



SANITARY SEWER SYSTEM MANAGEMENT PLAN



Prepared By

Veolia Water North America – Palm Springs

Prepared For

City of Palm Springs, Palm Springs, California

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- B. SSMP Implementation Plan and Schedule
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Introduction

The State Water Resources Control Board (Board) oversees the water quality in the waters of the State of California, including the Colorado River Basin (Board Region 7) where the City of Palm Springs (City) is located.

During May 2006, the Board ordered (Order No. 2006-0003) Statewide General Waste Discharge Requirements (WDR) For Sanitary Sewer Systems and found that:

1. All Federal and state agencies, municipalities, counties, districts, and other public entities that own or operate sanitary sewer systems greater than one mile in length that collect and/or convey untreated or partially treated wastewater to a publicly owned treatment facility in the State of California are required to comply with the terms of the WDR.
2. Sanitary sewer overflows (SSOs) are overflows from sanitary sewer systems of domestic wastewater, as well as industrial and commercial wastewater, depending on the pattern of land uses in the area served by the sanitary sewer system. SSOs often contain high levels of suspended solids, pathogenic organisms, toxic pollutants, nutrients, oxygen-demanding organic compounds, oil and grease and other pollutants. SSOs may cause a public nuisance, particularly when raw untreated wastewater is discharged to areas with high public exposure, such as streets or surface waters used for drinking, fishing, or body contact recreation. SSOs may pollute surface or ground waters, threaten public health, adversely affect aquatic life, and impair the recreational use and aesthetic enjoyment of surface waters.
3. Sanitary sewer systems experience periodic failures resulting in discharges that may affect waters of the state. There are many factors (including factors related to geology, design, construction methods and materials, age of the system, population growth, and system operation and maintenance), which affect the likelihood of an SSO. A proactive approach that requires a system-wide operation, maintenance, and management plan is in place will reduce the number and frequency of SSOs within the state. This approach will in turn decrease the risk to human health and the environment caused by SSOs.
4. Major causes of SSOs include: grease blockages, root blockages, sewer line flood damage, manhole structure failures, vandalism, pump station mechanical failures, power outages, excessive storm or ground water inflow/infiltration, debris blockages, sanitary sewer system age and construction material failures, lack of proper operation and maintenance, insufficient capacity and contractor-caused damages. Many SSOs are preventable with adequate and appropriate facilities, source control measures and operation and maintenance of the sanitary sewer system.

5. To facilitate proper funding and management of sanitary sewer systems, each system operator must develop and implement a system-specific Sewer System Management Plan (SSMP). To be effective, SSMPs must include provisions to provide proper and efficient management, operation, and maintenance of sanitary sewer systems, while taking into consideration risk management and cost benefit analysis. Additionally, an SSMP must contain a spill response plan that establishes standard procedures for immediate response to an SSO in a manner designed to minimize water quality impacts and potential nuisance conditions.

6. Information regarding SSOs must be provided to Regional Water Boards and other regulatory agencies in a timely manner and be made available to the public in a complete, concise, and timely fashion.

The City's Sanitary Sewer Collection System is composed of approximately 250 miles of clay, gravity flow, 6"-42" diameter collection lines, approximately 5,000 pre-cast concrete and brick manholes; and five sewer lift stations. Therefore, Board Order No. 2006-0003 applies directly to the City's sanitary sewer collection system.

The City's sanitary sewer and stormwater conveyance systems are separate. SSOs have occurred in the sanitary sewer collection system at various locations around the City. Trouble areas where there is increased potential for SSOs have been identified and they are inspected and cleaned on a regular schedule.

Veolia Water NA (Veolia) has been contracted by the City to manage the development and implementation of the SSMP and to oversee compliance with the Board's requirements.

1.0 Goals

Per WDR Section D. PROVISIONS, Item 13 (i), the goal of the SSMP is to provide a plan and schedule to properly manage, operate, and maintain all parts of the sanitary sewer system. This goal will help reduce and prevent SSOs, as well as mitigate any SSOs that do occur (Appendix A). The City has developed the following goals for the operation and maintenance of its sanitary sewer system.

- Minimize SSOs;
- Prevent public health hazards;
- Minimize inconveniences by responsibly handling interruptions in services;
- Protect the large investment in collection system assets by maintaining adequate capacities and extending useful life;
- Prevent unnecessary damage to public and private property;
- Use available funds in the most efficient manner;
- Convey wastewater with a minimum of infiltration, inflow and exfiltration;
- Ensure adequate capacity to convey peak flows; and
- Perform all operations in a safe manner to avoid personal injury and property damage.

1.1 Plan and Schedule

The City recognizes the importance of protecting the public health and the environment by preventing SSOs and has established a plan and schedule to implement a proactive approach that requires a system-wide operation, maintenance, and management plan that will reduce the number and frequency of SSOs within the City (Appendix B). This approach will supplement the City's existing sewer system management programs with the specific requirements of the WDR and consequently decrease the risk to public health and the environment caused by SSOs.

2.0 Organization

Per WDR Section D. PROVISIONS, Item 13 (ii), the SSMP must identify:

- The name of the responsible or authorized representative designated by the City as having signatory and certification authority for all applications, reports, or information required by the Order;
- The names and telephone numbers for management, administrative, and maintenance positions responsible for implementing specific measures in the SSMP program. The SSMP must identify lines of authority through an organization chart or similar document with a narrative explanation; and

- The chain of communication for reporting SSOs, from receipt of a complaint or other information, including the person responsible for reporting SSOs to the State and regional Water Board and other agencies if applicable (County Health Officer, County Environmental Health agency, Regional Water board, and/or state Office of Emergency Services (OES)).

2.1 Authorized Representative

Mr. David H. Ready, City Manager, serves as the Chief Executive Officer of the City. Mr. Ready appoints the City's department heads and is responsible for ensuring that City services are performed to the highest standard in accordance with City Council policies. Mr. Ready is responsible for the submission of the City's budget and implementation in support of the City Council's goals. Mr. Ready also has signatory and certification authority for all applications, reports, or information required by the Order.

2.2 City Council

Palm Springs has a City Council/City Manager form of government. The Palm Springs City Council is comprised of five members, including the Mayor, who are elected citywide. Currently serving on the City Council are Mayor Steve Pougnet, Mayor Pro tem Chris Mills, and council members Rick Hutcheson, Ginny Foat, and Paul Lewin. The City Council hires the City Manager who is responsible for all the management functions of the City. The City Council also directly hires the city attorney who serves as the City's primary legal adviser.

The offices of City Council members are located in City Hall, located at 3200 East Tahquitz Canyon Way. The main telephone number is (760) 323-8299.

2.3 City Management

The City Manager, Mr. David Ready, is responsible for overseeing the activities and operations of the Development Services Departments, including Building, Community Development, Downtown Development, Planning Services and Public Works and Engineering.

The office of Mr. Ready is also located in City Hall. The main telephone number is (760) 322-8362.

2.4 Public Works & Engineering

The Director of the Department of Public Works & Engineering, Mr. David J. Barakian, is responsible for Office Engineering, Field Engineering, Street Maintenance, Facilities Maintenance, Street Cleaning, Traffic Signal Maintenance and all Wastewater Pretreatment Plant (WWTP) activities (Collections, Maintenance, and Operations).

The office of Mr. Barakian is also located in City Hall. The main telephone number is (760) 323-8253.

2.5 Building & Safety

The Director of the Department of Building & Safety, Mr. Jim Zicaro, is responsible for Building and Safety (Inspection, Plan Review, Permit Center, Building Permit Records, and Code Compliance) and ADA Compliance.

The office of Mr. Zicaro is also located in City Hall. The main telephone number is (760) 323-8242 x8722.

2.6 Veolia Management

The Veolia Project Manager, Mr. Jack Martin is responsible for all WWTP Operations, Maintenance, Collections and SSMP activities.

The Veolia Maintenance Manager, Mr. Doug Loar is responsible for all WWTP Maintenance and Collections activities.

The Veolia Collections Manager, Mr. Ken Huntzinger is responsible for all Collections and SSMP activities.

The Veolia Collection System Crew, supervised by Mr. Ken Huntzinger, conducts preventive maintenance (e.g. CCTV inspections, cleaning, repairs and replacement) activities and responds to notifications of system stoppages and SSOs.

The Veolia FOG Inspector, Mr. Bernie Vaca is responsible for food service establishment (FSE) inspections and follow-up inspections.

The Veolia offices are located at 4375 Mesquite Ave. The main telephone number is (760) 323-8166.

2.7 Chain of Communication for Reporting SSOs

The Veolia Collections Manager is responsible for overseeing the SSO reporting process. The Collections Manager receives an incident report from the collection/response crew and drafts the required report. The draft is reviewed with the Project Manager with consideration given to SSO Category, volume calculations, vacuum and wash down operations, SSO causes, timeliness of response, etc. After discussions are complete, the report is finalized and transmitted to the appropriate authorities, including, but not limited to the City, state and regional Water Boards, Riverside County Environmental Health Services, Riverside County Flood Control District and the Office of Emergency Services (OES).

2.7.1 SSO Database Overview

This section describes the general workflow for the SSO database, which is utilized by the City (enrollee) that has applied for coverage under the Board's Order to comply with the SSO reporting requirements.

An enrollee must report two types of information into the SSO database: sanitary sewer system/agency characteristics – collection system questionnaire and spill details – SSO report. The City's collection system questionnaire was completed before any SSO reports were submitted. Additionally, the collection system questionnaire will be updated annually. All SSOs from an enrollee's sanitary sewer system must be reported to the SSO database. The notification and reporting deadlines for submittal of a SSO report depends on the classification of the spill, which is either Category 1 (greater threat), Category 2 or Category 3. For a Category 1 spill, the enrollee shall, as soon as possible, but not later than two (2) hours after (A) the enrollee has knowledge of the discharge, (B) notification is possible, and (C) notification can be provided without substantially impeding cleanup or other emergency measures, notify the Cal OES and obtain a notification control number. Submit draft report within three business days of becoming aware of the SSO and certify within 15 calendar days of SSO end date. For a Category 2 spill, Submit draft report within 3 business days of becoming aware of the SSO and certify within 15 calendar days of the SSO end date. For a Category 3 spill, Submit certified report within 30 calendar days of the end of month in which SSO the occurred.

The process of entering information into the SSO database begins with the enrollee specifying the pertinent sanitary sewer system.

The collection system questionnaire is an online form which contains questions regarding the relevant characteristics of an enrollee's sanitary sewer system and agency. After initial login, the first major task an enrollee needs to perform is completing the collection system questionnaire. A new collection system questionnaire is accessed through the "Collection System Questionnaire" link on the SSO menu. The collection system questionnaire must be updated at least every 12 months, and this is done through the "Collection System Questionnaire" link on the SSO menu.

3.0 Legal Authority

Per WDR Section D. PROVISIONS, Item 13 (iii), the City must demonstrate, through sanitary sewer system use ordinances, service agreements, or other legally binding procedures, that it possesses the necessary legal authority to:

- Prevent illicit discharges into its sanitary sewer system;
- Require that sewers and connections be properly designed and constructed;
- Ensure access for maintenance, inspection, or repairs for portions of the lateral owned or maintained by the City;
- Limit the discharge of fats, oils, and grease (FOG) and other debris that may cause blockages; and
- Enforce any violation of its sewer ordinances.

3.1 Palm Springs Municipal Code, Title 15, Water and Sewers

A purpose of this title is to establish regulations and procedures pertaining to the proper use and control of public sewers and the quality of industrial wastes and sewage discharged to the public sewers in the City. Proper collection and treatment of sewage is of vital concern to the health and welfare of residents and visitors to the City. Control of sewage and industrial waste discharged to public sewers is imperative so that the wastewater treatment facility can produce a product that will minimize adverse effects on groundwater supplies and meet the requirements of water quality control and public health agencies.

This title shall be administered in conjunction with the City's plumbing and building codes, any standard specifications for public works prescribed for use in the City, and any standard plans for public works construction prescribed for use in the City. In the event of conflict between the provisions of any of the foregoing and the provisions of this title, the provisions of this title shall prevail (Appendix C).

3.2 Ordinance No. 1682 and Palm Springs Municipal Code, Title 15, Chapter 15.28, Sewer Use Regulations

During March 2006, the Palm Springs City Council adopted Ordinance No. 1682 amending Chapter 15.28 of the Palm Springs Municipal Code relating to sewer use regulations, including the adoption of FOG control regulations applicable to FSEs (Appendix D).

The purpose of this chapter is to facilitate the maximum beneficial public use of the sewer, services and facilities in the City while preventing blockages of the sewer lines

resulting from prohibited or objectionable waste discharges into the sewer facilities, and to specify appropriate FOG discharge requirements for FSEs. In furtherance of these general purposes, this chapter is intended to:

- Establish the appropriate authority for the City to condition or deny discharges to the sewer system;
- Prevent the introduction of excessive amounts of grease into the sewer system;
- Prevent the clogging or blocking of the sewer lines due to grease build up causing backup and flooding of streets, residences, and commercial buildings;
- Implement procedures to recover the costs incurred in cleaning and maintenance of sewer lines and the proper disposal of grease blockages;
- Implement a procedure to recover the costs for any liability incurred by the city for damage caused by grease blockages resulting from flooding of streets, residences, or commercial buildings; and
- Establish the authority for the city to monitor, sample and inspect grease traps and interceptors.

This chapter shall be interpreted in accordance with the definitions set forth in Section 15.28.006. The provisions of this chapter shall apply to the direct or indirect discharge of all prohibited and objectionable wastewater or waste, including wastewater and waster containing FOG, carried to the sewer facilities of the City.

This chapter establishes quantity and quality standards on all wastewater and/or waste discharges which may cause or contribute to accumulation in the sewer system causing or potentially causing or contributing to the occurrence of SSOs.

4.0 Operation and Maintenance Program

Per WDR Section D. PROVISIONS, Item 13 (iv), the SSMP must include the elements listed below:

- Maintain an up-to-date map of the sanitary sewer system, showing all gravity line segments and manholes, pumping facilities, pressure pipes and valves, and applicable stormwater conveyance facilities;
- Description of routine preventive operation and maintenance activities, including a system for scheduling regular maintenance and cleaning of the sanitary sewer system with more frequent cleaning and maintenance targeted at known problem areas. The Preventive Maintenance (PM) program should have a system to document scheduled and conducted activities, such as work orders; and

- A rehabilitation and replacement plan to identify and prioritize system deficiencies and implement short-term and long-term rehabilitation actions to address each deficiency.

To reduce the possibility of SSOs, the City has implemented several primary activities. The City conducts routine maintenance of sewer lines and manholes. Routine maintenance consists of closed-circuit television (CCTV) inspections of the pipes and manholes, and hydro-jet cleaning (pressure washing), vacuuming, or root-sawing of the collection lines to remove grit, debris, FOG and roots. The City also ensures prompt repair of broken or damaged sewer line segments.

The city utilizes Infonet, a fully integrated Decision Support System that incorporates all of the tools and processes that are required to run a proactive management system in a single easy to use package. All information about the collection system is brought together within Infonet. This includes:

- Physical asset characteristics;
- Geography and mapping;
- Hydraulic characteristics;
- Routine maintenance data;
- Inspection information; and
- Accompanying imagery.

Infonet is built on a multi-user architecture, allowing users to log in from remote locations (i.e. inspection and cleaning vehicles) so that information is shared and everyone is on the same page. Infonet is used by the collection system operators to plan, schedule, monitor and report all collection system inspection and cleaning activities for its CCTV inspection vehicle and its two cleaning vehicles.

5.0 Design and Performance Provisions

Per WDR Section D. PROVISIONS, Item 13 (v), the SSMP must include the elements listed below:

- Design and construction standards and specifications for the installation of new sanitary sewer systems, pump stations and other appurtenances; and for the rehabilitation and repair of existing sanitary sewer systems; and
- Procedures and standards for inspecting and testing the installation of new sewers, pumps, and other appurtenances and for rehabilitation and repair projects.

The City has adopted the “GREENBOOK” Standard Specifications for Public Works Construction, 2006 Edition.

Improvement plans shall be on 24" x 36" standard plan sheets. Drawings to become the

property of the City and shall have the standard City title block located in the bottom right-hand corner. Layout sheets shall be on plan and 3-line profiles. As-built drawing to be provided. Approval signature shall be the City Engineer.

SANITARY SEWERS

1. Design criteria (vitrified clay pipe)
 - a. Coefficient of friction “n” = 0.013
 - b. Minimum velocity = 2 feet per second
 - c. Maximum velocity = 10 feet per second
 - d. Flow factors

| <u>Land Use</u> | <u>Peak Design Flow Factor</u> |
|------------------|--------------------------------|
| single family | 0.0065 cfs/acre |
| multi family | 0.0115 cfs/acre |
| commercial | 0.0065 cfs/acre |
| light industrial | 0.0080 cfs/acre |
| heavy industrial | 0.0100 cfs/acre |
| other | determined individually |

Design shall include the full peak flow for the contributory area

2. Slopes of collector lines

| Size | Slope (min) |
|------|-------------|
| 8" | 0.44% |
| 10" | 0.33% |
| 12" | 0.26% |
| 15" | 0.19% |
| 18" | 0.12% |
| 21" | 0.10% |
| 24" | 0.08% |
| 27" | 0.068% |

3. Laterals

- a. Laterals serving single family residence – 6”
- b. Laterals serving multi family residents – 6”
- c. Minimum cover at property line – 3-1/2’
- d. Cleanout required at property line

4. Minimum size main

- a. Residential areas – 8”

- b. Commercial and industrial areas - 8"
- 5. Easements – minimum 10 feet wide
- 6. Normal location in street
- 7. Manhole spacing – 300 feet apart maximum
- 8. Minimum cover over main – 5 feet
- 9. Manholes to be eccentric
- 10. Minimum clearance of 1' shall be maintained between the sewer and crossing pipes
- 11. Allow 0.2 foot drop around a 90° bend in manhole
- 12. Provide stubs for future extensions
- 13. Change direction or size only at a manhole
 - 13a. Minimum radius 300' with approval by City Engineer
- 14. Flushing inlets are required on all deadend lines – whether in a cul-de-sac or at a deadend street except where terminated at a manhole. Flushing inlets shall be located not more than 150' from a manhole. Lines shall be constructed through the development to upstream properties shall include capacity for the upstream area.
- 15. Drop manholes shall be required where sewer lines do not channelize through the bottom of manhole.

Standards for Inspection & Testing of New, Rehabilitated, and Repaired Facilities

The City has adopted the Green Book as our standard specifications for public works construction, 2006 Edition. As such, all new, rehabilitated and repaired sewer assets requires inspection involving pressure testing, mandrelling, water exfiltration and/or post construction closed circuit television inspection overseen by a City construction inspector prior to accept work.

The City owns and operates five lift stations and does not anticipate any additional pump stations to be built because the City is essentially built out. Therefore, pump station plans and specifications are not included in the standards. Design standards and construction specifications for pump stations will be developed as needed on a project-specific basis should any new pump stations or pump station rehabilitation projects be implemented.

All public sewer mains within the City are designed and constructed by the City or under contract to the City.

6.0 Overflow Emergency Response Plan

Per WDR Section D. PROVISIONS, Item 13 (vi), the SSMP must include the elements listed below:

- Proper notification procedures so that the primary responders and regulatory agencies are informed of all SSOs in a timely manner;
- A program to ensure an appropriate response to all overflows;
- Procedures to ensure prompt notification to appropriate regulatory agencies and other potentially affected entities (e.g. health agencies, Regional Water Boards, water suppliers, etc.) of all SSOs that potentially affect public health or reach the waters of the State in accordance with the MRP. All SSOs shall be reported in accordance with this MRP, the California Water Code, other State Law, and other applicable Regional Water Board WDRs or NPDES permit requirements. The SSMP should identify the officials who will receive immediate notification;
- Procedures to ensure that appropriate staff and contractor personnel are aware of and follow the Emergency Response Plan and are appropriately trained;
- Procedures to address emergency operations, such as traffic and crowd control and other necessary response activities; and
- A program to ensure that all reasonable steps are taken to contain and prevent the discharge of untreated and partially treated wastewater to waters of the United States and to minimize or correct any adverse impact on the environment resulting from the SSOs, including such accelerated or additional monitoring as may be necessary to determine the nature and impact of the discharge.

The City has developed a Plan (Appendix E) that includes the following:

- Proper notification procedures;
- A program to ensure an appropriate response to all SSOs;
- Procedures to ensure prompt notification to appropriate regulatory agencies and other potentially affected entities;
- Procedures to ensure that appropriate staff and contractor personnel are aware of and follow the Plan and are appropriately trained;
- Procedures to address emergency operations; and
- A program to ensure that all reasonable steps are taken to contain and prevent the discharge of untreated and partially treated wastewater to waters of the United States.

7.0 Fats, Oil and Grease Control Program

Per WDR Section D. PROVISIONS, Item 13 (vii), the SSMP must include the elements listed below:

- An implementation plan and schedule for a public education outreach program that promotes proper disposal of FOG;
- A plan and schedule for the disposal of FOG generated within the sanitary sewer system service area. This may include a list of acceptable disposal facilities and/or additional facilities needed to adequately dispose of FOG generated within a sanitary sewer system service area;
- The legal authority to prohibit discharges to the system and identify measures to prevent SSOs and blockages caused by FOG;
- Requirements to install grease removal devices (such as traps or interceptors), design standards for the removal devices, maintenance requirements, BMP requirements, record keeping and reporting requirements;
- Authority to inspect grease producing facilities, enforcement authorities, and whether the Enrollee has sufficient staff to inspect and enforce the FOG ordinance;
- An identification of sanitary sewer system sections subject to FOG blockages and establishment of a cleaning maintenance schedule for each section; and
- Development and implementation of source control measures for all sources of FOG discharged to the sanitary sewer system for each section identified in (f) above.

The City has developed a Plan (Appendix F) that includes, but is not limited to, the following:

- Characterizing FOG Sources;
- Waste Discharge Requirements;
- Regulatory Requirements;
- Legal Framework; and
- Program Approach.

8.0 System Evaluation and Capacity Assurance Plan

Per WDR Section D. PROVISIONS, Item 13 (viii), the SSMP must include the elements listed below:

- **Evaluation:** Actions needed to evaluate those portions of the sanitary sewer system that are experiencing or contributing to an SSO discharge caused by hydraulic deficiency. The evaluation must provide estimates of peak flows (including flows from SSOs that escape from the system) associated with conditions similar to those causing overflow events, estimates of the capacity of key system components, hydraulic deficiencies (including components of the system with limiting capacity) and the major sources that contribute to the peak flows associated with overflow events;
- **Design Criteria:** Where design criteria do not exist or are deficient, undertake the evaluation identified in (a) above to establish appropriate design criteria; and
- **Capacity Enhancement Measures:** The steps needed to establish a short- and long-term CIP to address identified hydraulic deficiencies, including prioritization, alternatives analysis, and schedules. The CIP may include increases in pipe size, I/I reduction programs, increases and redundancy in pumping capacity, and storage facilities. The CIP shall include an implementation schedule and shall identify sources of funding.
- **Schedule:** The Enrollee shall develop a schedule of completion dates for all portions of the capital improvement program developed in (a)-(c) above. This schedule shall be reviewed and updated consistent with the SSMP review and update requirements as described in Section D. 14.

For purposes of system evaluation and capacity assurance planning, the City has prepared and implemented a Sanitary Sewer Master Plan (MP) that provides hydraulic capacity of key sewer system segments for peak flow conditions (Appendix G).

The MP was completed during November 2008 and the following benefits are realized by preparing this comprehensive, long term MP:

- Defines both current and long term needs of the City Sanitary Sewer System;
- Provides general description of the collection system as well as documents flow routing for use in the operation and planning of new pipelines, thus reducing the time needed to train new employees;
- Provides guidelines for scheduling work loads, staffing plans and justifications for City staffing;
- Provides information for making sound decisions on collection system operations, financing, staffing, and building permitting;
- Provides the basis for financial planning so that resources are available when needed.
- Reduces the cost of planning, design, and construction; and
- Allows proactive management of the wastewater collection facilities rather than reactive management.

The findings of this MP are based on the hydraulic and observed conditions of the City's existing collection system. As development increases within the City, several pipelines will need to be replaced, relieved, rehabilitated, or modified to provide sufficient capacity in the system for the increased flows.

9.0 Monitoring, Measurement, and Program Modifications

Per WDR Section D. PROVISIONS, Item 13 (ix), the SSMP must include the elements listed below:

- Maintain relevant information that can be used to establish and prioritize appropriate SSMP activities;
- Monitor the implementation and, where appropriate, measure the effectiveness of each element of the SSMP;
- Assess the success of the preventative maintenance program;
- Update program elements, as appropriate, based on monitoring or performance evaluations; and
- Identify and illustrate SSO trends, including: frequency, location, and volume.

The City already tracks several performance measures through tracking logs and annual reports, including but not limited to number, cause and location of stoppages; number, cause, location, and volume of SSOs; stoppage response time; number and reason for customer complaints; length of pipe cleaned and type of debris found. The City plans to continue tracking all performance measures that are currently tracked.

In order to monitor the effectiveness of the SSMP, however, the City has selected certain, specific parameters that can be documented and compared on an annual basis in a simple format. These parameters were selected because they are straightforward, quantitative, and focused on results. Although the parameters may not track everything associated with SSMP implementation, changes in these parameters over time will indicate the overall success of the SSMP or, conversely, underlying problems that can then be investigated further.

The table indicated below lists each SSMP element, the overall purpose of the SSMP element, and the specific parameters that the City plans to track that will help in evaluating the effectiveness of the SSMP.

| SSMP Element | Summary of Element Purpose | Parameters for Tracking Effectiveness (Annual) |
|------------------------------|---|--|
| Goals | Establish priorities of City and provide focus for City staff . | None needed |
| Organization | Document organization of City staff and chain of communication for SSO response. | None needed |
| Overflow Emergency Response | Provide timely and effective response to SSO emergencies and comply with regulatory reporting requirements. | Average and maximum response time Percent of total overflow volume contained or returned to sewer |
| Fats, Oils, & Grease Control | Minimize blockages and overflows due to FOG. | Number of blockages due to FOG Number of overflows due to FOG Number of FOG producing facilities inspected |
| Legal Authority | Ensure the City has sufficient legal authority to properly maintain the system. | None needed |

| | | |
|--|---|--|
| Measures and Activities | Minimize blockages and SSOs by properly maintaining the system and keeping the system in good condition. | Total number and volume of SSOs Number of repeat SSOs (same location as any previous SSO, regardless of year of occurrence) Total number of mainline blockages Number of pump station failures Number of pipe failures Length of pipe CCTV'd 3-yr backlog for rehabilitation and repair projects |
| Design & Construction Standards | Ensure new facilities are properly designed and constructed. | None needed |
| Capacity Management | Minimize SSOs due to insufficient capacity by evaluating system capacity and implementing necessary projects. | Number of SSOs due to capacity limitations or wet weather Date of completion of most recent capacity evaluation 3-year backlog for capacity improvement projects |
| Monitoring, Measurement, & Program Modifications | Evaluate effectiveness of SSMP, keep SSMP up-to-date, and identify necessary changes | None needed |
| Program Audits | Formally identify SSMP effectiveness, limitations, and necessary changes on an annual basis. | Date of completion of last annual audit |
| Communication Plan | Communicate with the public and satellite agencies. | None needed |

10.0 Program Audits

Per WDR Section D. PROVISIONS, Item 13 (x), the SSMP must include the elements listed below:

- Conduct periodic internal audits, appropriate to the size of the system and the number of SSOs. At a minimum, these audits must occur every two years and a report must be prepared and kept on file. This audit shall focus on evaluating the effectiveness of the SSMP and the City’s compliance with the SSMP requirements.

The City will ensure an internal audit evaluating its SSMP and its compliance with the WDR every two years and will report the results of the audits along with recommendations and suggested improvements to the City Council.

11.0 Communication Program

Per WDR Section D. PROVISIONS, Item 13 (xi), the SSMP must include the elements listed below:

- Communicate on a regular basis with the public on the development, implementation, and performance of its SSMP. The communication system shall provide the public the opportunity to provide input to the Enrollee as the program is developed and implemented. The Enrollee shall also create a plan of communication with systems that are tributary and/or satellite to the Enrollee’s sanitary sewer system.

The City Manager will provide interested parties with status updates on the implementation of the components of the SSMP and will also consider comments made by interested parties.

12.0 City Council Approval

Per WDR Section D. PROVISIONS, Item 14, both the SSMP and the City’s program to implement the SSMP must be certified by the City to be in compliance with the requirements set forth in the Order and must be presented to the City council for approval at a public meeting. The city council met on.....

13.0 SSMP Certification

Also per WDR Section D. PROVISIONS, Item 14, the City shall certify that the SSMP, and subparts thereof, are in compliance with the general WDRs within the time frames identified in the Order's Sewer System Management Plan Time Schedule.

In order to complete this certification, the City's authorized representative must complete the certification portion in the online SSO database questionnaire by checking the appropriate milestone box, printing and signing the authorized form, and sending the form to:

State Water Resources Control Board
Division of Water Quality
Attn: SSO Program Manager
P.O. Box 100
Sacramento, CA 95812

The SSMP must be updated every five (5) years, and must include any significant program changes.

Appendix A – State Water Resources Control Board Order No. 2006-0003, State Water Board Order No. 2008-0002-EXEC, Statewide General Waste Discharge Requirements for Sanitary Sewer Systems, State of California Water Resources Control Board Order No. WQ 2013-0058-EXEC

**STATE WATER RESOURCES CONTROL BOARD
ORDER NO. 2006-0003-DWQ**

**STATEWIDE GENERAL WASTE DISCHARGE REQUIREMENTS
FOR
SANITARY SEWER SYSTEMS**

The State Water Resources Control Board, hereinafter referred to as "State Water Board", finds that:

1. All federal and state agencies, municipalities, counties, districts, and other public entities that own or operate sanitary sewer systems greater than one mile in length that collect and/or convey untreated or partially treated wastewater to a publicly owned treatment facility in the State of California are required to comply with the terms of this Order. Such entities are hereinafter referred to as "Enrollees".
2. Sanitary sewer overflows (SSOs) are overflows from sanitary sewer systems of domestic wastewater, as well as industrial and commercial wastewater, depending on the pattern of land uses in the area served by the sanitary sewer system. SSOs often contain high levels of suspended solids, pathogenic organisms, toxic pollutants, nutrients, oxygen-demanding organic compounds, oil and grease and other pollutants. SSOs may cause a public nuisance, particularly when raw untreated wastewater is discharged to areas with high public exposure, such as streets or surface waters used for drinking, fishing, or body contact recreation. SSOs may pollute surface or ground waters, threaten public health, adversely affect aquatic life, and impair the recreational use and aesthetic enjoyment of surface waters.
3. Sanitary sewer systems experience periodic failures resulting in discharges that may affect waters of the state. There are many factors (including factors related to geology, design, construction methods and materials, age of the system, population growth, and system operation and maintenance), which affect the likelihood of an SSO. A proactive approach that requires Enrollees to ensure a system-wide operation, maintenance, and management plan is in place will reduce the number and frequency of SSOs within the state. This approach will in turn decrease the risk to human health and the environment caused by SSOs.
4. Major causes of SSOs include: grease blockages, root blockages, sewer line flood damage, manhole structure failures, vandalism, pump station mechanical failures, power outages, excessive storm or ground water inflow/infiltration, debris blockages, sanitary sewer system age and construction material failures, lack of proper operation and maintenance, insufficient capacity and contractor-caused damages. Many SSOs are preventable with adequate and appropriate facilities, source control measures and operation and maintenance of the sanitary sewer system.

SEWER SYSTEM MANAGEMENT PLANS

5. To facilitate proper funding and management of sanitary sewer systems, each Enrollee must develop and implement a system-specific Sewer System Management Plan (SSMP). To be effective, SSMPs must include provisions to provide proper and efficient management, operation, and maintenance of sanitary sewer systems, while taking into consideration risk management and cost benefit analysis. Additionally, an SSMP must contain a spill response plan that establishes standard procedures for immediate response to an SSO in a manner designed to minimize water quality impacts and potential nuisance conditions.
6. Many local public agencies in California have already developed SSMPs and implemented measures to reduce SSOs. These entities can build upon their existing efforts to establish a comprehensive SSMP consistent with this Order. Others, however, still require technical assistance and, in some cases, funding to improve sanitary sewer system operation and maintenance in order to reduce SSOs.
7. SSMP certification by technically qualified and experienced persons can provide a useful and cost-effective means for ensuring that SSMPs are developed and implemented appropriately.
8. It is the State Water Board's intent to gather additional information on the causes and sources of SSOs to augment existing information and to determine the full extent of SSOs and consequent public health and/or environmental impacts occurring in the State.
9. Both uniform SSO reporting and a centralized statewide electronic database are needed to collect information to allow the State Water Board and Regional Water Quality Control Boards (Regional Water Boards) to effectively analyze the extent of SSOs statewide and their potential impacts on beneficial uses and public health. The monitoring and reporting program required by this Order and the attached Monitoring and Reporting Program No. 2006-0003-DWQ, are necessary to assure compliance with these waste discharge requirements (WDRs).
10. Information regarding SSOs must be provided to Regional Water Boards and other regulatory agencies in a timely manner and be made available to the public in a complete, concise, and timely fashion.
11. Some Regional Water Boards have issued WDRs or WDRs that serve as National Pollution Discharge Elimination System (NPDES) permits to sanitary sewer system owners/operators within their jurisdictions. This Order establishes minimum requirements to prevent SSOs. Although it is the State Water Board's intent that this Order be the primary regulatory mechanism for sanitary sewer systems statewide, Regional Water Boards may issue more stringent or more

prescriptive WDRs for sanitary sewer systems. Upon issuance or reissuance of a Regional Water Board's WDRs for a system subject to this Order, the Regional Water Board shall coordinate its requirements with stated requirements within this Order, to identify requirements that are more stringent, to remove requirements that are less stringent than this Order, and to provide consistency in reporting.

REGULATORY CONSIDERATIONS

12. California Water Code section 13263 provides that the State Water Board may prescribe general WDRs for a category of discharges if the State Water Board finds or determines that:

- The discharges are produced by the same or similar operations;
- The discharges involve the same or similar types of waste;
- The discharges require the same or similar treatment standards; and
- The discharges are more appropriately regulated under general discharge requirements than individual discharge requirements.

This Order establishes requirements for a class of operations, facilities, and discharges that are similar throughout the state.

13. The issuance of general WDRs to the Enrollees will:

- a) Reduce the administrative burden of issuing individual WDRs to each Enrollee;
- b) Provide for a unified statewide approach for the reporting and database tracking of SSOs;
- c) Establish consistent and uniform requirements for SSMP development and implementation;
- d) Provide statewide consistency in reporting; and
- e) Facilitate consistent enforcement for violations.

14. The beneficial uses of surface waters that can be impaired by SSOs include, but are not limited to, aquatic life, drinking water supply, body contact and non-contact recreation, and aesthetics. The beneficial uses of ground water that can be impaired include, but are not limited to, drinking water and agricultural supply. Surface and ground waters throughout the state support these uses to varying degrees.

15. The implementation of requirements set forth in this Order will ensure the reasonable protection of past, present, and probable future beneficial uses of water and the prevention of nuisance. The requirements implement the water quality control plans (Basin Plans) for each region and take into account the environmental characteristics of hydrographic units within the state. Additionally, the State Water Board has considered water quality conditions that could reasonably be achieved through the coordinated control of all factors that affect

water quality in the area, costs associated with compliance with these requirements, the need for developing housing within California, and the need to develop and use recycled water.

16. The Federal Clean Water Act largely prohibits any discharge of pollutants from a point source to waters of the United States except as authorized under an NPDES permit. In general, any point source discharge of sewage effluent to waters of the United States must comply with technology-based, secondary treatment standards, at a minimum, and any more stringent requirements necessary to meet applicable water quality standards and other requirements. Hence, the unpermitted discharge of wastewater from a sanitary sewer system to waters of the United States is illegal under the Clean Water Act. In addition, many Basin Plans adopted by the Regional Water Boards contain discharge prohibitions that apply to the discharge of untreated or partially treated wastewater. Finally, the California Water Code generally prohibits the discharge of waste to land prior to the filing of any required report of waste discharge and the subsequent issuance of either WDRs or a waiver of WDRs.
17. California Water Code section 13263 requires a water board to, after any necessary hearing, prescribe requirements as to the nature of any proposed discharge, existing discharge, or material change in an existing discharge. The requirements shall, among other things, take into consideration the need to prevent nuisance.
18. California Water Code section 13050, subdivision (m), defines nuisance as anything which meets all of the following requirements:
 - a. Is injurious to health, or is indecent or offensive to the senses, or an obstruction to the free use of property, so as to interfere with the comfortable enjoyment of life or property.
 - b. Affects at the same time an entire community or neighborhood, or any considerable number of persons, although the extent of the annoyance or damage inflicted upon individuals may be unequal.
 - c. Occurs during, or as a result of, the treatment or disposal of wastes.
19. This Order is consistent with State Water Board Resolution No. 68-16 (Statement of Policy with Respect to Maintaining High Quality of Waters in California) in that the Order imposes conditions to prevent impacts to water quality, does not allow the degradation of water quality, will not unreasonably affect beneficial uses of water, and will not result in water quality less than prescribed in State Water Board or Regional Water Board plans and policies.
20. The action to adopt this General Order is exempt from the California Environmental Quality Act (Public Resources Code §21000 et seq.) because it is an action taken by a regulatory agency to assure the protection of the environment and the regulatory process involves procedures for protection of the environment. (Cal. Code Regs., tit. 14, §15308). In addition, the action to adopt

this Order is exempt from CEQA pursuant to Cal.Code Regs., title 14, §15301 to the extent that it applies to existing sanitary sewer collection systems that constitute “existing facilities” as that term is used in Section 15301, and §15302, to the extent that it results in the repair or replacement of existing systems involving negligible or no expansion of capacity.

21. The Fact Sheet, which is incorporated by reference in the Order, contains supplemental information that was also considered in establishing these requirements.
22. The State Water Board has notified all affected public agencies and all known interested persons of the intent to prescribe general WDRs that require Enrollees to develop SSMPs and to report all SSOs.
23. The State Water Board conducted a public hearing on February 8, 2006, to receive oral and written comments on the draft order. The State Water Board received and considered, at its May 2, 2006, meeting, additional public comments on substantial changes made to the proposed general WDRs following the February 8, 2006, public hearing. The State Water Board has considered all comments pertaining to the proposed general WDRs.

IT IS HEREBY ORDERED, that pursuant to California Water Code section 13263, the Enrollees, their agents, successors, and assigns, in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted hereunder, shall comply with the following:

A. DEFINITIONS

1. **Sanitary sewer overflow (SSO)** - Any overflow, spill, release, discharge or diversion of untreated or partially treated wastewater from a sanitary sewer system. SSOs include:
 - (i) Overflows or releases of untreated or partially treated wastewater that reach waters of the United States;
 - (ii) Overflows or releases of untreated or partially treated wastewater that do not reach waters of the United States; and
 - (iii) Wastewater backups into buildings and on private property that are caused by blockages or flow conditions within the publicly owned portion of a sanitary sewer system.
2. **Sanitary sewer system** – Any system of pipes, pump stations, sewer lines, or other conveyances, upstream of a wastewater treatment plant headworks used to collect and convey wastewater to the publicly owned treatment facility. Temporary storage and conveyance facilities (such as vaults, temporary piping, construction trenches, wet wells, impoundments, tanks, etc.) are considered to be part of the sanitary sewer system, and discharges into these temporary storage facilities are not considered to be SSOs.

For purposes of this Order, sanitary sewer systems include only those systems owned by public agencies that are comprised of more than one mile of pipes or sewer lines.

3. **Enrollee** - A federal or state agency, municipality, county, district, and other public entity that owns or operates a sanitary sewer system, as defined in the general WDRs, and that has submitted a complete and approved application for coverage under this Order.
4. **SSO Reporting System** – Online spill reporting system that is hosted, controlled, and maintained by the State Water Board. The web address for this site is <http://ciwqs.waterboards.ca.gov>. This online database is maintained on a secure site and is controlled by unique usernames and passwords.
5. **Untreated or partially treated wastewater** – Any volume of waste discharged from the sanitary sewer system upstream of a wastewater treatment plant headworks.
6. **Satellite collection system** – The portion, if any, of a sanitary sewer system owned or operated by a different public agency than the agency that owns and operates the wastewater treatment facility to which the sanitary sewer system is tributary.
7. **Nuisance** - California Water Code section 13050, subdivision (m), defines nuisance as anything which meets all of the following requirements:
 - a. Is injurious to health, or is indecent or offensive to the senses, or an obstruction to the free use of property, so as to interfere with the comfortable enjoyment of life or property.
 - b. Affects at the same time an entire community or neighborhood, or any considerable number of persons, although the extent of the annoyance or damage inflicted upon individuals may be unequal.
 - c. Occurs during, or as a result of, the treatment or disposal of wastes.

B. APPLICATION REQUIREMENTS

1. **Deadlines for Application** – All public agencies that currently own or operate sanitary sewer systems within the State of California must apply for coverage under the general WDRs within six (6) months of the date of adoption of the general WDRs. Additionally, public agencies that acquire or assume responsibility for operating sanitary sewer systems after the date of adoption of this Order must apply for coverage under the general WDRs at least three (3) months prior to operation of those facilities.
2. **Applications under the general WDRs** – In order to apply for coverage pursuant to the general WDRs, a legally authorized representative for each agency must submit a complete application package. Within sixty (60) days of adoption of the general WDRs, State Water Board staff will send specific instructions on how to

apply for coverage under the general WDRs to all known public agencies that own sanitary sewer systems. Agencies that do not receive notice may obtain applications and instructions online on the Water Board's website.

3. Coverage under the general WDRs – Permit coverage will be in effect once a complete application package has been submitted and approved by the State Water Board's Division of Water Quality.

C. PROHIBITIONS

1. Any SSO that results in a discharge of untreated or partially treated wastewater to waters of the United States is prohibited.
2. Any SSO that results in a discharge of untreated or partially treated wastewater that creates a nuisance as defined in California Water Code Section 13050(m) is prohibited.

D. PROVISIONS

1. The Enrollee must comply with all conditions of this Order. Any noncompliance with this Order constitutes a violation of the California Water Code and is grounds for enforcement action.
2. It is the intent of the State Water Board that sanitary sewer systems be regulated in a manner consistent with the general WDRs. Nothing in the general WDRs shall be:
 - (i) Interpreted or applied in a manner inconsistent with the Federal Clean Water Act, or supersede a more specific or more stringent state or federal requirement in an existing permit, regulation, or administrative/judicial order or Consent Decree;
 - (ii) Interpreted or applied to authorize an SSO that is illegal under either the Clean Water Act, an applicable Basin Plan prohibition or water quality standard, or the California Water Code;
 - (iii) Interpreted or applied to prohibit a Regional Water Board from issuing an individual NPDES permit or WDR, superseding this general WDR, for a sanitary sewer system, authorized under the Clean Water Act or California Water Code; or
 - (iv) Interpreted or applied to supersede any more specific or more stringent WDRs or enforcement order issued by a Regional Water Board.
3. The Enrollee shall take all feasible steps to eliminate SSOs. In the event that an SSO does occur, the Enrollee shall take all feasible steps to contain and mitigate the impacts of an SSO.
4. In the event of an SSO, the Enrollee shall take all feasible steps to prevent untreated or partially treated wastewater from discharging from storm drains into

flood control channels or waters of the United States by blocking the storm drainage system and by removing the wastewater from the storm drains.

5. All SSOs must be reported in accordance with Section G of the general WDRs.
6. In any enforcement action, the State and/or Regional Water Boards will consider the appropriate factors under the duly adopted State Water Board Enforcement Policy. And, consistent with the Enforcement Policy, the State and/or Regional Water Boards must consider the Enrollee's efforts to contain, control, and mitigate SSOs when considering the California Water Code Section 13327 factors. In assessing these factors, the State and/or Regional Water Boards will also consider whether:
 - (i) The Enrollee has complied with the requirements of this Order, including requirements for reporting and developing and implementing a SSMP;
 - (ii) The Enrollee can identify the cause or likely cause of the discharge event;
 - (iii) There were no feasible alternatives to the discharge, such as temporary storage or retention of untreated wastewater, reduction of inflow and infiltration, use of adequate backup equipment, collecting and hauling of untreated wastewater to a treatment facility, or an increase in the capacity of the system as necessary to contain the design storm event identified in the SSMP. It is inappropriate to consider the lack of feasible alternatives, if the Enrollee does not implement a periodic or continuing process to identify and correct problems.
 - (iv) The discharge was exceptional, unintentional, temporary, and caused by factors beyond the reasonable control of the Enrollee;
 - (v) The discharge could have been prevented by the exercise of reasonable control described in a certified SSMP for:
 - Proper management, operation and maintenance;
 - Adequate treatment facilities, sanitary sewer system facilities, and/or components with an appropriate design capacity, to reasonably prevent SSOs (e.g., adequately enlarging treatment or collection facilities to accommodate growth, infiltration and inflow (I/I), etc.);
 - Preventive maintenance (including cleaning and fats, oils, and grease (FOG) control);
 - Installation of adequate backup equipment; and
 - Inflow and infiltration prevention and control to the extent practicable.
 - (vi) The sanitary sewer system design capacity is appropriate to reasonably prevent SSOs.

- (vii) The Enrollee took all reasonable steps to stop and mitigate the impact of the discharge as soon as possible.
7. When a sanitary sewer overflow occurs, the Enrollee shall take all feasible steps and necessary remedial actions to 1) control or limit the volume of untreated or partially treated wastewater discharged, 2) terminate the discharge, and 3) recover as much of the wastewater discharged as possible for proper disposal, including any wash down water.

The Enrollee shall implement all remedial actions to the extent they may be applicable to the discharge and not inconsistent with an emergency response plan, including the following:

- (i) Interception and rerouting of untreated or partially treated wastewater flows around the wastewater line failure;
 - (ii) Vacuum truck recovery of sanitary sewer overflows and wash down water;
 - (iii) Cleanup of debris at the overflow site;
 - (iv) System modifications to prevent another SSO at the same location;
 - (v) Adequate sampling to determine the nature and impact of the release; and
 - (vi) Adequate public notification to protect the public from exposure to the SSO.
8. The Enrollee shall properly, manage, operate, and maintain all parts of the sanitary sewer system owned or operated by the Enrollee, and shall ensure that the system operators (including employees, contractors, or other agents) are adequately trained and possess adequate knowledge, skills, and abilities.
9. The Enrollee shall allocate adequate resources for the operation, maintenance, and repair of its sanitary sewer system, by establishing a proper rate structure, accounting mechanisms, and auditing procedures to ensure an adequate measure of revenues and expenditures. These procedures must be in compliance with applicable laws and regulations and comply with generally acceptable accounting practices.
10. The Enrollee shall provide adequate capacity to convey base flows and peak flows, including flows related to wet weather events. Capacity shall meet or exceed the design criteria as defined in the Enrollee's System Evaluation and Capacity Assurance Plan for all parts of the sanitary sewer system owned or operated by the Enrollee.
11. The Enrollee shall develop and implement a written Sewer System Management Plan (SSMP) and make it available to the State and/or Regional Water Board upon request. A copy of this document must be publicly available at the Enrollee's office and/or available on the Internet. This SSMP must be approved by the Enrollee's governing board at a public meeting.

12. In accordance with the California Business and Professions Code sections 6735, 7835, and 7835.1, all engineering and geologic evaluations and judgments shall be performed by or under the direction of registered professionals competent and proficient in the fields pertinent to the required activities. Specific elements of the SSMP that require professional evaluation and judgments shall be prepared by or under the direction of appropriately qualified professionals, and shall bear the professional(s)' signature and stamp.
13. The mandatory elements of the SSMP are specified below. However, if the Enrollee believes that any element of this section is not appropriate or applicable to the Enrollee's sanitary sewer system, the SSMP program does not need to address that element. The Enrollee must justify why that element is not applicable. The SSMP must be approved by the deadlines listed in the SSMP Time Schedule below.

Sewer System Management Plan (SSMP)

- (i) **Goal:** The goal of the SSMP is to provide a plan and schedule to properly manage, operate, and maintain all parts of the sanitary sewer system. This will help reduce and prevent SSOs, as well as mitigate any SSOs that do occur.
- (ii) **Organization:** The SSMP must identify:
- (a) The name of the responsible or authorized representative as described in Section J of this Order.
 - (b) The names and telephone numbers for management, administrative, and maintenance positions responsible for implementing specific measures in the SSMP program. The SSMP must identify lines of authority through an organization chart or similar document with a narrative explanation; and
 - (c) The chain of communication for reporting SSOs, from receipt of a complaint or other information, including the person responsible for reporting SSOs to the State and Regional Water Board and other agencies if applicable (such as County Health Officer, County Environmental Health Agency, Regional Water Board, and/or State Office of Emergency Services (OES)).
- (iii) **Legal Authority:** Each Enrollee must demonstrate, through sanitary sewer system use ordinances, service agreements, or other legally binding procedures, that it possesses the necessary legal authority to:
- (a) Prevent illicit discharges into its sanitary sewer system (examples may include I/I, stormwater, chemical dumping, unauthorized debris and cut roots, etc.);

- (b) Require that sewers and connections be properly designed and constructed;
 - (c) Ensure access for maintenance, inspection, or repairs for portions of the lateral owned or maintained by the Public Agency;
 - (d) Limit the discharge of fats, oils, and grease and other debris that may cause blockages, and
 - (e) Enforce any violation of its sewer ordinances.
- (iv) **Operation and Maintenance Program.** The SSMP must include those elements listed below that are appropriate and applicable to the Enrollee's system:
- (a) Maintain an up-to-date map of the sanitary sewer system, showing all gravity line segments and manholes, pumping facilities, pressure pipes and valves, and applicable stormwater conveyance facilities;
 - (b) Describe routine preventive operation and maintenance activities by staff and contractors, including a system for scheduling regular maintenance and cleaning of the sanitary sewer system with more frequent cleaning and maintenance targeted at known problem areas. The Preventative Maintenance (PM) program should have a system to document scheduled and conducted activities, such as work orders;
 - (c) Develop a rehabilitation and replacement plan to identify and prioritize system deficiencies and implement short-term and long-term rehabilitation actions to address each deficiency. The program should include regular visual and TV inspections of manholes and sewer pipes, and a system for ranking the condition of sewer pipes and scheduling rehabilitation. Rehabilitation and replacement should focus on sewer pipes that are at risk of collapse or prone to more frequent blockages due to pipe defects. Finally, the rehabilitation and replacement plan should include a capital improvement plan that addresses proper management and protection of the infrastructure assets. The plan shall include a time schedule for implementing the short- and long-term plans plus a schedule for developing the funds needed for the capital improvement plan;
 - (d) Provide training on a regular basis for staff in sanitary sewer system operations and maintenance, and require contractors to be appropriately trained; and

- (e) Provide equipment and replacement part inventories, including identification of critical replacement parts.

(v) **Design and Performance Provisions:**

- (a) Design and construction standards and specifications for the installation of new sanitary sewer systems, pump stations and other appurtenances; and for the rehabilitation and repair of existing sanitary sewer systems; and
- (b) Procedures and standards for inspecting and testing the installation of new sewers, pumps, and other appurtenances and for rehabilitation and repair projects.

(vi) **Overflow Emergency Response Plan** - Each Enrollee shall develop and implement an overflow emergency response plan that identifies measures to protect public health and the environment. At a minimum, this plan must include the following:

- (a) Proper notification procedures so that the primary responders and regulatory agencies are informed of all SSOs in a timely manner;
- (b) A program to ensure an appropriate response to all overflows;
- (c) Procedures to ensure prompt notification to appropriate regulatory agencies and other potentially affected entities (e.g. health agencies, Regional Water Boards, water suppliers, etc.) of all SSOs that potentially affect public health or reach the waters of the State in accordance with the MRP. All SSOs shall be reported in accordance with this MRP, the California Water Code, other State Law, and other applicable Regional Water Board WDRs or NPDES permit requirements. The SSMP should identify the officials who will receive immediate notification;
- (d) Procedures to ensure that appropriate staff and contractor personnel are aware of and follow the Emergency Response Plan and are appropriately trained;
- (e) Procedures to address emergency operations, such as traffic and crowd control and other necessary response activities; and
- (f) A program to ensure that all reasonable steps are taken to contain and prevent the discharge of untreated and partially treated wastewater to waters of the United States and to minimize or correct any adverse impact on the environment resulting from the SSOs, including such accelerated or additional monitoring as may be necessary to determine the nature and impact of the discharge.

- (vii) **FOG Control Program:** Each Enrollee shall evaluate its service area to determine whether a FOG control program is needed. If an Enrollee determines that a FOG program is not needed, the Enrollee must provide justification for why it is not needed. If FOG is found to be a problem, the Enrollee must prepare and implement a FOG source control program to reduce the amount of these substances discharged to the sanitary sewer system. This plan shall include the following as appropriate:
- (a) An implementation plan and schedule for a public education outreach program that promotes proper disposal of FOG;
 - (b) A plan and schedule for the disposal of FOG generated within the sanitary sewer system service area. This may include a list of acceptable disposal facilities and/or additional facilities needed to adequately dispose of FOG generated within a sanitary sewer system service area;
 - (c) The legal authority to prohibit discharges to the system and identify measures to prevent SSOs and blockages caused by FOG;
 - (d) Requirements to install grease removal devices (such as traps or interceptors), design standards for the removal devices, maintenance requirements, BMP requirements, record keeping and reporting requirements;
 - (e) Authority to inspect grease producing facilities, enforcement authorities, and whether the Enrollee has sufficient staff to inspect and enforce the FOG ordinance;
 - (f) An identification of sanitary sewer system sections subject to FOG blockages and establishment of a cleaning maintenance schedule for each section; and
 - (g) Development and implementation of source control measures for all sources of FOG discharged to the sanitary sewer system for each section identified in (f) above.
- (viii) **System Evaluation and Capacity Assurance Plan:** The Enrollee shall prepare and implement a capital improvement plan (CIP) that will provide hydraulic capacity of key sanitary sewer system elements for dry weather peak flow conditions, as well as the appropriate design storm or wet weather event. At a minimum, the plan must include:
- (a) **Evaluation:** Actions needed to evaluate those portions of the sanitary sewer system that are experiencing or contributing to an SSO discharge caused by hydraulic deficiency. The evaluation must provide estimates of peak flows (including flows from SSOs

that escape from the system) associated with conditions similar to those causing overflow events, estimates of the capacity of key system components, hydraulic deficiencies (including components of the system with limiting capacity) and the major sources that contribute to the peak flows associated with overflow events;

- (b) **Design Criteria:** Where design criteria do not exist or are deficient, undertake the evaluation identified in (a) above to establish appropriate design criteria; and
 - (c) **Capacity Enhancement Measures:** The steps needed to establish a short- and long-term CIP to address identified hydraulic deficiencies, including prioritization, alternatives analysis, and schedules. The CIP may include increases in pipe size, I/I reduction programs, increases and redundancy in pumping capacity, and storage facilities. The CIP shall include an implementation schedule and shall identify sources of funding.
 - (d) **Schedule:** The Enrollee shall develop a schedule of completion dates for all portions of the capital improvement program developed in (a)-(c) above. This schedule shall be reviewed and updated consistent with the SSMP review and update requirements as described in Section D. 14.
- (ix) **Monitoring, Measurement, and Program Modifications:** The Enrollee shall:
- (a) Maintain relevant information that can be used to establish and prioritize appropriate SSMP activities;
 - (b) Monitor the implementation and, where appropriate, measure the effectiveness of each element of the SSMP;
 - (c) Assess the success of the preventative maintenance program;
 - (d) Update program elements, as appropriate, based on monitoring or performance evaluations; and
 - (e) Identify and illustrate SSO trends, including: frequency, location, and volume.
- (x) **SSMP Program Audits** - As part of the SSMP, the Enrollee shall conduct periodic internal audits, appropriate to the size of the system and the number of SSOs. At a minimum, these audits must occur every two years and a report must be prepared and kept on file. This audit shall focus on evaluating the effectiveness of the SSMP and the

Enrollee's compliance with the SSMP requirements identified in this subsection (D.13), including identification of any deficiencies in the SSMP and steps to correct them.

- (xi) **Communication Program** – The Enrollee shall communicate on a regular basis with the public on the development, implementation, and performance of its SSMP. The communication system shall provide the public the opportunity to provide input to the Enrollee as the program is developed and implemented.

The Enrollee shall also create a plan of communication with systems that are tributary and/or satellite to the Enrollee's sanitary sewer system.

14. Both the SSMP and the Enrollee's program to implement the SSMP must be certified by the Enrollee to be in compliance with the requirements set forth above and must be presented to the Enrollee's governing board for approval at a public meeting. The Enrollee shall certify that the SSMP, and subparts thereof, are in compliance with the general WDRs within the time frames identified in the time schedule provided in subsection D.15, below.

In order to complete this certification, the Enrollee's authorized representative must complete the certification portion in the Online SSO Database Questionnaire by checking the appropriate milestone box, printing and signing the automated form, and sending the form to:

State Water Resources Control Board
Division of Water Quality
Attn: SSO Program Manager
P.O. Box 100
Sacramento, CA 95812

The SSMP must be updated every five (5) years, and must include any significant program changes. Re-certification by the governing board of the Enrollee is required in accordance with D.14 when significant updates to the SSMP are made. To complete the re-certification process, the Enrollee shall enter the data in the Online SSO Database and mail the form to the State Water Board, as described above.

15. The Enrollee shall comply with these requirements according to the following schedule. This time schedule does not supersede existing requirements or time schedules associated with other permits or regulatory requirements.

Sewer System Management Plan Time Schedule

| <u>Task and Associated Section</u> | Completion Date | | | |
|---|--|--|--|--|
| | Population > 100,000 | Population between 100,000 and 10,000 | Population between 10,000 and 2,500 | Population < 2,500 |
| Application for Permit Coverage Section C | 6 months after WDRs Adoption | | | |
| Reporting Program Section G | 6 months after WDRs Adoption ¹ | | | |
| SSMP Development Plan and Schedule No specific Section | 9 months after WDRs Adoption ² | 12 months after WDRs Adoption ² | 15 months after WDRs Adoption ² | 18 months after WDRs Adoption ² |
| Goals and Organization Structure Section D 13 (i) & (ii) | 12 months after WDRs Adoption ² | | 18 months after WDRs Adoption ² | |
| Overflow Emergency Response Program Section D 13 (vi) | 24 months after WDRs Adoption ² | 30 months after WDRs Adoption ² | 36 months after WDRs Adoption ² | 39 months after WDRs Adoption ² |
| Legal Authority Section D 13 (iii) | | | | |
| Operation and Maintenance Program Section D 13 (iv) | | | | |
| Grease Control Program Section D 13 (vii) | 36 months after WDRs Adoption | 39 months after WDRs Adoption | 48 months after WDRs Adoption | 51 months after WDRs Adoption |
| Design and Performance Section D 13 (v) | | | | |
| System Evaluation and Capacity Assurance Plan Section D 13 (viii) | | | | |
| Final SSMP, incorporating all of the SSMP requirements Section D 13 | | | | |

1. In the event that by July 1, 2006 the Executive Director is able to execute a memorandum of agreement (MOA) with the California Water Environment Association (CWEA) or discharger representatives outlining a strategy and time schedule for CWEA or another entity to provide statewide training on the adopted monitoring program, SSO database electronic reporting, and SSMP development, consistent with this Order, then the schedule of Reporting Program Section G shall be replaced with the following schedule:

| | |
|---------------------------------------|-------------------------------|
| Reporting Program Section G | |
| Regional Boards 4, 8, and 9 | 8 months after WDRs Adoption |
| Regional Boards 1, 2, and 3 | 12 months after WDRs Adoption |
| Regional Boards 5, 6, and 7 | 16 months after WDRs Adoption |

If this MOU is not executed by July 1, 2006, the reporting program time schedule will remain six (6) months for all regions and agency size categories.

2. In the event that the Executive Director executes the MOA identified in note 1 by July 1, 2006, then the deadline for this task shall be extended by six (6) months. The time schedule identified in the MOA must be consistent with the extended time schedule provided by this note. If the MOA is not executed by July 1, 2006, the six (6) month time extension will not be granted.

E. WDRs and SSMP AVAILABILITY

1. A copy of the general WDRs and the certified SSMP shall be maintained at appropriate locations (such as the Enrollee’s offices, facilities, and/or Internet homepage) and shall be available to sanitary sewer system operating and maintenance personnel at all times.

F. ENTRY AND INSPECTION

1. The Enrollee shall allow the State or Regional Water Boards or their authorized representative, upon presentation of credentials and other documents as may be required by law, to:
 - a. Enter upon the Enrollee’s premises where a regulated facility or activity is located or conducted, or where records are kept under the conditions of this Order;
 - b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this Order;

- c. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Order; and
- d. Sample or monitor at reasonable times, for the purposes of assuring compliance with this Order or as otherwise authorized by the California Water Code, any substances or parameters at any location.

G. GENERAL MONITORING AND REPORTING REQUIREMENTS

1. The Enrollee shall furnish to the State or Regional Water Board, within a reasonable time, any information that the State or Regional Water Board may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this Order. The Enrollee shall also furnish to the Executive Director of the State Water Board or Executive Officer of the applicable Regional Water Board, upon request, copies of records required to be kept by this Order.
2. The Enrollee shall comply with the attached Monitoring and Reporting Program No. 2006-0003 and future revisions thereto, as specified by the Executive Director. Monitoring results shall be reported at the intervals specified in Monitoring and Reporting Program No. 2006-0003. Unless superseded by a specific enforcement Order for a specific Enrollee, these reporting requirements are intended to replace other mandatory routine written reports associated with SSOs.
3. All Enrollees must obtain SSO Database accounts and receive a "Username" and "Password" by registering through the California Integrated Water Quality System (CIWQS). These accounts will allow controlled and secure entry into the SSO Database. Additionally, within 30days of receiving an account and prior to recording spills into the SSO Database, all Enrollees must complete the "Collection System Questionnaire", which collects pertinent information regarding a Enrollee's collection system. The "Collection System Questionnaire" must be updated at least every 12 months.
4. Pursuant to Health and Safety Code section 5411.5, any person who, without regard to intent or negligence, causes or permits any untreated wastewater or other waste to be discharged in or on any waters of the State, or discharged in or deposited where it is, or probably will be, discharged in or on any surface waters of the State, as soon as that person has knowledge of the discharge, shall immediately notify the local health officer of the discharge. Discharges of untreated or partially treated wastewater to storm drains and drainage channels, whether man-made or natural or concrete-lined, shall be reported as required above.

Any SSO greater than 1,000 gallons discharged in or on any waters of the State, or discharged in or deposited where it is, or probably will be, discharged in or on any surface waters of the State shall also be reported to the Office of Emergency Services pursuant to California Water Code section 13271.

H. CHANGE IN OWNERSHIP

1. This Order is not transferable to any person or party, except after notice to the Executive Director. The Enrollee shall submit this notice in writing at least 30 days in advance of any proposed transfer. The notice must include a written agreement between the existing and new Enrollee containing a specific date for the transfer of this Order's responsibility and coverage between the existing Enrollee and the new Enrollee. This agreement shall include an acknowledgement that the existing Enrollee is liable for violations up to the transfer date and that the new Enrollee is liable from the transfer date forward.

I. INCOMPLETE REPORTS

1. If an Enrollee becomes aware that it failed to submit any relevant facts in any report required under this Order, the Enrollee shall promptly submit such facts or information by formally amending the report in the Online SSO Database.

J. REPORT DECLARATION

1. All applications, reports, or information shall be signed and certified as follows:
 - (i) All reports required by this Order and other information required by the State or Regional Water Board shall be signed and certified by a person designated, for a municipality, state, federal or other public agency, as either a principal executive officer or ranking elected official, or by a duly authorized representative of that person, as described in paragraph (ii) of this provision. (For purposes of electronic reporting, an electronic signature and accompanying certification, which is in compliance with the Online SSO database procedures, meet this certification requirement.)
 - (ii) An individual is a duly authorized representative only if:
 - (a) The authorization is made in writing by a person described in paragraph (i) of this provision; and
 - (b) The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity.

K. CIVIL MONETARY REMEDIES FOR DISCHARGE VIOLATIONS

1. The California Water Code provides various enforcement options, including civil monetary remedies, for violations of this Order.
2. The California Water Code also provides that any person failing or refusing to furnish technical or monitoring program reports, as required under this Order, or

falsifying any information provided in the technical or monitoring reports is subject to civil monetary penalties.

L. SEVERABILITY

1. The provisions of this Order are severable, and if any provision of this Order, or the application of any provision of this Order to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this Order, shall not be affected thereby.
2. This order does not convey any property rights of any sort or any exclusive privileges. The requirements prescribed herein do not authorize the commission of any act causing injury to persons or property, nor protect the Enrollee from liability under federal, state or local laws, nor create a vested right for the Enrollee to continue the waste discharge.

CERTIFICATION

The undersigned Clerk to the State Water Board does hereby certify that the foregoing is a full, true, and correct copy of general WDRs duly and regularly adopted at a meeting of the State Water Resources Control Board held on May 2, 2006.

AYE: Tam M. Doduc
Gerald D. Secundy

NO: Arthur G. Baggett

ABSENT: None

ABSTAIN: None



Song Her
Clerk to the Board

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

ORDER NO. WQ 2008-0002-EXEC

ADOPTING AMENDED MONITORING AND REPORTING REQUIREMENTS FOR
STATEWIDE GENERAL WASTE DISCHARGE REQUIREMENTS FOR SANITARY SEWER
SYSTEMS

The State of California, Water Resources Control Board (State Water Board) finds:


1. The State Water Board is authorized to prescribe statewide general waste discharge requirements for categories of discharges that involve the same or similar operations and the same or similar types of waste pursuant to Water Code 13263, subdivision (i).
2. The State Water Board on May 2, 2006, adopted Statewide General Waste Discharge Requirements for Sanitary Sewer Systems, Order No. 2006-0003-DWQ, pursuant to that authority.
3. The State Water Board on May 2, 2006, adopted Monitoring and Reporting Requirements to implement the General Waste Discharge Requirements for Sanitary Sewer Systems.
4. State Water Board Order No. 2006-0003-DWQ, paragraph G.2., and the Monitoring and Reporting Requirements, both provide that the Executive Director may modify the terms of the Monitoring and Reporting Requirements at any time.
5. The time allowed in those Monitoring and Reporting Requirements for the filing of the initial report of an overflow is too long to adequately protect the public health and safety or the beneficial uses of the waters of the state when there is a sewage collection system spill. An additional notification requirement is necessary and appropriate to ensure the Office of Emergency Services, local public health officials, and the applicable regional water quality control board are apprised of a spill that reaches a drainage channel or surface water.
6. Further, the burden of providing a notification as soon as possible is de minimis and will allow response agencies to take action as soon as possible to protect public health and safety and beneficial uses of the waters of the state.

IT IS HEREBY ORDERED THAT:

Pursuant to the authority delegated by Resolution No. 2002-0104 and Order No. 2006-0003-DWQ, the Monitoring and Reporting Requirements for Statewide General Waste Discharge Requirements for Sanitary Sewer Systems No. 2006-0003-DWQ is hereby amended as shown in Attachment A, with new text indicated by double-underline.

Dated:

February 20, 2008



Dorothy Rice
Executive Director

ATTACHMENT A

STATE WATER RESOURCES CONTROL BOARD MONITORING AND REPORTING PROGRAM NO. 2006-0003-DWQ (AS REVISED BY ORDER NO. WQ 2008-0002-EXEC)

STATEWIDE GENERAL WASTE DISCHARGE REQUIREMENTS FOR SANITARY SEWER SYSTEMS

This Monitoring and Reporting Program (MRP) establishes monitoring, record keeping, reporting and public notification requirements for Order No. 2006-2003-DWQ, "Statewide General Waste Discharge Requirements for Sanitary Sewer Systems." Revisions to this MRP may be made at any time by the Executive Director, and may include a reduction or increase in the monitoring and reporting.

NOTIFICATION

Although State and Regional Water Board staff do not have duties as first responders, this Monitoring and Reporting Program is an appropriate mechanism to ensure that the agencies that do have first responder duties are notified in a timely manner in order to protect public health and beneficial uses.

1. For any discharges of sewage that results in a discharge to a drainage channel or a surface water, the Discharger shall, as soon as possible, but not later than two (2) hours after becoming aware of the discharge, notify the State Office of Emergency Services, the local health officer or directors of environmental health with jurisdiction over affected water bodies, and the appropriate Regional Water Quality Control Board.
2. As soon as possible, but no later than twenty-four (24) hours after becoming aware of a discharge to a drainage channel or a surface water, the Discharger shall submit to the appropriate Regional Water Quality Control Board a certification that the State Office of Emergency Services and the local health officer or directors of environmental health with jurisdiction over the affected water bodies have been notified of the discharge.

A. SANITARY SEWER OVERFLOW REPORTING

SSO Categories

1. Category 1 - All discharges of sewage resulting from a failure in the Enrollee's sanitary sewer system that:
 - A. Equal or exceed 1000 gallons, or
 - B. Result in a discharge to a drainage channel and/or surface water; or
 - C. Discharge to a storm drainpipe that was not fully captured and returned to the sanitary sewer system.

2. Category 2 – All other discharges of sewage resulting from a failure in the Enrollee's sanitary sewer system.
3. Private Lateral Sewage Discharges – Sewage discharges that are caused by blockages or other problems within a privately owned lateral.

SSO Reporting Timeframes

4. Category 1 SSOs – Except as provided above, all SSOs that meet the above criteria for Category 1 SSOs must be reported as soon as: (1) the Enrollee has knowledge of the discharge, (2) reporting is possible, and (3) reporting can be provided without substantially impeding cleanup or other emergency measures. Initial reporting of Category 1 SSOs must be reported to the Online SSO System as soon as possible but no later than 3 business days after the Enrollee is made aware of the SSO. Minimum information that must be contained in the 3-day report must include all information identified in section 9 below, except for item 9.K. A final certified report must be completed through the Online SSO System, within 15 calendar days of the conclusion of SSO response and remediation. Additional information may be added to the certified report, in the form of an attachment, at any time.

The above reporting requirements are in addition to do not preclude other emergency notification requirements and timeframes mandated by other regulatory agencies (local County Health Officers, local Director of Environmental Health, Regional Water Boards, or Office of Emergency Services (OES)) or State law.

5. Category 2 SSOs – All SSOs that meet the above criteria for Category 2 SSOs must be reported to the Online SSO Database within 30 days after the end of the calendar month in which the SSO occurs (e.g. all SSOs occurring in the month of January must be entered into the database by March 1st).
6. Private Lateral Sewage Discharges – All sewage discharges that meet the above criteria for Private Lateral sewage discharges may be reported to the Online SSO Database based upon the Enrollee's discretion. If a Private Lateral sewage discharge is recorded in the SSO Database, the Enrollee must identify the sewage discharge as occurring and caused by a private lateral, and a responsible party (other than the Enrollee) should be identified, if known.
7. If there are no SSOs during the calendar month, the Enrollee will provide, within 30 days after the end of each calendar month, a statement through the Online SSO Database certifying that there were no SSOs for the designated month.
8. In the event that the SSO Online Database is not available, the enrollee must fax all required information to the appropriate Regional Water Board office in

accordance with the time schedules identified above. In such event, the Enrollee must also enter all required information into the Online SSO Database as soon as practical.

Mandatory Information to be Included in SSO Online Reporting

All Enrollees must obtain SSO Database accounts and receive a "Username" and "Password" by registering through the California Integrated Water Quality System (CIWQS). These accounts will allow controlled and secure entry into the SSO Database. Additionally, within thirty (30) days of receiving an account and prior to recording SSOs into the SSO Database, all Enrollees must complete the "Collection System Questionnaire", which collects pertinent information regarding an Enrollee's collection system. The "Collection System Questionnaire" must be updated at least every 12 months.

At a minimum, the following mandatory information must be included prior to finalizing and certifying an SSO report for each category of SSO:

9. Category 2 SSOs:

- A. Location of SSO by entering GPS coordinates;
- B. Applicable Regional Water Board, i.e. identify the region in which the SSO occurred;
- C. County where SSO occurred;
- D. Whether or not the SSO entered a drainage channel and/or surface water;
- E. Whether or not the SSO was discharged to a storm drain pipe that was not fully captured and returned to the sanitary sewer system;
- F. Estimated SSO volume in gallons;
- G. SSO source (manhole, cleanout, etc.);
- H. SSO cause (mainline blockage, roots, etc.);
- I. Time of SSO notification or discovery;
- J. Estimated operator arrival time;
- K. SSO destination;
- L. Estimated SSO end time; and
- M. SSO Certification. Upon SSO Certification, the SSO Database will issue a Final SSO Identification (ID) Number.

10. Private Lateral Sewage Discharges:

- A. All information listed above (if applicable and known), as well as;
- B. Identification of sewage discharge as a private lateral sewage discharge; and
- C. Responsible party contact information (if known).

11. Category 1 SSOs:

- A. All information listed for Category 2 SSOs, as well as;
- B. Estimated SSO volume that reached surface water, drainage channel, or not recovered from a storm drain;
- C. Estimated SSO amount recovered;
- D. Response and corrective action taken;
- E. If samples were taken, identify which regulatory agencies received sample results (if applicable). If no samples were taken, NA must be selected.
- F. Parameters that samples were analyzed for (if applicable);
- G. Identification of whether or not health warnings were posted;
- H. Beaches impacted (if applicable). If no beach was impacted, NA must be selected;
- I. Whether or not there is an ongoing investigation;
- J. Steps taken or planned to reduce, eliminate, and prevent reoccurrence of the overflow and a schedule of major milestones for those steps;
- K. OES control number (if applicable);
- L. Date OES was called (if applicable);
- M. Time OES was called (if applicable);
- N. Identification of whether or not County Health Officers were called;
- O. Date County Health Officer was called (if applicable); and
- P. Time County Health Officer was called (if applicable).

Reporting to Other Regulatory Agencies

These reporting requirements do not preclude an Enrollee from reporting SSOs to other regulatory agencies pursuant California state law. These reporting requirements do not replace other Regional Water Board telephone reporting requirements for SSOs.

1. The Enrollee shall report SSOs to OES, in accordance with California Water Code Section 13271.

Office of Emergency Services
Phone (800) 852-7550

2. The Enrollee shall report SSOs to County Health officials in accordance with California Health and Safety Code Section 5410 et seq.
3. The SSO database will automatically generate an e-mail notification with customized information about the SSO upon initial reporting of the SSO and final certification for all Category 1 SSOs. E-mails will be sent to the appropriate County Health Officer and/or Environmental Health Department if the county desires this information, and the appropriate Regional Water Board.

B. Record Keeping

1. Individual SSO records shall be maintained by the Enrollee for a minimum of five years from the date of the SSO. This period may be extended when requested by a Regional Water Board Executive Officer.

[2. Omitted.]

3. All records shall be made available for review upon State or Regional Water Board staff's request.
4. All monitoring instruments and devices that are used by the Enrollee to fulfill the prescribed monitoring and reporting program shall be properly maintained and calibrated as necessary to ensure their continued accuracy;
5. The Enrollee shall retain records of all SSOs, such as, but not limited to and when applicable:
 - a. Record of Certified report, as submitted to the online SSO database;
 - b. All original recordings for continuous monitoring instrumentation;
 - c. Service call records and complaint logs of calls received by the Enrollee;
 - d. SSO calls;
 - e. SSO records;
 - f. Steps that have been and will be taken to prevent the SSO from recurring and a schedule to implement those steps.
 - g. Work orders, work completed, and any other maintenance records from the previous 5 years which are associated with responses and investigations of system problems related to SSOs;
 - h. A list and description of complaints from customers or others from the previous 5 years; and
 - i. Documentation of performance and implementation measures for the previous 5 years.
6. If water quality samples are required by an environmental or health regulatory agency or State law, or if voluntary monitoring is conducted by the Enrollee or its agent(s), as a result of any SSO, records of monitoring information shall include:
 - a. The date, exact place, and time of sampling or measurements;
 - b. The individual(s) who performed the sampling or measurements;
 - c. The date(s) analyses were performed;
 - d. The individual(s) who performed the analyses;
 - e. The analytical technique or method used; and,
 - f. The results of such analyses.


C. Certification

1. All final reports must be certified by an authorized person as required by Provision J of the Order.
2. Registration of authorized individuals, who may certify reports, will be in accordance with the CIWQS' protocols for reporting.

Monitoring and Reporting Program No. 2006-0003 will become effective on the date of adoption by the State Water Board. The notification requirements added by Order No. WQ 2008-0002-EXEC will become effective upon issuance by the Executive Director.

CERTIFICATION

The undersigned Clerk to the Board does hereby certify that the foregoing is a full, true, and correct copy of an order amended by the Executive Director of the State Water Board.



Jeanne Townsend
Clerk to the Board

STATE OF CALIFORNIA
WATER RESOURCES CONTROL BOARD
ORDER NO. WQ 2013-0058-EXEC

AMENDING MONITORING AND REPORTING PROGRAM
FOR
STATEWIDE GENERAL WASTE DISCHARGE REQUIREMENTS FOR
SANITARY SEWER SYSTEMS

The State of California, Water Resources Control Board (hereafter State Water Board) finds:

1. The State Water Board is authorized to prescribe statewide general Waste Discharge Requirements (WDRs) for categories of discharges that involve the same or similar operations and the same or similar types of waste pursuant to Water Code section 13263(i).
2. Water Code section 13193 *et seq.* requires the Regional Water Quality Control Boards (Regional Water Boards) and the State Water Board (collectively, the Water Boards) to gather Sanitary Sewer Overflow (SSO) information and make this information available to the public, including but not limited to, SSO cause, estimated volume, location, date, time, duration, whether or not the SSO reached or may have reached waters of the state, response and corrective action taken, and an enrollee's contact information for each SSO event. An enrollee is defined as the public entity having legal authority over the operation and maintenance of, or capital improvements to, a sanitary sewer system greater than one mile in length.
3. Water Code section 13271, *et seq.* requires notification to the California Office of Emergency Services (Cal OES), formerly the California Emergency Management Agency, for certain unauthorized discharges, including SSOs.
4. On May 2, 2006, the State Water Board adopted Order 2006-0003-DWQ, "Statewide Waste Discharge Requirements for Sanitary Sewer Systems"¹ (hereafter SSS WDRs) to comply with Water Code section 13193 and to establish the framework for the statewide SSO Reduction Program.
5. Subsection G.2 of the SSS WDRs and the Monitoring and Reporting Program (MRP) provide that the Executive Director may modify the terms of the MRP at any time.
6. On February 20, 2008, the State Water Board Executive Director adopted a revised MRP for the SSS WDRs to rectify early notification deficiencies and ensure that first responders are notified in a timely manner of SSOs discharged into waters of the state.
7. When notified of an SSO that reaches a drainage channel or surface water of the state, Cal OES, pursuant to Water Code section 13271(a)(3), forwards the SSO notification information² to local government agencies and first responders including local public health officials and the applicable Regional Water Board. Receipt of notifications for a single SSO event from both the SSO reporter

¹ Available for download at:

http://www.waterboards.ca.gov/board_decisions/adopted_orders/water_quality/2006/wqo/wqo2006_0003.pdf

² Cal OES Hazardous Materials Spill Reports available Online at:

[http://w3.calema.ca.gov/operational/mal haz.nsf/\\$defaultview](http://w3.calema.ca.gov/operational/mal haz.nsf/$defaultview) and <http://w3.calema.ca.gov/operational/mal haz.nsf>

and Cal OES is duplicative. To address this, the SSO notification requirements added by the February 20, 2008 MRP revision are being removed in this MRP revision.

8. In the February 28, 2008 Memorandum of Agreement between the State Water Board and the California Water and Environment Association (CWEA), the State Water Board committed to re-designing the CIWQS³ Online SSO Database to allow "event" based SSO reporting versus the original "location" based reporting. Revisions to this MRP and accompanying changes to the CIWQS Online SSO Database will implement this change by allowing for multiple SSO appearance points to be associated with each SSO event caused by a single asset failure.
9. Based on stakeholder input and Water Board staff experience implementing the SSO Reduction Program, SSO categories have been revised in this MRP. In the prior version of the MRP, SSOs have been categorized as Category 1 or Category 2. This MRP implements changes to SSO categories by adding a Category 3 SSO type. This change will improve data management to further assist Water Board staff with evaluation of high threat and low threat SSOs by placing them in unique categories (i.e., Category 1 and Category 3, respectively). This change will also assist enrollees in identifying SSOs that require Cal OES notification.
10. Based on over six years of implementation of the SSS WDRs, the State Water Board concludes that the February 20, 2008 MRP must be updated to better advance the SSO Reduction Program⁴ objectives, assess compliance, and enforce the requirements of the SSS WDRs.

IT IS HEREBY ORDERED THAT:

Pursuant to the authority delegated by Water Code section 13267(f), Resolution 2002-0104, and Order 2006-0003-DWQ, the MRP for the SSS WDRs (Order 2006-0003-DWQ) is hereby amended as shown in Attachment A and shall be effective on September 9, 2013.

8/6/13

Date



Thomas Howard
Executive Director

³ California Integrated Water Quality System (CIWQS) publicly available at <http://www.waterboards.ca.gov/ciwqs/publicreports.shtml>

⁴ Statewide Sanitary Sewer Overflow Reduction Program information is available at: http://www.waterboards.ca.gov/water_issues/programs/ssor/

ATTACHMENT A

STATE WATER RESOURCES CONTROL BOARD ORDER NO. WQ 2013-0058-EXEC

AMENDING MONITORING AND REPORTING PROGRAM FOR STATEWIDE GENERAL WASTE DISCHARGE REQUIREMENTS FOR SANITARY SEWER SYSTEMS

This Monitoring and Reporting Program (MRP) establishes monitoring, record keeping, reporting and public notification requirements for Order 2006-0003-DWQ, "Statewide General Waste Discharge Requirements for Sanitary Sewer Systems" (SSS WDRs). This MRP shall be effective from September 9, 2013 until it is rescinded. The Executive Director may make revisions to this MRP at any time. These revisions may include a reduction or increase in the monitoring and reporting requirements. All site specific records and data developed pursuant to the SSS WDRs and this MRP shall be complete, accurate, and justified by evidence maintained by the enrollee. Failure to comply with this MRP may subject an enrollee to civil liabilities of up to \$5,000 a day per violation pursuant to Water Code section 13350; up to \$1,000 a day per violation pursuant to Water Code section 13268; or referral to the Attorney General for judicial civil enforcement. The State Water Resources Control Board (State Water Board) reserves the right to take any further enforcement action authorized by law.

A. SUMMARY OF MRP REQUIREMENTS

Table 1 – Spill Categories and Definitions

| CATEGORIES | DEFINITIONS [see Section A on page 5 of Order 2006-0003-DWQ, for Sanitary Sewer Overflow (SSO) definition] |
|---|---|
| CATEGORY 1 | Discharges of untreated or partially treated wastewater of any volume resulting from an enrollee's sanitary sewer system failure or flow condition that: <ul style="list-style-type: none">Reach surface water and/or reach a drainage channel tributary to a surface water; orReach a Municipal Separate Storm Sewer System (MS4) and are not fully captured and returned to the sanitary sewer system or not otherwise captured and disposed of properly. Any volume of wastewater not recovered from the MS4 is considered to have reached surface water unless the storm drain system discharges to a dedicated storm water or groundwater infiltration basin (e.g., infiltration pit, percolation pond). |
| CATEGORY 2 | Discharges of untreated or partially treated wastewater of 1,000 gallons or greater resulting from an enrollee's sanitary sewer system failure or flow condition that do not reach surface water, a drainage channel, or a MS4 unless the entire SSO discharged to the storm drain system is fully recovered and disposed of properly. |
| CATEGORY 3 | All other discharges of untreated or partially treated wastewater resulting from an enrollee's sanitary sewer system failure or flow condition. |
| PRIVATE LATERAL SEWAGE DISCHARGE (PLSD) | Discharges of untreated or partially treated wastewater resulting from blockages or other problems within a privately owned sewer lateral connected to the enrollee's sanitary sewer system or from other private sewer assets. PLSDs that the enrollee becomes aware of may be voluntarily reported to the California Integrated Water Quality System (CIWQS) Online SSO Database. |

Table 2 – Notification, Reporting, Monitoring, and Record Keeping Requirements

| ELEMENT | REQUIREMENT | METHOD |
|---|---|---|
| NOTIFICATION (see section B of MRP) | <ul style="list-style-type: none"> • Within two hours of becoming aware of any Category 1 SSO greater than or equal to 1,000 gallons discharged to surface water or spilled in a location where it probably will be discharged to surface water, notify the California Office of Emergency Services (Cal OES) and obtain a notification control number. | Call Cal OES at: (800) 852-7550 |
| REPORTING (see section C of MRP) | <ul style="list-style-type: none"> • Category 1 SSO: Submit draft report within three business days of becoming aware of the SSO and certify within 15 calendar days of SSO end date. • Category 2 SSO: Submit draft report within 3 business days of becoming aware of the SSO and certify within 15 calendar days of the SSO end date. • Category 3 SSO: Submit certified report within 30 calendar days of the end of month in which SSO the occurred. • SSO Technical Report: Submit within 45 calendar days after the end date of any Category 1 SSO in which 50,000 gallons or greater are spilled to surface waters. • “No Spill” Certification: Certify that no SSOs occurred within 30 calendar days of the end of the month or, if reporting quarterly, the quarter in which no SSOs occurred. • Collection System Questionnaire: Update and certify every 12 months. | Enter data into the CIWQS Online SSO Database (http://ciwqs.waterboards.ca.gov/), certified by enrollee’s Legally Responsible Official(s). |
| WATER QUALITY MONITORING (see section D of MRP) | <ul style="list-style-type: none"> • Conduct water quality sampling within 48 hours after initial SSO notification for Category 1 SSOs in which 50,000 gallons or greater are spilled to surface waters. | Water quality results are required to be uploaded into CIWQS for Category 1 SSOs in which 50,000 gallons or greater are spilled to surface waters. |
| RECORD KEEPING (see section E of MRP) | <ul style="list-style-type: none"> • SSO event records. • Records documenting Sanitary Sewer Management Plan (SSMP) implementation and changes/updates to the SSMP. • Records to document Water Quality Monitoring for SSOs of 50,000 gallons or greater spilled to surface waters. • Collection system telemetry records if relied upon to document and/or estimate SSO Volume. | Self-maintained records shall be available during inspections or upon request. |

B. NOTIFICATION REQUIREMENTS

Although Regional Water Quality Control Boards (Regional Water Boards) and the State Water Board (collectively, the Water Boards) staff do not have duties as first responders, this MRP is an appropriate mechanism to ensure that the agencies that have first responder duties are notified in a timely manner in order to protect public health and beneficial uses.

1. For any Category 1 SSO greater than or equal to 1,000 gallons that results in a discharge to a surface water or spilled in a location where it probably will be discharged to surface water, either directly or by way of a drainage channel or MS4, the enrollee shall, as soon as possible, but not later than two (2) hours after (A) the enrollee has knowledge of the discharge, (B) notification is possible, and (C) notification can be provided without substantially impeding cleanup or other emergency measures, notify the Cal OES and obtain a notification control number.
2. To satisfy notification requirements for each applicable SSO, the enrollee shall provide the information requested by Cal OES before receiving a control number. Spill information requested by Cal OES may include:
 - i. Name of person notifying Cal OES and direct return phone number.
 - ii. Estimated SSO volume discharged (gallons).
 - iii. If ongoing, estimated SSO discharge rate (gallons per minute).
 - iv. SSO Incident Description:
 - a. Brief narrative.
 - b. On-scene point of contact for additional information (name and cell phone number).
 - c. Date and time enrollee became aware of the SSO.
 - d. Name of sanitary sewer system agency causing the SSO.
 - e. SSO cause (if known).
 - v. Indication of whether the SSO has been contained.
 - vi. Indication of whether surface water is impacted.
 - vii. Name of surface water impacted by the SSO, if applicable.
 - viii. Indication of whether a drinking water supply is or may be impacted by the SSO.
 - ix. Any other known SSO impacts.
 - x. SSO incident location (address, city, state, and zip code).
3. Following the initial notification to Cal OES and until such time that an enrollee certifies the SSO report in the CIWQS Online SSO Database, the enrollee shall provide updates to Cal OES regarding substantial changes to the estimated volume of untreated or partially treated sewage discharged and any substantial change(s) to known impact(s).
4. PLSDs: The enrollee is strongly encouraged to notify Cal OES of discharges greater than or equal to 1,000 gallons of untreated or partially treated wastewater that result or may result in a discharge to surface water resulting from failures or flow conditions within a privately owned sewer lateral or from other private sewer asset(s) if the enrollee becomes aware of the PLSD.

C. **REPORTING REQUIREMENTS**

1. **CIWQS Online SSO Database Account:** All enrollees shall obtain a CIWQS Online SSO Database account and receive a “Username” and “Password” by registering through CIWQS. These accounts allow controlled and secure entry into the CIWQS Online SSO Database.
2. **SSO Mandatory Reporting Information:** For reporting purposes, if one SSO event results in multiple appearance points in a sewer system asset, the enrollee shall complete one SSO report in the CIWQS Online SSO Database which includes the GPS coordinates for the location of the SSO appearance point closest to the failure point, blockage or location of the flow condition that caused the SSO, and provide descriptions of the locations of all other discharge points associated with the SSO event.
3. **SSO Categories**
 - i. **Category 1** – Discharges of untreated or partially treated wastewater of any volume resulting from an enrollee’s sanitary sewer system failure or flow condition that:
 - a. Reach surface water and/or reach a drainage channel tributary to a surface water; or
 - b. Reach a MS4 and are not fully captured and returned to the sanitary sewer system or not otherwise captured and disposed of properly. Any volume of wastewater not recovered from the MS4 is considered to have reached surface water unless the storm drain system discharges to a dedicated storm water or groundwater infiltration basin (e.g., infiltration pit, percolation pond).
 - ii. **Category 2** – Discharges of untreated or partially treated wastewater greater than or equal to 1,000 gallons resulting from an enrollee’s sanitary sewer system failure or flow condition that does not reach a surface water, a drainage channel, or the MS4 unless the entire SSO volume discharged to the storm drain system is fully recovered and disposed of properly.
 - iii. **Category 3** – All other discharges of untreated or partially treated wastewater resulting from an enrollee’s sanitary sewer system failure or flow condition.
4. **Sanitary Sewer Overflow Reporting to CIWQS - Timeframes**
 - i. **Category 1 and Category 2 SSOs** – All SSOs that meet the above criteria for Category 1 or Category 2 SSOs shall be reported to the CIWQS Online SSO Database:
 - a. Draft reports for Category 1 and Category 2 SSOs shall be submitted to the CIWQS Online SSO Database within three (3) business days of the enrollee becoming aware of the SSO. Minimum information that shall be reported in a draft Category 1 SSO report shall include all information identified in section 8.i.a. below. Minimum information that shall be reported in a Category 2 SSO draft report shall include all information identified in section 8.i.c below.
 - b. A final Category 1 or Category 2 SSO report shall be certified through the CIWQS Online SSO Database within 15 calendar days of the end date of the SSO. Minimum information that shall be certified in the final Category 1 SSO report shall include all information identified in section 8.i.b below. Minimum information that shall be certified in a final Category 2 SSO report shall include all information identified in section 8.i.d below.

- ii. **Category 3 SSOs** – All SSOs that meet the above criteria for Category 3 SSOs shall be reported to the CIWQS Online SSO Database and certified within 30 calendar days after the end of the calendar month in which the SSO occurs (e.g., all Category 3 SSOs occurring in the month of February shall be entered into the database and certified by March 30). Minimum information that shall be certified in a final Category 3 SSO report shall include all information identified in section 8.i.e below.
- iii. **“No Spill” Certification** – If there are no SSOs during the calendar month, the enrollee shall either 1) certify, within 30 calendar days after the end of each calendar month, a “No Spill” certification statement in the CIWQS Online SSO Database certifying that there were no SSOs for the designated month, or 2) certify, quarterly within 30 calendar days after the end of each quarter, “No Spill” certification statements in the CIWQS Online SSO Database certifying that there were no SSOs for each month in the quarter being reported on. For quarterly reporting, the quarters are Q1 - January/ February/ March, Q2 - April/May/June, Q3 - July/August/September, and Q4 - October/November/December.

If there are no SSOs during a calendar month but the enrollee reported a PLSD, the enrollee shall still certify a “No Spill” certification statement for that month.
- iv. **Amended SSO Reports** – The enrollee may update or add additional information to a certified SSO report within 120 calendar days after the SSO end date by amending the report or by adding an attachment to the SSO report in the CIWQS Online SSO Database. SSO reports certified in the CIWQS Online SSO Database prior to the adoption date of this MRP may only be amended up to 120 days after the effective date of this MRP. After 120 days, the enrollee may contact the SSO Program Manager to request to amend an SSO report if the enrollee also submits justification for why the additional information was not available prior to the end of the 120 days.

5. **SSO Technical Report**

The enrollee shall submit an SSO Technical Report in the CIWQS Online SSO Database within 45 calendar days of the SSO end date for any SSO in which 50,000 gallons or greater are spilled to surface waters. This report, which does not preclude the Water Boards from requiring more detailed analyses if requested, shall include at a minimum, the following:

- i. **Causes and Circumstances of the SSO:**
 - a. Complete and detailed explanation of how and when the SSO was discovered.
 - b. Diagram showing the SSO failure point, appearance point(s), and final destination(s).
 - c. Detailed description of the methodology employed and available data used to calculate the volume of the SSO and, if applicable, the SSO volume recovered.
 - d. Detailed description of the cause(s) of the SSO.
 - e. Copies of original field crew records used to document the SSO.
 - f. Historical maintenance records for the failure location.
- ii. **Enrollee’s Response to SSO:**
 - a. Chronological narrative description of all actions taken by enrollee to terminate the spill.
 - b. Explanation of how the SSMP Overflow Emergency Response plan was implemented to respond to and mitigate the SSO.

- c. Final corrective action(s) completed and/or planned to be completed, including a schedule for actions not yet completed.

iii. **Water Quality Monitoring:**

- a. Description of all water quality sampling activities conducted including analytical results and evaluation of the results.
- b. Detailed location map illustrating all water quality sampling points.

6. **PLSDs**

Discharges of untreated or partially treated wastewater resulting from blockages or other problems within a privately owned sewer lateral connected to the enrollee's sanitary sewer system or from other private sanitary sewer system assets may be voluntarily reported to the CIWQS Online SSO Database.

- i. The enrollee is also encouraged to provide notification to Cal OES per section B above when a PLSD greater than or equal to 1,000 gallons has or may result in a discharge to surface water. For any PLSD greater than or equal to 1,000 gallons regardless of the spill destination, the enrollee is also encouraged to file a spill report as required by Health and Safety Code section 5410 et. seq. and Water Code section 13271, or notify the responsible party that notification and reporting should be completed as specified above and required by State law.
- ii. If a PLSD is recorded in the CIWQS Online SSO Database, the enrollee must identify the sewage discharge as occurring and caused by a private sanitary sewer system asset and should identify a responsible party (other than the enrollee), if known. Certification of PLSD reports by enrollees is not required.

7. **CIWQS Online SSO Database Unavailability**

In the event that the CIWQS Online SSO Database is not available, the enrollee must fax or e-mail all required information to the appropriate Regional Water Board office in accordance with the time schedules identified herein. In such event, the enrollee must also enter all required information into the CIWQS Online SSO Database when the database becomes available.

8. **Mandatory Information to be Included in CIWQS Online SSO Reporting**

All enrollees shall obtain a CIWQS Online SSO Database account and receive a "Username" and "Password" by registering through CIWQS which can be reached at CIWQS@waterboards.ca.gov or by calling (866) 792-4977, M-F, 8 A.M. to 5 P.M. These accounts will allow controlled and secure entry into the CIWQS Online SSO Database. Additionally, within thirty (30) days of initial enrollment and prior to recording SSOs into the CIWQS Online SSO Database, all enrollees must complete a Collection System Questionnaire (Questionnaire). The Questionnaire shall be updated at least once every 12 months.

i. **SSO Reports**

At a minimum, the following mandatory information shall be reported prior to finalizing and certifying an SSO report for each category of SSO:

- a. **Draft Category 1 SSOs**: At a minimum, the following mandatory information shall be reported for a draft Category 1 SSO report:
1. SSO Contact Information: Name and telephone number of enrollee contact person who can answer specific questions about the SSO being reported.
 2. SSO Location Name.
 3. Location of the overflow event (SSO) by entering GPS coordinates. If a single overflow event results in multiple appearance points, provide GPS coordinates for the appearance point closest to the failure point and describe each additional appearance point in the SSO appearance point explanation field.
 4. Whether or not the SSO reached surface water, a drainage channel, or entered and was discharged from a drainage structure.
 5. Whether or not the SSO reached a municipal separate storm drain system.
 6. Whether or not the total SSO volume that reached a municipal separate storm drain system was fully recovered.
 7. Estimate of the SSO volume, inclusive of all discharge point(s).
 8. Estimate of the SSO volume that reached surface water, a drainage channel, or was not recovered from a storm drain.
 9. Estimate of the SSO volume recovered (if applicable).
 10. Number of SSO appearance point(s).
 11. Description and location of SSO appearance point(s). If a single sanitary sewer system failure results in multiple SSO appearance points, each appearance point must be described.
 12. SSO start date and time.
 13. Date and time the enrollee was notified of, or self-discovered, the SSO.
 14. Estimated operator arrival time.
 15. For spills greater than or equal to 1,000 gallons, the date and time Cal OES was called.
 16. For spills greater than or equal to 1,000 gallons, the Cal OES control number.
- b. **Certified Category 1 SSOs**: At a minimum, the following mandatory information shall be reported for a certified Category 1 SSO report, in addition to all fields in section 8.i.a :
1. Description of SSO destination(s).
 2. SSO end date and time.
 3. SSO causes (mainline blockage, roots, etc.).
 4. SSO failure point (main, lateral, etc.).
 5. Whether or not the spill was associated with a storm event.
 6. Description of spill corrective action, including steps planned or taken to reduce, eliminate, and prevent reoccurrence of the overflow; and a schedule of major milestones for those steps.
 7. Description of spill response activities.
 8. Spill response completion date.
 9. Whether or not there is an ongoing investigation, the reasons for the investigation and the expected date of completion.

10. Whether or not a beach closure occurred or may have occurred as a result of the SSO.
 11. Whether or not health warnings were posted as a result of the SSO.
 12. Name of beach(es) closed and/or impacted. If no beach was impacted, NA shall be selected.
 13. Name of surface water(s) impacted.
 14. If water quality samples were collected, identify parameters the water quality samples were analyzed for. If no samples were taken, NA shall be selected.
 15. If water quality samples were taken, identify which regulatory agencies received sample results (if applicable). If no samples were taken, NA shall be selected.
 16. Description of methodology(ies) and type of data relied upon for estimations of the SSO volume discharged and recovered.
 17. SSO Certification: Upon SSO Certification, the CIWQS Online SSO Database will issue a final SSO identification (ID) number.
- c. **Draft Category 2 SSOs**: At a minimum, the following mandatory information shall be reported for a draft Category 2 SSO report:
1. Items 1-14 in section 8.i.a above for Draft Category 1 SSO.
- d. **Certified Category 2 SSOs**: At a minimum, the following mandatory information shall be reported for a certified Category 2 SSO report:
1. Items 1-14 in section 8.i.a above for Draft Category 1 SSO and Items 1-9, and 17 in section 8.i.b above for Certified Category 1 SSO.
- e. **Certified Category 3 SSOs**: At a minimum, the following mandatory information shall be reported for a certified Category 3 SSO report:
1. Items 1-14 in section 8.i.a above for Draft Category 1 SSO and Items 1-5, and 17 in section 8.i.b above for Certified Category 1 SSO.

ii. **Reporting SSOs to Other Regulatory Agencies**

These reporting requirements do not preclude an enrollee from reporting SSOs to other regulatory agencies pursuant to state law. In addition, these reporting requirements do not replace other Regional Water Board notification and reporting requirements for SSOs.

iii. **Collection System Questionnaire**

The required Questionnaire (see subsection G of the SSS WDRs) provides the Water Boards with site-specific information related to the enrollee's sanitary sewer system. The enrollee shall complete and certify the Questionnaire at least every 12 months to facilitate program implementation, compliance assessment, and enforcement response.

iv. **SSMP Availability**

The enrollee shall provide the publicly available internet web site address to the CIWQS Online SSO Database where a downloadable copy of the enrollee's approved SSMP, critical supporting documents referenced in the SSMP, and proof of local governing board approval of the SSMP is posted. If all of the SSMP documentation listed in this subsection is not publicly available on the Internet, the enrollee shall comply with the following procedure:

- a. Submit an **electronic** copy of the enrollee's approved SSMP, critical supporting documents referenced in the SSMP, and proof of local governing board approval of the SSMP to the State Water Board, within 30 days of that approval and within 30 days of any subsequent SSMP re-certifications, to the following mailing address:

State Water Resources Control Board
Division of Water Quality
Attn: SSO Program Manager
1001 I Street, 15th Floor, Sacramento, CA 95814

D. WATER QUALITY MONITORING REQUIREMENTS:

To comply with subsection D.7(v) of the SSS WDRs, the enrollee shall develop and implement an SSO Water Quality Monitoring Program to assess impacts from SSOs to surface waters in which 50,000 gallons or greater are spilled to surface waters. The SSO Water Quality Monitoring Program, shall, at a minimum:

1. Contain protocols for water quality monitoring.
2. Account for spill travel time in the surface water and scenarios where monitoring may not be possible (e.g. safety, access restrictions, etc.).
3. Require water quality analyses for ammonia and bacterial indicators to be performed by an accredited or certified laboratory.
4. Require monitoring instruments and devices used to implement the SSO Water Quality Monitoring Program to be properly maintained and calibrated, including any records to document maintenance and calibration, as necessary, to ensure their continued accuracy.
5. Within 48 hours of the enrollee becoming aware of the SSO, require water quality sampling for, at a minimum, the following constituents:
 - i. Ammonia
 - ii. Appropriate Bacterial indicator(s) per the applicable Basin Plan water quality objective or Regional Board direction which may include total and fecal coliform, enterococcus, and e-coli.

E. RECORD KEEPING REQUIREMENTS:

The following records shall be maintained by the enrollee for a minimum of five (5) years and shall be made available for review by the Water Boards during an onsite inspection or through an information request:

1. General Records: The enrollee shall maintain records to document compliance with all provisions of the SSS WDRs and this MRP for each sanitary sewer system owned including any required records generated by an enrollee's sanitary sewer system contractor(s).
2. SSO Records: The enrollee shall maintain records for each SSO event, including but not limited to:
 - i. Complaint records documenting how the enrollee responded to all notifications of possible or actual SSOs, both during and after business hours, including complaints that do not

result in SSOs. Each complaint record shall, at a minimum, include the following information:

- a. Date, time, and method of notification.
 - b. Date and time the complainant or informant first noticed the SSO.
 - c. Narrative description of the complaint, including any information the caller can provide regarding whether or not the complainant or informant reporting the potential SSO knows if the SSO has reached surface waters, drainage channels or storm drains.
 - d. Follow-up return contact information for complainant or informant for each complaint received, if not reported anonymously.
 - e. Final resolution of the complaint.
- ii. Records documenting steps and/or remedial actions undertaken by enrollee, using all available information, to comply with section D.7 of the SSS WDRs.
 - iii. Records documenting how all estimate(s) of volume(s) discharged and, if applicable, volume(s) recovered were calculated.
3. Records documenting all changes made to the SSMP since its last certification indicating when a subsection(s) of the SSMP was changed and/or updated and who authorized the change or update. These records shall be attached to the SSMP.
 4. Electronic monitoring records relied upon for documenting SSO events and/or estimating the SSO volume discharged, including, but not limited to records from:
 - i. Supervisory Control and Data Acquisition (SCADA) systems
 - ii. Alarm system(s)
 - iii. Flow monitoring device(s) or other instrument(s) used to estimate wastewater levels, flow rates and/or volumes.

F. CERTIFICATION

1. All information required to be reported into the CIWQS Online SSO Database shall be certified by a person designated as described in subsection J of the SSS WDRs. This designated person is also known as a Legally Responsible Official (LRO). An enrollee may have more than one LRO.
2. Any designated person (i.e. an LRO) shall be registered with the State Water Board to certify reports in accordance with the CIWQS protocols for reporting.
3. Data Submitter (DS): Any enrollee employee or contractor may enter draft data into the CIWQS Online SSO Database on behalf of the enrollee if authorized by the LRO and registered with the State Water Board. However, only LROs may certify reports in CIWQS.
4. The enrollee shall maintain continuous coverage by an LRO. Any change of a registered LRO or DS (e.g., retired staff), including deactivation or a change to the LRO's or DS's contact information, shall be submitted by the enrollee to the State Water Board within 30 days of the change by calling (866) 792-4977 or e-mailing help@ciwqs.waterboards.ca.gov.

5. A registered designated person (i.e., an LRO) shall certify all required reports under penalty of perjury laws of the state as stated in the CIWQS Online SSO Database at the time of certification.

CERTIFICATION

The undersigned Clerk to the Board does hereby certify that the foregoing is a full, true, and correct copy of an order amended by the Executive Director of the State Water Resources Control Board.

7/30/13

Date



Jeanine Townsend
Clerk to the Board

Appendix B – SSMP Implementation Plan and Schedule

VWNA List of To Do Items Within Scope of Contract

Date: April 18, 2006

| No: | Area: | Description: |
|-----|---------------------|---|
| 1 | River | 1. Repair raw water pH Meter |
| | | 2. Install new stairs |
| | | 3. Main breaker continues to trip on pump #1 on start up |
| | | 4. Security Fencing |
| | | 5. Divers to clean out intake |
| | | 6. Packing on # 1 pump is leaking |
| | | 7. There is no guards on the coupling area |
| 2 | Fourth Street | 1. Clean up and organize area |
| | | 2. Replace Oil Pump on pump #1 |
| | | 3. # 2 pump has a pulley to drive the oil pump that turns. There is no |
| 3 | Distribution System | 1. Disinfection By-Products |
| 4 | All Areas | 1. Change out contact signage through out system to reflect VWNA numbers |
| 5 | Plant | 1. SCADA Dial Out Alarm |
| | | 2. Scum Skimmer Filter 1-4 |
| | | 3. Clean reactor tank |
| | | 4. LB cover missing on Filter # 1 |
| 6 | Blending Vault | 1. Remove razor wire at ground level |
| 7 | Vehcile | 1. Install VWNA decals |
| 8 | 13th Street | 1. Recess Gate |
| | | 2. Flex conduit going to flow meter on # 2 pump needs replaced. |
| | | 3. Saddle for air relief on # 3 has small leak. |
| | | 4. The bottom screen on the motor for # 3 needs removed, there is some masking tape in there that could get in the motor. |
| | | 5. # 3 motor/pump making more noise than other. (could be VFD noise) |
| | | 6. Wire and conduit are to short going into box for the CL2 Analazer |
| 9 | Administrative | 1. Order business cards |
| | | 2. Photo IDs for employees |
| | | 3. Hide a spare key on truck |
| | | 4. Rubber mat for bed of truck |
| 10 | | |

Canby Utility Capital List

| No: | Area: |
|-----|-------------------------------|
| 1 | Chemical Feed Upgrade |
| 2 | Filters |
| 3 | Coagulation |
| 4 | River |
| 5 | Plant Control Room |
| 6 | Sludge Handling |
| 7 | VFD Production Pump |
| 8 | 4th street tank |
| 9 | 13 th street tank. |
| 10 | Safety |
| 11 | Safety |
| 12 | Safety |
| 13 | Safety |
| 14 | Safety |
| 15 | Safety |
| 16 | Safety |
| 17 | Safety |
| 18 | Safety |
| 19 | Safety |
| 20 | Safety |
| 21 | Safety |

| Description |
|--|
| 1. Post UV Chlorination and caustic |
| 2. Relocate CFE turbidimeter ahead of chemicals |
| 3. NaOH post clearwell |
| 4. Chemical pump piping to address material, pulsation dampeners, calibration columns, static mixers |
| 5. Use of peristaltic pump (masterflex or watson marlow) |
| 1. DP transmitters for filters and clarifiers |
| 2. Influent control valves installed on filters 1-4 |
| 1. Reactor Replacement - Add a common sedimentation process (Actiflo would be great for the type of source water they have) |
| 1. Security and fencing |
| 2. Stairs |
| 3. Backup power |
| 4. Telemetry --Raw pump station and blending vault |
| 5. Auto clean screens on MRI |
| 6. Safety Restraint for Sweeping MRI |
| 7. Automate MRI and RIG inlet valves to caisson |
| 8. Isolate Raw Water to Clearwell Cross Connection |
| 1. Fire sprinklers and smoke alarms |
| 1. Backwash ponds |
| 1. Might what to look at updating these. |
| Paint |
| Perform an integrity survey |
| Security - A gate and fencing to prevent unauthorized entry to the Main River Intake, Raw Water Pump Station, Spring Gallery, and Pump Station 10. |
| Security - Or, fencing, intrusion alarms, or cameras to warn or prevent unauthorized entry to the Main River Intake Pump Station, Spring Gallery, and Pump Station 10. |
| Security - "No Trespassing" signage around Main Plant, Main River Intake, Raw Water Pump Station, Spring Gallery, and Pump Station 10. |
| Security - Lights around Main Plant. |
| Security - Surveillance / recording equipment for Main Plant and other areas as identified in the Vulnerability Assessment. |
| Main Water Plant - Roof leak in Main Plant creates a slip hazard. |
| Holding ponds - "No Trespassing" signage. |
| Well 10 -Recommend fencing to prevent authorized entry. |
| Main River Intake - A paved walking path, stairs and permanent railing needs to be constructed for the path leading to and at the Main River Intake from the Raw Water Pump Station. |
| Main Water Plant - Water filtration tanks walkways and working areas that do not have railing and toe boards need to have them installed to prevent against fall hazards. |
| Main Water Plant - Caustic and chlorine chemical sump need toe boards to prevent items or tools falling into containment area. |
| Main Water Plant - Diesel tank needs secondary containment and warning cones or barrier. |

| | A | B | C | D | E | F |
|----|--|------------------|------------------------|--|--|--------------------------|
| 1 | Plan and Schedule for Statewide General Waste Discharge Requirements for Sanitary Sewer Systems | | | | | |
| 2 | State Water Resources Control Board Order No. 2006-0003 | | | | | |
| 3 | Palm Springs WWTP Project | | | | | |
| 4 | | | | | | |
| 5 | Due Date | Draft Due | Final Completed | Activity Description | Status | Responsibility |
| 6 | B. Application Requirements | | | | | |
| 7 | 11/1/06 | | 08/07/06 | 1. Complete and Submit Application for Coverage Under WDR. | Done | Jack Martin/City Manager |
| 8 | D.13.(i) Goal | | | | | |
| 9 | 11/01/07 | 08/01/07 | 11/01/07 | Goal is to rovide a Plan and Schedule to properly manage, operate, and maintain all parts of the sanitary sewer system. | Done | Water Resources |
| 10 | D.13.(ii) Organization | | | | | |
| 11 | 11/01/07 | 08/01/07 | 11/01/07 | (a) Identify authorized represenatives. | Done | Bob Okren/Veolia |
| 12 | 11/01/07 | 08/01/07 | 11/01/07 | (b) Identify name and telephone numbers for: | Done | Bob Okren/Veolia |
| 13 | 11/01/07 | 08/01/07 | 11/01/07 | Management | Done | Bob Okren/Veolia |
| 14 | 11/01/07 | 08/01/07 | 11/01/07 | Administration | Done | Bob Okren/Veolia |
| 15 | 11/01/07 | 08/01/07 | 11/01/07 | Maintenance | Done | Bob Okren/Veolia |
| 16 | 11/01/07 | 08/01/07 | 11/01/07 | Identify lines of authority through organizational chart and narrative explanation. | Done | Bob Okren/Veolia |
| 17 | 11/01/07 | 08/01/07 | 11/01/07 | (c) Identify Chain of Communicaiton for reporting of SSOs. | Done | Bob Okren/Veolia |
| 18 | D.13.(iii) Legal Authority | | | | | |
| 19 | | | | Demonstrate Legal Authority to: | Done | Bob Okren |
| 20 | 05/01/09 | | 03/01/06 | (a) Prevent Illicit discharges. | Done | Bob Okren |
| 21 | 05/01/09 | | 03/01/06 | (b) Require that sewer connections be properly designed and constructed. | Done | Bob Okren |
| 22 | 05/01/09 | | 03/01/06 | (c) Ensure access for maintenance, inspection, and repairs. | Done | Bob Okren |
| 23 | 05/01/09 | | 03/01/06 | (d) Limit the discharge of FOG and other debris. | Done | Bob Okren |
| 24 | 05/01/09 | | 03/01/06 | (e) Enforce any violations of sewer ordinance. | Done | Bob Okren |
| 25 | D.13.(iv) Operations and Maintenance Program | | | | | |
| 26 | | | | | | |
| 27 | 05/01/09 | 06/19/07 | 08/02/07 | (a) Maintain an up to date map of the sanitary and applicable storm collection system. | Base Map Completed and Base Map Maintenance Ongoing | Bob Okren/ICOMM |
| 28 | 05/01/09 | 06/19/07 | 08/02/07 | (b) Describe Routine Preventive Maintenance. | Done | Bob Okren/Gary Gray |
| 29 | 05/01/09 | 06/19/07 | 08/02/07 | (c) Develop Rehabilitation/Replacement Plan. | Done | Bob Okren/Gary Gray |
| 30 | 05/01/09 | 06/19/07 | 08/02/07 | (d) Provide training on regular basis for staff in sanitary sewer system operations and maintenance. | Done | Bob Okren/Gary Gray |
| 31 | 05/01/09 | 06/19/07 | 08/02/07 | (e) Provide for equipment and replacement part inventories. | Done | Bob Okren/Gary Gray |
| 32 | D.13.(v) Design and Performance Provisions | | | | | |
| 33 | 05/01/09 | | | (a) Establish Design and construction standards for the installation of new sanitary sewer systems, pump stations and other appurtenances. | Design and Performance provisions appear to be in place. City Public Works must confirm. | Public Works |
| 34 | 05/01/09 | | | (b) Establish procedures and standards for inspecting and testing the installation of new sewers, pumps, and other apputtenances and for rehabilitation and repair projects. | | Public Works |
| 35 | D.13.(vi) Overflow Emergency Response Plan | | | | | |
| 36 | 05/01/09 | 06/01/08 | 12/01/08 | (a) Establish proper notificaiton procedures. | Done | Bob Okren/Ken Huntzinger |
| 37 | 05/01/09 | | 12/01/08 | (b) Establish program to ensure appropriate response. | Done | Bob Okren/Ken Huntzinger |
| 38 | 05/01/09 | | 12/01/08 | (c) Procedures to ensure prompt notification to regulatory officials. | Done | Bob Okren/Ken Huntzinger |
| 39 | 05/01/09 | | 12/01/08 | (d) Procedures to ensure training and awareness on ERP. | Done | Bob Okren/Ken Huntzinger |
| 40 | 05/01/09 | | 12/01/08 | (e) Procedures to address emergency operations procedures for traffic and crowd control. | Done | Bob Okren/Ken Huntzinger |
| 41 | 05/01/09 | | 12/01/08 | (f) Procedures to ensure all reasonable steps are taken to contain and prevent the discharge of untreated water. | Done | Bob Okren/Ken Huntzinger |
| 42 | D.13.(vii) FOG Control Program | | | | | |
| 43 | 5/1/09 | 6/1/08 | 12/1/2008 | (a) Include implementation plan and schedule for a public education outreach program that promotes proper disposal. | Done | Bob Okren/Ed Luna |
| 44 | 5/1/09 | 6/1/08 | 12/1/2008 | (b) Include a plan and schedule for the disposal of FOG. | Done | Bob Okren/Ed Luna |
| 45 | 5/1/09 | 6/1/08 | 12/1/2008 | (c) Identify the legal aauthority to prohibit discharges. | Done | Bob Okren/Ed Luna |
| 46 | 5/1/09 | 6/1/08 | 12/1/2008 | (d) Include requirements to install grease removal devices. | Done | Bob Okren/Ed Luna |
| 47 | 5/1/09 | 6/1/08 | 12/1/2008 | (e) Include authority to inspect grease producing facilities. | Done | Bob Okren/Ed Luna |
| 48 | 5/1/09 | 6/1/08 | 12/1/2008 | (f) Identify sections subject to FOG blockages. | Done | Bob Okren/Ed Luna |
| 49 | 5/1/09 | 6/1/08 | 12/1/2008 | (g) Develop source control measures for all FOG sources. | Done | Bob Okren/Ed Luna |
| 50 | D.13.(viii) System Evaluation and Capacity Assurance Plan | | | | | |
| 51 | 8/1/09 | | 02/01/09 | (a) Evaluation of SSOs in terms of hydraulic deficiency. | Done | Veolia/Boyle |
| 52 | 8/1/09 | | 02/01/09 | (b) Undertake design criteria evaluation. | Done | Veolia/Boyle |
| 53 | 8/1/09 | | 02/01/09 | (c) Capacity Enhancement Measures: Identify steps needed to establish CIP. | Done | Veolia/Boyle |

| | A | B | C | D | E | F |
|----|---|------------------|------------------------|---|---------------|-----------------------|
| 5 | <i>Due Date</i> | <i>Draft Due</i> | <i>Final Completed</i> | <i>Activity Description</i> | <i>Status</i> | <i>Responsibility</i> |
| 54 | 8/1/09 | | 02/01/09 | (d) Schedule: Develop schedule of completion dates for all portions of the CIP. | Done | Veolia/Boyle |
| 55 | | | | | | |
| 56 | D.13.(ix) Monitoring, Measurement, and Program Modifications | | | | | |
| 57 | | | | (a) Maintain relevant information that can be used to establish and prioritize SSMP activities. | Ongoing | Ken Huntzinger/Veolia |
| 58 | | | | (b) Monitor implementation and measure effectiveness of each SSMP element. | Ongoing | |
| 59 | | | | (c) Assess success of the preventive maintenance program. | Ongoing | |
| 60 | | | | (d) Update program elements. | Ongoing | |
| 61 | | | | (e) Identify and illustrate SSO trends. | Ongoing | |
| 62 | | | | | | |
| 63 | D.13.(x) SSMP Program Audits | | | | | Ken Huntzinger/Veolia |
| 64 | | | | Conduct periodic internal audits. Every two years minimum. | | |
| 65 | | | | | | |
| 66 | D.13.(xi) Communication Program | | | | | |
| 67 | | | | Communicate on a regular basis with Public. | Ongoing | Veolia |
| 68 | | | | | | |
| 69 | D.14. Present SSMP to City Council for Approval | | | | | |
| 70 | 8/1/09 | | | | Done | |
| 71 | | | | | | |
| 72 | 8/1/09 | | | D.14. Certify SSMP Components | Ongoing | |
| 73 | | | | | | |
| 74 | G. General Monitoring and Reporting Requirements | | | | | |
| 75 | | | | | | |
| 76 | 01/01/07 | | 01/01/07 | Manual SSO Reporting | In place | Ken Huntzinger/City |
| 77 | 09/02/07 | | 08/11/07 | SSO Database Reporting | In place | Ken Huntzinger/City |
| 78 | | | | | | |
| 79 | | | | | | |

Appendix C – Palm Springs Municipal Code, Title 15, Water and Sewers

Chapter 15.28 SEWER USE REGULATIONS

Note:

* Prior history: Prior code §§ 7721, 7722, 7741, 7781—7787 and 7789 and Ordinances 912 and 1518.

15.28.005 Purpose and policy.

- (a) The purpose of this chapter is to facilitate the maximum beneficial public use of the sewer services and facilities in the city while preventing blockages of the sewer lines resulting from prohibited or objectionable waste discharges into the sewer facilities, and to specify appropriate FOG discharge requirements for food service establishments. In furtherance of these general purposes, this chapter is intended to:
- (1) Establish the appropriate authority for the city to condition or deny discharges to the sewer system.
 - (2) Prevent the introduction of excessive amounts of grease into the sewer system.
 - (3) Prevent the clogging or blocking of the sewer lines due to grease build up causing backup and flooding of streets, residences, and commercial buildings.
 - (4) Implement procedures to recover the costs incurred in cleaning and maintenance of sewer lines and the proper disposal of grease blockages.
 - (5) Implement a procedure to recover the costs for any liability incurred by the city for damage caused by grease blockages resulting from flooding of streets, residences, or commercial buildings.
 - (6) Establish the authority for the city to monitor, sample and inspect grease traps and interceptors.
- (b) This chapter shall be interpreted in accordance with the definitions set forth in Section 15.28.006. The provisions of this chapter shall apply to the direct or indirect discharge of all prohibited and objectionable wastewater or waste, including wastewater and waste containing FOG, carried to the sewer facilities of the city.
- (c) This chapter establishes quantity and quality standards on all wastewater and/or waste discharges which may cause or contribute to accumulation in the sewer system causing or potentially causing or contributing to the occurrence of SSOs. (Ord. 1682 § 2 (part), 2006)

15.28.006 Definitions.

- (a) Unless otherwise defined in this section, terms related to water quality shall be as adopted in the latest edition of Standard Methods for Examination of Water and Wastewater, published by the American Public Health Association, the American Water Works Association and the Water Environment Federation. The testing procedures for waste constituents and characteristics shall be as provided in 40 CFR 136 (Code of Federal Regulations). Other terms not herein specifically defined shall have the same definition as set forth in the latest adopted editions of the California Codes of Regulations applicable to building construction adopted pursuant to the California Building Standards Law.
- (b) Subject to the foregoing provisions, the following definitions shall apply in this chapter:
- “Best management practices” means schedules of activities, prohibitions of practices, maintenance procedures, installation of equipment, and other management practices to control and limit the introduction of prohibited or objectionable discharges, including FOG, into sewer facilities.
- “Building official” means the director of the building and safety department of the city or the designee of the director of the building and safety department.
- “Change in operations” means any change in the ownership, food types or operational procedures that have the potential to increase the amount of FOG generated and/or discharged by food service establishments in an amount that alone or collectively causes or creates a potential for SSOs to occur.
- “Composite sample” means a collection of individual samples obtained at selected intervals based on an increment of either flow or time. The resulting mixture (composite sample) forms a representative sample of the waste stream discharged during the sample period. Samples will be collected when a wastewater discharge occurs.
- “Discharger” or “user” means any person who discharges or causes a discharge of wastewater directly or indirectly to a

sewer facility and/or stormwater drain system.

“Effluent” means any liquid outflow from the food service establishment that is discharged.

“Fats, oils and grease” or “FOG” means any substance such as a vegetable or animal product that is used in, or is a by-product of, the cooking or food preparation process, and that turns or may turn viscous or solidifies with a change in temperature or other conditions.

“Food service establishment” or “FSE” means facilities defined in California Uniform Retail Food Facilities Law (CURFFL), California Health and Safety Code Section 113785 et seq., as amended from time to time, and any commercial entity within the boundaries of the city, operating in a permanently constructed structure such as a room, building or place, or portion thereof, maintained, used or operated for the purpose of storing, preparing, serving, or manufacturing, packaging, or otherwise handling food for sale to other entities, or for consumption by the public, its members or employees, and which has any process or device that uses or produces FOG, or grease vapors, steam, fumes, smoke or odors that are required to be removed by a Type I or Type II hood, as defined in CURFFL Section 113785. A limited food preparation establishment is not considered a food service establishment.

“Food grinder” means any device, including garbage disposal devices, installed in the plumbing or sewage system for the purpose of grinding food waste or food preparation by-products for the purpose of discharging it into the sewer system.

“Grab sample” means a sample taken from a waste stream on a one-time basis without regard to the flow in the waste stream and without consideration of time.

“Grease control device” means any grease interceptor, grease trap or other mechanism, device or process, which attaches to, or is applied to, wastewater plumbing fixtures and lines, the purpose of which is to trap or collect or treat FOG prior to it being discharged into the sewer system. Grease control device may also include any other proven method to reduce FOG subject to the approval of the building official.

“Grease interceptor” or “interceptor” means a multicompartiment device that is constructed in different sizes and is generally required to be located, according to the California Plumbing Code, underground between a food service establishment and the connection to the sewer system. These devices primarily use gravity to separate FOG from the wastewater as it moves from one compartment to the next. These devices shall have at least one accessible inspection hatch and must be cleaned, maintained, and have the FOG removed and disposed of in a proper manner on regular intervals to ensure effective and efficient operation.

“Grease trap” means a grease control device, including at least one removable lid for access, inspection and maintenance, that is used to serve individual fixtures, including by way of example sinks, and is designed to remove or trap fats, oils and grease while allowing the balance of the waste to discharge to the sewer system by gravity.

“Hot spots” means areas in sewer lines that have experienced sanitary sewer overflows resulting in the need for frequent maintenance and cleaning.

“Infiltration” means water entering a sewer system, including sewer service connections, from the ground through such means as defective pipes, pipe joints, connections or manhole walls.

“Interference” means any discharge which, alone or in conjunction with discharges from other sources, inhibits or disrupts the city’s sewer system, treatment processes or operations; or is a cause of violation of any law or regulation, or prevents lawful sludge use or disposal.

“Limited food preparation establishment” means any commercial entity engaged only in reheating, hot holding, or assembly of ready to eat food products and as a result, there is no wastewater discharge containing a significant amount of FOG. A limited food preparation establishment does not include any operation that changes the form, flavor or consistency of food.

“Manifest” means that receipt which is retained by the generator of wastes for disposing recyclable wastes or liquid wastes as required by the city.

“New construction” means any structure planned or under construction for which a sewer connection permit has not been issued as of October 1, 2005.

“Person” means any individual, partnership, firm, association, corporation, entity or public agency, including the state of California and the United States of America.

“Prohibited discharge” means any discharge which contains any pollutant from public or private property.

“Public agency” means the state of California and/or any city, county, special district, other local governmental authority or public body of or within this state.

“Regulatory agency” means those agencies having regulatory jurisdiction over the operations of the city.

“Remodeling” means a physical change or operational change causing generation of the amount of FOG that exceed the current amount of FOG discharge to the sewer system by the food service establishment in an amount that alone or collectively causes or creates a potential for SSOs to occur; or exceeding a cost of fifty thousand dollars to a food service establishment that requires a building permit, and involves any one or combination of the following: (1) under slab plumbing in the food processing area; (2) a thirty-percent increase in the net public seating area; (3) a thirty-percent increase in the size of the kitchen area; or (4) any change in the size or type of food preparation equipment.

“Sample point” means a location approved by the building official, from which wastewater can be collected that is representative in content and consistency of the entire flow of wastewater being sampled.

“Sampling facilities” means a structure or structures provided at the user’s expense for the city or user to measure and record wastewater constituent mass, concentrations, collect a representative sample or provide access to plug or terminate the discharge.

“Sewer facility or system” means any property belonging to the city or other public agency used in the treatment, reclamation, reuse, transportation or disposal of wastewater, or any tributary thereto.

“Sewer system overflow” or “SSO” means each instance of a discharge of sewage from a sanitary sewer system.

“Sewer lateral” means a building sewer as defined in the latest edition of the California Plumbing Code. It is the wastewater connection between the building’s wastewater facilities and the sewer system or a sewer facility.

“Sludge” means any solid, semisolid, or liquid decant, subnate or supernate from a manufacturing process, utility service or pretreatment facility.

“Stormwater drainage system” means street gutter, channel, storm drain, constructed drain, lined diversion structure, wash area, inlet, outlet or other facility, which is part of or tributary to the city’s stormwater runoff system and used for the purpose of collecting, storing, transporting or disposing of stormwater.

“Waste” means sewage and any and all other waste substances, liquid, solid, gaseous or radioactive, associated with human habitation or of human or animal nature, including such wastes placed within containers of whatever nature prior to and for the purpose of disposal.

“Waste minimization practices” means plans or programs intended to reduce or eliminate: discharges to the sewer system or to conserve water, including, but not limited to, product substitutions, housekeeping practices, inventory control, employee education, and other steps as necessary to minimize wastewater produced.

“Waste hauler” means any person carrying on or engaging in vehicular transport of waste as part of, or incidental to, any business for that purpose.

“Wastewater” means the liquid and water-carried wastes of the community and all constituents thereof, whether treated or untreated, discharged into or permitted to enter a sewer facility.

“Wastewater constituents and characteristics” means the individual chemical, physical, bacteriological and other parameters, including volume and flow rate and such other parameters that serve to define, classify or measure the quality and quantity of wastewater. (Ord. 1682 § 2 (part), 2006)

15.28.010 Dumping of objectionable waste.

No person shall place, deposit or permit to be deposited upon public or private property within this city, or in any area under the jurisdiction of this city, any human or animal excrement, garbage or other objectionable waste, in a manner that would be a danger to the public health or welfare. (Ord. 1682 § 2 (part), 2006)

15.28.020 Discharge of polluted waters.

No person shall discharge to any natural outlet within this city, or in any area under the jurisdiction of this city, any sanitary sewage, industrial wastes or other polluted waters, except where suitable treatment has been provided in accordance with subsequent provisions of this title. (Ord. 1682 § 2 (part), 2006)

15.28.030 Dumping sewage into city system—Application for permit—Fee.

No person shall dump sewage into the city’s sewerage system unless a permit therefor has been applied for and issued

by the building official. No permit therefor shall be issued unless the application for such permit is accompanied by a fee, the amount of which shall be fixed from time to time by resolution of the city council. (Ord. 1682 § 2 (part), 2006)

15.28.040 Improper effluents for sanitary sewers.

No person shall discharge or cause to be discharged any stormwater, surface water, groundwater, roof runoff, subsurface drainage, cooling water or unpolluted industrial process waters to any sanitary sewer. (Ord. 1682 § 2 (part), 2006)

15.28.050 Unpolluted drainage.

Stormwater and all other unpolluted drainage shall be discharged to such sewers as are specifically designated as storm sewers, or to an approved natural outlet. (Ord. 1682 § 2 (part), 2006)

15.28.060 Unpolluted industrial water.

Industrial cooling water or unpolluted process waters may be discharged, upon approval of the director of public works, to a storm sewer or natural outlet. (Ord. 1682 § 2 (part), 2006)

15.28.070 Prohibited and regulated wastes.

(a) Except as hereinafter provided, no person shall discharge or cause to be discharged any of the following described waters or wastes to any sewer facility or into (i) the stormwater drainage system; (ii) any upstream flow, which is tributary to the stormwater drain system; or (iii) any groundwater, river, stream, creek, wash or dry weather arroyo, wetlands area or marsh:

- (1) Hot Fluids. Any liquid or vapor having a temperature higher than one hundred fifty degrees Fahrenheit;
- (2) FOG. Any water or waste which may contain more than one hundred parts per million, by weight, of fat, oil or grease;
- (3) Flammables, Explosives. Any gasoline, benzine, naphtha, fuel oil or other flammable or explosive liquid, solid or gas;
- (4) Solids-Viscous Substances. Any ashes, cinders, sand and straw, shavings, metal, glass, feathers, tar, plastics, wood, paunch manure, or any other solid or viscous substance capable of causing obstruction to the flow in sewers or other interference with the proper operation of the sewage works;
- (5) Deficient or Excessive pH. Any waters or wastes having a pH lower than 5.5, higher than 9.0 or having any other corrosive property capable of causing damage or hazard to structures, equipment and personnel of the sewage works;
- (6) Poison. Any waters or wastes containing a toxic or poisonous substance in sufficient quantity to injure or interfere with any sewage treatment process, constitute a hazard to humans or animals, or create any hazard in the receiving waters of the waste treatment plant;
- (7) Suspended Solids. Any waters or wastes containing suspended solids of such character and quantity that unusual attention or expense is required to handle such materials at the waste treatment plant;
- (8) Noxious Effluvium. Any noxious or malodorous gas or substance capable of creating a public nuisance.

(b) No Person shall operate a food service establishment so as to discharge or cause to be discharged into the sewer system FOG that: (1) exceeds the concentration level provided in subsection (a)(2) of this section; or (2) may accumulate and/or cause or contribute to blockages in the sewer facility or at the sewer system lateral which connects the food service establishment to the sewer system.

(c) No person shall, without prior approval obtained from the director of public works, or his authorized representative, introduce, or cause the admission, into any sewer facility, of any waters or wastes having:

- (1) Excessive Oxygen Demand. A five-day biochemical oxygen demand greater than three hundred parts per million by weight; or
- (2) Suspended solids containing more than three hundred fifty parts per million by weight of suspended solids; or
- (3) Restricted wastes containing any quantity of substances having the characteristics described in subsection (a) of this section.

(d) Where necessary in the opinion of the director of public works, the owner shall provide, at his expense, such preliminary treatment as may be necessary to obtain:

- (1) Reduction of Oxygen Demand. Reduction of the biochemical oxygen demand to three hundred parts per million

and the suspended solids to three hundred fifty parts per million by weight; or

- (2) Reduction of Objectionable Feature. Reduction of objectionable characteristics or constituents to within the maximum limits provided for in subsection (a) of this section;
- (3) Control of Flow. Control of the quantities and rates of discharge of such waters or wastes.

(Ord. 1682 § 2 (part), 2006)

15.28.080 Compliance with preliminary treatment requirements.

No person who has been notified of the necessity of preliminary treatment described in Section 15.28.070 shall thereafter discharge into any sewer facility any water, waste or sewage which has not been given such prescribed preliminary treatment. (Ord. 1682 § 2 (part), 2006)

15.28.090 Compliance with other requirements and regulations.

No person shall discharge into any sewer facility any water waste or sewage, or otherwise use the sewer system, unless Sections 15.28.100 through 15.28.139 have been complied with. (Ord. 1682 § 2 (part), 2006)

15.28.100 Approval of plans for preliminary treatment.

Plans, specifications and other pertinent information relating to proposed preliminary treatment facilities shall be submitted for the approval of the director of public works. No construction of such facilities shall be commenced until such approval is obtained in writing. (Ord. 1682 § 2 (part), 2006)

15.28.110 Maintenance of preliminary treatment facilities.

Where preliminary treatment facilities are provided for any waters or wastes, they shall be maintained continuously in a satisfactory and effective manner, by the owner at his expense. (Ord. 1682 § 2 (part), 2006)

15.28.120 Building manhole.

When required by the director of public works, the owner of any property served by a building sewer carrying industrial wastes shall install a suitable manhole in the building sewer to facilitate observation, sampling and measurement of the wastes prior to discharge into the sewer facility. Such manhole, when required, shall be accessible and safely located, and shall be constructed in accordance with plans approved by the director of public works. The manhole shall be installed by the owner at his expense, and shall be maintained by him so as to be safe and accessible at all times. (Ord. 1682 § 2 (part), 2006)

15.28.130 Place for sampling.

In the event that no special manhole has been required, the control manhole shall be considered to be the nearest downstream manhole in the sewer system from the building sewer. (Ord. 1682 § 2 (part), 2006)

15.28.131 Specific prohibitions.

Each Person operating a food service establishment shall not:

- (1) Install food grinders in the plumbing system of new construction of food service establishments. All food grinders shall be removed from all existing food service establishments on or before January 2, 2007, unless the building official has authorized the food grinder to remain.
- (2) Introduce any additives into a food service establishment's wastewater system for the purpose of emulsifying FOG, unless otherwise permitted by specific written authorization of the building official.
- (3) Dispose waste cooking oil into sewer or drainage pipes. All waste cooking oils shall be collected and stored properly in receptacles such as barrels or drums for recycling or other acceptable methods of disposal.
- (4) Discharge wastewater from dishwashers to any grease interceptor.
- (5) Discharge wastewater with temperatures in excess of one hundred forty degrees Fahrenheit to any grease control device.
- (6) Introduce biological additives for grease remediation or as a supplement to grease control device maintenance without prior authorization from the building official.
- (7) Discharge wastes from toilets, urinals, washbasins, and other fixtures containing fecal materials to sewer lines intended for grease control device service, or vice versa.
- (8) Discharge any waste, including FOG and solid materials removed from the grease control device, to the sewer

system. Grease removed from grease control devices shall be waste hauled periodically as part of the operation and maintenance requirements for grease interceptors and traps.

(Ord. 1682 § 2 (part), 2006)

15.28.132 Best management practices required.

Any person operating a food services establishment shall implement best management practices as prescribed in this chapter for the purpose of controlling and limiting the discharge of FOG to the sewer system. (Ord. 1682 § 2 (part), 2006)

15.28.133 FOG pretreatment best management practices.

Any person operating a food service establishment, or a property owner of a parcel containing multiple FSEs, may be required to install, operate and maintain an approved type and adequately sized grease interceptor in accordance with the provisions of this section. The grease interceptor shall be adequate to separate and remove FOG contained in wastewater discharges from food service

establishments prior to discharge to the sewer system. Fixtures, equipment and drain lines located in the food preparation and clean up areas of food service establishments that are sources of FOG discharges except for dish washing machines shall be connected to the grease interceptor. Compliance shall be established as follows:

- (1) **New Construction of Food Service Establishments.** New construction of food service establishments shall include the installation of grease interceptors of a type and capacity approved by the building official prior to commencing discharges of wastewater to the sewer system.
- (2) **Existing Food Service Establishments/ Commercial Properties.**
 - (A) Existing FSE operators, or property owners with multiple FSEs, shall install a grease control device where the building official has found and determined that a FSE has been responsible for, or otherwise contributed to, one or more SSO(s) following the enactment of this chapter.
 - (B) Where the building official has determined that an owner's lateral line requires cleaning to avoid an imminent threat of an SSO spill, the building official is authorized to issue an order to the owner to immediately clean the subject lateral line.
 - (C) The building official shall issue his/her order in writing to the applicable party and shall designate a reasonable period of time period for corrective action.
- (3) **Best Management Practice Requirements.**
 - (A) All food service establishments shall implement best management practices in accordance with the requirements and guidelines established in this chapter and as may be established by the building official in an effort to minimize the discharge of FOG to the sewer system.
 - (B) All food service establishments shall be required, at a minimum, to comply with the following best management practices:
 - (a) **Installation of Drain Screens.** Drain screens shall be installed on all drainage pipes in food preparation areas.
 - (b) **Segregation and Collection of Waste Cooking Oil.** All waste cooking oil shall be collected and stored properly in recycling receptacles such as barrels or drums. Such recycling receptacles shall be maintained properly to ensure that they do not leak. Food service establishments shall use licensed wastehaulers and licensed recycling facilities to dispose of waste cooking oil.
 - (c) **Disposal of Food Waste.** All food waste shall be disposed of directly into the trash or garbage, and not in sinks.
 - (d) **Employee Training.** Employees of food service establishments shall be trained by ownership/management, upon commencement of employment at least annually thereafter, on the following subjects:
 - (i) How to "dry wipe" pots, pans, dishware and work areas before washing to remove grease.
 - (ii) How to properly dispose of food waste and solids in enclosed plastic bags prior to disposal in trash bins or containers to prevent leaking and odors.

- (iii) The location and use of absorption products to clean under fryer baskets and other locations where grease may be spilled or dripped.
- (iv) How to properly dispose of grease or oils from cooking equipment into a grease receptacle such as a barrel or drum without spilling.

Training shall be documented and employee signatures retained indicating each employee's attendance and understanding of the practices reviewed. Training records shall be available for review at any reasonable time by the building official.

- (e) Kitchen Signage. Best management and waste minimization practices shall be posted conspicuously in the food preparation and dishwashing areas at all times.
- (f) Food Grinders. Food grinders shall immediately be removed from the FSEs plumbing system to prevent the discharge of food debris into the FSEs sewer drain system. This requirement will lead to controlling and limiting the introduction of FOG into the city's sewer system.
- (g) Odors. Grease trap devices shall be installed and maintained so as to prevent odors, cross-contamination, sewer back-ups or SSOs.
- (h) Containers. Grease rendering containers shall be installed and properly maintained.
- (i) Record Keeping. Document record keeping shall be maintained and shall include: (1) employee training records; (2) grease control device (trap or interceptor) maintenance and cleaning records; (3) on property SSO records; (4) plumbing maintenance records; (5) rendering grease disposal records; (6) name and contact information of waste hauler; and (7) disposal site. Documents consist of, but are not limited to logs, records, letters, blue prints, equipment specification and operation, receipts, and manifests. Such records are deemed to be environmental records and shall be retained for a minimum of five years.

(Ord. 1682 § 2 (part), 2006)

15.28.134 Commercial properties.

Property owners of commercial properties or their official designee(s) shall be responsible for the installation and maintenance of the grease interceptor serving multiple food service establishments that are located on a single parcel. (Ord. 1682 § 2 (part), 2006)

15.28.135 Drawing submittal requirements.

- (a) Operators of food service establishments may be required to submit two copies of facility site plans, mechanical and plumbing plans, and details to show all sewer locations and connections. The submittal shall be in a form and content acceptable to the building official for review of existing or proposed grease control device, grease interceptor, monitoring facilities, metering facilities, and operating procedures. The review of the plans and procedures shall in no way relieve the food service establishments of the responsibility of modifying the facilities or procedures in the future, as necessary to produce an acceptable discharge, and to meet the requirements of this chapter or any requirements of other regulatory agencies; and a schematic drawing of the FOG control device, grease interceptor or other pretreatment equipment, piping, and instrumentation diagram, and wastewater characterization report.
- (b) The city may require the drawings be prepared by a California registered mechanical engineer. (Ord. 1682 § 2 (part), 2006)

15.28.136 Grease interceptor requirements.

- (a) Food service establishment operators shall provide wastewater acceptable to the city, under the requirements and standards established herein before discharging to any sewer facility. Any food service establishment required to pre-treat wastewater shall install, operate, and maintain an adequately sized grease interceptor, approved by the building official, necessary to maintain compliance with the objectives of this chapter.
- (b) Grease interceptor sizing, type, and capacity and installation shall conform to the current edition of the California Plumbing Code and be approved by the building official. Grease interceptors shall be constructed in accordance with the design approved by the building official and shall have a minimum of two compartments with fittings designed for grease retention and a sample box.
- (c) The grease interceptor shall be installed at an exterior location where it shall be at all times easily accessible for inspection, cleaning, and removal of accumulated grease.

- (d) Access manholes, with a minimum diameter of twenty-four inches, shall be provided over each grease interceptor chamber and sanitary tee. The access manholes shall extend at least to finished grade and be designed and maintained to prevent water inflow or infiltration. The manholes shall also have readily removable covers to facilitate inspection, grease removal and wastewater sampling activities.
- (e) Grease interceptors shall be maintained in efficient operating condition by periodic removal of the full content of the interceptor which includes wastewater, accumulated FOG, floating materials, sludge and solids.
- (f) All existing and newly installed grease interceptors shall be maintained in a manner consistent with a maintenance frequency approved by the building official pursuant to this section.
- (g) FOG that has accumulated in a grease interceptor shall not be allowed to pass into any sewer lateral, sewer system, storm drain, or public right-of-way.
- (h) Food service establishment operators with grease interceptors may be required to submit data and information necessary to establish the maintenance frequency of grease interceptors.
- (i) The maintenance frequency for all food service establishments with a grease interceptor shall be determined in one of the following methods:
 - (1) Grease interceptors shall be fully pumped out and cleaned at a frequency such that the combined FOG and solids accumulation does not exceed twenty-five percent of the total liquid depth of the grease interceptor. This is to ensure that the minimum hydraulic retention time and required available volume is maintained to effectively intercept and retain FOG discharged to the sewer system.
 - (2) All food service establishments with a grease interceptor shall maintain their grease interceptor not less than every six months. Grease interceptors shall be fully pumped out and cleaned quarterly when the frequency described in subsection (i)(1) of this section has not been established. The maintenance frequency shall be adjusted when sufficient data have been obtained to establish an average frequency based on the requirements described in subsection (i)(1) of this section and guidelines adopted pursuant to the FOG control program. The city may change the maintenance frequency at any time to reflect changes in actual operating conditions in accordance with the FOG control program. Based on the actual generation of FOG from the food service establishment, the maintenance frequency may increase or decrease.
 - (3) If the grease interceptor, at any time, contains FOG and solids accumulation that does not meet the requirements described in subsection (i)(1) of this section, the food service establishment operator shall be required to have the grease interceptor serviced immediately such that all fats, oils, grease, sludge, and other materials are completely removed from the grease interceptor. If deemed necessary, the building official may also increase the maintenance frequency of the grease interceptor from the current frequency.

(Ord. 1682 § 2 (part), 2006)

15.28.137 Grease trap requirements.

- (a) Food service establishment operators may be required to install grease traps in the waste line leading from drains, sink, and other fixtures or equipment where grease may be introduced into the sewer system in quantities that can cause blockage. Grease traps have limited effect and should only be used in those cases where the use of a grease interceptor or other grease control device is determined to be impossible or impractical.
- (b) Prior to receiving a plumbing permit from the city, an applicant shall submit to the building official a stamped and signed copy of installation plans indicating that the Riverside County health department has approved the grease trap location.
- (c) Sizing and installation of grease traps shall conform to the current edition of the California Plumbing Code.
- (d) Grease traps shall be maintained in efficient operating conditions by removing accumulated grease at a frequency approved by the building official.
- (e) Grease traps shall be maintained free of all food residues and any FOG waste removed during the cleaning and scraping process.
- (f) Grease traps shall be inspected periodically to check for leaking seams and pipes, and for effective operation of the baffles and flow-regulating device. Grease traps and their baffles shall be maintained free of all caked-on FOG and waste. Removable baffles shall be removed and cleaned during the maintenance process.
- (g) Dishwashers and food grinder units shall not be connected to or discharged into any grease trap. (Ord. 1682 § 2 (part), 2006)

15.28.138 Monitoring facilities requirements.

- (a) The building official may require the food service establishments to construct and maintain in proper operating condition at the food service establishment's sole expense, flow monitoring, constituent monitoring and/or sampling facilities.
- (b) The location of the monitoring or metering facilities shall be subject to approval by the building official.
- (c) Food service establishments may be required to provide immediate, clear, safe and uninterrupted access to the building official to the food service establishment's monitoring and metering facilities.
- (d) Food service establishments may also be required by the building official to submit waste analysis plans, contingency plans, and meet other necessary requirements to ensure proper operation and maintenance of the grease control device and compliance with this chapter.
- (e) No food service establishment shall increase the use of water or in any other manner attempt to dilute a discharge as a partial or complete substitute for treatment to achieve compliance with this chapter and the FOG wastewater discharge permit. (Ord. 1682 § 2 (part), 2006)

15.28.139 Inspection and sampling conditions.

- (a) The building official may inspect or order the inspection and sample the wastewater discharges of any food service establishment to ascertain compliance with this chapter. The owner shall allow the city access to the food service establishment premises, during normal business hours, for purposes of inspecting the food service establishment's grease control devices or interceptor, reviewing the manifests, receipts and invoices relating to the cleaning, maintenance and inspection of the grease control devices.
- (b) Prior to commencing any inspection as authorized in this section, the building official shall obtain either the consent of the owner or occupant of the property or shall obtain an administrative inspection warrant or criminal search warrant.
- (c) The building official may enter property to investigate the source of any discharge to any public street, inlet, gutter, storm drain or the stormwater drainage system located within the jurisdiction of the city.
- (d) The building official may inspect property for the purpose of verifying compliance with this chapter, including but not limited to:
 - (1) Identifying products produced, processes conducted, chemicals used and materials stored on or contained within the property;
 - (2) Identifying point(s) of discharge of all wastewater, process water systems and pollutants;
 - (3) Investigating the natural slope at the location, including drainage patterns and manmade conveyance systems;
 - (4) Establishing the location of all points of discharge from the property, whether by sewer system, surface runoff or through a storm drain system;
 - (5) Locating any illicit connection or the source of prohibited discharge;
 - (6) Evaluating compliance with any permit issued pursuant to this chapter.
- (e) The building official may inspect all records of the owner or occupant of property relating to FOG best management practices to include related chemicals or processes presently or previously occurring on-site, facilities maps or schematics and diagrams, pumping and/or grease hauler manifests or receipts pollution prevention plans, monitoring program plans and any other record(s) relating to unauthorized connections, prohibited discharges, or any other source of contribution or potential contribution of pollutants to the stormwater drainage system.
- (f) The building official may inspect, sample, and test any area runoff, soils area (including groundwater testing), process discharge, materials within any waste storage area (including any container contents), and/or treatment system discharge for the purpose of determining the potential for contribution of pollutants to the stormwater drainage system. The authorized building official may investigate the integrity of all storm drain and sanitary sewer systems, any legal nonconforming connection or other pipelines on the property using appropriate tests, including but not limited to smoke and dye tests or video surveys. The authorized building official may take photographs or videotape, make measurements or drawings, and create any other record reasonably necessary to document conditions on the property. (Ord. 1682 § 2 (part), 2006)

15.28.140 Standards for methods of testing.

In administering the provisions of this chapter and in determining compliance therewith, all measurements, tests and analyses of the characteristics of waters and wastes shall be determined in accordance with the most recent available edition

and supplements of “Standard Methods for the Examination of Water and Waste Water” published by the American Public Health Association, American Waterworks Association, and the Water Pollution Control Federation. (Ord. 1682 § 2 (part), 2006)

15.28.150 Special agreement to accept sewage.

No provision contained in this chapter shall be construed as preventing any special agreement or arrangement between the city and any industrial concern whereby an industrial waste of unusual strength or character may be accepted by the city for treatment, subject to payment of a fee by the industrial concern to defray the cost to the city of treating such industrial waste. In the event of conflict between the provisions of any such agreement or arrangement, and the provisions hereof, the former shall prevail. (Ord. 1682 § 2 (part), 2006)

15.28.160 Tampering with sewers.

No person shall maliciously, or without authority, wilfully or carelessly break, damage, destroy, uncover, deface or tamper with any structure, appurtenance or equipment which is a part of the municipal sewage works. (Ord. 1682 § 2 (part), 2006)

15.28.170 Sewer system overflows—Public nuisance—Abatement.

Food service establishments which have contributed to a sewer blockage, SSO, or any sewer system interference resulting from the discharge of wastewater or waste containing FOG, shall install, operate and maintain a grease interceptor, and may be required to abate such nuisance and prevent any future health hazards created by such sewer line blockage, SSO or any other sewer system interference. SSOs may threaten or cause injury to public health, safety and welfare and are declared to be a public nuisance. Furthermore, sewer lateral failures and SSOs caused by food service establishments, alone or collectively, are the responsibility of the private property owner and food service establishment, and their respective responsible officers and/or owners. If, either at the request of a food service establishment or to abate an immediate threat of injury to the public health, safety, welfare or property, the building official acts to contain and/or clean up an SSO or the blockage of a sewer lateral or the sewer system caused by a food service establishment, the city’s costs for such abatement shall be entirely borne by the property owner, operator of the food service establishment, and their respective responsible officers and/or owners, and each of them, and shall constitute a debt to the city and become due and payable upon the city’s request for reimbursement of such costs. (Ord. 1682 § 2 (part), 2006)

15.28.180 Notification of spill.

- (a) When material discharged to the sewer has the potential to cause or result in sewer blockages or SSOs, the discharger shall immediately notify the local health department, county, and the city.
- (b) Confirmation of this notification shall be made in writing to the building official no later than five working days from the date of the incident. The written notification shall state the date of the incident, the reasons for the discharge or spill, what steps were taken to immediately correct the problem, and what steps are being taken to prevent the problem from recurring.
- (c) Such notification shall not relieve the discharger of any expense, loss, damage or other liability which may be incurred as a result of damage or loss to the city or any other damage or loss to person or property; nor shall such notification relieve the discharger of any fees or other liability which may be imposed by this chapter or other applicable law. (Ord. 1682 § 2 (part), 2006)

15.28.190 Costs of abatement.

Pursuant to Health and Safety Code Section 6523.3, the city is entitled to recover its costs incurred in taking any action to correct a violation of this chapter. Such costs shall be added to any sewer service charge payable by any person violating this chapter. The city shall have such remedies for the collection of such costs as it has for the collection of sewer service charges. (Ord. 1682 § 2 (part), 2006)

Appendix D – Ordinance No. 1682, City of Palm Springs

ORDINANCE NO. 1682

AN ORDINANCE OF THE CITY OF PALM SPRINGS, CALIFORNIA, AMENDING CHAPTER 15.28 OF THE PALM SPRINGS MUNICIPAL CODE, RELATING TO SEWER USE REGULATIONS, INCLUDING THE ADOPTION OF FATS, OILS, AND GREASE CONTROL REGULATIONS APPLICABLE TO FOOD SERVICE ESTABLISHMENTS.

City Attorney's Summary

This Ordinance amends the City's existing sewer use regulations to include regulations applicable to food service establishments, including restaurants and cafeterias, to limit fats, oils, and grease from entering the private and public sewer system, prevent sewer system overflows, establish best management practices, and provide for penalties and enforcement options.

The City Council of the City of Palm Springs finds:

A. Pursuant to Const. art. XI, § 3, Const. art. XI, § 5, Const. art. XI, § 7, Govt. Code §§ 38900 – 38902, and Health & Safety Code §§ 5470 - 5474.10, the City of Palm Springs has the authority to adopt ordinances relating to the provision of sewer services and facilities, as well as the authority to adopt regulations of those services and facilities.

B. Sanitary sewer overflows (“SSOs”) often caused by discharge of wastewater containing high levels of fat, oils and grease (“FOG”), suspended solids, pathogenic organisms, and other pollutants, may result in the temporary failure to meet applicable water quality objectives, pose a threat to the public health, adversely affect aquatic life, and impair the public recreational use and aesthetic enjoyment of surface waters within the City's service area.

C. FOG is a primary cause of SSOs, the City desires to implement a FOG Control Program to prevent SSOs and the implementation of the FOG Control Program provided in this Chapter will significantly help to prevent the harmful effects of SSOs.

D. In light of the overwhelming evidence that FOG is a primary cause of SSOs, the City Council desires to implement a FOG Control Program to prevent SSOs.

E. Section 1014 of the 2001 California Plumbing Code, applicable to all occupancies in the State pursuant to the California Building Standards Law, requires the installation of grease traps or interceptors when waste pretreatment is required, in the opinion of the Building Official.

F. The regulations adopted in this Ordinance will require existing Food Service Establishments to engage in effective best management practices or install grease control devices or interceptors.

G. The regulations adopted in this Ordinance are intended to apply to all Food Service Establishments located within the City of Palm Springs and discharge directly or indirectly into the City's sewer system,

H. The City Council finds that specific enforcement provisions must be adopted to govern discharges of wastewater to the City's system by Food Service Establishments.

THE CITY COUNCIL OF THE CITY OF PALM SPRINGS DOES HEREBY ORDAIN AS FOLLOWS:

Section 1. Section 11.72.106 is added to the Palm Springs Municipal Code to read:

11.72.106 Sewer Discharge Violations.

Any condition in violation of Chapter 15.28 of this Code, including but not limited to the maintenance or use of any illicit connection or the occurrence of any prohibited discharge, shall constitute a threat to the public health, safety, and welfare, and is declared and deemed a nuisance pursuant to Government Code section 38771.

Section 2. Chapter 15.28 of the Palm Springs Municipal Code is amended in its entirety to read:

Chapter 15.28

Sewer Use Regulations

Sections:

| | |
|-----------|---|
| 15.28.005 | Purpose and Policy |
| 15.28.006 | Definitions |
| 15.28.010 | Dumping of Objectionable Waste |
| 15.28.020 | Discharge of Polluted Waters |
| 15.28.030 | Dumping Sewage into City System - Application for permit -Fee |
| 15.28.040 | Improper Effluents for Sanitary Sewers |
| 15.28.050 | Unpolluted Drainage |
| 15.28.060 | Unpolluted Industrial Water |
| 15.28.070 | Prohibited and Regulated Wastes |
| 15.28.080 | Compliance with Preliminary Treatment Requirements |
| 15.28.090 | Compliance with Other Requirements and Regulations |
| 15.28.100 | Approval of Plans for Preliminary Treatment |
| 15.28.110 | Maintenance of Preliminary Treatment Facilities |
| 15.28.120 | Building Manhole |
| 15.28.130 | Place for Sampling |
| 15.28.131 | Specific Prohibitions |
| 15.28.132 | Best Management Practices Required |
| 15.28.133 | FOG Pretreatment Best Management Practices |
| 15.28.134 | Commercial Properties |
| 15.28.135 | Drawing Submittal Requirements |

| | |
|-----------|--|
| 15.28.136 | Grease Interceptor Requirements |
| 15.28.137 | Grease Trap Requirements |
| 15.28.138 | Monitoring Facilities Requirements |
| 15.28.139 | Inspection and Sampling Conditions |
| 15.28.140 | Standards for Methods of Testing |
| 15.28.150 | Special Agreement to Accept Sewage |
| 15.28.160 | Tampering with Sewers |
| 15.28.170 | Sewer System Overflows, Public Nuisance, Abatement |
| 15.28.180 | Notification of Spill |
| 15.28.190 | Costs of Abatement |

15.28.005 Purpose and Policy

A. The purpose of this Chapter is to facilitate the maximum beneficial public use of the sewer services and facilities in the City while preventing blockages of the sewer lines resulting from prohibited or objectionable waste discharges into the sewer facilities, and to specify appropriate FOG discharge requirements for Food Service Establishments. In furtherance of these general purposes, this Chapter is intended to:

1. Establish the appropriate authority for the City to condition or deny discharges to the sewer system.
2. Prevent the introduction of excessive amounts of grease into the sewer system.
3. Prevent the clogging or blocking of the sewer lines due to grease build up causing backup and flooding of streets, residences, and commercial buildings.
4. Implement procedures to recover the costs incurred in cleaning and maintenance of sewer lines and the proper disposal of grease blockages.
5. Implement a procedure to recover the costs for any liability incurred by the City for damage caused by grease blockages resulting from flooding or streets, residences, or commercial buildings.
6. Establish the authority for the City to monitor, sample, and inspect grease traps and interceptors.

B. This Chapter shall be interpreted in accordance with the definitions set forth in Section 15.28.006. The provisions of this Chapter shall apply to the direct or indirect discharge of all prohibited and objectionable wastewater or waste, including wastewater and waster containing FOG, carried to the sewer facilities of the City.

C. This Chapter establishes quantity and quality standards on all wastewater and/or waste discharges which may cause or contribute to accumulation in the Sewer System causing or potentially causing or contributing to the occurrence of SSOs.

15.28.006 Definitions

A. Unless otherwise defined herein, terms related to water quality shall be as adopted in the latest edition of Standard Methods for Examination of Water and Wastewater, published by the American Public Health Association, the American Water Works Association and the Water Environment Federation. The testing procedures for waste constituents and characteristics shall be as provided in 40 CFR 136 (Code of Federal Regulations). Other terms not herein specifically defined shall have the same definition as set forth in the latest adopted editions of the California Codes of Regulations applicable to building construction adopted pursuant to the California Building Standards Law.

B. Subject to the foregoing provisions, the following definitions shall apply in this Chapter:

“Best Management Practices” means schedules of activities, prohibitions of practices, maintenance procedures, installation of equipment, and other management practices to control and limit the introduction of prohibited or objectionable discharges, including FOG, into Sewer Facilities.

“Building Official” means the Director of the Building and Safety Department of the City or the designee of the Director of the Building and Safety Department.

“Change in Operations” means any change in the ownership, food types, or operational procedures that have the potential to increase the amount of FOG generated and/or discharged by Food Service Establishments in an amount that alone or collectively causes or creates a potential for SSOs to occur.

“Composite Sample” means a collection of individual samples obtained at selected intervals based on an increment of either flow or time. The resulting mixture (composite sample) forms a representative sample of the waste stream discharged during the sample period. Samples will be collected when a wastewater discharge occurs.

“Discharger” or “User” means any person who discharges or causes a discharge of wastewater directly or indirectly to a Sewer Facility and/or stormwater drain system.

“Effluent” means any liquid outflow from the Food Service Establishment that is discharged.

“Fats, Oils, and Grease” or “FOG” means any substance such as a vegetable or animal product that is used in, or is a by-product of, the cooking or food preparation process, and that turns or may turn viscous or solidifies with a change in temperature or other conditions.

“Food Service Establishment” or “FSE” means facilities defined in California Uniform Retail Food Facilities Law (CURFFL), California Health and Safety Code Section 113785 *et seq.*, as amended from time to time, and any commercial entity within the boundaries of the City, operating in a permanently constructed structure such as a room, building, or place, or portion thereof, maintained, used, or operated for the purpose of storing, preparing,

serving, or manufacturing, packaging, or otherwise handling food for sale to other entities, or for consumption by the public, its members or employees, and which has any process or device that uses or produces FOG, or grease vapors, steam, fumes, smoke or odors that are required to be removed by a Type I or Type II hood, as defined in CURFFL Section 113785. A Limited Food Preparation Establishment is not considered a Food Service Establishment.

“Food Grinder” means any device, including garbage disposal devices, installed in the plumbing or sewage system for the purpose of grinding food waste or food preparation by-products for the purpose of discharging it into the Sewer System.

“Grease Control Device” means any grease interceptor, grease trap, or other mechanism, device, or process, which attaches to, or is applied to, wastewater plumbing fixtures and lines, the purpose of which is to trap or collect or treat FOG prior to it being discharged into the sewer system. “Grease control device” may also include any other proven method to reduce FOG subject to the approval of the Building Official.

“Grease Interceptor” or “Interceptor” means a multi-compartment device that is constructed in different sizes and is generally required to be located, according to the California Plumbing Code, underground between a Food Service Establishment and the connection to the sewer system. These devices primarily use gravity to separate FOG from the wastewater as it moves from one compartment to the next. These devices shall have at least one accessible inspection hatch and must be cleaned, maintained, and have the FOG removed and disposed of in a proper manner on regular intervals to ensure effective and efficient operation.

“Grease Trap” means a grease control device, including at least one removable lid for access, inspection, and maintenance, that is used to serve individual fixtures, including by way of example sinks, and is designed to remove or trap fats, oils, and grease while allowing the balance of the waste to discharge to the sewer system by gravity.

“Grab Sample” means a sample taken from a waste stream on a one-time basis without regard to the flow in the waste stream and without consideration of time.

“Hot Spots” means areas in sewer lines that have experienced sanitary sewer overflows resulting in the need for frequent maintenance and cleaning.

“Infiltration” means water entering a sewer system, including sewer service connections, from the ground through such means as defective pipes, pipe joints, connections, or manhole walls.

“Interference” means any discharge which, alone or in conjunction with discharges from other sources, inhibits or disrupts the City’s sewer system, treatment processes, or operations; or is a cause of violation of any law or regulation, or prevents lawful sludge use or disposal.

“Limited Food Preparation Establishment” means any commercial entity engaged only in reheating, hot holding, or assembly of ready to eat food products and as a result, there is no wastewater discharge containing a significant amount of FOG. A Limited Food Preparation Establishment does not include any operation that changes the form, flavor, or consistency of food.

“Manifest” means that receipt which is retained by the generator of wastes for disposing recyclable wastes or liquid wastes as required by the City.

“New Construction” means any structure planned or under construction for which a sewer connection permit has not been issued as of October 1, 2005.

“Person” means any individual, partnership, firm, association, corporation, entity, or public agency, including the State of California and the United States of America.

“Prohibited Discharge” means any discharge which contains any pollutant from public or private property

“Public Agency” means the State of California and/or any city, county, special district, other local governmental authority or public body of or within this State.

“Regulatory Agency” means those agencies having regulatory jurisdiction over the operations of the City.

“Remodeling” means a physical change or operational change causing generation of the amount of FOG that exceed the current amount of FOG discharge to the sewer system by the Food Service Establishment in an amount that alone or collectively causes or creates a potential for SSOs to occur; or exceeding a cost of \$50,000 to a Food Service Establishment that requires a building permit, and involves any one or combination of the following: (1) Under slab plumbing in the food processing area, (2) a 30% increase in the net public seating area, (3) a 30% increase in the size of the kitchen area, or (4) any change in the size or type of food preparation equipment.

“Sample Point” means a location approved by the Building Official, from which wastewater can be collected that is representative in content and consistency of the entire flow of wastewater being sampled.

“Sampling Facilities” means a structure or structures provided at the user’s expense for the City or user to measure and record wastewater constituent mass, concentrations, collect a representative sample, or provide access to plug or terminate the discharge.

“Sewer Facility or System” means any property belonging to the City or other Public Agency used in the treatment, reclamation, reuse, transportation, or disposal of wastewater, or any tributary thereto.

“Sewer System Overflow” or “SSO” means each instance of a discharge of sewage from a sanitary sewer system.

“Sewer Lateral” means a building sewer as defined in the latest edition of the California Plumbing Code. It is the wastewater connection between the building’s wastewater facilities and the Sewer System or a Sewer Facility.

“Sludge” means any solid, semi-solid, or liquid decant, subnate, or supernate from a manufacturing process, utility service, or pretreatment facility.

“Stormwater Drainage System” means street gutter, channel, storm drain, constructed drain, lined diversion structure, wash area, inlet, outlet, or other facility, which is part of or tributary to the City’s stormwater runoff system and used for the purpose of collecting, storing, transporting, or disposing of stormwater.

“Waste” means sewage and any and all other waste substances, liquid, solid, gaseous or radioactive, associated with human habitation or of human or animal nature, including such wastes placed within containers of whatever nature prior to and for the purpose of disposal.

“Waste Minimization Practices” means plans or programs intended to reduce or eliminate discharges to the sewer system or to conserve water, including, but not limited to, product substitutions, housekeeping practices, inventory control, employee education, and other steps as necessary to minimize wastewater produced.

“Waste Hauler” means any person carrying on or engaging in vehicular transport of waste as part of, or incidental to, any business for that purpose.

“Wastewater” means the liquid and water-carried wastes of the community and all constituents thereof, whether treated or untreated, discharged into or permitted to enter a Sewer Facility.

“Wastewater Constituents and Characteristics” means the individual chemical, physical, bacteriological, and other parameters, including volume and flow rate and such other parameters that serve to define, classify, or measure the quality and quantity of wastewater.

15.28.010 Dumping of Objectionable Waste

No person shall place, deposit or permit to be deposited upon public or private property within this city, or in any area under the jurisdiction of this city, any human or animal excrement, garbage or other objectionable waste, in a manner that would be a danger to the public health or welfare.

15.28.020 Discharge of Polluted Waters

No person shall discharge to any natural outlet within this city, or in any area under the jurisdiction of this city, any sanitary sewage, industrial wastes, or other polluted waters,

except where suitable treatment has been provided in accordance with subsequent provisions of this title.

15.28.030 Dumping Sewage into City System — Application for permit —Fee

No person shall dump sewage into the City's sewerage system unless a permit therefor has been applied for and issued by the Building Official. No permit therefor shall be issued unless the application for such permit is accompanied by a fee, the amount of which shall be fixed from time to time by resolution of the City Council.

15.28.040 Improper Effluents for Sanitary Sewers

No person shall discharge or cause to be discharged any stormwater, surface water, groundwater, roof runoff, subsurface drainage, cooling water, or unpolluted industrial process waters to any sanitary sewer.

15.28.050 Unpolluted Drainage

Stormwater and all other unpolluted drainage shall be discharged to such sewers as are specifically designated as storm sewers, or to an approved natural outlet.

15.28.060 Unpolluted Industrial Water

Industrial cooling water or unpolluted process waters may be discharged, upon approval of the Director of Public Works, to a storm sewer or natural outlet.

15.28.070 Prohibited and Regulated Wastes

A. Except as hereinafter provided, no person shall discharge or cause to be discharged any of the following described waters or wastes to any Sewer Facility or into any (i) the stormwater drainage system; (ii) any upstream flow, which is tributary to the stormwater drain system; or (iii) any groundwater, river, stream, creek, wash or dry weather arroyo, wetlands area, or marsh.:

1. Hot Fluids.
Any liquid or vapor having a temperature higher than one hundred fifty degrees Fahrenheit;
2. FOG.
Any water or waste which may contain more than one hundred parts per million, by weight, of fat, oil or grease;
3. Flammables, Explosives.
Any gasoline, benzine, naphtha, fuel oil or other flammable or explosive liquid, solid or gas;
4. Solids—Viscous Substances.

Any ashes, cinders, sand and straw, shavings, metal, glass, feathers, tar, plastics, wood, paunch manure, or any other solid or viscous substance capable of causing obstruction to the flow in sewers or other interference with the proper operation of the sewage works;

5. Deficient or Excessive pH.

Any waters or wastes having a pH lower than 5.5, higher than 9.0 or having any other corrosive property capable of causing damage or hazard to structures, equipment and personnel of the sewage works;

6. Poison.

Any waters or wastes containing a toxic or poisonous substance in sufficient quantity to injure or interfere with any sewage treatment process, constitute a hazard to humans or animals, or create any hazard in the receiving waters of the waste treatment plant;

7. Suspended Solids.

Any waters or wastes containing suspended solids of such character and quantity that unusual attention or expense is required to handle such materials at the waste treatment plant;

8. Noxious Effluvium.

Any noxious or malodorous gas or substance capable of creating a public nuisance.

B. No Person shall operate a Food Service Establishment so as to discharge or cause to be discharged into the Sewer System FOG that: (1) exceeds the concentration level provided in Section 15.28.070 A-2; or, (2) may accumulate and/or cause or contribute to blockages in the Sewer Facility or at the sewer system lateral which connects the Food Service Establishment to the sewer system.

C. No person shall, without prior approval obtained from the Director of Public Works, or his authorized representative, introduce, or cause the admission, into any Sewer Facility, of any waters or wastes having:

1. Excessive Oxygen Demand.

A five-day biochemical oxygen demand greater than three hundred parts per million by weight; or

2. Suspended solids containing more than three hundred fifty parts per million by weight of suspended solids; or

3. Restricted wastes containing any quantity of substances having the characteristics described in Subsection A of this Section.

D. Where necessary in the opinion of the Director of Public Works, the owner shall provide, at his expense, such preliminary treatment as may be necessary to obtain:

1. Reduction of Oxygen Demand.

Reduction of the biochemical oxygen demand to three hundred parts per million and the suspended solids to three hundred fifty parts per million by weight; or

2. Reduction of Objectionable Feature.
Reduction of objectionable characteristics or constituents to within the maximum limits provided for in Subsection A of this Section.
3. Control of Flow.
Control of the quantities and rates of discharge of such waters or wastes.

15.28.080 Compliance with Preliminary Treatment Requirements

No person who has been notified of the necessity of preliminary treatment described in Section 15.28.070 shall thereafter discharge into any Sewer Facility any water, waste, or sewage which has not been given such prescribed preliminary treatment.

15.28.090 Compliance with Other Requirements and Regulations

No person shall discharge into any Sewer Facility any water waste or sewage, or otherwise use the Sewer System, unless Sections 15.28.100 through 15.28.139 have been complied with.

15.28.100 Approval of Plans for Preliminary Treatment

Plans, specifications, and other pertinent information relating to proposed preliminary treatment facilities shall be submitted for the approval of the Director of Public Works. No construction of such facilities shall be commenced until said approval is obtained in writing.

15.28.110 Maintenance of Preliminary Treatment Facilities

Where preliminary treatment facilities are provided for any waters or wastes, they shall be maintained continuously in a satisfactory and effective manner, by the owner at his expense.

15.28.120 Building Manhole

When required by the Director of Public Works, the owner of any property served by a building sewer carrying industrial wastes shall install a suitable manhole in the building sewer to facilitate observation, sampling and measurement of the wastes prior to discharge into the Sewer Facility. Such manhole, when required, shall be accessible and safely located, and shall be constructed in accordance with plans approved by the Director of Public Works. The manhole shall be installed by the owner at his expense, and shall be maintained by him so as to be safe and accessible at all times.

15.28.130 Place for Sampling

In the event that no special manhole has been required, the control manhole shall be considered to be the nearest downstream manhole in the Sewer System from the building sewer.

15.28.131 Specific Prohibitions

Each Person operating a Food Service Establishment shall not:

- A. Install food grinders in the plumbing system of new construction of Food Service Establishments. All food grinders shall be removed from all existing Food Service Establishments on or before January 2, 2007, unless the Building Official has authorized the food grinder to remain.
- B. Introduce any additives into a Food Service Establishment's wastewater system for the purpose of emulsifying FOG, unless otherwise permitted by specific written authorization of the Building Official.
- C. Dispose waste cooking oil into sewer or drainage pipes. All waste cooking oils shall be collected and stored properly in receptacles such as barrels or drums for recycling or other acceptable methods of disposal.
- D. Discharge wastewater from dishwashers to any grease interceptor.
- E. Discharge wastewater with temperatures in excess of 140°F to any grease control device.
- F. Introduce biological additives for grease remediation or as a supplement to grease control device maintenance without prior authorization from the Building Official.
- G. Discharge wastes from toilets, urinals, washbasins, and other fixtures containing fecal materials to sewer lines intended for grease control device service, or vice versa.
- H. Discharge any waste, including FOG and solid materials removed from the grease control device, to the sewer system. Grease removed from grease control devices shall be waste hauled periodically as part of the operation and maintenance requirements for grease interceptors and traps.

15.28.132 Best Management Practices Required

Any Person operating a Food Services Establishment shall implement Best Management Practices as prescribed in this Chapter for the purpose of controlling and limiting the discharge of FOG to the Sewer System.

15.28.133 FOG Pretreatment Best Management Practices

Any Person operating a Food Service Establishment, or a property owner of a parcel containing multiple FSEs, may be required to install, operate, and maintain an approved type and adequately sized grease interceptor in accordance with the provisions of this section. The grease interceptor shall be adequate to separate and remove FOG contained in wastewater discharges from Food Service Establishments prior to discharge to the Sewer System. Fixtures, equipment, and drain lines located in the food preparation and

clean up areas of Food Service Establishments that are sources of FOG discharges except for dish washing machines shall be connected to the grease interceptor. Compliance shall be established as follows:

A. New Construction of Food Service Establishments

New construction of Food Service Establishments shall include the installation of grease interceptors of a type and capacity approved by the Building Official prior to commencing discharges of wastewater to the Sewer System.

B. Existing Food Service Establishments/Commercial Properties

Existing FSE operators, or property owners with multiple FSEs, shall install a grease control device where the Building Official has found and determined that a FSE has been responsible for, or otherwise contributed to, one or more SSO(s) following the enactment of this Chapter.

Where the Building Official has determined that an owner's lateral line requires cleaning to avoid an imminent threat of an SSO spill, the Building Official is authorized to issue an order to the owner to immediately clean the subject lateral line.

The Building Official shall issue his/her order in writing to the applicable party and shall designate a reasonable period of time period for corrective action.

C. Best Management Practice Requirements.

1. All Food Service Establishments shall implement best management practices in accordance with the requirements and guidelines established in this Chapter and as may be established by the Building Official in an effort to minimize the discharge of FOG to the Sewer System.

2. All Food Service Establishments shall be required, at a minimum, to comply with the following Best Management Practices:

- (a) Installation of drain screens. Drain screens shall be installed on all drainage pipes in food preparation areas.
- (b) Segregation and collection of waste cooking oil. All waste cooking oil shall be collected and stored properly in recycling receptacles such as barrels or drums. Such recycling receptacles shall be maintained properly to ensure that they do not leak. Food Service Establishments shall use licensed waste haulers and licensed recycling facilities to dispose of waste cooking oil.
- (c) Disposal of food waste. All food waste shall be disposed of directly into the trash or garbage, and not in sinks.

(d) Employee training. Employees of Food Service Establishments shall be trained by ownership/management, upon commencement of employment at least annually thereafter, on the following subjects:

- (i) How to “dry wipe” pots, pans, dishware and work areas before washing to remove grease.
- (ii) How to properly dispose of food waste and solids in enclosed plastic bags prior to disposal in trash bins or containers to prevent leaking and odors.
- (iii) The location and use of absorption products to clean under fryer baskets and other locations where grease may be spilled or dripped.
- (iv) How to properly dispose of grease or oils from cooking equipment into a grease receptacle such as a barrel or drum without spilling.

Training shall be documented and employee signatures retained indicating each employee's attendance and understanding of the practices reviewed. Training records shall be available for review at any reasonable time by the Building Official.

(e) Kitchen signage. Best management and waste minimization practices shall be posted conspicuously in the food preparation and dishwashing areas at all times.

(f) Food Grinders. Food Grinders shall immediately be removed from the FSEs plumbing system to prevent the discharge of food debris into the FSEs sewer drain system. This requirement will lead to controlling and limiting the introduction of FOG into the City's Sewer System.

(g) Odors. Grease Trap Devices shall be installed and maintained so as to prevent odors, cross-contamination. Sewer back-ups, or SSOs.

(h) Containers. Grease rendering containers shall be installed and properly maintained.

(i) Record Keeping. Document record keeping shall be maintained and shall include: 1) employee training records; 2) grease control device (trap or interceptor) maintenance and cleaning records; 3) on property SSO records; 4) plumbing maintenance records; 5) rendering grease disposal records; 6) name and contact information of waste hauler; and 7) disposal site. Documents consist of, but are not limited to logs, records, letters, blue prints, equipment specification and operation, receipts, and manifests. Such records are deemed to be environmental records and shall be retained for a minimum of 5 years.

15.28.134 Commercial Properties

Property owners of commercial properties or their official designee(s) shall be responsible for the installation and maintenance of the grease interceptor serving multiple Food Service Establishments that are located on a single parcel.

15.28.135 Drawing Submittal Requirements

A. Operators of Food Service Establishments may be required to submit two copies of facility site plans, mechanical and plumbing plans, and details to show all sewer locations and connections. The submittal shall be in a form and content acceptable to the Building Official for review of existing or proposed grease control device, grease interceptor, monitoring facilities, metering facilities, and operating procedures. The review of the plans and procedures shall in no way relieve the Food Service Establishments of the responsibility of modifying the facilities or procedures in the future, as necessary to produce an acceptable discharge, and to meet the requirements of this Chapter or any requirements of other Regulatory Agencies; and a schematic drawing of the FOG control device, grease interceptor or other pretreatment equipment, piping, and instrumentation diagram, and wastewater characterization report.

B. The City may require the drawings be prepared by a California Registered Mechanical Engineer.

15.28.136 Grease Interceptor Requirements

A. Food Service Establishment operators shall provide wastewater acceptable to the City, under the requirements and standards established herein before discharging to any Sewer Facility. Any Food Service Establishment required to pre-treat wastewater shall install, operate, and maintain an adequately sized grease interceptor, approved by the Building Official, necessary to maintain compliance with the objectives of this Chapter.

B. Grease interceptor sizing, type, and capacity and installation shall conform to the current edition of the California Plumbing Code and be approved by the Building Official. Grease interceptors shall be constructed in accordance with the design approved by the Building Official and shall have a minimum of two compartments with fittings designed for grease retention and a sample box..

C. The grease interceptor shall be installed at an exterior location where it shall be at all times easily accessible for inspection, cleaning, and removal of accumulated grease.

D. Access manholes, with a minimum diameter of 24 inches, shall be provided over each grease interceptor chamber and sanitary tee. The access manholes shall extend at least to finished grade and be designed and maintained to prevent water inflow or infiltration. The manholes shall also have readily removable covers to facilitate inspection, grease removal, and wastewater sampling activities.

E. Grease Interceptors shall be maintained in efficient operating condition by periodic removal of the full content of the interceptor which includes wastewater, accumulated FOG, floating materials, sludge and solids.

F. All existing and newly installed grease interceptors shall be maintained in a manner consistent with a maintenance frequency approved by the Building Official pursuant to this section.

G. FOG that has accumulated in a grease interceptor shall not be allowed to pass into any sewer lateral, Sewer System, storm drain, or public right of way.

H. Food Service Establishment operators with grease interceptors may be required to submit data and information necessary to establish the maintenance frequency of grease interceptors.

I. The maintenance frequency for all Food Service Establishments with a grease interceptor shall be determined in one of the following methods:

1. Grease interceptors shall be fully pumped out and cleaned at a frequency such that the combined FOG and solids accumulation does not exceed 25% of the total liquid depth of the grease interceptor. This is to ensure that the minimum hydraulic retention time and required available volume is maintained to effectively intercept and retain FOG discharged to the Sewer System.

2. All Food Service Establishments with a Grease Interceptor shall maintain their grease interceptor not less than every 6 months. Grease interceptors shall be fully pumped out and cleaned quarterly when the frequency described in (1) has not been established. The maintenance frequency shall be adjusted when sufficient data have been obtained to establish an average frequency based on the requirements described in (1) and guidelines adopted pursuant to the FOG Control Program. The City may change the maintenance frequency at any time to reflect changes in actual operating conditions in accordance with the FOG Control Program. Based on the actual generation of FOG from the Food Service Establishment, the maintenance frequency may increase or decrease.

3. If the grease interceptor, at any time, contains FOG and solids accumulation that does not meet the requirements described in (1), the Food Service Establishment operator shall be required to have the grease interceptor serviced immediately such that all fats, oils, grease, sludge, and other materials are completely removed from the grease interceptor. If deemed necessary, the Building Official may also increase the maintenance frequency of the grease interceptor from the current frequency.

15.28.137 Grease Trap Requirements

A. Food Service Establishment operators may be required to install grease traps in the waste line leading from drains, sink, and other fixtures or equipment where grease may be introduced into the Sewer System in quantities that can cause blockage. Grease traps

have limited effect and should only be used in those cases where the use of a grease interceptor or other grease control device is determined to be impossible or impractical.

B. Prior to receiving a plumbing permit from the City, an applicant shall submit to the Building Official a stamped and signed copy of installation plans indicating that the Riverside County Health Department has approved the grease trap location.

C. Sizing and installation of grease traps shall conform to the current edition of the California Plumbing Code.

D. Grease traps shall be maintained in efficient operating conditions by removing accumulated grease at a frequency approved by the Building Official.

E. Grease traps shall be maintained free of all food residues and any FOG waste removed during the cleaning and scraping process.

F. Grease traps shall be inspected periodically to check for leaking seams and pipes, and for effective operation of the baffles and flow-regulating device. Grease traps and their baffles shall be maintained free of all caked-on FOG and waste. Removable baffles shall be removed and cleaned during the maintenance process.

G. Dishwashers and food grinder units shall not be connected to or discharged into any grease trap.

15.28.138 Monitoring Facilities Requirements

A. The Building Official may require the Food Service Establishments to construct and maintain in proper operating condition at the Food Service Establishment's sole expense, flow monitoring, constituent monitoring and/or sampling facilities.

B. The location of the monitoring or metering facilities shall be subject to approval by the Building Official.

C. Food Service Establishments may be required to provide immediate, clear, safe and uninterrupted access to the Building Official to the Food Service Establishment's monitoring and metering facilities.

D. Food Service Establishments may also be required by the Building Official to submit waste analysis plans, contingency plans, and meet other necessary requirements to ensure proper operation and maintenance of the grease control device and compliance with this Chapter.

E. No Food Service Establishment shall increase the use of water or in any other manner attempt to dilute a discharge as a partial or complete substitute for treatment to achieve compliance with this Chapter and the FOG Wastewater Discharge Permit.

15.28.139 Inspection and Sampling Conditions

- A. The Building Official may inspect or order the inspection and sample the wastewater discharges of any Food Service Establishment to ascertain compliance with this Chapter. The owner shall allow the City access to the Food Service Establishment premises, during normal business hours, for purposes of inspecting the Food Service Establishment's grease control devices or interceptor, reviewing the manifests, receipts and invoices relating to the cleaning, maintenance and inspection of the grease control devices.
- B. Prior to commencing any inspection as authorized in this section, the Building Official shall obtain either the consent of the owner or occupant of the property or shall obtain an administrative inspection warrant or criminal search warrant.
- C. The Building Official may enter property to investigate the source of any discharge to any public street, inlet, gutter, storm drain or the stormwater drainage system located within the jurisdiction of the City.
- D. The Building Official may inspect property for the purpose of verifying compliance with this Chapter, including but not limited to (i) identifying products produced, processes conducted, chemicals used and materials stored on or contained within the property, (ii) identifying point(s) of discharge of all wastewater, process water systems and pollutants, (iii) investigating the natural slope at the location, including drainage patterns and man-made conveyance systems, (iv) establishing the location of all points of discharge from the property, whether by Sewer System, surface runoff or through a storm drain system, (v) locating any illicit connection or the source of prohibited discharge, (vi) evaluating compliance with any permit issued pursuant to Article 3 hereof.
- E. The Building Official may inspect all records of the owner or occupant of property relating to FOG Best Management Practices to include related chemicals or processes presently or previously occurring on-site, facilities maps or schematics and diagrams, pumping and/or grease hauler manifests or receipts pollution prevention plans, monitoring program plans and any other record(s) relating to unauthorized connections, prohibited discharges, or any other source of contribution or potential contribution of pollutants to the stormwater drainage system.
- F. The Building Official may inspect, sample, and test any area runoff, soils area (including groundwater testing), process discharge, materials within any waste storage area (including any container contents), and/or treatment system discharge for the purpose of determining the potential for contribution of pollutants to the stormwater drainage system. The authorized Building Official may investigate the integrity of all storm drain and sanitary Sewer Systems, any legal nonconforming connection or other pipelines on the property using appropriate tests, including but not limited to smoke and dye tests or video surveys. The authorized Building Official may take photographs or videotape, make measurements or drawings, and create any other record reasonably necessary to document conditions on the property.

15.28.140 Standards for Methods of Testing

In administering the provisions of this title and in determining compliance therewith, all measurements, tests and analyses of the characteristics of waters and wastes shall be determined in accordance with the most recent available edition and supplements of "Standard Methods For The Examination Of Water And Waste Water" published by the American Public Health Association, American Waterworks Association, and the Water Pollution Control Federation.

15.28.150 Special Agreement to Accept Sewage

No provision contained in this chapter shall be construed as preventing any special agreement or arrangement between the city and any industrial concern whereby an industrial waste of unusual strength or character may be accepted by the city for treatment, subject to payment of a fee by the industrial concern to defray the cost to the city of treating such industrial waste. In the event of conflict between the provisions of any such agreement or arrangement, and the provisions hereof, the former shall prevail.

15.28.160 Tampering with Sewers

No person shall maliciously, or without authority, wilfully or carelessly break, damage, destroy, uncover, deface or tamper with any structure, appurtenance or equipment which is a part of the municipal sewage works.

15.28.170 Sewer System Overflows, Public Nuisance, Abatement

Food Service Establishments which have contributed to a sewer blockage, SSO, or any Sewer System interference resulting from the discharge of wastewater or waste containing FOG, shall install, operate, and maintain a grease interceptor, and may be required to abate such nuisance and prevent any future health hazards created by such sewer line blockage, SSO, or any other Sewer System interference. SSOs may threaten or cause injury to public health, safety, and welfare and are hereby declared to be a public nuisance. Furthermore, sewer lateral failures and SSOs caused by Food Service Establishments, alone or collectively, are the responsibility of the private property owner and Food Service Establishment, and their respective responsible officers and/or owners. If, either at the request of a Food Service Establishment or to abate an immediate threat of injury to the public health, safety, welfare, or property, the Building Official acts to contain and/or clean up an SSO or the blockage of a sewer lateral or the Sewer System caused by a Food Service Establishment, the City's costs for such abatement shall be entirely borne by the property owner, operator of the Food Service Establishment, and their respective responsible officers and/or owners, and each of them, and shall constitute a debt to the City and become due and payable upon the City's request for reimbursement of such costs.

15.28.180 Notification of Spill

A. When material discharged to the sewer has the potential to cause or result in sewer blockages or SSOs, the discharger shall immediately notify the local Health Department, County, and the City.

B. Confirmation of this notification shall be made in writing to the Building Official no later than five (5) working days from the date of the incident. The written notification shall state the date of the incident, the reasons for the discharge or spill, what steps were taken to immediately correct the problem, and what steps are being taken to prevent the problem from recurring.

C. Such notification shall not relieve the discharger of any expense, loss, damage or other liability which may be incurred as a result of damage or loss to the City or any other damage or loss to person or property; nor shall such notification relieve the discharger of any fees or other liability which may be imposed by this Chapter or other applicable law.

15.28.190 Costs of Abatement

Pursuant to Health and Safety Code section 6523.3, the City is entitled to recover its costs incurred in taking any action to correct a violation of this Chapter. Such costs shall be added to any sewer service charge payable by any person violating this Chapter. The City shall have such remedies for the collection of such costs as it has for the collection of sewer service charges.

Section 3. A copy of this ordinance shall be filed with the California Building Standards Commission and the California Department of Housing and Community Development by the City Clerk as required by State law (Health & Safety Code Section 17958.7).


Section 4. This Ordinance shall take effect 30 days from its adoption and the City Attorney's Summary shall be published in a newspaper of general circulation as provided by law.

ADOPTED this 1st day of March, 2006



Mayor

ATTEST:



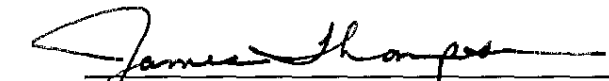
City Clerk

CERTIFICATION:

STATE OF CALIFORNIA)
COUNTY OF RIVERSIDE) ss.
CITY OF PALM SPRINGS)

I, JAMES THOMPSON, City Clerk of the City of Palm Springs, California, do hereby certify that Ordinance No. 1682 is a full, true, and correct copy, and was introduced at a regular meeting of the Palm Springs City Council on February 15, 2006, and adopted at a regular meeting of the City Council held on March 1, 2006, by the following vote:

AYES: Councilmember McCulloch, Councilmember Mills, Councilmember Pougnet,
Mayor Pro Tem Foat and Mayor Oden
NOES: None
ABSENT: None
ABSTAIN: None

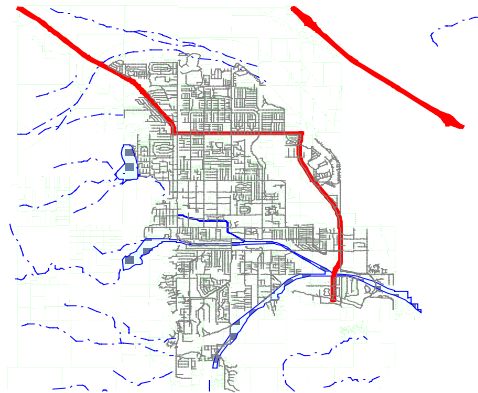


James Thompson, City Clerk
City of Palm Springs, California

Appendix E – Emergency Response Plan



SANITARY SEWER COLLECTION SYSTEM EMERGENCY RESPONSE PLAN



Prepared By

Veolia Water North America – Palm Springs

Prepared For

City of Palm Springs, Palm Springs, California

David Barakian
Director of Public Works/City Engineer

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Appendices

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Introduction

In accordance with State Water Resources Control Board (Board) Order No. 2006-003, all Federal and state agencies, municipalities, counties, districts, and other public entities that own or operate sanitary sewer systems greater than one mile in length that collect and/or convey untreated or partially treated wastewater to a publicly owned treatment facility in the state of California are required to prepare an Overflow Emergency Response Plan (Plan).

The City of Palm Springs (City) owns a sanitary sewer system composed of approximately 250 miles of gravity flow sewer collection lines and it is subject to the Board's Plan requirements. Veolia Water NA (Veolia) has been contracted by the City to manage the development and implementation of the Plan and to oversee compliance with the Board's requirements.

The overall purpose of this Plan is to identify measures to protect public health and the environment from sanitary sewer overflows (SSOs). A SSO is any overflow, spill, release, discharge or diversion of untreated or partially treated wastewater from a sanitary sewer system (any system of pipes, pump stations, sewer lines, or other conveyances, *upstream* of a wastewater treatment plant headworks used to collect and convey wastewater to the publicly owned treatment facility). Sanitary sewer systems include only those systems owned by public agencies.

At a minimum, this Plan must include the following:

- Proper notification procedures;
- A program to ensure an appropriate response to all SSOs;
- Procedures to ensure prompt notification to appropriate regulatory agencies and other potentially affected entities;
- Procedures to ensure that appropriate staff and contractor personnel are aware of and follow the Plan and are appropriately trained;
- Procedures to address emergency operations; and
- A program to ensure that all reasonable steps are taken to contain and prevent the discharge of untreated and partially treated wastewater to waters of the United States.

1.0 Sanitary Sewer Overflow Prevention

SSO prevention is a comprehensive approach to prevent SSOs from entering the waters of the state. SSO prevention is the City's main goal in collection system operations. All other activities are secondary to this primary goal of zero SSOs. It is this level of importance which drives the City to provide a better and more comprehensive program of collection system maintenance.

SSO prevention is not limited to simply inspecting and cleaning problem lines periodically. It demands a management discipline that seeks to find the root causes of SSOs in the collection system and ultimately solve them over time. As with any process, however, competing interests in management and operations can cause attention gaps in the preventive process, which then requires automation in the work order system and data management of the City's utility. The City has implemented state-of-the-art planning, scheduling, monitoring and reporting tools that have positioned it to immediately address issues that could result in a SSO.

Some utilities can find themselves in reversing trends, going from a low number of SSO events over a period of time, to a much higher number over a short period. Some of these can be explained by weather phenomenon which may create unusual circumstances (e.g. extraneous groundwater in the system), but the end result are SSOs which need to be addressed regardless of cause. SSOs, however, do happen, even in the most well managed systems. When they do, mitigation is the first step that has to be made in response to the spill, be it small and easily contained or cleaned, to very large with millions of gallons involved.

The City has various programs that have been initiated to help get ahead of SSO events, keep SSO events low over time, and mitigate impacts if a SSO occurs. The City's programs have demonstrated success in operations and management and employ sound best management practices tailored for our compliment of data management systems, manpower, equipment, and technical expertise.

1.1 Collection System Description

The City's sanitary sewer collection system is composed of approximately 250 miles of clay, gravity flow, 6" - 42" diameter collection lines, approximately 5,000 pre-cast concrete and brick manholes; and five sewer lift stations (LS) (Appendix A). The City's sanitary sewer and stormwater conveyance systems are separate. Some SSOs have occurred in the collection system at various locations around the City. Trouble areas where there is increased potential for SSOs have been identified and they are inspected and cleaned on a regular basis in accordance with the City's work order planning and scheduling systems.

1.1.1 #1 Sewer Lift Station @ Tahquitz Creek Golf Course

This LS is the largest LS in the collection system. It pumps approximately one million gallons per day (gpd), which is approximately one-sixth of the total flow received at the wastewater treatment facility headworks. #1 LS receives gravity flow and pumped flows from three sewer LSs. Redundancy is provided by two lift pumps. Backup power is supplied by a diesel fuel generator. The diesel fuel for the generator is contained in a 1,000 gallon capacity, steel, aboveground storage tank. This LS does not have a history of SSOs.

1.1.2 #2 Sewer Lift Station @ Golf Course Drive

This LS discharges to #1 LS. #2 LS receives the discharge from #3 LS and gravity flows to a wetwell 20 feet in depth. Redundancy is provided by two lift pumps. Backup power is supplied by the diesel fuel generator located at #1 LS. This LS does not have a history of SSOs.

1.1.3 #3 Sewer Lift Station @ Palm Springs View Estates

This LS discharges to a gravity line on Bolero Road that discharges to #2 LS. #3 LS receives gravity flow to a wetwell 20 feet in depth and 6 feet in diameter. Redundancy is provided by two lift pumps. Backup power is not provided. This LS has a history of SSOs caused by the failure of the former pump control wetwell level sensor. The level sensor was a bubbler level control system which was replaced using an ultrasonic control system. Since the change in the wetwell level control sensors, there has not been a SSO.

1.1.4 #4 Sewer Lift Station @ 34th Avenue

This LS pumps approximately 100,000 gpd to a gravity line a distance of less than 500 feet from the LS. #4 LS receives gravity flow from the collection lines. Redundancy is provided by two lift pumps. Backup power is provided by a diesel fuel generator. This lift station has a 500-gallon capacity underground diesel fuel storage tank. This LS does not have a history of SSOs.

1.1.5 #5 Sewer Lift Station @ Sonora & El Cielo

This LS is a low volume lift station discharging to a gravity line approximately one and one-half blocks from the LS. #5 LS receives gravity flow from the collection lines. Redundancy is provided by two lift pumps. Backup power is not provided. This LS does not have a history of SSOs.

1.2 Potential Sanitary Sewer Overflow Sites

Potential SSO locations in the City include the five LSs, a blocked/clogged or broken sewer pipe segment, or in a manhole immediately upstream of the City's treatment plant headworks.

1.2.1 At the sewer LSs, a SSO may be caused by a catastrophic seismic event, a loss of electrical power, flow blockage of the lift pump influent and effluent lines, failure of the lift pump control systems, operator error and vandalism.

1.2.2 At a sewer collection pipe, a SSO may be caused by a restriction or blockage to flow in the sewer line, resulting in the flow backing up the sewer line and up a lateral, or until it reaches a level in a manhole that allows the water pressure to raise the manhole cover and results in the SSO. Flow restriction and blockage may be caused by foreign objects, roots, grit and sand buildup, and buildup of fats, oils or grease (FOG).

1.2.3 At a sewer collection pipe segment, a SSO may also be caused by a broken sewer line segment due to a catastrophic seismic event, a flood, or deterioration of the line due to the age of the line. Breakage may be due to industrial or commercial discharges that have an adverse impact on the collection lines and manholes such as low pH discharges deteriorating pipes and manholes. Contractors may also break sewer lines during excavation work.

1.2.4 At a manhole immediately upstream of the City's headworks, a SSO could occur due to a failure somewhere (particularly at the headworks) in the treatment plant that results in a backup of the headworks' influent.

1.3 Prevention Methods

SSO prevention is focused on the potential SSO areas: the five sewer LSs, blocked or broken sewer lines, and upstream of the headworks. The keys to prevention of SSOs include source control, hydraulic overload prevention, inspection, cleaning and repair, equipment preventive maintenance, equipment corrective maintenance, and employee training.

1.3.1 Source Control

The City has implemented a FOG Control Program (Appendix B) to reduce FOG discharges from over 200 food service establishments (FSE) located in the City. The City passed an Ordinance to establish the authority to control FOG discharges. The Ordinance authorizes the City to require and regularly inspect grease control devices (grease traps and grease interceptors). The maintenance of these devices is the responsibility of the property or FSE owner. The City inspects FSEs at least twice per year to ensure they adhere to required best management practices.

The City has surveyed the limited industrial and commercial users that discharge to the City sewer system to determine if they are discharging in a manner that may cause a SSO. There are no known significant industrial dischargers at this time. Routine review of the industrial and commercial user survey will be conducted by the City, and the Department of Building and Safety will review building permit applications for potential adverse impacts that may be caused by new businesses moving into the City. When a new business is identified a brief review of their processes and water use will aid the City in determining the potential impact that the business could have on the collection system.

The control of inflow and infiltration of groundwater, stormwater, or uncontaminated water into the collection system is not typically necessary in the City.

1.3.2 Inspection, Cleaning and Repair

To reduce the possibility of SSOs, several primary activities have been implemented. The City conducts routine maintenance of sewer lines and manholes. Routine maintenance consists of closed-circuit television (CCTV) inspections of the pipes and manholes, and hydro-jet cleaning (pressure washing) and vacuuming of the collection lines to remove grit, debris, FOG and roots. The City also ensures prompt repair of broken or damaged sewer line segments.

The City utilizes Infonet, a fully integrated Decision Support System that incorporates all of the tools and processes that are required to run a proactive management system in a single easy to use package. All information about the collection system is brought together within Infonet. This includes:

- Physical asset characteristics;
- Geography and mapping;
- Hydraulic characteristics;
- Routine maintenance data;
- Inspection information; and
- Accompanying imagery.

Infonet is built on a multi-user architecture, allowing users to log in from remote locations (e.g. in inspection and cleaning vehicles) so that information is shared and everyone is on the same page. Infonet is used by the collection system operators to plan, schedule, monitor and report all collection system inspection and cleaning activities for its CCTV inspection vehicle and its two cleaning vehicles (Appendix C).

1.3.3 Hydraulic Overload Prevention

For purposes of system evaluation and capacity assurance planning, the City has prepared and implemented a Sanitary Sewer Master Plan (MP) that provides hydraulic capacity of key sewer system segments for peak flow conditions.

The MP was completed during November 2008 and the following benefits are realized by preparing this comprehensive, long term MP:

- Defines both current and long term needs of the City Sanitary Sewer System;
- Provides general description of the collection system as well as documents flow routing for use in the operation and planning of new pipelines, thus reducing the time needed to train new employees;
- Provides guidelines for scheduling work loads, staffing plans and justifications for City staffing;
- Provides information for making sound decisions on collection system operations, financing, staffing, and building permitting;
- Provides the basis for financial planning so that resources are available when needed;
- Reduces the cost of planning, design, and construction; and
- Allows proactive management of the wastewater collection facilities rather than reactive management.

The findings of this MP are based on the hydraulic and observed conditions of the City's existing collection system. As development increases within the City, several pipelines will need to be replaced, relieved, rehabilitated, or modified to provide sufficient capacity in the system for the increased flows.

1.3.4 System Controls

In addition to Infonet, system controls are in place to reduce the possibility of SSOs (i.e. redundancy of primary equipment, backup electrical supply, automated controls, remote monitoring and alarms, implementation of an effective preventive maintenance (inspections and cleaning, auxiliary equipment and vehicles) program, and prompt corrective maintenance.

1.3.5 Equipment Preventive Maintenance

Scheduled preventive maintenance is conducted on collection systems assets in addition to regular inspection and cleaning of sewer lines and manholes.

Engine batteries, fire safety equipment, lift station alarms, oil reservoirs and generator checks are conducted according to a schedule managed by maintenance and collections system personnel. In addition, quarterly Biennial Inspection of Terminal (BIT) inspections are conducted on commercial motor vehicles.

1.3.6 Operator Training

All operators are aware of and properly trained to implement the provisions and procedures of the Plan. Operators must fully understand the response protocol for SSO events and will

be notified of any changes to the Plan, particularly annual updates that may be made to the Plan. If major response protocols are revised, operators will be retrained to assure full understanding of SSO emergency response protocol. Lack of training can lead to a slower and less effective response during an emergency event.

The State Water Board has signed a memorandum of agreement (MOA) with the California Water Environment Association (CWEA) to develop a training course in response to the requirements of the WDR. The course is intended to educate participants about the terms of the WDR and use of the online SSO database, as well as development of an SSMP. Training is conducted using a team format where participants will work through case studies and enter data into a database simulation via laptops. Current response staff has completed the training; however follow-up training or training for new employees may be required in the future.

SSO training has been held for all collection system operators and supervisors. In addition, brief SSO reviews are conducted throughout the year. A record of each training is maintained with the names of the individuals attending.

In order for collection system operators to identify and respond to SSOs, they have been made aware of what constitutes an SSO, the problems that create a SSO, the appropriate response to a SSO, and the SSO reporting requirements. Routine training is the only means of keeping SSO issues fresh in the minds of those individuals that are most likely to encounter a SSO.

2.0 Sanitary Sewer Overflow Response

Labor, materials, equipment and other resources will be mobilized by the City to respond to a SSO and control or limit the volume of untreated or partially treated wastewater discharged, terminating the discharge, and recovering and properly disposing of as much of the SSO volume as is possible, including any wash down water that is used. In the event of a failure in a segment, upstream dischargers may be required to stop flow while the segment is being repaired. Repairs will be initiated as soon as possible and the duration kept as short as possible. However, a large failure could keep the segments of the collection system out of service for 6 to 12 months. Bypass pumping would be required for the remaining flow from areas that cannot be shut off.

Should a SSO occur in which untreated or partially treated wastewater enters the storm drain system, all feasible steps must be taken to prevent wastewater from discharging to flood control channels and waters of the United States, by blocking the storm drainage system and removing the wastewater from the storm drains.

Mitigation and containment activities may include:

- Interception and rerouting of untreated or partially treated wastewater flows around the failure that produced the SSO;
- Vacuum truck recovery of SSO and wash down water;
- Cleanup of debris at the overflow site;
- System modifications to prevent future SSOs in the same location;
- Sufficient sampling to determine the nature and impact of the discharge; and
- Public notification to minimize public exposure to the SSO.

2.1 Notification

A member of the public, a City employee, another agency employee (county, state, etc.), or a Veolia employee may detect a SSO, or report suspicious circumstances (odor, flooding, etc.) which indicate the possibility of a SSO. Whether a SSO is located at one of the sewer LSs or along a gravity pipeline it is possible that an employee making the discovery or receiving the report of a SSO will be alone at the time the report is received. Therefore, it is extremely important that the person making the discovery or receiving an initial report is capable of identifying the incident as a SSO and that this person notify system supervision or the treatment plant operator in-charge of the SSO and its location.

Notification is the first action that should be taken, regardless of the size, volume, cause, or corrective actions that could be taken. By communicating that a SSO exists, additional support and aid can be sent to the scene. If a SSO event is not reported immediately and the employee decides to attempt to halt the overflow, the employee may become injured or incapacitated and then the SSO is not only continuing, but no one else knows the SSO is occurring and aid will not be dispatched. In any emergency event, including a SSO, the initial response should always be NOTIFICATION. The following information is provided to assist a notifier with communication and notification.

2.1.1 Collection System Owner

City of Palm Springs, California
4375 Mesquite Avenue
Palm Springs, CA 92264

2.1.2 Contract Collection System Operator

Veolia Water North America Operating Services, LLC
Project Manager: Jack Martin
Address: 4375 Mesquite Avenue
Palm Springs, CA 92264
Office: 760-323-8166
FAX: 760-325-5747

2.1.3 Local Contact List

City of Palm Springs:

| | | | |
|--------------------------------|-----|-----------------|--------------------|
| Police Department | 911 | Dispatch | 323-8111 |
| Emergency Medical | 911 | Toxic Materials | 323-8186 |
| Emergency Services Coordinator | | | 323-8185 |
| Street Maintenance | | | 322-8364 ext. 8503 |
| | | | 760-902-2703 cell |
| Public Works Director | | | 323-8253 ext. 8732 |
| Assistant City Manager | | | 323-8201 |

Veolia Water-Palm Springs:

| | |
|-------------------------------------|-------------------|
| Wastewater Treatment Plant | 760 323-8166 |
| Jack Martin, Project Manager | 760-702-9215 cell |
| Doug Loar, Maintenance Manager | 951-616-4450 cell |
| Ken Huntzinger, Collections Manager | 760 799-5717 cell |

Contractors for Response/Cleanup Assistance

The contractors listed below may be called upon for additional resources including vacuum and jetting trucks, pumper trucks, pumps, portable tanks, and earth moving and transportation equipment.

| | |
|------------------|--------------|
| Roto Rooter | 760 322-2622 |
| United Rentals | 760 328-6573 |
| ASAP | 760 328-7887 |
| G&M Construction | 760 322-6918 |
| Clean Streets | 800 225-7316 |
| Rain-For-Rent | 951 653-2171 |

2.2 Damage Assessment

Upon arrival at a possible SSO, the person first at the scene will assess the overall scope of the SSO and the impacts or potential impacts to public health, private property, the stormwater conveyance system (including nearby drainage channels) and the environment and try to determine the cause of the SSO, e.g. line blockage or break, lift station mechanical or electrical failure, etc. If necessary, this person will identify and request assistance from the indicated contacts or additional resources to correct the SSO or to assist in the determination of the cause.

2.3 Stopping Overflow

If the SSO can be halted by turning a pump on or off, closing a valve, or similar action, and in so doing no one is exposed to a hazardous situation, then the first person at the scene should take the appropriate action to halt the SSO. Often the SSO can only be halted temporarily. This may be sufficient to allow other work to be accomplished that eliminates the SSO, allowing a return to normal conditions, or the establishment of alternative movement of the wastewater to prevent the SSO.

2.4 Containment

If the person with first knowledge of the SSO has made the initial notification, and believes it is safe to take further actions, an attempt should be made to contain the SSO with materials and tools in the response vehicle, and to establish a means of preventing other people from entering the area of the SSO. Containment can be accomplished by blocking the flow in open ditches, gutters, and stormwater catch basins. If necessary, containment can be accomplished by requesting the necessary resources from the indicated contacts. For instance, a request may be made for dump trucks hauling sand, vacuum and pumping equipment, sandbags, straw bails, and plastic bags filled with water, etc.

2.5 Control

Once assistance has arrived on the scene, the senior person or a designee will take charge and direct all further responses. After notification, the response actions to take are: containment, stopping overflow, maintaining control of access to the scene, estimating volume of overflow and/or flow rate, collecting samples when appropriate, obtaining any other assistance and/or support as needed. Access restriction and hazard warnings will be posted to inform the general public of the hazard, as necessary.

2.6 Cleanup

Once the overflow has been stopped, the City will develop an appropriate clean up strategy to include the personnel assignments, equipment needed to complete the clean up, and appropriate disposal of collected material (wastewater, trash, debris, sand, etc.) (Section 3.0).

2.7 Reporting

The Veolia Collection Manager is responsible for the reporting of the SSO, unless senior management or a City representative assumes the reporting responsibilities. The Collection Manager is responsible for providing Veolia senior management and the City with all the data and information needed to file reports. A copy of this Plan is available at the operators' desk at the wastewater treatment plant.

2.8 Review

Following a SSO event, the Collection Manager, senior Veolia management and operations staff and the City will review the event to identify what worked, what was good, what didn't work, and what needs to be changed to improve the response to a future SSO, and what can be done to prevent a future SSO.

2.9 Equipment

2.9.1 Veolia and City equipment is available for immediate response to a SSO. Operators are familiar with available equipment and equipment operators to allow effective use of the available equipment. A partial list of equipment and resources from Veolia is as follows:

- Response pick-up vehicles with spill control kits;
- Vacuum trucks (2) with Jet Cleaner;
- Front-end Loader;
- Forklift;
- 6" Portable Pump (diesel engine) with 30' Suction; 75' Discharge;
- Traffic control equipment; and
- Miscellaneous hand and power tools.

2.9.2 City-owned equipment is also available for response but may require a longer time period to access. The senior operator/manager in charge of the SSO response must be able to access the appropriate City Department for equipment and personnel needs.

- Street Department – Dump Trucks
- Front-end Loader
- Flusher Truck
- Miscellaneous hand and power tools
- Pick-Up Vehicles

2.9.3 Commercial rental businesses are an excellent source of equipment that is often only needed for a short period of time. The wastewater plant manager is familiar with those businesses within the area and the types of equipment available and the means for procuring the rental quickly in an emergency situation, including but not limited to the following:

- Portable Pumps;
- Portable Electrical Generators; and
- Other Misc. Equipment.

2.10 Emergency Services

Emergency services are fire, police, EMT, and medical emergency care. Fire and Police may be instrumental in securing access to SSO that are captured and waiting for clean up to start. It is important that the general public be kept from coming into contact with raw sewer from the sewer system.

3.0 Sanitary Sewer Overflow Cleanup

Cleanup may consist of the use portable pumps and vacuum trucks, brooms, shovels and other tools and equipment, and collecting the captured wastewater and returning it directly to the wastewater treatment plant or the sanitary sewer. Once the wastewater is removed from the capture site, the ground should be washed down and washdown water collected and returned to the sanitary sewer or wastewater treatment plant. Following washdown, the area should be disinfected, typically using bleach or lime. Disinfection may be required in instances where a ponded area of sewage cannot be pumped dry or sewage has mixed with additional standing water. Disinfectants may include bleach or high-test hypochlorite (HTH). A dosing of 10 to 12 ounces of HTH per 100 square feet of pond surface is generally appropriate for relatively shallow ponds. Deeper ponds may require higher dosages, which must be determined by the on-site manager or the local health department. Chlorine products are not acceptable for use in a body of water containing fish or other aquatic life. In cases where complete recovery of sewage is not practical and severe oxygen depletion is expected in existing surface waters, the use of portable aerators may be required.

Identifiable residue remains, such as sewage solids, rags, and other debris must be collected for proper disposal. In order to properly clean up a SSO and mitigate potential effects, several actions may be taken, including but not limited to:

- Application of absorbent material;
- Excavation and disposal of affected soil and used absorbent;
- Flushing of the overflow site with clean (generally potable) water;
- Application, containment and recovery of any chlorinated wash-down water; and
- Return of all wash-down water to the sanitary sewer system.

3.1 Bypass Pumping and Pump/Haul Response Activities

Manhole-to-manhole bypass pumping should be an anticipated method of emergency response for routing flows around failed segments. If the manholes within the subject areas are accessible in the event of a failure, these bypass pumping systems would be capable of routing effluent through an alternate conduit from manhole(s) upstream of the failure to manhole(s) downstream of the failure, thereby isolating the problematic segment. Based on availability at the time of the SSO occurrence, as well as the general magnitude of the required bypass pumping system, emergency contractors may be able to utilize small-diameter (6-inch) flexible PVC piping on the suction and discharge sides of the bypass pumping operation to save the set-up time associated with laying rigid steel pipe. This flexible piping is typically rated up to 50 psi, and when assembled, is nearly watertight. Using a manifold, for example, up to twelve 6 - inch lines may be connected in parallel to a single 16-inch pump to achieve greater flow rates. A full bypass pumping system utilizing this type of piping may be assembled within one or two days. Should flow rates or specific configurations require greater pipe diameters or piping distances, conventional steel piping may be supplied to the site and assembled. Depending on the complexity of the bypass pumping scenario, this process may take up to one or two weeks.

Under wet weather conditions and/or conditions removed from a source of electricity (e.g. generators), diesel pumps may be supplied over electric pumps. Certain diesel pumps, while providing an additional measure of safety over electric pumps in wet weather conditions, can also function quietly when sound-attenuation devices are used. Under lower head conditions, one 16-inch, 500-hp diesel pump may provide up to 10,000 gpm of pumping capacity. Under greater required suction heads and/or pumping distances, multiple pumps maybe used in series (i.e., booster pumps) to maintain the same flow rate. Standby/redundant pumps should be furnished to prevent system downtime. Diesel pumps and diesel generators (to power electric pumps) will require refueling if operated for extended periods. Depending on the capabilities of the specific emergency response contractor(s), supplementary skid-mounted fuel tanks may be able to be delivered to the bypass pumping site (according to bypass pumping contractors, up to 750 gallons/tank) to allow continuous operation of the pumps for extended periods without refueling. Depending on applicable regulations, secondary containment structures (for example, polyurethane-coated fabric containment berms) may be required for these tanks. As an alternate source, tanker trucks may be able to be contracted to provide scheduled deliveries of fuel to the job site. Several items must be considered when planning for bypass pumping operations including:

- Peak and average flow rates that will require pumping after flow minimization efforts have occurred;
- Pump site access at both the suction and discharge points;
- Pipeline alignment, including traffic control and crossings of either roadways or driveways;
- Availability of equipment;
- Time required to install equipment; and
- Coordination with local jurisdictions.

Typical pump and haul initial response activities for a SSO would include:

- Response crews and vacuum truck equipment arrive at the SSO site;
- Implement first response mitigation and containment activities;
- Vacuum truck recovery of SSO and wash down water;
- Haul recovered SSO liquid, debris and wash down water to wastewater treatment plant; and
- Address traffic control and access to discharge point.

3.2 Additional Flow Reduction Measures

Under scenarios of multiple, complex, or difficult-to-access SSO causing failures, significant time may pass before permanent repairs may be fully executed. During this time, additional temporary bypass pumping systems would need to be implemented by the City to minimize pipeline flows and further damage and SSOs. These additional plans may include the identification and implementation of alternate treatment facilities, a limitation on increased discharge flows for existing users, and/or a temporary halt to the construction of new connection laterals to the collection system.

3.3 Traffic and Crowd Control

Traffic and crowd control measures vary based on the size and potential impact of the overflow event. When appropriate, local police, fire department, and City contacts should be notified to aide in addressing traffic and crowd control issues.

3.3.1 Small Spill (Less than 1,000 gallons)

- Setup traffic cones to direct traffic from spill area
- Use staff personnel to control traffic and pedestrians

3.3.2 Medium Spill (Greater than or equal to 1,000 gallons and less than 10,000 gallons)

- Contact Member Agencies as needed;
- Perform lane closures as needed;
- Close any affected entrances or exits from all public and private facilities;
- Place proper signage for any lane closures including contaminated area signs;
- Inform local law enforcement and/or fire department of lane/road closures and traffic control; and
- Use caution tape and barricades to protect pedestrians from contaminated areas.

3.3.3 Large Spill (Greater than or equal to 10,000 gallons)

- Contact Member Agencies as needed;
- Inform local police and sheriff's department of any law enforcement needed for road closures and traffic control;
- Inform local fire department of lane and road closures;
- Delegate the responsibilities to Member Agency team members to inform the public of hazards;
- Use signage to inform public of potential hazards to public health and safety; and

- Block public access to hazards using barricades, cones and caution tape.

3.4 Public Health Notification

In the event of a SSO, the City must determine the need to post notices of polluted surface water bodies or ground surfaces in order to protect public health. Notices may only warn of potential public health risks due to sewage contamination, but do not necessarily prohibit the use of the affected land or water for recreation, unless otherwise stated. The postings must be displayed for five days. Public notification may include signs, hangers on the front doors of potentially affected residences and businesses, or pre-scripted news releases to the printed or electronic news media for immediate publication or airing on local radio and/or television stations as appropriate.

3.5 SSO Sampling and Data Collection

Small SSO that are contained, cleaned up and disinfected will most likely not require sampling. However, SSOs that enter a flowing receiving stream should be sampled. The Wastewater Treatment Plant will have the sample containers that are used for sampling the following pollutants:

- Biochemical Oxygen Demand;
- Chemical Oxygen Demand;
- Total Suspended Solids;
- Total Solids;
- Total Dissolved Solids;
- Heavy Metals;
- Fat, Oil & Grease;
- Petroleum-Based Oil & Grease;
- Volatile organic compounds;
- Semi-volatile and non-volatile organic compounds; and
bacterial testing, such as, total Coliform and Fecal Coliform bacteria.

The decision to collect and analyze samples is to be made by the senior operator or manager, in-charge at the SSO scene. If sampling and analysis is needed, only those pollutants that are suspected in the discharge should be collected. If there is any question about what needs to be sampled and analyzed, it is best to collect samples and preserve them so that a decision can be made later when the immediate crisis has been resolved. Very few samples have to be analyzed immediately, such as, pH (within 15 minutes of collection) and bacteria (within 6 hours of sampling). Other pollutants such as BOD can be held for 48 hours if properly preserved, and pollutants such as Heavy metals can be held for 6 months if properly preserved.

Sample preservation should follow the approved preservation and holding times found in the Federal Code of Regulations, Volume 40, Part 136. (40 CFR 136). This source also provides a list of the approved analytical methods for the analysis of the pollutants listed above.

The decision to analyze a sample should be considered carefully and the pollutants to be analyzed must be carefully selected. Discussion with in-house laboratory technicians and a commercial laboratory can often provide good direction. If organic compounds are suspected, (solvents, petroleum fuels, pesticides, herbicides, and other organic compounds) they can be detected by

running scans for different organic compound groups. A commercial laboratory can assist in guiding a cost efficient search for organic compounds.

In most cases, only bacteria samples are typically needed when the SSO reaches a flowing receiving stream, to determine if the SSO contained raw sewage which will carry both Total Coliform and Fecal Coliform. Once the SSO hits the receiving stream, an upstream sample and down stream sample will determine if the SSO contaminated the receiving stream. If the SSO results in a fish kill in a flowing receiving stream, or pond, collection and analysis of killed fish may be appropriate.

If the SSO is large in volume and it is absorbed into the soil before the wastewater can be collected and returned to the sanitary sewer, a soil sample may be appropriate, or if ground monitoring wells are nearby, samples of the ground water may be appropriate. If the SSO is small in volume, absorption into the soil may only result in the soil being cleaned up by the bacteria in the soil with no harm to the environment. Access to an area where the soil has absorbed the SSO should be restricted until it can be determined that the area is no longer contaminated by fecal bacteria. Fecal bacteria do not survive well out of a water environment or exposure to the sun. Follow up Fecal Coliform testing may be needed to determine when the SSO site is safe. If the area is disinfected, testing will probably not be required to determine that the soil and general environment of the SSO site is pathogen free.

3.6 Overflow Route

Once the immediate response has been completed, the in-charge manager, or operator, should document the most likely route for the movement of the SSO wastewater from the overflow site to the waters of the state. A brief sketch of the site and flow direction, will help when reconstructing the SSO events.

3.7 Determine Volume of Overflow

This is important, in that SSOs of greater than 1,000 gallons must be reported to more agencies and more immediately than smaller SSOs. In addition, the estimated volume of the SSO must be reported to determine the severity of the SSO. The volume can be calculated based on the surface area and depth of the SSO. The length of time the SSO continued and the volume or source rate can be used to estimate the total volume of the SSO.

4.0 Overflow Reporting Plan

4.1 Categorize SSO

4.1.1 Category 1 - Discharges of untreated or partially treated wastewater of any volume resulting from an enrollee's sanitary sewer system failure or flow condition that:

- Reach surface water and/or reach a drainage channel tributary to a surface water; or
- Reach a Municipal Separate Storm Sewer System (MS4) and are not fully captured and returned to the sanitary sewer system or not otherwise captured and disposed of properly. Any volume of wastewater not recovered from the MS4 is considered to have reached surface water unless the storm drain system discharges to a dedicated storm water or groundwater infiltration basin (e.g., infiltration pit, percolation pond).

4.1.2 Category 2 – Discharges of untreated or partially treated wastewater of 1,000 gallons or greater resulting from an enrollee’s sanitary sewer system failure or flow condition that do not reach surface water, a drainage channel, or a MS4 unless the entire SSO discharged to the storm drain system is fully recovered and disposed of properly. All other discharges of sewage resulting from a failure in the City’s sanitary sewer system.

4.1.3 Category 3 - All other discharges of untreated or partially treated wastewater resulting from an enrollee’s sanitary sewer system failure or flow condition.

4.1.4 Private Lateral – Discharges of untreated or partially treated wastewater resulting from blockages or other problems within a privately owned sewer lateral connected to the enrollee’s sanitary sewer system or from other private sewer assets. PLSDs that the enrollee becomes aware of may be voluntarily reported to the California Integrated Water Quality System (CIWQS) Online SSO Database. Sewage discharges that are caused by blockages or other problems within a privately owned lateral.

The in-charge manager, or operator should attempt to record the time the SSO started. This should not be a guess. To determine the start time, assume that the SSO started when a person can confirm the SSO was observed. This can be the time the SSO was reported, or a statement from the general public with the time they observed the SSO flowing. The in-charge manager/operator should record the time the SSO was halted. The time the SSO cleanup was completed and the cleanup actions should also be recorded. If the SSO was due to system failure, loss of electrical power, blockage of sewer line, or broken line; the SSO event is not fully complete until the system has been returned to normal operations. The in-charge operator/manager should maintain a written log of the actions taken from the start of the SSO response until the SSO is fully complete and returned to normal.

5.0 Reporting Timeframes

5.1. Notification Requirements - Although Regional Water Quality Control Boards (Regional Water Boards) and the State Water Board (collectively, the Water Boards) staff do not have duties as first responders, this MRP is an appropriate mechanism to ensure that the agencies that have first responder duties are notified in a timely manner in order to protect public health and beneficial uses.

1. For any Category 1 SSO greater than or equal to 1,000 gallons that results in a discharge to a surface water or spilled in a location where it probably will be discharged to surface water, either directly or by way of a drainage channel or MS4, the enrollee shall, as soon as possible, but not later than two (2) hours after (A) the enrollee has knowledge of the discharge, (B) notification is possible, and (C) notification can be provided without substantially impeding cleanup or other emergency measures, notify the Cal OES and obtain a notification control number.

2. To satisfy notification requirements for each applicable SSO, the enrollee shall provide the information requested by Cal OES before receiving a control number. Spill information requested by Cal OES may include:
 - i. Name of person notifying Cal OES and direct return phone number.
 - ii. Estimated SSO volume discharged (gallons).
 - iii. If ongoing, estimated SSO discharge rate (gallons per minute).
 - iv. SSO Incident Description:
 - a. Brief narrative.
 - b. On-scene point of contact for additional information (name and cell number).
 - c. Date and time enrollee became aware of the SSO.
 - d. Name of sanitary sewer system agency causing the SSO.
 - e. SSO cause (if known).
 - v. Indication of whether the SSO has been contained.
 - vi. Indication of whether surface water is impacted.
 - vii. Name of surface water impacted by the SSO, if applicable.
 - viii. Indication of whether a drinking water supply is or may be impacted by the SSO.
 - ix. Any other known SSO impacts.
 - x. SSO incident location (address, city, state, and zip code).
3. Following the initial notification to Cal OES and until such time that an enrollee certifies the SSO report in the CIWQS Online SSO Database, the enrollee shall provide updates to Cal OES regarding substantial changes to the estimated volume of untreated or partially treated sewage discharged and any substantial change(s) to known impact(s).
4. PLSDs: The enrollee is strongly encouraged to notify Cal OES of discharges greater than or equal to 1,000 gallons of untreated or partially treated wastewater that result or may result in a discharge to surface water resulting from failures or flow conditions within a privately owned sewer lateral or from other private sewer asset(s) if the enrollee becomes aware of the PLSD.

5.2 Reporting Requirements

5.2.1 CIWQS Online SSO Database Account: All enrollees shall obtain a CIWQS Online SSO Database account and receive a “Username” and “Password” by registering through CIWQS. These accounts allow controlled and secure entry into the CIWQS Online SSO Database.

5.2.2 SSO Mandatory Reporting Information: For reporting purposes, if one SSO event results in multiple appearance points in a sewer system asset, the enrollee shall complete one

SSO report in the CIWQS Online SSO Database which includes the GPS coordinates for the location of the SSO appearance point closest to the failure point, blockage or location of the flow condition that caused the SSO, and provide descriptions of the locations of all other discharge points associated with the SSO event.

5.2.3 SSO Categories

- i. **Category 1** – Discharges of untreated or partially treated wastewater of any volume resulting from an enrollee’s sanitary sewer system failure or flow condition that:
 - a. Reach surface water and/or reach a drainage channel tributary to a surface water; or
 - b. Reach a MS4 and are not fully captured and returned to the sanitary sewer system or not otherwise captured and disposed of properly. Any volume of wastewater not recovered from the MS4 is considered to have reached surface water unless the storm drain system discharges to a dedicated storm water or groundwater infiltration basin (e.g., infiltration pit, percolation pond).
- ii. **Category 2** – Discharges of untreated or partially treated wastewater greater than or equal to 1,000 gallons resulting from an enrollee’s sanitary sewer system failure or flow condition that does not reach a surface water, a drainage channel, or the MS4 unless the entire SSO volume discharged to the storm drain system is fully recovered and disposed of properly.
- iii. **Category 3** – All other discharges of untreated or partially treated wastewater resulting from an enrollee’s sanitary sewer system failure or flow condition.

5.2.4 Sanitary Sewer Overflow Reporting to CIWQS - Timeframes

- iv. **Category 1 and Category 2 SSOs** – All SSOs that meet the above criteria for Category 1 or Category 2 SSOs shall be reported to the CIWQS Online SSO Database:
 - a. Draft reports for Category 1 and Category 2 SSOs shall be submitted to the CIWQS Online SSO Database within three (3) business days of the enrollee becoming aware of the SSO. Minimum information that shall be reported in a draft Category 1 SSO report shall include all information identified in section 8.i.a. below. Minimum information that shall be reported in a Category 2 SSO draft report shall include all information identified in section 8.i.c below.
 - b. A final Category 1 or Category 2 SSO report shall be certified through the CIWQS Online SSO Database within 15 calendar days of the end date of the SSO. Minimum information that shall be certified in the final Category 1 SSO report shall include all information identified in section 8.i.b below. Minimum information that shall be certified in a final Category 2 SSO report shall include all information identified in section 8.i.d below.
- v. **Category 3 SSOs** – All SSOs that meet the above criteria for Category 3 SSOs shall be reported to the CIWQS Online SSO Database and certified within 30 calendar days after the end of the calendar month in which the SSO occurs (e.g., all Category 3 SSOs occurring in the month of February shall be entered into the database and certified by March 30). Minimum information that shall be certified in a final Category 3 SSO

report shall include all information identified in section 8.i.e below.

- vi. **“No Spill” Certification** – If there are no SSOs during the calendar month, the enrollee shall either 1) certify, within 30 calendar days after the end of each calendar month, a “No Spill” certification statement in the CIWQS Online SSO Database certifying that there were no SSOs for the designated month, or 2) certify, quarterly within 30 calendar days after the end of each quarter, “No Spill” certification statements in the CIWQS Online SSO Database certifying that there were no SSOs for each month in the quarter being reported on. For quarterly reporting, the quarters are Q1 - January/ February/ March, Q2 - April/May/June, Q3 - July/August/September, and Q4 - October/November/December.

If there are no SSOs during a calendar month but the enrollee reported a PLSD, the enrollee shall still certify a “No Spill” certification statement for that month.
- vii. **Amended SSO Reports** – The enrollee may update or add additional information to a certified SSO report within 120 calendar days after the SSO end date by amending the report or by adding an attachment to the SSO report in the CIWQS Online SSO Database. SSO reports certified in the CIWQS Online SSO Database prior to the adoption date of this MRP may only be amended up to 120 days after the effective date of this MRP. After 120 days, the enrollee may contact the SSO Program Manager to request to amend an SSO report if the enrollee also submits justification for why the additional information was not available prior to the end of the 120 days.

5.2.5 SSO Technical Report

The enrollee shall submit an SSO Technical Report in the CIWQS Online SSO Database within 45 calendar days of the SSO end date for any SSO in which 50,000 gallons or greater are spilled to surface waters. This report, which does not preclude the Water Boards from requiring more detailed analyses if requested, shall include at a minimum, the following:

- i. **Causes and Circumstances of the SSO:**
 - a. Complete and detailed explanation of how and when the SSO was discovered.
 - b. Diagram showing the SSO failure point, appearance point(s), and final destination(s).
 - c. Detailed description of the methodology employed and available data used to calculate the volume of the SSO and, if applicable, the SSO volume recovered.
 - d. Detailed description of the cause(s) of the SSO.
 - e. Copies of original field crew records used to document the SSO.
 - f. Historical maintenance records for the failure location.
- ii. **Enrollee’s Response to SSO:**
 - a. Chronological narrative description of all actions taken by enrollee to terminate the spill.
 - b. Explanation of how the SSMP Overflow Emergency Response plan was implemented to respond to and mitigate the SSO.
 - c. Final corrective action(s) completed and/or planned to be completed, including a schedule for actions not yet completed.

viii. **Water Quality Monitoring:**

- a. Description of all water quality sampling activities conducted including analytical results and evaluation of the results.
- b. Detailed location map illustrating all water quality sampling points.

5.2.6 PLSDs

Discharges of untreated or partially treated wastewater resulting from blockages or other problems within a privately owned sewer lateral connected to the enrollee's sanitary sewer system or from other private sanitary sewer system assets may be voluntarily reported to the CIWQS Online SSO Database.

- i. The enrollee is also encouraged to provide notification to Cal OES per section B above when a PLSD greater than or equal to 1,000 gallons has or may result in a discharge to surface water. For any PLSD greater than or equal to 1,000 gallons regardless of the spill destination, the enrollee is also encouraged to file a spill report as required by Health and Safety Code section 5410 et. seq. and Water Code section 13271, or notify the responsible party that notification and reporting should be completed as specified above and required by State law.
- ii. If a PLSD is recorded in the CIWQS Online SSO Database, the enrollee must identify the sewage discharge as occurring and caused by a private sanitary sewer system asset and should identify a responsible party (other than the enrollee), if known. Certification of PLSD reports by enrollees is not required.

5.2.7 CIWQS Online SSO Database Unavailability

In the event that the CIWQS Online SSO Database is not available, the enrollee must fax or e-mail all required information to the appropriate Regional Water Board office in accordance with the time schedules identified herein. In such event, the enrollee must also enter all required information into the CIWQS Online SSO Database when the database becomes available.

5.2.8 Mandatory Information to be Included in SIWQS Online SSO Reporting

All enrollees shall obtain a CIWQS Online SSO Database account and receive a "Username" and "Password" by registering through CIWQS which can be reached at CIWQS@waterboards.ca.gov or by calling (866) 792-4977, M-F, 8 A.M. to 5 P.M. These accounts will allow controlled and secure entry into the CIWQS Online SSO Database.

Additionally, within thirty (30) days of initial enrollment and prior to recording SSOs into the CIWQS Online SSO Database, all enrollees must complete a Collection System Questionnaire (Questionnaire). The Questionnaire shall be updated at least once every 12 months.

i. SSO Reports

At a minimum, the following mandatory information shall be reported prior to finalizing and certifying an SSO report for each category of SSO:

- a. **Draft Category 1 SSOs**: At a minimum, the following mandatory information shall be reported for a draft Category 1 SSO report:
1. SSO Contact Information: Name and telephone number of enrollee contact person who can answer specific questions about the SSO being reported.
 2. SSO Location Name.
 3. Location of the overflow event (SSO) by entering GPS coordinates. If a single overflow event results in multiple appearance points, provide GPS coordinates for the appearance point closest to the failure point and describe each additional appearance point in the SSO appearance point explanation field.
 4. Whether or not the SSO reached surface water, a drainage channel, or entered and was discharged from a drainage structure.
 5. Whether or not the SSO reached a municipal separate storm drain system.
 6. Whether or not the total SSO volume that reached a municipal separate storm drain system was fully recovered.
 7. Estimate of the SSO volume, inclusive of all discharge point(s).
 8. Estimate of the SSO volume that reached surface water, a drainage channel, or was not recovered from a storm drain.
 9. Estimate of the SSO volume recovered (if applicable).
 10. Number of SSO appearance point(s).
 11. Description and location of SSO appearance point(s). If a single sanitary sewer system failure results in multiple SSO appearance points, each appearance point must be described.
 12. SSO start date and time.
 13. Date and time the enrollee was notified of, or self-discovered, the SSO.
 14. Estimated operator arrival time.
 15. For spills greater than or equal to 1,000 gallons, the date and time Cal OES was called.
 16. For spills greater than or equal to 1,000 gallons, the Cal OES control number.
- b. **Certified Category 1 SSOs**: At a minimum, the following mandatory information shall be reported for a certified Category 1 SSO report, in addition to all fields in section 8.i.a :
1. Description of SSO destination(s).
 2. SSO end date and time.
 3. SSO causes (mainline blockage, roots, etc.).
 4. SSO failure point (main, lateral, etc.).
 5. Whether or not the spill was associated with a storm event.
 6. Description of spill corrective action, including steps planned or taken to reduce, eliminate, and prevent reoccurrence of the overflow; and a schedule of major milestones for those steps.

7. Description of spill response activities.
8. Spill response completion date.
9. Whether or not there is an ongoing investigation, the reasons for the investigation and the expected date of completion.
10. Whether or not a beach closure occurred or may have occurred as a result of the SSO.
11. Whether or not health warnings were posted as a result of the SSO.
12. Name of beach(es) closed and/or impacted. If no beach was impacted, NA shall be selected.
13. Name of surface water(s) impacted.
14. If water quality samples were collected, identify parameters the water quality samples were analyzed for. If no samples were taken, NA shall be selected.
15. If water quality samples were taken, identify which regulatory agencies received sample results (if applicable). If no samples were taken, NA shall be selected.
16. Description of methodology(ies) and type of data relied upon for estimations of the SSO volume discharged and recovered.
17. SSO Certification: Upon SSO Certification, the CIWQS Online SSO Database will issue a final SSO identification (ID) number.

c. **Draft Category 2 SSOs**: At a minimum, the following mandatory information shall be reported for a draft Category 2 SSO report:

1. Items 1-14 in section 8.i.a above for Draft Category 1 SSO.

d. **Certified Category 2 SSOs**: At a minimum, the following mandatory information shall be reported for a certified Category 2 SSO report:

1. Items 1-14 in section 8.i.a above for Draft Category 1 SSO and Items 1-9, and 17 in section 8.i.b above for Certified Category 1 SSO.

e. **Certified Category 3 SSOs**: At a minimum, the following mandatory information shall be reported for a certified Category 3 SSO report:

1. Items 1-14 in section 8.i.a above for Draft Category 1 SSO and Items 1-5, and 17 in section 8.i.b above for Certified Category 1 SSO.

ix. **Reporting SSOs to Other Regulatory Agencies**

These reporting requirements do not preclude an enrollee from reporting SSOs to other regulatory agencies pursuant to state law. In addition, these reporting requirements do not replace other Regional Water Board notification and reporting requirements for SSOs.

x. **Collection System Questionnaire**

The required Questionnaire (see subsection G of the SSS WDRs) provides the Water Boards with site-specific information related to the enrollee's sanitary sewer system. The enrollee shall complete and certify the Questionnaire at least every 12 months to facilitate program implementation, compliance assessment, and enforcement response.

xi. **SSMP Availability**

The enrollee shall provide the publicly available internet web site address to the CIWQS Online SSO Database where a downloadable copy of the enrollee's approved SSMP, critical supporting documents referenced in the SSMP, and proof of local governing board approval of the SSMP is posted. If all of the SSMP documentation listed in this subsection is not publicly available on the Internet, the enrollee shall comply with the following procedure:

- a. Submit an **electronic** copy of the enrollee's approved SSMP, critical supporting documents referenced in the SSMP, and proof of local governing board approval of the SSMP to the State Water Board, within 30 days of that approval and within 30 days of any subsequent SSMP re-certifications, to the following mailing address:

State Water Resources Control Board
 Division of Water Quality
Attn: SSO Program Manager
 1001 I Street, 15th Floor, Sacramento, CA 95814

6.0 Water Quality Monitoring Requirements

To comply with subsection D.7(v) of the SSS WDRs, the enrollee shall develop and implement an SSO Water Quality Monitoring Program to assess impacts from SSOs to surface waters in which 50,000 gallons or greater are spilled to surface waters. The SSO Water Quality Monitoring Program, shall, at a minimum:

1. Contain protocols for water quality monitoring.
2. Account for spill travel time in the surface water and scenarios where monitoring may not be possible (e.g. safety, access restrictions, etc.).
3. Require water quality analyses for ammonia and bacterial indicators to be performed by an accredited or certified laboratory.
4. Require monitoring instruments and devices used to implement the SSO Water Quality Monitoring Program to be properly maintained and calibrated, including any records to document maintenance and calibration, as necessary, to ensure their continued accuracy.
5. Within 48 hours of the enrollee becoming aware of the SSO, require water quality sampling for, at a minimum, the following constituents:
 - i. Ammonia
 - ii. Appropriate Bacterial indicator(s) per the applicable Basin Plan water quality objective or Regional Board direction which may include total and fecal coliform, enterococcus, and e-coli.

7.0 Record Keeping Requirements

The following records shall be maintained by the enrollee for a minimum of five (5) years and shall be made available for review by the Water Boards during an onsite inspection or through an information request:

1. **General Records:** The enrollee shall maintain records to document compliance with all provisions of the SSS WDRs and this MRP for each sanitary sewer system owned including any required records generated by an enrollee's sanitary sewer system contractor(s).
2. **SSO Records:** The enrollee shall maintain records for each SSO event, including but not limited to:
 - i. Complaint records documenting how the enrollee responded to all notifications of possible or actual SSOs, both during and after business hours, including complaints that do not result in SSOs. Each complaint record shall, at a minimum, include the following information:
 - a. Date, time, and method of notification.
 - b. Date and time the complainant or informant first noticed the SSO.
 - c. Narrative description of the complaint, including any information the caller can provide regarding whether or not the complainant or informant reporting the potential SSO knows if the SSO has reached surface waters, drainage channels or storm drains.
 - d. Follow-up return contact information for complainant or informant for each complaint received, if not reported anonymously.
 - e. Final resolution of the complaint.
 - ii. Records documenting steps and/or remedial actions undertaken by enrollee, using all available information, to comply with section D.7 of the SSS WDRs.
 - iii. Records documenting how all estimate(s) of volume(s) discharged and, if applicable, volume(s) recovered were calculated.
3. Records documenting all changes made to the SSMP since its last certification indicating when a subsection(s) of the SSMP was changed and/or updated and who authorized the change or update. These records shall be attached to the SSMP.
4. Electronic monitoring records relied upon for documenting SSO events and/or estimating the SSO volume discharged, including, but not limited to records from:
 - i. Supervisory Control and Data Acquisition (SCADA) systems
 - ii. Alarm system(s)
 - iii. Flow monitoring device(s) or other instrument(s) used to estimate wastewater levels, flow rates and/or volumes.

8.0 Reporting to Other Regulatory Agencies

These reporting requirements do not preclude the City from reporting SSOs to other regulatory agencies pursuant to California state law. These reporting requirements do not replace other Regional Water Board telephone reporting requirements for SSOs

8.1 Office of Emergency Services

The City shall report SSOs to OES, in accordance with California Water Code Section 13271.

Office of Emergency Services
Phone (800) 852-7550

8.2 Riverside County Health Officials

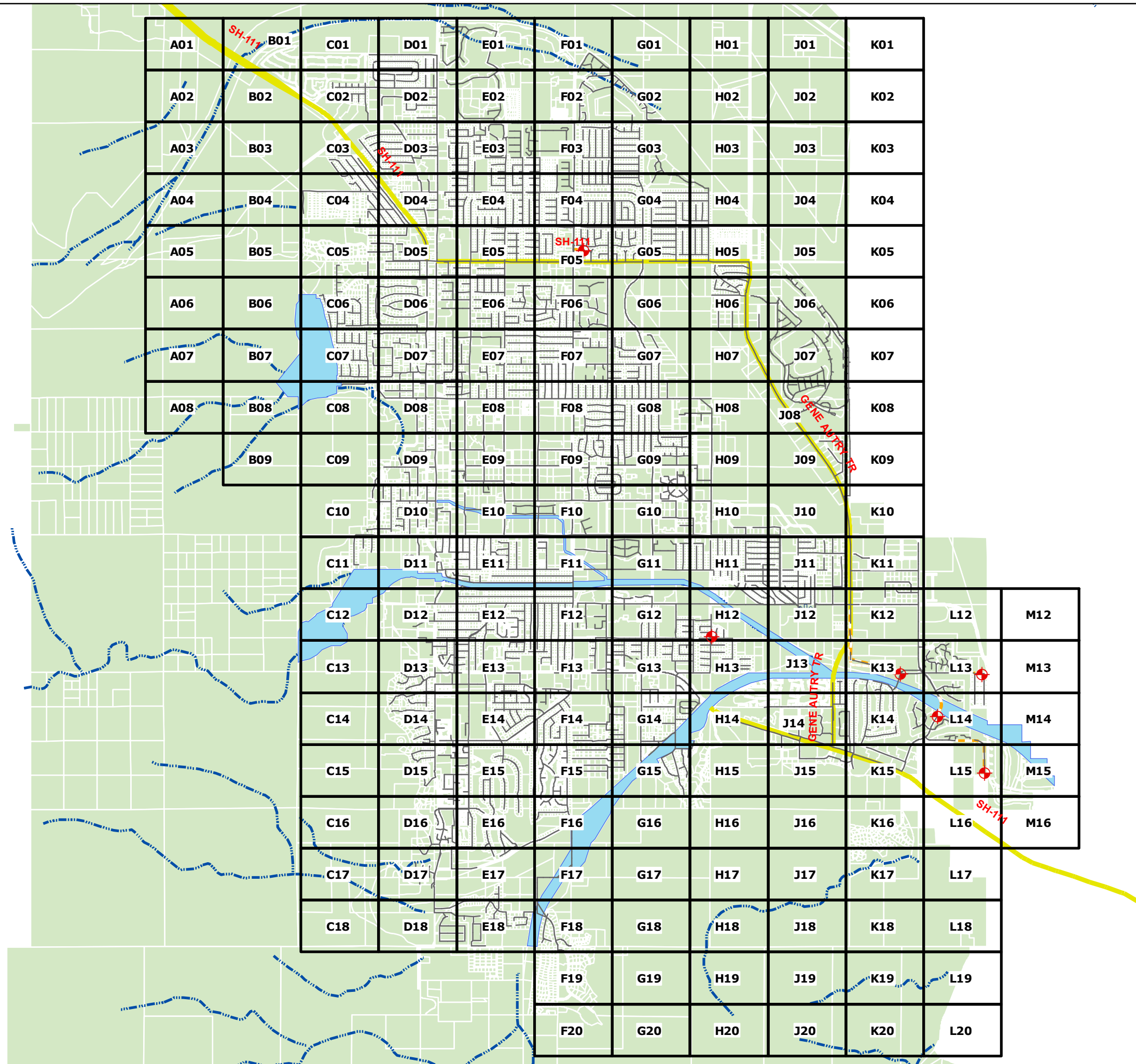
The City shall report SSOs to Riverside County Health officials in accordance with California Health and Safety Code, Section 5410.

Department of Environmental Health
Phone (760) 320-1048

9.0 Certification




1. All information required to be reported into the CIWQS Online SSO Database shall be certified by a person designated as described in subsection J of the SSS WDRs. This designated person is also known as a Legally Responsible Official (LRO). An enrollee may have more than one LRO.
2. Any designated person (i.e. an LRO) shall be registered with the State Water Board to certify reports in accordance with the CIWQS protocols for reporting.
3. Data Submitter (DS): Any enrollee employee or contractor may enter draft data into the CIWQS Online SSO Database on behalf of the enrollee if authorized by the LRO and registered with the State Water Board. However, only LROs may certify reports in CIWQS.
4. The enrollee shall maintain continuous coverage by an LRO. Any change of a registered LRO or DS (e.g., retired staff), including deactivation or a change to the LRO's or DS's contact information, shall be submitted by the enrollee to the State Water Board within 30 days of the change by calling (866) 792-4977 or e-mailing help@ciwqs.waterboards.ca.gov.
5. A registered designated person (i.e., an LRO) shall certify all required reports under penalty of perjury laws of the state as stated in the CIWQS Online SSO Database at the time of certification.

Appendix A City of Palm Springs Collection System Map Overview





Legend

Sewer Structures

-  Lift Station
-  Pump Station
-  Treatment Plant

Sewer Pipes

-  Forcemain
-  Gravity



City of Palm Springs
Collection System Inventory

Appendix B FOG Control Program Introduction

City of Palm Springs
Veolia Water NA Operating Services, LLC
Wastewater Treatment Plant
4375 Mesquite Avenue
Palm Springs, CA 92264

August, 2013

Re: Sewer Use Ordinance

Dear: Food Service Establishment Owner

During March 2006, the Palm Springs City Council adopted Ordinance No. 1682 amending Chapter 15.28 of the Palm Springs Municipal Code relating to sewer use regulations, including the adoption of fats, oils, and grease (FOG) control regulations applicable to food service establishments (FSEs). Veolia Water NA has been contracted to manage the FOG program and to oversee compliance with the Ordinance. Consequently, we are asking for your assistance and cooperation with the implementation of our FOG Program. A copy of Ordinance No. 1682, a summary of the City's Sewer Use Regulations, and a list of the required best management practices (BMPs) is enclosed.

Please:

1. Carefully read the enclosed information;
2. Implement BMPs;
3. Complete the attached Food Service Establishment Survey; and
4. Submit the completed Survey to:

Ken Huntzinger
Collection System Manager
4375 Mesquite Ave.
Palm Springs, CA 92264.

Some time in the near future, an Inspector will visit your establishment to conduct a compliance inspection.

If you have questions, please feel free to contact the undersigned at (760) 323-8166, or (ken.huntzinger@veolia.com).

Sincerely,



City of Palm Springs Wastewater Collection System Manager
Ken Huntzinger

Appendix C Service Call Work Order



Service Call Form



Call ID: _____

1. Report Information By: _____ Date: _____ Time: _____

Caller Name: _____ Telephone: _____

Address: _____ Cross-Street: _____

2. Call Type: Backup Private Backup Public Backup causing property damage

Debris Down Under Dye Test Insects Rodents Odor

Overflow Private Overflow Public Public Service Storm Drain

3. Comments/Information: _____

3. Problem in: Main Line Lateral

Storm Drain Other

4. Problem Type: Debris in Main Gravel or Rocks Grease (IPP) Industrial Waste Manhole Cover

Odor Roots in Main Soft Stoppage Surcharge Water I & I

5. Spill Details:

Entered Stormdrain or Waterway? YES NO Spill Amount: 100-999 gal 10-99 gal >= to 1000 gal

On the Ground? YES NO Less than 10 gal None

In or Under Structure? YES NO

Est. Start Date: _____ Start Time: _____ End Time: _____ Total Gal: _____

* If spill is greater than 1000 gallons, notify OES @ 1-800-852-7550. OES Report #: _____

Vol. Contained (gal): _____ Vol. Uncontained not in StateWaters (gal): _____

Vol. that Reached StateWaters (gal): _____ Weather Type: Dry Heavy Rain Light Rain

6. Problem Location: *Line Segment:* Up Manhole # _____ Down Manhole # _____

Feet Cleared: _____ Feet to Blockage: _____

7. Status & Follow-up: _____ Date Completed: _____

Recommended Action: CCTV Clean Follow-up Inspection

Follow-up Priority: Emergency High Medium Low

Caller Notify Date: _____ Caller Notify Time: _____ Notify By: _____

8. Personnel: Operator Name: A) _____ B) _____ Hours: A) _____ B) _____

9. SC Vehicle: Truck Number: _____ Hours: _____

Appendix F – Fats, Oils and Grease Control Program



FATS, OILS AND GREASE CONTROL PROGRAM



Prepared By

Veolia Water North America – Palm Springs

Prepared For

**City of Palm Springs
Palm Springs, California**

David Barakian
Director of Public Works/City Engineer

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- F. Best Management Practices
- G. Kitchen BMPs Poster
- H. Grease Control Device Incentive Staff Report
- I. List of Food Service Establishments (FSEs) [December 2013]
- J. FSE Inspection Report
- K. FSE Mandatory Service Order
- L. Grease Interceptor Schematic

INTRODUCTION

Sanitary sewer overflows (SSOs) have become a major concern to wastewater agencies across the State of California. To provide a consistent, statewide regulatory approach to address SSOs, the State Water Resources Control Board (State Water Board) adopted Statewide General Waste Discharge Requirements (WDRs) for Sanitary Sewer Systems, Water Quality Order No. 2006-0003 (Sanitary Sewer Order) on May 2, 2006. The Sanitary Sewer Order requires public agencies that own or operate sanitary sewer systems to develop and implement sewer system management plans (including a Fats, Oils, and Grease (FOG) control program), and report all SSOs to the State Water Board's online SSO database. Veolia Water NA (Veolia) has been contracted by the City to manage the development and implementation of the FOG control program.

SSOs can be attributed to root growth, poor conditions of the sewer segments, wet weather flows, or any combination of these causes. It is estimated that more SSOs are caused by FOG blockages than by any other factor, prompting state and local regulating agencies to focus on FOG Control Program development as a key element of SSO control. The primary goal of a FOG Control Program is to reduce blockages and SSOs and to protect public health and the environment by minimizing public exposure to unsanitary conditions. By controlling the discharge of FOG to the sanitary wastewater collection system, FOG buildup in sewer segments can be lessened, thereby increasing the system's operating efficiency and reducing the number of sewer segment blockages and SSOs.

During March 2006, the Palm Springs City Council (City) adopted Ordinance No. 1682 amending Chapter 15.28 of the Palm Springs Municipal Code relating to sewer use regulations, including the adoption of FOG control regulations applicable to food service establishments (FSEs). Guidance from the United States Environmental Protection Agency for the development of a Capacity, Management, Operation, and Maintenance (CMOM) Program was used as a benchmark during the development of the City's Ordinance. The FOG Control Program is managed under the authority of the City's Department of Public Works and Engineering.

FSEs within the City must have grease control devices; however some may not consistently maintain and service them. As a result, the City must perform additional preventive maintenance on sewer segments that service these facilities. For example, the City must respond to and clear blockages and clean up SSOs caused by improper FOG disposal practices and poor grease control device maintenance. Additionally, odors often result from poorly maintained grease control devices. Odors may generate complaints from the public and also require immediate response by the City's collection system crews.

Essentially, City Ordinance No. 1682 requires FSEs to follow best management practices (BMPs). BMP education for FSEs is provided through personal contacts, outreach materials (BMP posters, etc.) and during inspection and monitoring of the program participants. Additionally, the program includes a financial subsidy through its Grease Control Device Incentive Program.

1.0 Purpose and Organization

The purpose of the FOG Control Program is to facilitate the maximum beneficial public use of the City's sanitary sewer collection system while preventing blockages of sewer segments resulting from discharges of FOG to the system. Additionally, it specifies appropriate FOG discharge requirements for FSEs discharging into the City's sewer system in order to protect the public health and safety, and the environment. This program applies to the direct or indirect discharge of all wastewater containing FOG into the City's sanitary sewer collection system.

FOG discharged to the sewer system can accumulate along sewer pipe walls coating pipes until wastewater flow through the line is restricted, causing blockages and SSOs. SSOs may result in property damage, environmental problems in nearby drainage channels and surface waters, and public health hazards. There has been an increased emphasis on preventing SSOs recently, in part because new collection system requirements have been issued by state water resource authorities.

1.1 Mission Statement

The Mission of the FOG Control Program is to reduce sewer system blockages and SSOs and to protect public health and the environment.

In accordance with the program's Mission Statement, the City's FOG Control Program includes, but is not limited to the following:

1.1.1 Characterizing FOG Sources. This effort involves identifying the potential FSE sources of FOG. The identification of these sources results in a more effective utilization of City resources.

1.1.2. Understanding the Regulatory Requirements. This step entails researching and listing regulatory requirements and identifying the legal framework for program development and implementation.

1.1.3. Establishing Program Administration. This step involves identifying City agency and contractor organizational structures.

1.1.4. Developing the FOG Control Program. This step entails developing the overall FOG Control Program for FSEs; including selection of an approach for regulating the facilities (e.g., incentives, education, and enforcement), establishing FOG handling and disposal practices, and developing a FSE database.

1.1.5. Providing Outreach. This step involves informing FSEs and the public of FOG control methods. These activities may entail establishing an outreach focus, arranging stakeholder meetings, providing BMP information, and circulating educational materials.

1.1.6. Inspecting FSEs. This step includes implementation of inspection methods and tools to ensure compliance with regulatory requirements and to establish proper FOG handling and disposal procedures.

2.0 Characterizing FOG Sources

FSE *means* facilities defined in California Uniform Retail Food Facilities Law (CURFFL), California Health and Safety Code Section 113785, and any commercial entity within the boundaries of the City, operating in a permanently constructed structure such as a room, building or place, or portion thereof, maintained, used or operated for the purpose of storing, preparing, serving, or manufacturing, packaging, or otherwise handling food for sale to other entities, or for consumption by the public, its members or employees, and which has any process or device that uses or produces FOG, or grease vapors, steam, fumes, smoke or odors that are required to be removed by a Type I or Type II hood, as defined in CURFFL Section 113785. A limited food preparation establishment means any commercial entity engaged only in reheating, hot holding, or assembly or ready-to-eat food products and as a result, there is no wastewater discharge containing a significant amount of FOG. A limited food preparation establishment is not considered a FSE.

The City has determined the locations of FSEs within Palm Springs and areas within the collection system that require frequent maintenance, how these trouble areas are related to FOG discharges, and where the FOG originates. Since FOG blockages are a “middle of-the-pipe” problem, it is necessary to evaluate ongoing collection system maintenance, as well as all potential sources of blockages, to provide a complete and accurate picture of what may contribute to SSOs. This information allows collection system management to determine where its resources should be focused to control FOG discharges and reduce SSOs and operational problems efficiently and in a cost effective manner. Records of collection system maintenance activities are electronically archived in the City’s asset management system (ICOM3) and reviewed to ascertain any useful information on the causes of blockages and SSOs and locations of any FOG-related trouble areas. The current system for reviewing these records is outlined below:

1. Identify any particular problem sites within the collection system based on blockages and SSOs, extent of cleaning frequency, odor reports, and any other type of citizen complaints.
2. Review collection system operators’ work order notes, especially on the type of materials being removed during cleaning. A standardized procedure for data collection has been implemented based on the following action items:
 - a. Introduction of standardized work orders for recording specific information (cleaning, repair, etc.) during maintenance work.
 - b. Distribution of log books laptop computers to keep with the maintenance/inspection vehicles for recording information during drive-by inspections.
 - c. Implementation of a closed circuit television (CCTV) inspection program.

3. Compile the information and categorize the trouble areas by the cause of the operational problems (e.g., roots, FOG, structural issues).
4. Produce collection system maps that show the spatial relationships between the trouble areas and specific areas of the municipality (e.g., high density or single family residential areas, business districts, and restaurant districts).
5. Use of Geographic Information System (GIS) information to determine rate of occurrence and severity of FOG-related trouble areas and their correlations with upstream use (the City utilizes GIS for mapping and data management that contains land use information to be updated as required).
6. Program resources are allocated according to the characterization and source(s) at each FOG-related trouble area. For example, if FOG is accumulating downstream of a residential area, resources will be directed towards public education. However, if FOG problems are occurring downstream of restaurants and business districts, the City will direct the focus of its program resources on informing FSEs and grease haulers toward compliance with FOG regulations.

3.0 Waste Discharge Requirements

The strategy and approach of the FOG Control Program is based on recognized and agreed-upon goals, developed by program personnel with input from other municipal or regulatory agencies.

For example, wastewater treatment agencies want to see improved performance at the wastewater treatment plant, collection system operators want to minimize blockages and SSOs and sewer maintenance demands. Stormwater agencies want to keep FOG out of the storm drains, and more importantly, public health authorities want to prevent health hazards and stop the contamination of local drainage channels and waterways. These goals and their timelines are recognized and have been incorporated into the FOG Control Program since the onset of program development.

3.1 Regulatory Requirements

The State Water Board oversees water quality in the State of California, including the Colorado River Basin Regional Water Quality Control Board Region 7 where the City of Palm Springs is located. During May 2006, the State Water Board ordered (Order No. 2006-0003) and found that:

1. All Federal and state agencies, municipalities, counties, districts, and other public entities that own or operate sanitary sewer systems greater than one mile in length that collect and/or convey untreated or partially treated wastewater to a publicly owned treatment facility in the State of California are required to comply with the terms of the WDR.
2. SSOs are overflows from sanitary sewer systems of domestic wastewater, as well as industrial and commercial wastewater, depending on the pattern of land uses in the area served by the sanitary sewer system. SSOs often contain high levels of suspended solids, pathogenic organisms, toxic pollutants, nutrients, oxygen-demanding organic

compounds, oil and grease and other pollutants. SSOs may cause a public nuisance, particularly when raw untreated wastewater is discharged to areas with high public exposure, such as streets or surface waters used for drinking, fishing, or body contact recreation. SSOs may pollute surface or ground waters, threaten public health, adversely affect aquatic life, and impair the recreational use and aesthetic enjoyment of surface waters.

3. Sanitary sewer systems experience periodic failures resulting in discharges that may affect waters of the state. There are many factors (including factors related to geology, design, construction methods and materials, age of the system, population growth, and system operation and maintenance), which affect the likelihood of an SSO. A proactive approach that requires a system-wide operation, maintenance, and management plan is in place will reduce the number and frequency of SSOs within the state. This approach will in turn decrease the risk to human health and the environment caused by SSOs.

4. Major causes of SSOs include: grease blockages, root blockages, sewer line flood damage, manhole structure failures, vandalism, pump station mechanical failures, power outages, excessive storm or ground water inflow/infiltration, debris blockages, sanitary sewer system age and construction material failures, lack of proper operation and maintenance of grease control devices, insufficient capacity and contractor-caused damages. Many SSOs are preventable with adequate and appropriate facilities, source control measures, and operation and maintenance of the sanitary sewer system.

5. To facilitate proper funding and management of sanitary sewer systems, each system operator must develop and implement a system-specific Sewer System Management Plan (SSMP). Each system operator must evaluate its service area to determine whether a FOG control program is needed. If FOG is found to be a problem, the system operator must prepare and implement a FOG source control program to reduce the amount of these substances discharged to the sanitary sewer system.

To be effective, SSMPs must include provisions to provide proper and efficient management, operation, and maintenance of sanitary sewer systems, while taking into consideration risk management and cost benefit analysis. Additionally, an SSMP must contain a spill response plan that establishes standard procedures for immediate response to an SSO in a manner designed to assure public health and safety, minimize water quality impacts and avoid potential nuisance conditions.

6. Information regarding SSOs must be reported to Regional Water Boards and other regulatory agencies in a timely manner. When requested, the same information should be made available to the public.

The Palm Springs Sanitary Sewer Collection System is composed of approximately 250 miles of clay, gravity flow collection segments, ranging from 6" to 42" in diameter, with approximately 5,000 pre-cast concrete and brick manholes, and five sewer lift stations. Therefore, State Water Board Order No. 2006-0003 applies directly to the City of Palm Springs Sanitary Sewer Collection System.

In the past, SSOs have occurred in the sanitary sewer collection system at various locations around the City. Areas where there is increased potential for SSOs have been identified and they are inspected and cleaned on a regular schedule ranging in frequency from 28 to 182 days.

The City's sanitary sewer and storm water conveyance systems operate independently and are maintained separately and distinctly from each other. Both are maintained by collection system maintenance crews under contract with the City.

3.2 Legal Framework

The legal framework for protocols for entry upon and inspection of FSEs' premises, identification of violations, notification of corrective action, and enforcing compliance are specified in Ordinance No. 1682 which amended Chapter 15.28 of the Palm Springs Municipal Code, Title 15 Water and Sewers (Appendix A).

4.0 Program Administration

4.1 City Agency Structure

The Director of the Department of Public Works & Engineering, Mr. David J. Barakian is responsible for Engineering, Street Maintenance, Facilities Maintenance, Street Cleaning, Traffic Signal Maintenance and all Wastewater Pretreatment Plant (WWTP) activities (Collections, Maintenance, Operations) (Appendix B).

Mr. Barakian's office is located at City Hall. His telephone number is (760) 323-8253.

The Director of the Department of Building & Safety, Mr. Jim Zicaro is responsible for Building and Safety (Inspection, Plan Review, Permit Center, Building Permit Records, and Code Compliance and Enforcement) and ADA Compliance (Appendix B).

Mr. Zicaro's office is also located at City Hall. His telephone number is (760) 323-8242 x8722.

4.2 Veolia Water, City of Palm Springs Subcontractor Structure

The Veolia Project Manager, Mr. Jack Martin is ultimately responsible for all WWTP Operations, Maintenance, Collection and SSMP activities and the FOG Control Program (Appendix C).

The Veolia Maintenance Manager, Mr. Doug Loar is responsible for all WWTP Maintenance and Collections activities (Appendix C).

The Veolia Operations Manager, Mr. Juan Garcia is responsible for all WWTP Operations activities (Appendix C).

The Veolia Collections Manager, Mr. Ken Huntzinger is responsible for all Collection and SSMP activities and the FOG Control Program (Appendix C).

The Veolia FOG Compliance Inspector, Mr. Bernie Vaca is responsible for FSE inspections and follow-up inspections, and FSE database management (Appendix C).

Veolia offices are located at 4375 Mesquite Avenue in Palm Springs, California 92264. The main telephone number is (760) 323-8166.

5.0 Fog Control Program

5.1 Program Approach

The FOG Control Program utilizes several options for regulating FSEs including program administration through an ordinance, education, a grease control device subsidy program, and enforcement.

Program Administration through an Ordinance

Ordinance No. 1682 amended the City's existing sewer use regulations to include regulations applicable to FSEs, including restaurants and cafeterias, to limit FOG from entering the private and public sewer system, prevent SSOs, establish BMPs, and provide for penalties and enforcement options.

Education

The FOG Program includes training and cross-training of personnel required to carry out the program. The Compliance Program Manager, Compliance Inspector, and Collection Systems Technicians meet regularly to review practices that apply to FOG control. They receive training through simulated exercises, joint responses with agencies, such as Riverside County Department of Environmental Health, and the City's Fire and Building departments, to actual FOG related situations, regular tailgate and safety meetings, as well as monthly refresher course attendance and testing.

The FOG Program is introduced to FSEs and they are provided with educational materials (Appendix D). Palm Springs is a destination resort community and as such, the restaurant business is essential to the local economy. Therefore, the FOG Control Program is administered with an approach that promotes and encourages FSE compliance with the program.

Grease pumpers and haulers (Appendix E) are included in the FOG education program through meetings and conferences regarding FOG removal practices, regulations and ordinances. The City recognizes that grease control device maintenance contractors are essential to the success of the program. Conferences held at the initial phases of the FOG Program, and continued meetings with the pumpers and haulers have furthered the goals of the program. Written communication and shared discussion of Ordinance 1682 informs these contractors of their role in the control of FOG related SSOs and stoppages. Further, by apprising grease waste haulers who service local FSEs of the regulations set forth in California State Assembly Bill No.1333, Chapter 186 relating to licensing, transport and disposal of FOG, the City notifies these contractors that the Palm Springs FOG Control Program is a state-mandated public program which they are obligated to adhere to.

BMPs are emphasized in the control of grease in FSE discharges. During the introductory phase of the program FSEs receive notification of BMPs as part of an introductory packet. The packet includes a copy of Ordinance No. 1682 and other important information. This introduction is followed by an initial inspection after approximately 30 days. Methods and practices for cleaning and washing utensils, dishes and pots and pans (e.g. dry-wiping), and wastewater disposal are surveyed and discussed, and grease control and containment devices are inspected for operational efficiency (Appendices F and G).

Incentive

The Palm Springs Grease Control Device Subsidy Program was intended to encourage FSEs operating within the City limits to reduce or eliminate the FOG that is discharged into the sanitary sewer collection system. The City of Palm Springs invites FSEs to participate in a direct subsidy program where the City provides financial subsidies to install or upgrade grease control devices in order to comply with Ordinance No. 1682 (Appendix H).

The Palm Springs Grease Control Device Incentive Program will allow eligible FSEs one time grants in the amount of:

- 50% of the cost for a grease trap up to \$1,500 each (limit two per FSE), or;
- 50% of the cost for a grease interceptor up to \$10,000

Costs that are eligible for partial reimbursement under this program include:

- New, replacement, and expanded grease control devices;
- Grease traps and grease interceptors as defined in Ordinance #1682; and
- Associated appurtenances and installation costs

Enforcement

FOG Program management aligns with City, county, and state permitting, oversight, and enforcement jurisdictions within the program area. FOG Program management may contact, upon occasion, departments within the City such as Planning and Engineering, Building and Safety Code Enforcement for the purpose of seeking FSE data or for assistance with maintaining FSE compliance with the program. Certain situations may call for assistance and enforcement from the Riverside County Department of Environmental Health.

FOG Program management developed and maintains on an ongoing basis a database of approximately 200 operating FSEs (Appendix I) within the service area. The number of FSEs in the City varies due to FSE closures and openings. Inspections are documented upon each visit through the use of a written (triplicate copy) FSE Inspection Report (Appendix J). The report includes the name of the FSE, location address, and information pertinent to the FOG control methods and device(s) at each location. FSEs receive a copy of this report at the end of each inspection. Notations of corrective action required are followed up on, and further remarks are noted upon subsequent visits at which time the FSE owner/operator will receive the second copy.

The third copy is reserved for archival use. Records and files of FSEs are maintained at the Wastewater Treatment Plant offices. The FOG Program urges compliance primarily through

mandatory BMPs and compliance inspections. If necessary, a continuous sampling or monitoring program may be conducted. The Compliance Inspector evaluates FSE BMPs, grease control device operation, and maintenance/service records in order to assess compliance and potential impacts upon FSE building sewers and the City's sewer collection system. When necessary, FSEs are directed to take corrective action in order to meet the requirements of the FOG Program (Appendix K). Ordinance No. 1682 provides a benchmark for a continued monitoring program in that the FSEs are required to service grease control devices at a minimum of every six months. In many cases, two service calls per year are insufficient to keep a FSE in compliance. Through continued monitoring however, FOG Program management is better able to determine an appropriate rate of servicing frequency for specific FSEs. Notification to a FSE of the need to increase service maintenance frequency is considered to be a necessary corrective action.

The FOG Program effects compliance through additional enforcement measures as needed. In all cases, the Compliance Inspector will notify and encourage the FSEs to observe the requirements set forth in the City's Municipal Code as regards the FOG Program. If the Inspector is unsuccessful in securing participation from a FSE, that FSE is then referred to the FOG Program Manager. The Program Manager then brings his experience and expertise to the field and attempts to persuade the non-compliant FSE of the potential harm to FSE employees and customers, public health and safety that may arise in the event of wastewater violations due to FOG-related conditions. In the event the FOG Program Manager fails in his attempts to bring the FSE into compliance with Ordinance No. 1682, the matter may then be referred to the Code Compliance branch of the City's Department of Building and Safety, or the Riverside County Department of Environmental Health, or both as the condition may merit.

5.2 Acceptable FSE FOG Handling and Disposal Practices

The acceptable FOG handling and disposal practices are a combination of BMPs and regulatory requirements as mandated by the City's Ordinance and include but are not limited to the following:

- **Installation of Drain Screens.** Drain screens must be installed on all drainage pipes in food preparation areas.
- **Segregation and Collection of Waste Cooking Oil.** All waste cooking oil must be collected and stored properly in recycling receptacles such as barrels or drums. Such recycling receptacles must be maintained properly to ensure that they do not leak. FSEs must use licensed waste haulers and licensed recycling facilities to dispose of waste cooking oil.
- **Disposal of Food Waste.** All food waste must be disposed of directly into the trash or garbage, and not in sinks.
- **Employee Training.** Employees of FSEs must be trained by ownership/management, upon commencement of employment and at least annually thereafter, on the following subjects:
 1. How to "dry wipe" pots, pans, dishware and work areas before washing to remove grease.
 2. How to properly dispose of food waste and solids in enclosed plastic bags prior to disposal in trash bins or containers to prevent leaking and odors.

3. The location and use of absorption products to clean under fryer baskets and other locations where grease may be spilled or dripped.
 4. How to properly dispose of grease or oils from cooking equipment into a grease receptacle such as a barrel or drum without spilling.
5. Training must be documented and employee signatures retained on site at the FSE indicating each employee's attendance and understanding of the practices reviewed.
- **Kitchen Signage.** Best management and waste minimization practices must be posted conspicuously in the food preparation and dishwashing areas at all times.
 - **Odors.** Grease control devices must be installed and maintained, as necessary, so as to prevent odors, cross-contamination, sewer back-ups or SSOs.
 - **Containers.** Grease rendering containers must be installed and properly maintained.
 - **Record Keeping.** FOG-related documents must be maintained and must include: 1) employee training records; 2) grease control device (trap or interceptor) maintenance and cleaning records; 3) on property SSO records; 4) plumbing maintenance records; 5) rendering grease disposal records; 6) name and contact information of waste hauler; and 7) disposal site.

Additionally, the City of Palm Springs Municipal Code (15.28.136) establishes that:

- FSEs must provide wastewater acceptable to the City, under the established requirements and standards before discharging to any sewer facility. Any FSE required to pre-treat wastewater must install, operate, and maintain an adequately sized grease interceptor or grease trap, approved by the building official, necessary to maintain compliance.
- Grease interceptor sizing, type, and capacity and installation shall conform to the current edition of the California Plumbing Code and be approved by the building official. Grease interceptors shall be constructed in accordance with the design approved by the building official and shall have a minimum of two compartments with fittings designed for grease retention and a sample box.
- The grease interceptor shall be installed at an exterior location where it shall be at all times easily accessible for inspection, cleaning, and removal of accumulated grease. Access manholes, with a minimum diameter of twenty-four inches, shall be provided over each grease interceptor chamber and sanitary tee. The access manholes shall extend at least to finished grade and be designed and maintained to prevent water inflow or infiltration.
- Grease interceptor manholes shall also have readily removable covers to facilitate inspection, grease removal and wastewater sampling activities. Grease interceptors shall be maintained in efficient operating condition by periodic removal of the full content of the interceptor which includes wastewater accumulated FOG, floating materials, sludge and solids.
- All existing and newly installed grease interceptors shall be maintained in a manner consistent with a maintenance frequency approved by the building official.
- FOG that has accumulated in a grease interceptor shall not be allowed to pass into any sewer lateral, sewer system, storm drain, or public right-of-way.

- FSEs with grease interceptors may be required to submit data and information necessary to establish the maintenance frequency of grease interceptors
- The maintenance frequency for all FSEs with a grease interceptor shall be determined in one of the following methods:
 - Grease interceptors shall be fully pumped out and cleaned at a frequency such that the combined FOG and solids accumulation does not exceed twenty-five percent of the total liquid depth of the grease interceptor. This is to ensure that the minimum hydraulic retention time and required available volume is maintained to effectively intercept and retain FOG discharged to the sewer system.
 - All FSEs with a grease interceptor shall maintain their grease interceptor not less than every six months. Grease interceptors shall be fully pumped out and cleaned quarterly when the frequency described above has not been established. The maintenance frequency shall be adjusted when sufficient data have been obtained to establish an average frequency based on the requirements described above and guidelines adopted pursuant to the FOG control program. The City may change the maintenance frequency at any time to reflect changes in actual operating conditions in accordance with the FOG control program. Based on the actual generation of FOG from the FSE, the maintenance frequency may increase or decrease.
 - If the grease interceptor, at any time, contains FOG and solids accumulation that does not meet the requirements described above, the FSE operator shall be required to have the grease interceptor serviced immediately such that all FOG, sludge, and other materials are completely removed from the grease interceptor. If deemed necessary, the building official may also increase the maintenance frequency of the grease interceptor from the current frequency.
- FSEs may be required to install grease traps in the waste line leading from drains, sink, and other fixtures or equipment where grease may be introduced into the sewer system in quantities that may cause blockage. Grease traps have limited effect and should only be used in those cases where the use of a grease interceptor or other grease control device is determined to be impossible or impractical.
- Prior to receiving a plumbing permit from the city, an applicant shall submit to the building official a stamped and signed copy of installation plans indicating that the Riverside County Health Department has approved the grease trap location.
- Sizing and installation of grease traps shall conform to the current edition of the California Plumbing Code.
- Grease traps shall be maintained in efficient operating condition by removing accumulated grease at a frequency approved by the building official.
- Grease traps shall be maintained free of all food residues and any FOG waste removed during the cleaning and scraping process.

- Grease traps shall be inspected periodically to check for leaking seams and pipes, and for effective operation of the baffles and flow-regulating device. Grease traps and their baffles shall be maintained free of all caked-on FOG and waste. Removable baffles shall be removed and cleaned during the maintenance process.
- Dishwashers and food grinder units shall not be connected to or discharged into any grease trap.

5.3 FOG and Cooking Oil Disposal/Recycling

FSEs' FOG waste and cooking oil wastes are not currently accepted at the City's wastewater treatment plant. Depending on the type and quality of these wastes, FSEs and grease haulers/pumpers may bring these wastes to one of the following nearby facilities for recycling:

- **California Bio-Mass, Inc., 83-109 Avenue 62, Thermal, CA**

This company receives FOG (brown grease) that it adds to its organic waste composting facility.

- **Imperial Western Products, Inc., 86-600 Avenue 54, Coachella, CA**

This company collects and transports FOG cooking oils (yellow grease) that are ultimately used to make biodiesel.

5.4 Database

In order to facilitate the record keeping process and to provide easy access to the compiled information, a FSE database is maintained by the City as part of the overall FOG program (Appendix I). Information used to create the initial FSE database includes, but is not limited to, City Business License issuances and Environmental Health certification records and the yellow pages. A physical survey of the city's sewer service area is also regularly conducted by vehicle and on foot. Accordingly, the FSE database is updated to reflect FSE additions, closures, changes of ownership, and so forth.

6.0 Outreach

6.1 Outreach Focus

The primary goal of the Palm Springs' FOG Program is firmly embedded in the Mission Statement stated herein. Public health safety, and protection of the environment from sanitary sewer overflows and blockages, is the focus of the program. The program is inclusive in that it allows FSE owners and employees, grease haulers and recyclers, to become stakeholders of the FOG Management Program. With full participation, problems with SSOs are minimized, fewer odor complaints may be reported, and businesses as a whole in the community may be the beneficiaries of a consistently applied program.

6.2 Stakeholder Meetings

In addition to introductory meetings with all known FSES, the FOG Program was introduced at meetings held separately with the Palm Springs Hospitality Association, Palm Canyon Drive, Downtown & Uptown (the Main Street Business Association), and area grease haulers and pumpers. Additionally, FOG Program management maintains regular contact with the City's engineering and building and safety departments, as well as the Riverside County environmental health and safety office located in Palm Springs.

6.3 Outreach Materials

The outreach program utilizes informational and operational resource materials for FSEs. For example, each FSE is provided with a packet of printed material which includes a copy of the City ordinance, materials outlining proper grease disposal methods, BMPs and contact information in the event the FSE should seek additional assistance from the program administrators, a list of list of licensed grease haulers and recyclers, and design specification depictions for a typical grease interceptor (Appendix L). FSEs are also provided with an application for the City's Grease Control Device Incentive Program should the FSE wish to participate in the direct subsidy program where the City provides financial incentives to install or upgrade grease control devices.

7.0 Inspecting Food Service Establishments

7.1 Inspection Approach

Within a period of approximately 30 – 40 business days following the introduction to the FOG Program, each FSE undergoes an inspection of its kitchen facilities with emphasis on discussing the importance of BMPs for grease control. The inspector asks to see documentation including Environmental Health Safety Facility Identification, required kitchen signage, grease waste hauler contracts or invoices, employee training records, etc. The inspector will also conduct an inspection of the plumbing facilities, assuring approved connections entering into and discharging from the grease control device.

The grease interceptor is also inspected for sizing and condition of the apparatus and odors. Non-compliant FSEs will be required to service their devices within a set time period according to the level and/or nature of the violation. Follow-up inspections are held within fifteen days of notice to correct the problem. For corrections that may take more time to implement; FSEs may be given up to 30 days. The FOG Compliance Inspector gives the FSE manager or owner a copy of the report upon completion of each inspection.

7.2 Training

An inclusive approach is utilized in the FOG Program in that the effort of the program is shared among management, compliance personnel, and sewer system collection and maintenance staff. This structure allows for communication between the administrative levels of the City in matters

pertaining to FOG-related issues. Input from both City Staff and Veolia field crews is continually incorporated to ensure a current compliance program. Front line employees meet regularly to assure a better understanding of the FOG characteristics for a particularly impacted area. The data assembled (SSO / sewer jetting reports, photograph images, etc.) allow the compliance inspector to approach the violating FSE with summary basis for persuading the FSE into compliance.

The FOG Program Manager assures that the compliance inspector receives the highest level of training available through regular attendance at annual FOG Conferences and regional or local training seminars. Through regular attendance at conferences and seminars, compliance personnel develop a broader knowledge of the field by interacting with others in the FOG control industry. The gathering of knowledge from a broad spectrum of professionals assists FOG Program representatives in the formulation of techniques applicable specifically to the City of Palm Springs.

7.3 Inspections and Sampling

The City of Palm Springs inaugurated the FOG Compliance Program in September of 2006. Introduction and initial inspections were conducted based upon a list provided by the City of known FSEs operating within the City's boundaries.

Prior to its initial inspection, each FSE received a written notification of the program; it was included in a packet which also included a survey request form. Survey information assists the inspector by providing information regarding grease handling and hauling, volume of GCD, and final disposal of FOG product. It is at the time of delivery of this packet that the Compliance Inspector displays his credentials (photo I.D.) and introduces himself to the FSE manager/owner. Contact information (business card) is provided to the FSE in the event owner / manager may wish to contact the inspector at any time.

Initially, inspections were conducted based upon the alphabetical listing of the establishments. However, non-compliant FSEs and the required follow-up inspection process began to form a system of prioritizing inspections that offered increased efficiency for assuring compliance. For example, if re-inspection procedures required deviation from the established (alphabetical) method, numerous non-compliant FSEs increased the problem. Additionally, situations such as FSEs encountered and not listed, or listed FSEs no longer operating, necessitated updating the FSE list.

7.4 Follow-Up Procedures

As previously indicated, inspections are documented upon each visit. FSEs receive a copy of the inspection report with notations of corrective action required at the end of each inspection. Follow-up inspections are conducted within one week to a month, depending on the corrective action required, and further remarks are noted upon subsequent visits at which time the FSE owner/operator will receive the second copy.

If the FSE fails to take the required corrective actions, the FSE is referred to the FOG Program Manager. The Program Manager reiterates the Ordinance requirements for the non-compliant FSE and expresses the potential harm to FSE employees and customers, public health and safety

that may arise in the event of wastewater violations due to FOG-related conditions. In the event the FOG Program Manager fails in his attempts to bring the FSE into compliance with Ordinance

No. 1682, the matter may then be referred to the Code Compliance branch of the City's Department of Building and Safety, or the Riverside County Department of Environmental Health, or both as the condition may merit.

Further, and if necessary, the City may conduct a continuous sampling or monitoring program.

7.5 Hierarchy of Enforcement Responses

According to the City's Ordinance, the Director of Public Works and other duly authorized employees of the City bearing proper credentials and identification have the authority and right to enter and go upon any premises in the City at all reasonable hours for the purposes of inspection, observation, measurement, sampling and testing in accordance with provisions of the City Code (Chapter 15.28.139) and when needed in furtherance of effective and efficient management and operation of the municipal sewage works system.

No person shall fail or refuse to permit entry of any premises or building by any of the City officials for any purpose specified above, or interfere with, hinder or obstruct any such official in the performance of his/her duties.

Whenever a FSE is found to be violating any provision of the FOG control regulations, the FSE may, in lieu of legal action or enforcement procedures, be served by the building official or director of public works with a written notice stating the nature of the violation and ordering whatever corrective action is appropriate under the circumstances. Each order shall prescribe a time within which the order is to be complied with. The period of time prescribed shall not be less than five days, except that a shorter period of time may be prescribed in any case where, in the judgment of the official serving the notice, an extreme problem exists which constitutes an immediate threat to the public health, safety or welfare.

Failure, neglect or refusal of any person served with such an order to comply with the directions contained in the order, within the time prescribed in the order, is unlawful, unless an appeal has been filed with the City Manager and has been allowed or is pending by or before the City Manager.

If an appeal is disallowed by the City Manager, such action is final, but the period for compliance with the order may be extended by the City Manager, and the failure, neglect or refusal to comply with the order within the new time prescribed is unlawful.

Any person, whether as principal, agent, employee or otherwise, acting on behalf of the FSE, who violates any provision of the FOG control regulations, or who fails to comply therewith, or who violates or fails to comply with any order or regulation, is punishable as specified in Sections 1.01.140 and 1.01.150 of the City Code. Any such person further is guilty of a separate offense for each and every day during which any such violation or failure to comply is committed, continued or maintained.

Any person violating any of the provisions of the FOG control regulations shall become liable to the City for any expense, loss or damage occasioned to the City by reason of such violation.

8.0 Record Keeping

8.1 Documentation

Maintaining accurate records of all activities related to controlling FOG discharges from FSEs is essential to conducting a successful program. Regularly updated documentation is maintained to provide the names and domiciles of known FSEs within the City's sanitary sewer service area. Additional information that is stored within the FOG Program database includes:

1. Inspection Reports, Complaint Response Records (with FSE-specific detail)
2. Photographic documentation (recording condition of GCI at time of inspection)
3. Miscellaneous correspondence, notes, etc. (communication, outreach, etc.)
4. FOG compliance training records (training conferences, seminars, meetings, etc. attended by the inspector).

Appendix A - City of Palm Springs; Ordinance No. 1682

ORDINANCE NO. 1682

AN ORDINANCE OF THE CITY OF PALM SPRINGS, CALIFORNIA, AMENDING CHAPTER 15.28 OF THE PALM SPRINGS MUNICIPAL CODE, RELATING TO SEWER USE REGULATIONS, INCLUDING THE ADOPTION OF FATS, OILS, AND GREASE CONTROL REGULATIONS APPLICABLE TO FOOD SERVICE ESTABLISHMENTS.

City Attorney's Summary

This Ordinance amends the City's existing sewer use regulations to include regulations applicable to food service establishments, including restaurants and cafeterias, to limit fats, oils, and grease from entering the private and public sewer system, prevent sewer system overflows, establish best management practices, and provide for penalties and enforcement options.

The City Council of the City of Palm Springs finds:

- A. Pursuant to Const. art. XI, § 3, Const. art. XI, § 5, Const. art. XI, § 7, Govt. Code §§ 38900 – 38902, and Health & Safety Code §§ 5470 - 5474.10, the City of Palm Springs has the authority to adopt ordinances relating to the provision of sewer services and facilities, as well as the authority to adopt regulations of those services and facilities.
- B. Sanitary sewer overflows (“SSOs”) often caused by discharge of wastewater containing high levels of fat, oils and grease (“FOG”), suspended solids, pathogenic organisms, and other pollutants, may result in the temporary failure to meet applicable water quality objectives, pose a threat to the public health, adversely affect aquatic life, and impair the public recreational use and aesthetic enjoyment of surface waters within the City's service area.
- C. FOG is a primary cause of SSOs, the City desires to implement a FOG Control Program to prevent SSOs and the implementation of the FOG Control Program provided in this Chapter will significantly help to prevent the harmful effects of SSOs.
- D. In light of the overwhelming evidence that FOG is a primary cause of SSOs, the City Council desires to implement a FOG Control Program to prevent SSOs.
- E. Section 1014 of the 2001 California Plumbing Code, applicable to all occupancies in the State pursuant to the California Building Standards Law, requires the installation of grease traps or interceptors when waste pretreatment is required, in the opinion of the Building Official.
- F. The regulations adopted in this Ordinance will require existing Food Service Establishments to engage in effective best management practices or install grease control devices or interceptors.

G. The regulations adopted in this Ordinance are intended to apply to all Food Service Establishments located within the City of Palm Springs and discharge directly or indirectly into the City's sewer system,

H. The City Council finds that specific enforcement provisions must be adopted to govern discharges of wastewater to the City's system by Food Service Establishments.

THE CITY COUNCIL OF THE CITY OF PALM SPRINGS DOES HEREBY ORDAIN AS FOLLOWS:

Section 1. Section 11.72.106 is added to the Palm Springs Municipal Code to read:

11.72.106 Sewer Discharge Violations.

Any condition in violation of Chapter 15.28 of this Code, including but not limited to the maintenance or use of any illicit connection or the occurrence of any prohibited discharge, shall constitute a threat to the public health, safety, and welfare, and is declared and deemed a nuisance pursuant to Government Code section 38771.

Section 2. Chapter 15.28 of the Palm Springs Municipal Code is amended in its entirety to read:

Chapter 15.28

Sewer Use Regulations

Sections:

| | |
|-----------|---|
| 15.28.005 | Purpose and Policy |
| 15.28.006 | Definitions |
| 15.28.010 | Dumping of Objectionable Waste |
| 15.28.020 | Discharge of Polluted Waters |
| 15.28.030 | Dumping Sewage into City System - Application for permit -Fee |
| 15.28.040 | Improper Effluents for Sanitary Sewers |
| 15.28.050 | Unpolluted Drainage |
| 15.28.060 | Unpolluted Industrial Water |
| 15.28.070 | Prohibited and Regulated Wastes |
| 15.28.080 | Compliance with Preliminary Treatment Requirements |
| 15.28.090 | Compliance with Other Requirements and Regulations |
| 15.28.100 | Approval of Plans for Preliminary Treatment |
| 15.28.110 | Maintenance of Preliminary Treatment Facilities |
| 15.28.120 | Building Manhole |
| 15.28.130 | Place for Sampling |
| 15.28.131 | Specific Prohibitions |
| 15.28.132 | Best Management Practices Required |
| 15.28.133 | FOG Pretreatment Best Management Practices |
| 15.28.134 | Commercial Properties |
| 15.28.135 | Drawing Submittal Requirements |

| | |
|-----------|--|
| 15.28.136 | Grease Interceptor Requirements |
| 15.28.137 | Grease Trap Requirements |
| 15.28.138 | Monitoring Facilities Requirements |
| 15.28.139 | Inspection and Sampling Conditions |
| 15.28.140 | Standards for Methods of Testing |
| 15.28.150 | Special Agreement to Accept Sewage |
| 15.28.160 | Tampering with Sewers |
| 15.28.170 | Sewer System Overflows, Public Nuisance, Abatement |
| 15.28.180 | Notification of Spill |
| 15.28.190 | Costs of Abatement |

15.28.005 Purpose and Policy

A. The purpose of this Chapter is to facilitate the maximum beneficial public use of the sewer services and facilities in the City while preventing blockages of the sewer lines resulting from prohibited or objectionable waste discharges into the sewer facilities, and to specify appropriate FOG discharge requirements for Food Service Establishments. In furtherance of these general purposes, this Chapter is intended to:

1. Establish the appropriate authority for the City to condition or deny discharges to the sewer system.
2. Prevent the introduction of excessive amounts of grease into the sewer system.
3. Prevent the clogging or blocking of the sewer lines due to grease build up causing backup and flooding of streets, residences, and commercial buildings.
4. Implement procedures to recover the costs incurred in cleaning and maintenance of sewer lines and the proper disposal of grease blockages.
5. Implement a procedure to recover the costs for any liability incurred by the City for damage caused by grease blockages resulting from flooding or streets, residences, or commercial buildings.
6. Establish the authority for the City to monitor, sample, and inspect grease traps and interceptors.

B. This Chapter shall be interpreted in accordance with the definitions set forth in Section 15.28.006. The provisions of this Chapter shall apply to the direct or indirect discharge of all prohibited and objectionable wastewater or waste, including wastewater and waster containing FOG, carried to the sewer facilities of the City.

C. This Chapter establishes quantity and quality standards on all wastewater and/or waste discharges which may cause or contribute to accumulation in the Sewer System causing or potentially causing or contributing to the occurrence of SSOs.

15.28.006 Definitions

A. Unless otherwise defined herein, terms related to water quality shall be as adopted in the latest edition of Standard Methods for Examination of Water and Wastewater, published by the American Public Health Association, the American Water Works Association and the Water Environment Federation. The testing procedures for waste constituents and characteristics shall be as provided in 40 CFR 136 (Code of Federal Regulations). Other terms not herein specifically defined shall have the same definition as set forth in the latest adopted editions of the California Codes of Regulations applicable to building construction adopted pursuant to the California Building Standards Law.

B. Subject to the foregoing provisions, the following definitions shall apply in this Chapter:

"Best Management Practices" means schedules of activities, prohibitions of practices, maintenance procedures, installation of equipment, and other management practices to control and limit the introduction of prohibited or objectionable discharges, including FOG, into Sewer Facilities.

"Building Official" means the Director of the Building and Safety Department of the City or the designee of the Director of the Building and Safety Department.

"Change in Operations" means any change in the ownership, food types, or operational procedures that have the potential to increase the amount of FOG generated and/or discharged by Food Service Establishments in an amount that alone or collectively causes or creates a potential for SSOs to occur.

"Composite Sample" means a collection of individual samples obtained at selected intervals based on an increment of either flow or time. The resulting mixture (composite sample) forms a representative sample of the waste stream discharged during the sample period. Samples will be collected when a wastewater discharge occurs.

"Discharger" or "User" means any person who discharges or causes a discharge of wastewater directly or indirectly to a Sewer Facility and/or stormwater drain system.

"Effluent" means any liquid outflow from the Food Service Establishment that is discharged.

"Fats, Oils, and Grease" or "FOG" means any substance such as a vegetable or animal product that is used in, or is a by-product of, the cooking or food preparation process, and that turns or may turn viscous or solidifies with a change in temperature or other conditions.

"Food Service Establishment" or "FSE" means facilities defined in California Uniform Retail Food Facilities Law (CURFFL), California Health and Safety Code Section 113785 *et seq.*, as amended from time to time, and any commercial entity within the boundaries of the City, operating in a permanently constructed structure such as a room, building, or place, or portion thereof, maintained, used, or operated for the purpose of storing, preparing,

serving, or manufacturing, packaging, or otherwise handling food for sale to other entities, or for consumption by the public, its members or employees, and which has any process or device that uses or produces FOG, or grease vapors, steam, fumes, smoke or odors that are required to be removed by a Type I or Type II hood, as defined in CURFFL Section 113785. A Limited Food Preparation Establishment is not considered a Food Service Establishment.

"Food Grinder" means any device, including garbage disposal devices, installed in the plumbing or sewage system for the purpose of grinding food waste or food preparation by-products for the purpose of discharging it into the Sewer System.

"Grease Control Device" means any grease interceptor, grease trap, or other mechanism, device, or process, which attaches to, or is applied to, wastewater plumbing fixtures and lines, the purpose of which is to trap or collect or treat FOG prior to it being discharged into the sewer system. "Grease control device" may also include any other proven method to reduce FOG subject to the approval of the Building Official.

"Grease Interceptor" or "Interceptor" means a multi-compartment device that is constructed in different sizes and is generally required to be located, according to the California Plumbing Code, underground between a Food Service Establishment and the connection to the sewer system. These devices primarily use gravity to separate FOG from the wastewater as it moves from one compartment to the next. These devices shall have at least one accessible inspection hatch and must be cleaned, maintained, and have the FOG removed and disposed of in a proper manner on regular intervals to ensure effective and efficient operation.

"Grease Trap" means a grease control device, including at least one removable lid for access, inspection, and maintenance, that is used to serve individual fixtures, including by way of example sinks, and is designed to remove or trap fats, oils, and grease while allowing the balance of the waste to discharge to the sewer system by gravity.

"Grab Sample" means a sample taken from a waste stream on a one-time basis without regard to the flow in the waste stream and without consideration of time.

"Hot Spots" means areas in sewer lines that have experienced sanitary sewer overflows resulting in the need for frequent maintenance and cleaning.

"Infiltration" means water entering a sewer system, including sewer service connections, from the ground through such means as defective pipes, pipe joints, connections, or manhole walls.

"Interference" means any discharge which, alone or in conjunction with discharges from other sources, inhibits or disrupts the City's sewer system, treatment processes, or operations; or is a cause of violation of any law or regulation, or prevents lawful sludge use or disposal.

"Limited Food Preparation Establishment" means any commercial entity engaged only in reheating, hot holding, or assembly of ready to eat food products and as a result, there is no wastewater discharge containing a significant amount of FOG. A Limited Food Preparation Establishment does not include any operation that changes the form, flavor, or consistency of food.

"Manifest" means that receipt which is retained by the generator of wastes for disposing recyclable wastes or liquid wastes as required by the City.

"New Construction" means any structure planned or under construction for which a sewer connection permit has not been issued as of October 1, 2005.

"Person" means any individual, partnership, firm, association, corporation, entity, or public agency, including the State of California and the United States of America.

"Prohibited Discharge" means any discharge which contains any pollutant from public or private property

"Public Agency" means the State of California and/or any city, county, special district, other local governmental authority or public body of or within this State.

"Regulatory Agency" means those agencies having regulatory jurisdiction over the operations of the City.

"Remodeling" means a physical change or operational change causing generation of the amount of FOG that exceed the current amount of FOG discharge to the sewer system by the Food Service Establishment in an amount that alone or collectively causes or creates a potential for SSOs to occur; or exceeding a cost of \$50,000 to a Food Service Establishment that requires a building permit, and involves any one or combination of the following: (1) Under slab plumbing in the food processing area, (2) a 30% increase in the net public seating area, (3) a 30% increase in the size of the kitchen area, or (4) any change in the size or type of food preparation equipment.

"Sample Point" means a location approved by the Building Official, from which wastewater can be collected that is representative in content and consistency of the entire flow of wastewater being sampled.

"Sampling Facilities" means a structure or structures provided at the user's expense for the City or user to measure and record wastewater constituent mass, concentrations, collect a representative sample, or provide access to plug or terminate the discharge.

"Sewer Facility or System" means any property belonging to the City or other Public Agency used in the treatment, reclamation, reuse, transportation, or disposal of wastewater, or any tributary thereto.

"Sewer System Overflow" or "SSO" means each instance of a discharge of sewage from a sanitary sewer system.

"Sewer Lateral" means a building sewer as defined in the latest edition of the California Plumbing Code. It is the wastewater connection between the building's wastewater facilities and the Sewer System or a Sewer Facility.

"Sludge" means any solid, semi-solid, or liquid decant, subnate, or supernate from a manufacturing process, utility service, or pretreatment facility.

"Stormwater Drainage System" means street gutter, channel, storm drain, constructed drain, lined diversion structure, wash area, inlet, outlet, or other facility, which is part of or tributary to the City's stormwater runoff system and used for the purpose of collecting, storing, transporting, or disposing of stormwater.

"Waste" means sewage and any and all other waste substances, liquid, solid, gaseous or radioactive, associated with human habitation or of human or animal nature, including such wastes placed within containers of whatever nature prior to and for the purpose of disposal.

"Waste Minimization Practices" means plans or programs intended to reduce or eliminate discharges to the sewer system or to conserve water, including, but not limited to, product substitutions, housekeeping practices, inventory control, employee education, and other steps as necessary to minimize wastewater produced.

"Waste Hauler" means any person carrying on or engaging in vehicular transport of waste as part of, or incidental to, any business for that purpose.

"Wastewater" means the liquid and water-carried wastes of the community and all constituents thereof, whether treated or untreated, discharged into or permitted to enter a Sewer Facility.

"Wastewater Constituents and Characteristics" means the individual chemical, physical, bacteriological, and other parameters, including volume and flow rate and such other parameters that serve to define, classify, or measure the quality and quantity of wastewater.

15.28.010 Dumping of Objectionable Waste

No person shall place, deposit or permit to be deposited upon public or private property within this city, or in any area under the jurisdiction of this city, any human or animal excrement, garbage or other objectionable waste, in a manner that would be a danger to the public health or welfare.

15.28.020 Discharge of Polluted Waters

No person shall discharge to any natural outlet within this city, or in any area under the jurisdiction of this city, any sanitary sewage, industrial wastes, or other polluted waters,

except where suitable treatment has been provided in accordance with subsequent provisions of this title.

15.28.030 Dumping Sewage into City System — Application for permit — Fee

No person shall dump sewage into the City's sewerage system unless a permit therefor has been applied for and issued by the Building Official. No permit therefor shall be issued unless the application for such permit is accompanied by a fee, the amount of which shall be fixed from time to time by resolution of the City Council.

15.28.040 Improper Effluents for Sanitary Sewers

No person shall discharge or cause to be discharged any stormwater, surface water, groundwater, roof runoff, subsurface drainage, cooling water, or unpolluted industrial process waters to any sanitary sewer.

15.28.050 Unpolluted Drainage

Stormwater and all other unpolluted drainage shall be discharged to such sewers as are specifically designated as storm sewers, or to an approved natural outlet.

15.28.060 Unpolluted Industrial Water

Industrial cooling water or unpolluted process waters may be discharged, upon approval of the Director of Public Works, to a storm sewer or natural outlet.

15.28.070 Prohibited and Regulated Wastes

A. Except as hereinafter provided, no person shall discharge or cause to be discharged any of the following described waters or wastes to any Sewer Facility or into any (i) the stormwater drainage system; (ii) any upstream flow, which is tributary to the stormwater drain system; or (iii) any groundwater, river, stream, creek, wash or dry weather arroyo, wetlands area, or marsh.:

1. Hot Fluids.
Any liquid or vapor having a temperature higher than one hundred fifty degrees Fahrenheit;
2. FOG.
Any water or waste which may contain more than one hundred parts per million, by weight, of fat, oil or grease;
3. Flammables, Explosives.
Any gasoline, benzene, naphtha, fuel oil or other flammable or explosive liquid, solid or gas;
4. Solids—Viscous Substances.

Any ashes, cinders, sand and straw, shavings, metal, glass, feathers, tar, plastics, wood, paunch manure, or any other solid or viscous substance capable of causing obstruction to the flow in sewers or other interference with the proper operation of the sewage works;

5. Deficient or Excessive pH.

Any waters or wastes having a pH lower than 5.5, higher than 9.0 or having any other corrosive property capable of causing damage or hazard to structures, equipment and personnel of the sewage works;

6. Poison.

Any waters or wastes containing a toxic or poisonous substance in sufficient quantity to injure or interfere with any sewage treatment process, constitute a hazard to humans or animals, or create any hazard in the receiving waters of the waste treatment plant;

7. Suspended Solids.

Any waters or wastes containing suspended solids of such character and quantity that unusual attention or expense is required to handle such materials at the waste treatment plant;

8. Noxious Effluvium.

Any noxious or malodorous gas or substance capable of creating a public nuisance.

B. No Person shall operate a Food Service Establishment so as to discharge or cause to be discharged into the Sewer System FOG that: (1) exceeds the concentration level provided in Section 15.28.070 A-2; or, (2) may accumulate and/or cause or contribute to blockages in the Sewer Facility or at the sewer system lateral which connects the Food Service Establishment to the sewer system.

C. No person shall, without prior approval obtained from the Director of Public Works, or his authorized representative, introduce, or cause the admission, into any Sewer Facility, of any waters or wastes having:

1. Excessive Oxygen Demand.

A five-day biochemical oxygen demand greater than three hundred parts per million by weight; or

2. Suspended solids containing more than three hundred fifty parts per million by weight of suspended solids; or

3. Restricted wastes containing any quantity of substances having the characteristics described in Subsection A of this Section.

D. Where necessary in the opinion of the Director of Public Works, the owner shall provide, at his expense, such preliminary treatment as may be necessary to obtain:

1. Reduction of Oxygen Demand.

Reduction of the biochemical oxygen demand to three hundred parts per million and the suspended solids to three hundred fifty parts per million by weight; or

2. Reduction of Objectionable Feature.
Reduction of objectionable characteristics or constituents to within the maximum limits provided for in Subsection A of this Section.
3. Control of Flow.
Control of the quantities and rates of discharge of such waters or wastes.

15.28.080 Compliance with Preliminary Treatment Requirements

No person who has been notified of the necessity of preliminary treatment described in Section 15.28.070 shall thereafter discharge into any Sewer Facility any water, waste, or sewage which has not been given such prescribed preliminary treatment.

15.28.090 Compliance with Other Requirements and Regulations

No person shall discharge into any Sewer Facility any water waste or sewage, or otherwise use the Sewer System, unless Sections 15.28.100 through 15.28.139 have been complied with.

15.28.100 Approval of Plans for Preliminary Treatment

Plans, specifications, and other pertinent information relating to proposed preliminary treatment facilities shall be submitted for the approval of the Director of Public Works. No construction of such facilities shall be commenced until said approval is obtained in writing.

15.28.110 Maintenance of Preliminary Treatment Facilities

Where preliminary treatment facilities are provided for any waters or wastes, they shall be maintained continuously in a satisfactory and effective manner, by the owner at his expense.

15.28.120 Building Manhole

When required by the Director of Public Works, the owner of any property served by a building sewer carrying industrial wastes shall install a suitable manhole in the building sewer to facilitate observation, sampling and measurement of the wastes prior to discharge into the Sewer Facility. Such manhole, when required, shall be accessible and safely located, and shall be constructed in accordance with plans approved by the Director of Public Works. The manhole shall be installed by the owner at his expense, and shall be maintained by him so as to be safe and accessible at all times.

15.28.130 Place for Sampling

In the event that no special manhole has been required, the control manhole shall be considered to be the nearest downstream manhole in the Sewer System from the building sewer.

15.28.131 Specific Prohibitions

Each Person operating a Food Service Establishment shall not:

- A. Install food grinders in the plumbing system of new construction of Food Service Establishments. All food grinders shall be removed from all existing Food Service Establishments on or before January 2, 2007, unless the Building Official has authorized the food grinder to remain.
- B. Introduce any additives into a Food Service Establishment's wastewater system for the purpose of emulsifying FOG, unless otherwise permitted by specific written authorization of the Building Official.
- C. Dispose waste cooking oil into sewer or drainage pipes. All waste cooking oils shall be collected and stored properly in receptacles such as barrels or drums for recycling or other acceptable methods of disposal.
- D. Discharge wastewater from dishwashers to any grease interceptor.
- E. Discharge wastewater with temperatures in excess of 140°F to any grease control device.
- F. Introduce biological additives for grease remediation or as a supplement to grease control device maintenance without prior authorization from the Building Official.
- G. Discharge wastes from toilets, urinals, washbasins, and other fixtures containing fecal materials to sewer lines intended for grease control device service, or vice versa.
- H. Discharge any waste, including FOG and solid materials removed from the grease control device, to the sewer system. Grease removed from grease control devices shall be waste hauled periodically as part of the operation and maintenance requirements for grease interceptors and traps.

15.28.132 Best Management Practices Required

Any Person operating a Food Services Establishment shall implement Best Management Practices as prescribed in this Chapter for the purpose of controlling and limiting the discharge of FOG to the Sewer System.

15.28.133 FOG Pretreatment Best Management Practices

Any Person operating a Food Service Establishment, or a property owner of a parcel containing multiple FSEs, may be required to install, operate, and maintain an approved type and adequately sized grease interceptor in accordance with the provisions of this section. The grease interceptor shall be adequate to separate and remove FOG contained in wastewater discharges from Food Service Establishments prior to discharge to the Sewer System. Fixtures, equipment, and drain lines located in the food preparation and

clean up areas of Food Service Establishments that are sources of FOG discharges except for dish washing machines shall be connected to the grease interceptor. Compliance shall be established as follows:

A. New Construction of Food Service Establishments

New construction of Food Service Establishments shall include the installation of grease interceptors of a type and capacity approved by the Building Official prior to commencing discharges of wastewater to the Sewer System.

B. Existing Food Service Establishments/Commercial Properties

Existing FSE operators, or property owners with multiple FSEs, shall install a grease control device where the Building Official has found and determined that a FSE has been responsible for, or otherwise contributed to, one or more SSO(s) following the enactment of this Chapter.

Where the Building Official has determined that an owner's lateral line requires cleaning to avoid an imminent threat of an SSO spill, the Building Official is authorized to issue an order to the owner to immediately clean the subject lateral line.

The Building Official shall issue his/her order in writing to the applicable party and shall designate a reasonable period of time period for corrective action.

C. Best Management Practice Requirements.

1. All Food Service Establishments shall implement best management practices in accordance with the requirements and guidelines established in this Chapter and as may be established by the Building Official in an effort to minimize the discharge of FOG to the Sewer System.
2. All Food Service Establishments shall be required, at a minimum, to comply with the following Best Management Practices:
 - (a) Installation of drain screens. Drain screens shall be installed on all drainage pipes in food preparation areas.
 - (b) Segregation and collection of waste cooking oil. All waste cooking oil shall be collected and stored properly in recycling receptacles such as barrels or drums. Such recycling receptacles shall be maintained properly to ensure that they do not leak. Food Service Establishments shall use licensed waste haulers and licensed recycling facilities to dispose of waste cooking oil.
 - (c) Disposal of food waste. All food waste shall be disposed of directly into the trash or garbage, and not in sinks.

- (d) Employee training. Employees of Food Service Establishments shall be trained by ownership/management, upon commencement of employment at least annually thereafter, on the following subjects:
- (i) How to "dry wipe" pots, pans, dishware and work areas before washing to remove grease.
 - (ii) How to properly dispose of food waste and solids in enclosed plastic bags prior to disposal in trash bins or containers to prevent leaking and odors.
 - (iii) The location and use of absorption products to clean under fryer baskets and other locations where grease may be spilled or dripped.
 - (iv) How to properly dispose of grease or oils from cooking equipment into a grease receptacle such as a barrel or drum without spilling.

Training shall be documented and employee signatures retained indicating each employee's attendance and understanding of the practices reviewed. Training records shall be available for review at any reasonable time by the Building Official.

- (e) Kitchen signage. Best management and waste minimization practices shall be posted conspicuously in the food preparation and dishwashing areas at all times.
- (f) Food Grinders. Food Grinders shall immediately be removed from the FSEs plumbing system to prevent the discharge of food debris into the FSEs sewer drain system. This requirement will lead to controlling and limiting the introduction of FOG into the City's Sewer System.
- (g) Odors. Grease Trap Devices shall be installed and maintained so as to prevent odors, cross-contamination. Sewer back-ups, or SSOs.
- (h) Containers. Grease rendering containers shall be installed and properly maintained.
- (i) Record Keeping. Document record keeping shall be maintained and shall include: 1) employee training records; 2) grease control device (trap or interceptor) maintenance and cleaning records; 3) on property SSO records; 4) plumbing maintenance records; 5) rendering grease disposal records; 6) name and contact information of waste hauler; and 7) disposal site. Documents consist of, but are not limited to logs, records, letters, blue prints, equipment specification and operation, receipts, and manifests. Such records are deemed to be environmental records and shall be retained for a minimum of 5 years.

15.28.134 Commercial Properties

Property owners of commercial properties or their official designee(s) shall be responsible for the installation and maintenance of the grease interceptor serving multiple Food Service Establishments that are located on a single parcel.

15.28.135 Drawing Submittal Requirements

A. Operators of Food Service Establishments may be required to submit two copies of facility site plans, mechanical and plumbing plans, and details to show all sewer locations and connections. The submittal shall be in a form and content acceptable to the Building Official for review of existing or proposed grease control device, grease interceptor, monitoring facilities, metering facilities, and operating procedures. The review of the plans and procedures shall in no way relieve the Food Service Establishments of the responsibility of modifying the facilities or procedures in the future, as necessary to produce an acceptable discharge, and to meet the requirements of this Chapter or any requirements of other Regulatory Agencies; and a schematic drawing of the FOG control device, grease interceptor or other pretreatment equipment, piping, and instrumentation diagram, and wastewater characterization report.

B. The City may require the drawings be prepared by a California Registered Mechanical Engineer.

15.28.136 Grease Interceptor Requirements

A. Food Service Establishment operators shall provide wastewater acceptable to the City, under the requirements and standards established herein before discharging to any Sewer Facility. Any Food Service Establishment required to pre-treat wastewater shall install, operate, and maintain an adequately sized grease interceptor, approved by the Building Official, necessary to maintain compliance with the objectives of this Chapter.

B. Grease interceptor sizing, type, and capacity and installation shall conform to the current edition of the California Plumbing Code and be approved by the Building Official. Grease interceptors shall be constructed in accordance with the design approved by the Building Official and shall have a minimum of two compartments with fittings designed for grease retention and a sample box..

C. The grease interceptor shall be installed at an exterior location where it shall be at all times easily accessible for inspection, cleaning, and removal of accumulated grease.

D. Access manholes, with a minimum diameter of 24 inches, shall be provided over each grease interceptor chamber and sanitary tee. The access manholes shall extend at least to finished grade and be designed and maintained to prevent water inflow or infiltration. The manholes shall also have readily removable covers to facilitate inspection, grease removal, and wastewater sampling activities.

E. Grease Interceptors shall be maintained in efficient operating condition by periodic removal of the full content of the interceptor which includes wastewater, accumulated FOG, floating materials, sludge and solids.

F. All existing and newly installed grease interceptors shall be maintained in a manner consistent with a maintenance frequency approved by the Building Official pursuant to this section.

G. FOG that has accumulated in a grease interceptor shall not be allowed to pass into any sewer lateral, Sewer System, storm drain, or public right of way.

H. Food Service Establishment operators with grease interceptors may be required to submit data and information necessary to establish the maintenance frequency of grease interceptors.

I. The maintenance frequency for all Food Service Establishments with a grease interceptor shall be determined in one of the following methods:

1. Grease interceptors shall be fully pumped out and cleaned at a frequency such that the combined FOG and solids accumulation does not exceed 25% of the total liquid depth of the grease interceptor. This is to ensure that the minimum hydraulic retention time and required available volume is maintained to effectively intercept and retain FOG discharged to the Sewer System.

2. All Food Service Establishments with a Grease Interceptor shall maintain their grease interceptor not less than every 6 months. Grease interceptors shall be fully pumped out and cleaned quarterly when the frequency described in (1) has not been established. The maintenance frequency shall be adjusted when sufficient data have been obtained to establish an average frequency based on the requirements described in (1) and guidelines adopted pursuant to the FOG Control Program. The City may change the maintenance frequency at any time to reflect changes in actual operating conditions in accordance with the FOG Control Program. Based on the actual generation of FOG from the Food Service Establishment, the maintenance frequency may increase or decrease.

3. If the grease interceptor, at any time, contains FOG and solids accumulation that does not meet the requirements described in (1), the Food Service Establishment operator shall be required to have the grease interceptor serviced immediately such that all fats, oils, grease, sludge, and other materials are completely removed from the grease interceptor. If deemed necessary, the Building Official may also increase the maintenance frequency of the grease interceptor from the current frequency.

15.28.137 Grease Trap Requirements

A. Food Service Establishment operators may be required to install grease traps in the waste line leading from drains, sink, and other fixtures or equipment where grease may be introduced into the Sewer System in quantities that can cause blockage. Grease traps

have limited effect and should only be used in those cases where the use of a grease interceptor or other grease control device is determined to be impossible or impractical.

B. Prior to receiving a plumbing permit from the City, an applicant shall submit to the Building Official a stamped and signed copy of installation plans indicating that the Riverside County Health Department has approved the grease trap location.

C. Sizing and installation of grease traps shall conform to the current edition of the California Plumbing Code.

D. Grease traps shall be maintained in efficient operating conditions by removing accumulated grease at a frequency approved by the Building Official.

E. Grease traps shall be maintained free of all food residues and any FOG waste removed during the cleaning and scraping process.

F. Grease traps shall be inspected periodically to check for leaking seams and pipes, and for effective operation of the baffles and flow-regulating device. Grease traps and their baffles shall be maintained free of all caked-on FOG and waste. Removable baffles shall be removed and cleaned during the maintenance process.

G. Dishwashers and food grinder units shall not be connected to or discharged into any grease trap.

15.28.138 Monitoring Facilities Requirements

A. The Building Official may require the Food Service Establishments to construct and maintain in proper operating condition at the Food Service Establishment's sole expense, flow monitoring, constituent monitoring and/or sampling facilities.

B. The location of the monitoring or metering facilities shall be subject to approval by the Building Official.

C. Food Service Establishments may be required to provide immediate, clear, safe and uninterrupted access to the Building Official to the Food Service Establishment's monitoring and metering facilities.

D. Food Service Establishments may also be required by the Building Official to submit waste analysis plans, contingency plans, and meet other necessary requirements to ensure proper operation and maintenance of the grease control device and compliance with this Chapter.

E. No Food Service Establishment shall increase the use of water or in any other manner attempt to dilute a discharge as a partial or complete substitute for treatment to achieve compliance with this Chapter and the FOG Wastewater Discharge Permit.

15.28.139 Inspection and Sampling Conditions

- A. The Building Official may inspect or order the inspection and sample the wastewater discharges of any Food Service Establishment to ascertain compliance with this Chapter. The owner shall allow the City access to the Food Service Establishment premises, during normal business hours, for purposes of inspecting the Food Service Establishment's grease control devices or interceptor, reviewing the manifests, receipts and invoices relating to the cleaning, maintenance and inspection of the grease control devices.
- B. Prior to commencing any inspection as authorized in this section, the Building Official shall obtain either the consent of the owner or occupant of the property or shall obtain an administrative inspection warrant or criminal search warrant.
- C. The Building Official may enter property to investigate the source of any discharge to any public street, inlet, gutter, storm drain or the stormwater drainage system located within the jurisdiction of the City.
- D. The Building Official may inspect property for the purpose of verifying compliance with this Chapter, including but not limited to (i) identifying products produced, processes conducted, chemicals used and materials stored on or contained within the property, (ii) identifying point(s) of discharge of all wastewater, process water systems and pollutants, (iii) investigating the natural slope at the location, including drainage patterns and man-made conveyance systems, (iv) establishing the location of all points of discharge from the property, whether by Sewer System, surface runoff or through a storm drain system, (v) locating any illicit connection or the source of prohibited discharge, (vi) evaluating compliance with any permit issued pursuant to Article 3 hereof.
- E. The Building Official may inspect all records of the owner or occupant of property relating to FOG Best Management Practices to include related chemicals or processes presently or previously occurring on-site, facilities maps or schematics and diagrams, pumping and/or grease hauler manifests or receipts pollution prevention plans, monitoring program plans and any other record(s) relating to unauthorized connections, prohibited discharges, or any other source of contribution or potential contribution of pollutants to the stormwater drainage system.
- F. The Building Official may inspect, sample, and test any area runoff, soils area (including groundwater testing), process discharge, materials within any waste storage area (including any container contents), and/or treatment system discharge for the purpose of determining the potential for contribution of pollutants to the stormwater drainage system. The authorized Building Official may investigate the integrity of all storm drain and sanitary Sewer Systems, any legal nonconforming connection or other pipelines on the property using appropriate tests, including but not limited to smoke and dye tests or video surveys. The authorized Building Official may take photographs or videotape, make measurements or drawings, and create any other record reasonably necessary to document conditions on the property.

15.28.140 Standards for Methods of Testing

In administering the provisions of this title and in determining compliance therewith, all measurements, tests and analyses of the characteristics of waters and wastes shall be determined in accordance with the most recent available edition and supplements of "Standard Methods For The Examination Of Water And Waste Water" published by the American Public Health Association, American Waterworks Association, and the Water Pollution Control Federation.

15.28.150 Special Agreement to Accept Sewage

No provision contained in this chapter shall be construed as preventing any special agreement or arrangement between the city and any industrial concern whereby an industrial waste of unusual strength or character may be accepted by the city for treatment, subject to payment of a fee by the industrial concern to defray the cost to the city of treating such industrial waste. In the event of conflict between the provisions of any such agreement or arrangement, and the provisions hereof, the former shall prevail.

15.28.160 Tampering with Sewers

No person shall maliciously, or without authority, wilfully or carelessly break, damage, destroy, uncover, deface or tamper with any structure, appurtenance or equipment which is a part of the municipal sewage works.

15.28.170 Sewer System Overflows, Public Nuisance, Abatement

Food Service Establishments which have contributed to a sewer blockage, SSO, or any Sewer System interference resulting from the discharge of wastewater or waste containing FOG, shall install, operate, and maintain a grease interceptor, and may be required to abate such nuisance and prevent any future health hazards created by such sewer line blockage, SSO, or any other Sewer System interference. SSOs may threaten or cause injury to public health, safety, and welfare and are hereby declared to be a public nuisance. Furthermore, sewer lateral failures and SSOs caused by Food Service Establishments, alone or collectively, are the responsibility of the private property owner and Food Service Establishment, and their respective responsible officers and/or owners. If, either at the request of a Food Service Establishment or to abate an immediate threat of injury to the public health, safety, welfare, or property, the Building Official acts to contain and/or clean up an SSO or the blockage of a sewer lateral or the Sewer System caused by a Food Service Establishment, the City's costs for such abatement shall be entirely borne by the property owner, operator of the Food Service Establishment, and their respective responsible officers and/or owners, and each of them, and shall constitute a debt to the City and become due and payable upon the City's request for reimbursement of such costs.

15.28.180 Notification of Spill

A. When material discharged to the sewer has the potential to cause or result in sewer blockages or SSOs, the discharger shall immediately notify the local Health Department, County, and the City.

B. Confirmation of this notification shall be made in writing to the Building Official no later than five (5) working days from the date of the incident. The written notification shall state the date of the incident, the reasons for the discharge or spill, what steps were taken to immediately correct the problem, and what steps are being taken to prevent the problem from recurring.

C. Such notification shall not relieve the discharger of any expense, loss, damage or other liability which may be incurred as a result of damage or loss to the City or any other damage or loss to person or property; nor shall such notification relieve the discharger of any fees or other liability which may be imposed by this Chapter or other applicable law.

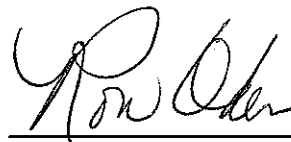
15.28.190 Costs of Abatement

Pursuant to Health and Safety Code section 6523.3, the City is entitled to recover its costs incurred in taking any action to correct a violation of this Chapter. Such costs shall be added to any sewer service charge payable by any person violating this Chapter. The City shall have such remedies for the collection of such costs as it has for the collection of sewer service charges.

Section 3. A copy of this ordinance shall be filed with the California Building Standards Commission and the California Department of Housing and Community Development by the City Clerk as required by State law (Health & Safety Code Section 17958.7).

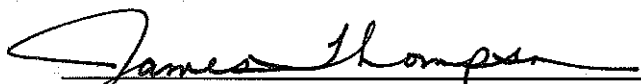
Section 4. This Ordinance shall take effect 30 days from its adoption and the City Attorney's Summary shall be published in a newspaper of general circulation as provided by law.

ADOPTED this 1st day of March, 2006



Mayor

ATTEST:




City Clerk

CERTIFICATION:

STATE OF CALIFORNIA)
COUNTY OF RIVERSIDE) ss.
CITY OF PALM SPRINGS)

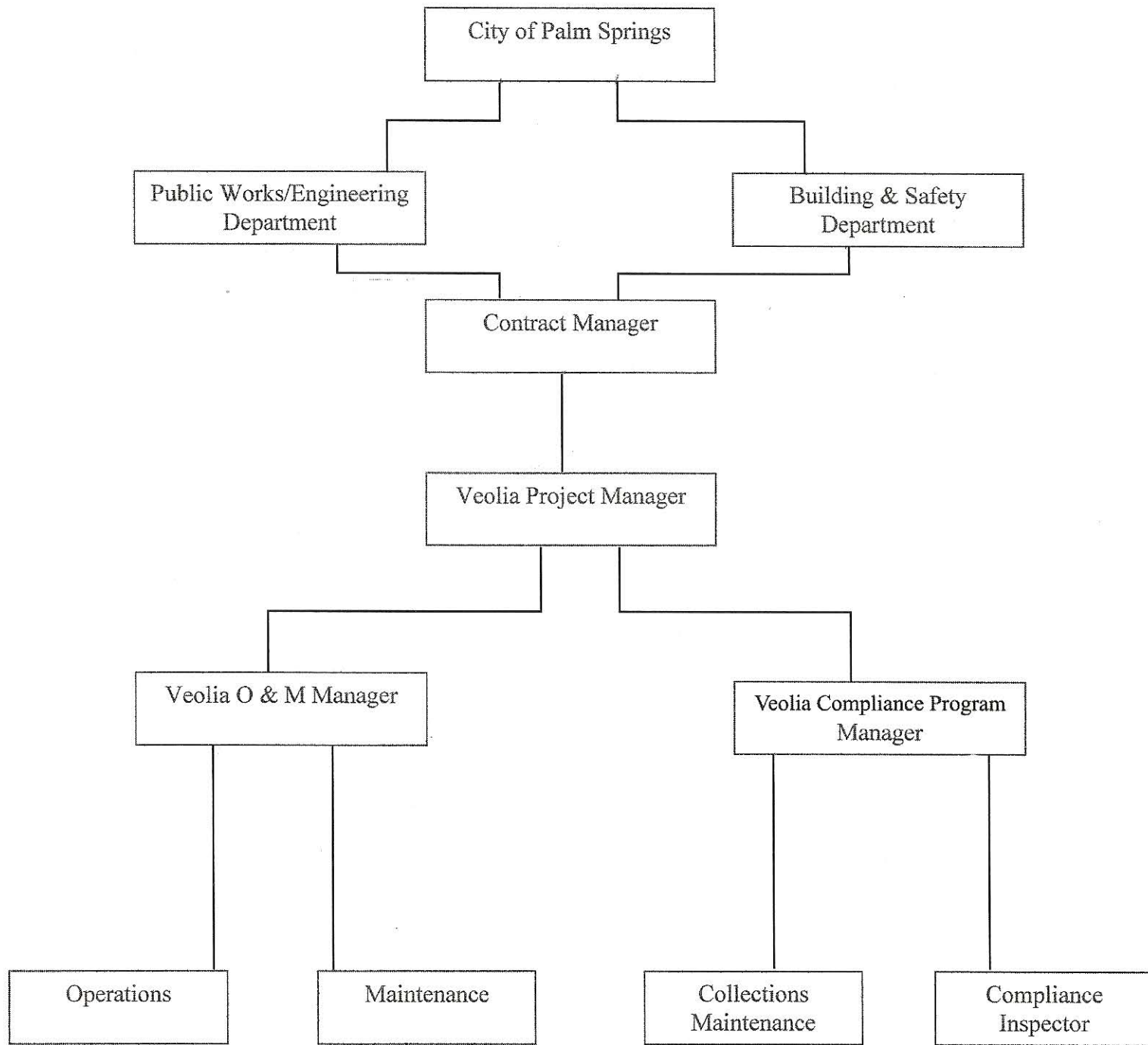
I, JAMES THOMPSON, City Clerk of the City of Palm Springs, California, do hereby certify that Ordinance No. 1682 is a full, true, and correct copy, and was introduced at a regular meeting of the Palm Springs City Council on February 15, 2006, and adopted at a regular meeting of the City Council held on March 1, 2006, by the following vote:

AYES: Councilmember McCulloch, Councilmember Mills, Councilmember Pougnet,
Mayor Pro Tem Foat and Mayor Oden
NOES: None
ABSENT: None
ABSTAIN: None



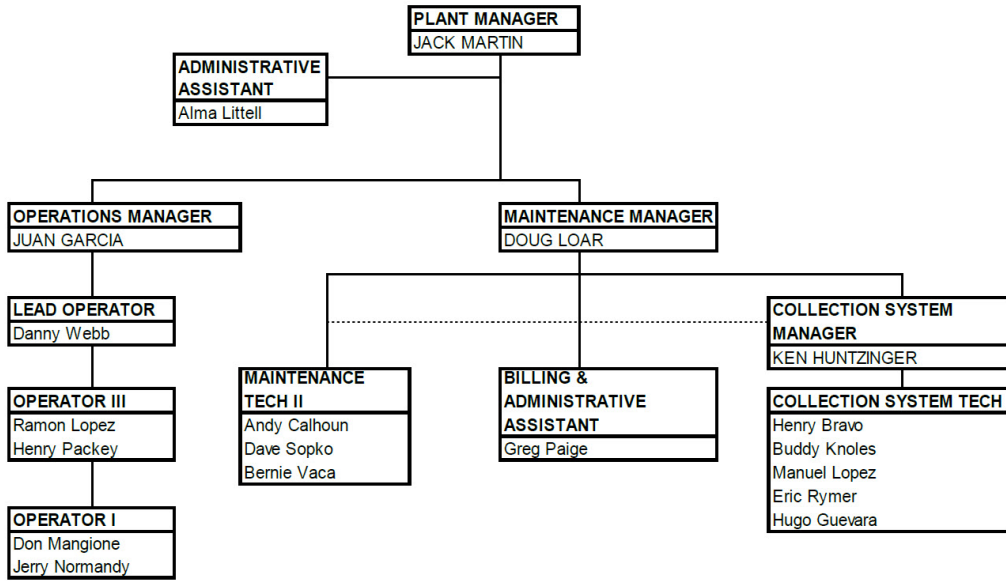
James Thompson, City Clerk
City of Palm Springs, California

Appendix B - City of Palm Springs Functional Organizational Chart



Appendix C – Palm Springs Wastewater Treatment Plant Organization Chart

Palm Springs Organization Chart



Appendix D – FOG Control Program Introductory Letter

City of Palm Springs
Veolia Water NA Operating Services, LLC
Wastewater Treatment Plant
4375 Mesquite Avenue
Palm Springs, CA 92264

August, 2013

Re: Sewer Use Ordinance

Dear: Food Service Establishment Owner

During March 2006, the Palm Springs City Council adopted Ordinance No. 1682 amending Chapter 15.28 of the Palm Springs Municipal Code relating to sewer use regulations, including the adoption of fats, oils, and grease (FOG) control regulations applicable to food service establishments (FSEs). Veolia Water NA has been contracted to manage the FOG program and to oversee compliance with the Ordinance. Consequently, we are asking for your assistance and cooperation with the implementation of our FOG Program. A copy of Ordinance No. 1682, a summary of the City's Sewer Use Regulations, and a list of the required best management practices (BMPs) is enclosed.

Please:

1. Carefully read the enclosed information;
2. Implement BMPs;
3. Complete the attached Food Service Establishment Survey; and
4. Submit the completed Survey to:

Ken Huntzinger
Collection System Manager
4375 Mesquite Ave.
Palm Springs, CA 92264.

Some time in the near future, an Inspector will visit your establishment to conduct a compliance inspection.

If you have questions, please feel free to contact the undersigned at (760) 323-8166, or (ken.huntzinger@veolia.com).

Sincerely,



City of Palm Springs Wastewater Collection System Manager
Ken Huntzinger

Appendix E – List of FOG Grease Haulers and Pumpers

City of Palm Springs
Veolia Water NA Operating Services, LLC
Wastewater Treatment Plant
4375 Mesquite Avenue
Palm Springs, CA 92264

The following is a list of companies that perform grease removal and hauling services. Just as you would when hiring someone for any service, we recommend that you obtain two or three bids from different companies and check references from other customers. Be sure that when you compare bids, you are comparing the same services – ask questions to get a complete understanding of your options.

| | |
|-------------------------------------|---------------------------------|
| A-1 Cesspool Service, Inc. | (760) 329-6875 |
| A-1 Restaurant Services | (877) 588-4884 |
| ASAP Pumping, Inc. | (760) 328-7887 |
| Darling International Inc. | (800) 914-1221 |
| Econo Sewer Services | (760) 346-2793 – (760) 328-7760 |
| Hammer Pumping | (760) 360-7448 |
| Imperial Western Products (Biotane) | (760) 398-0815 |
| Jensen Precast | (800) 257-6100 |
| KC's Plumbing | (760) 327-8718 |
| M C Nottingham Co., Inc. | (800) 540-9062 |
| Pyramid Precast Co., Inc. | (888) 823-4255 |
| Roto-Rooter | (760) 322-2622 |
| S & G Pumping Service | (760) 766-5074 |
| Sanco Pumping | (760) 327-8859 |

Appendix F – Best Management Practices

BEST MANAGEMENT PRACTICES

Note: All food service establishments are required, at a minimum, to comply with the following:

- **Installation of Drain Screens.** Drain screens must be installed on all drainage pipes in food preparation areas.
- **Segregation and Collection of Waste Cooking Oil.** All waste cooking oil must be collected and stored properly in recycling receptacles such as barrels or drums. Such recycling receptacles must be maintained properly to ensure that they do not leak. Food service establishments must use licensed waste haulers and licensed recycling facilities to dispose of waste cooking oil.
- **Disposal of Food Waste.** All food waste must be disposed of directly into the trash or garbage, and not in sinks.
- **Employee Training.** Employees of Food Service Establishments must be trained by ownership/management, upon commencement of employment and at least annually thereafter, on the following subjects:
 1. How to “dry wipe” pots, pans, dishware and work areas before washing to remove grease.
 2. How to properly dispose of food waste and solids in enclosed plastic bags prior to disposal in trash bins or containers to prevent leaking and odors.
 3. The location and use of absorption products to clean under fryer baskets and other locations where grease may be spilled or dripped.
 4. How to properly dispose of grease or oils from cooking equipment into a grease receptacle such as a barrel or drum without spilling.

Training must be documented and employee signatures retained indicating each employee’s attendance and understanding of the practices reviewed.

- **Kitchen Signage.** Best management and waste minimization practices must be posted conspicuously in the food preparation and dishwashing areas at all times.
- **Food Grinders.** Food grinders must immediately be removed from the plumbing system to prevent the discharge of food debris into the sewer drain system. This requirement will lead to controlling and limiting the introduction of FOG into the city’s sewer system.
- **Odors.** Grease trap devices must be installed and maintained, as necessary, so as to prevent odors, cross-contamination, sewer back-ups or SSOs.
- **Containers.** Grease rendering containers must be installed and properly maintained.
- **Record Keeping.** Document record keeping must be maintained and must include: 1) employee training records; 2) grease control device (trap or interceptor) maintenance and cleaning records; 3) on property SSO records; 4) plumbing maintenance records; 5) rendering grease disposal records; 6) name and contact information of waste hauler; and 7) disposal site.

Appendix G – Kitchen BMP's Poster

Kitchen Best Management Practices (BMPs) to Manage Fats, Oil, and Grease

Collect waste cooking oil and store in drums or barrels for recycling.



Junte el aceite de cocina que deseche y almacénelo en tambos o barriles para reciclarlo.

Dispose food waste directly into the trash. Garbage grinders are prohibited.



Tire directamente en el bote de basura los desechos de alimentos. Se prohíben los trituradores de basura.

Wipe pots, pans, dishware, and work areas prior to washing.



Limpie con un trapo los sartenes, las cacerolas, la vajilla y las áreas de trabajo antes de lavarlos.

Use absorbent products to contain spills.



Utilice productos absorbentes para contener derramamientos.

Use absorbents or other materials, like towels, to pick up spills before mopping the floor.



Antes de trapear el piso, recoja cualquier derrame con productos absorbentes o otros materiales como toallas.

Keep grease emulsifying agents out of the sink and drain.



No utilice solventes o aditivos que disuelven grasa dentro de el fregadero o en la coladera.



City of Palm Springs

Department of Building and Safety

3200 E. Tahquitz Canyon Way, Palm Springs, California, 92262

Tel: (760) 323-8242 Fax: (760) 322-8360 Website: www.palmspringsca.gov

Appendix H – Grease Control Device Incentive Staff Report



City Council Staff Report

NOVEMBER 1, 2006

NEW BUSINESS

Subject: GREASE CONTROL DEVICE INCENTIVE PROGRAM

From: City Manager

Initiated By: Director of Public Works/City Engineer

SUMMARY

The City's sewer lines are not designed to carry fats, oil, and grease (FOG) in high concentrations. These elevated concentrations of FOG can result in blockages in the sewer collection system that can cause sewage overflows and increased sewer line maintenance costs. Both the Palm Springs FOG Ordinance #1682 enacted by the City Council on May 1, 2006 and California regulations require rigorous management of this common problem. To help reduce high concentrations of FOG in the sewer system, The Palm Springs Grease Control Device Subsidy Program was designed to encourage restaurants and Food Service Establishments (FSE) operating within the City limits to reduce or eliminate FOG that is flushed into the sanitary sewer collection system.

Approval of this Minute Order will establish a Grease Control Device Incentive program to encourage FSEs to participate in a direct subsidy program where the City provides financial incentives to install or upgrade grease control devices to comply with Ordinance #1682.

RECOMMENDATION:

- Approve Minute Order No. _____ "APPROVING THE CITY OF PALM SPRINGS GREASE CONTROL DEVICE INCENTIVE PROGRAM."

STAFF ANALYSIS:

The Grease Control Device Incentive Program will allow eligible FSEs one time grants in the amount of:

- 50% of the cost for a grease trap up to \$1,500 each (limit two per establishment), or;
- 50% of the cost for a grease interceptor up to \$ 10,000.

The total available program funds are \$300,000. Eligible FSEs will be reimbursed by the program on a "first-come first-served" basis until the program funds are expended.

For FSEs to be eligible for reimbursement, the Applicants must:

Item No. **5.B.**

- Own or operate a FSE (as defined within the City Ordinance #1682) within the City limits and be connected to the Palm Springs Sewer collection system. If applicant is a tenant of property in which the grease control device is to serve, applicant must provide proof of multi-year lease on the space to be served by the grease control device; and must show written landlord approval of plans to install the grease control device;
- Hold a current City of Palm Springs business license;
- If applicant is a new business, both financial records and a business plan must be provided.

Costs that are ELIGIBLE for partial reimbursement under this program include:

- New, replacement, and expanded grease control devices;
- Grease traps and grease interceptors as defined in Ordinance #1682;
- Associated appurtenances and installation costs.

Costs that are INELIGIBLE for partial reimbursement under this program include:

- Ongoing system maintenance after installation;
- Lost business during construction/installation of grease control device;
- FSE administrative costs to apply for, install, and implement the new grease control device.

Applicant must submit official City of Palm Springs Grease Control Device Incentive Program Application Form with the following required attachments:

- Grease Control Device manufacturer's literature and specifications;
- Pre-approval and a building permit to construct from City Building Department; and,
- A minimum of two bids are required for projects exceeding \$10,000 in total cost) for pre-approval at the time the building permit is applied for.

Upon acceptance into the Program, the FSE applicant will then complete the installation and provide documentation of completed grease control device installation and/or construction, along with the final cost, proof of payment and contractor lien release form.

The City will respond with a commitment or denial letter with 30 business days of application package submittal from Applicants. Finally, the City will send payment to the FSE equivalent to 50 percent of the actual cost, up to the maximums allowed, within 30 business days.

FISCAL IMPACT:

Finance Director Review: 

Agreement No. 4123 with Veolia Water North America approved by Council June 21, 2006 includes in Veolia's Scope of Services a provision wherein Veolia assists the City in administering this program. They are to do this by advancing a \$300,000 payment to the City. City is responsible to reimburse Veolia within 180 days in a lump sum or over the life of the Agreement with Veolia at \$3,458.84 per month which includes interest at 2% over the Prime Rate. It is staff's intent to repay the \$300,000 in a lump sum from funds to be appropriated from the Wastewater Treatment Plant Fund (420-6800). The account number will be established subsequent to adoption of the program.



David J. Barakian
Director of Public Works/City Engineer



Troy Butzlaff
Assistant City Manager-Administrative Services



David H. Ready, City Manager

ATTACHMENTS:

1. Minute Order
2. Program

MINUTE ORDER NO.

**APPROVING THE CITY OF PALM SPRINGS
GREASE CONTROL DEVICE INCENTIVE
PROGRAM**

I, James Thompson, City Clerk of the City of Palm Springs, hereby certify that this Minute Order Approving and adopting the City of Palm Springs Grease Control Device Incentive Program, was adopted by the City Council of the City of Palm Springs, California, in a meeting thereof held on the 1st day of November, 2006.

James Thompson, City Clerk

CITY OF PALM SPRINGS
GREASE CONTROL DEVICE INCENTIVE PROGRAM
October 2, 2006

Introduction:

The Palm Springs Grease Control Device Subsidy Program is designed to encourage restaurants and food service establishments (FSEs) operating within the City limits to reduce or eliminate the fats, oil, and grease (FOG) that is flushed into the sanitary sewer collection system. The City's sewer lines are not designed to carry FOG in high concentrations and the result is blockages causing sewage overflows and increased sewer line maintenance costs. Both the Palm Springs FOG Ordinance #1682 enacted by the City Council on May 1, 2006 and California regulations require rigorous management of this common problem.

In response, the City of Palm Springs invites FSEs to participate in a direct subsidy program where the City provides financial incentives to install or upgrade grease control devices to comply with Ordinance #1682.

Amount of Assistance:

FSEs will be eligible for one time grants in the amount of:

- 50% of the cost for a grease trap up to \$1,500 each (limit two per establishment), or;
- 50% of the cost for a grease interceptor up to \$ 10,000.

The total program funds available are \$300,000. The "first-come first-served" program will end when these funds are expended.

Eligibility of Applicants:

Applicants must:

- Own or operate a FSE (as defined within the City Ordinance #1682) within the City limits and be connected to the Palm Springs Sewer collection system. If applicant is a tenant of property in which the grease control device is to serve, applicant must provide proof of multi-year lease on the space to be served by the grease control device; and must show written landlord approval of plans to install the grease control device;
- Hold a current City of Palm Springs business license;
- If applicant is a new business, both financial records and a business plan must be provided.

Eligibility of Improvements:

Costs that are eligible for partial reimbursement under this program include:

- New, replacement, and expanded grease control devices;
- Grease traps and grease interceptors as defined in Ordinance #1682;
- Associated appurtenances and installation costs.

Ineligible Improvements:

Costs that are *ineligible* for partial reimbursement under this program include:

- Ongoing system maintenance after installation;
- Lost business during construction/installation of grease control device;
- FSE administrative costs to apply for, install, and implement the new grease control device.

Documentation Required:

Required documents will include:

- Manufacturing literature and specifications that illustrate device compliance with Ordinance #1682;
- Obtain pre-approval of device and a permit to construct from City Building Department;
- A minimum of two bids will be required for projects exceeding \$10,000 in total cost.

Application Process:

- Applicant must submit official City of Palm Springs Grease Control Device Incentive Program Application Form with required attachments for pre-approval at the time the building permit is applied for;
- The City will respond with a commitment or denial letter within 30 business days of application package submittal;
- Upon acceptance into the program, the FSE applicant will then complete the installation and provide documentation of completed grease control device installation and/or construction, along with the final cost, proof of payment and contractor lien release form;
- The City will then send payment to the FSE equivalent to 50% of the actual cost, up to the maximums allowed, within 30 business days.

Application Form:

CITY OF PALM SPRINGS

GREASE CONTROL DEVICE INCENTIVE PROGRAM

APPLICATION FORM

The City of Palm Springs will provide a rebate of up to 50 percent of the cost for a grease trap up to \$1,500 (limit two per establishment), or 50 percent of the cost for a grease interceptor up to \$ 10,000. Submit completed applications to Mr. Dave Barakian, City Engineer, City of Palm Springs, 3200 East Tahquitz Canyon Way, Palm Springs, California 92262. Rebates will be provided within 30 days after receipt of documentation showing proof of installation of the grease control device, proof of payment for the grease control device, and a contractor lien release form.

A. APPLICANT INFORMATION

Name: _____

Mailing Address: _____

Telephone: (Daytime) _____ (Evening) _____

Is Applicant the owner of the property at which the grease control device is to be located?

(Yes or No): _____

If Applicant is not same as property owner, provide such person's name, mailing address, and telephone number at which he/she can be reached.

Name: _____

Address: _____

Telephone: _____

If Applicant is not property owner, please indicate term of lease (number of years) for occupying space to house business: _____ year(s). Please attach copy of lease.

B. PROPERTY AND BUSINESS INFORMATION

Address of property to house grease control device:

Name of business to be served by grease control device: _____

Provide brief description of the nature of the business and the type of food service to be offered: _____

Is this a new business? _____ Yes _____ No. If a new business, provide a copy of business plan, showing income sources and cash flow for at least two years.

If an existing business, provide a copy of federal and state income tax return for past five years. Note: ALL personal and business information will be kept strictly confidential.

C. GREASE TRAP REQUIREMENTS

State size of grease control device being required to serve the business: _____ Gallons.

Estimated cost of grease control device: \$ _____.

Attach copies of proposals for installation of grease control device(s). A minimum of two proposals will be required for costs greater than \$10,000.

D. PROPERTY OWNER'S ACKNOWLEDGEMENT
(Required if applicant is not property owner.)

As owner of the property located at: _____,

in Palm Springs, California, I acknowledge that the applicant is seeking assistance under the City of Palm Springs Grease Control Device Incentive Program, and is a tenant of the above-stated property. Further, I have given permission for the applicant to have a grease control device installed, in compliance with applicable regulations of the City of Palm Springs, to serve the business at the property identified above.

Name of Owner: _____ Signature: _____

E. ASSURANCES

I hereby assure that all information provided within this application for assistance under the City of Palm Springs Grease Control Device Incentive Program is true and accurate. If any information provided herein is found not to be true and accurate, I acknowledge that the City of Palm Springs may choose not to give this application further consideration.

Name of Applicant: _____ Signature: _____

OFFICE USE ONLY:

Application received: _____

Application received by: _____

Appendix I – List of Food Service Establishments (FSE's) [December, 2013]

**Palm Springs, CA
Food Service Establishment List**

| Fac. # | Business | Address | Phone | Type of Business | Owner/Mgr. | GCD Vol | Pump Freq. | Intro. Visit | Fir. Ins. | Sec. Ins. | Thir. Ins. | Four. Ins. |
|--------|--------------------------------------|--------------------|----------|------------------|------------------------------|---------|------------|--------------|-----------|-----------|------------|------------|
| | Palm Springs Unifted School District | 333 S Farrell Dr | 861-1379 | Main Office | Jerry Greene - Administrator | | | | | | | |
| | Cahuilla School | 677 Techevah Drive | 416-8283 | School | | | | | | | | |
| | Cielo Vista School | 650 Paseo Dorotea | 416-8250 | School | | | | | | | | |
| | Desert Chapel Christian School | 630 S Sunrise Wy | 327-1012 | School | | | | | | | | |
| | Katherine Finchy School | 777 Tachevah Dr | 416-8190 | School | | | | | | | | |
| | Palm Springs High School | 2248 E Ramon Rd | 778-0400 | School | | | | | | | | |
| | Raymond Cree Middle School | 1011 E Vista Chino | 416-8283 | School | | | | | | | | |
| | St Theresa Catholic School | 455 S Compadre Rd | 327-4919 | School | | | | | | | | |

Appendix J – FSE Inspection Report



Food Service Establishment (FSE) Inspection Report For Fats, Oils, & Grease (FOG) Program

EHS Facility No. _____

Date of Inspection: _____

| | |
|---|--|
| <i>Name of Discharging FSE:</i> | <i>Lower Explosive Limit (LEL):</i> _____ <i>Oxygen (O2):</i> _____ <i>Hydrogen Sulfide (H2S):</i> _____ <i>Carbon Monoxide (CO):</i> _____ |
| <i>Location of Discharging FSE:</i> | <i>pH Reading taken?</i> () Yes () No <i>pH Level:</i> _____ <i>Grease Interceptor Capacity Exceeded?</i> () Yes () No <i>Interceptor/Separator Pumping Required?</i> () Yes () No <i>Excessive Odors Noted?</i> () Yes () No |
| <i>Mailing Address:</i> | <i>Are Additives/Emulsifiers used in the drain system at this facility?</i> () Yes () No <i>If Yes, what type?</i> _____ <i>Hour / Duration of Inspection:</i> _____ Hr _____ Min |
| <i>FOG Removal System(s/#):</i> Recycle Bin(/) Vault(/) Trap(/) <i>Big Dipper(/) Manual(/) Other [Specify] _____ None()</i> | <i>FOG Removal System Capacity:</i> _____ (Volume in Gallons) <i>Plumbing Condition?</i> _____ <i>Foreign Objects?</i> () Y () N |

Best Management Practices (BMPs) applied:

Garbage (Grinder) Disposal Unit: Yes _____ No _____ Drain Screen: Yes _____ No _____ Method(s) of Food / Solids Disposal: _____

Grease/Cooking Oil Storage Unit Location: () In () Out _____ Covered/Bermed: _____ Discharge to Sewer: _____

Training Records Available: Yes _____ No _____ BMPs Posted: Yes _____ No _____ Water Temp. <150°F - Measurement _____

Equipment Washing Procedures: Does this facility utilize an automatic dishwashing system? () Yes () No

Location of cleaning mats, etc. (in/out): _____

If out, is area covered/bermed? _____

Discharge to grease trap? Yes _____ No _____

Discharge to Stormwater System? Yes _____ No _____

Grease Control Device Maintenance Records:

Records at Establishment: Yes _____ No _____ Cleaning Firm or Hauler: _____ Date Last Serviced: _____

Cleaning on a Schedule: Yes _____ No _____ If yes, what schedule? _____

Samples Collected? Yes _____ No _____ Photographs Taken? Yes _____ No _____ Describe: _____

Required Actions/Comments _____

Results of Re-Inspection: _____ **Date:** ___/___/___

Contact Name and Title: _____ **Signature:** _____

Inspector: _____ **Date:** _____

Appendix K – FSE Mandatory Inspection Service Order



Food Service Establishment Mandatory Service Order

| | |
|---------------------------|-------------------------------|
| <i>Business Name:</i> | <i>Manager's Name:</i> |
| <i>Business Location:</i> | <i>Local Business Phone #</i> |

All food service establishments operating grease control devices are required to properly maintain their grease control devices in good working order to prevent the release of excess fat, oil, and grease to the City's sewer system. The owner is required to establish and implement a routine pumping schedule with a service that collects, handles, transports, and disposes of the wastes in accordance with local and state laws. In addition, the owner is required by the City Code to submit a copy of the pumping transport manifest to the City, if requested.

This Mandatory Service Order is issued because excessive buildups of fat, oil and grease (FOG) in the sewer collection system servicing your establishment has been found by City Maintenance Crews; and your establishment is suspected to be the source of this fat, oil and grease. The City is requiring your business to remove all collected floating grease, all wastewater, and all settled solids from your grease control devices; and to inspect the interior of the grease control devices for damage. All damages found in the grease control devices must be properly repaired before placing back into service. The removed FOG, wastewater, and solids must be properly manifested for transport and disposal. To verify that this work has been accomplished in the prescribed time period, the City is requiring you to submit a copy of the manifest to the City.

Failure to comply with this order shall be considered a violation of the City Code and subject you to enforcement actions by the City. The City may also seek cost recovery from you for expenses incurred by the City to remove the excess FOG from the City's Sewer Lines.

If you have any questions concerning this matter, please feel free to contact the Compliance Program Manager at (760) 323-8166.

Required Actions and Time Allowed for Completion of Tasks

| | |
|--|--|
| | |
| | |
| | |
| | |

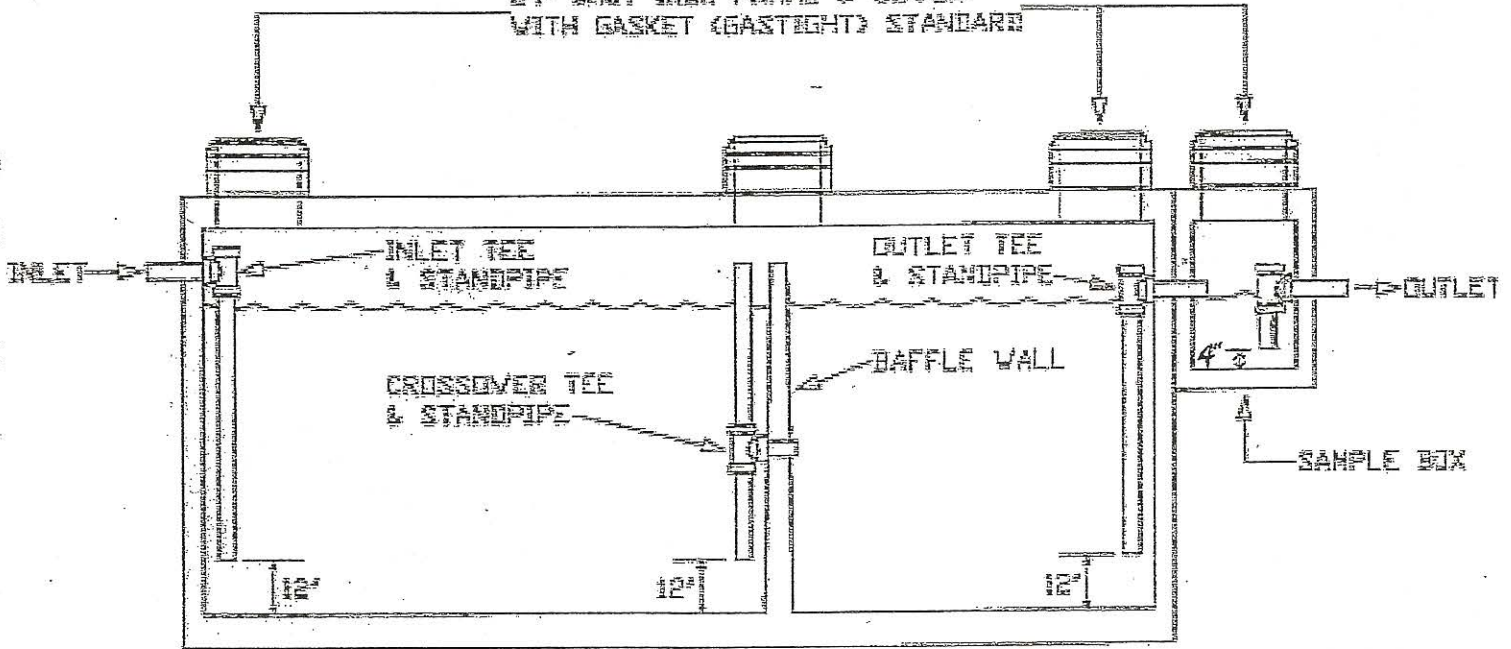
The City will consider any requests from the business for extension of due dates or modifications to the requested actions. However, the business may be held responsible for any and all damages and costs incurred by the City as a result of the business's failure to take prompt corrective and preventative actions.

| | | |
|---|-------------------|---------------------|
| <i>Order Issued by: (print or type)</i> | <i>Signature:</i> | <i>Date Issued:</i> |
|---|-------------------|---------------------|

Appendix L – Grease Interceptor Schematic

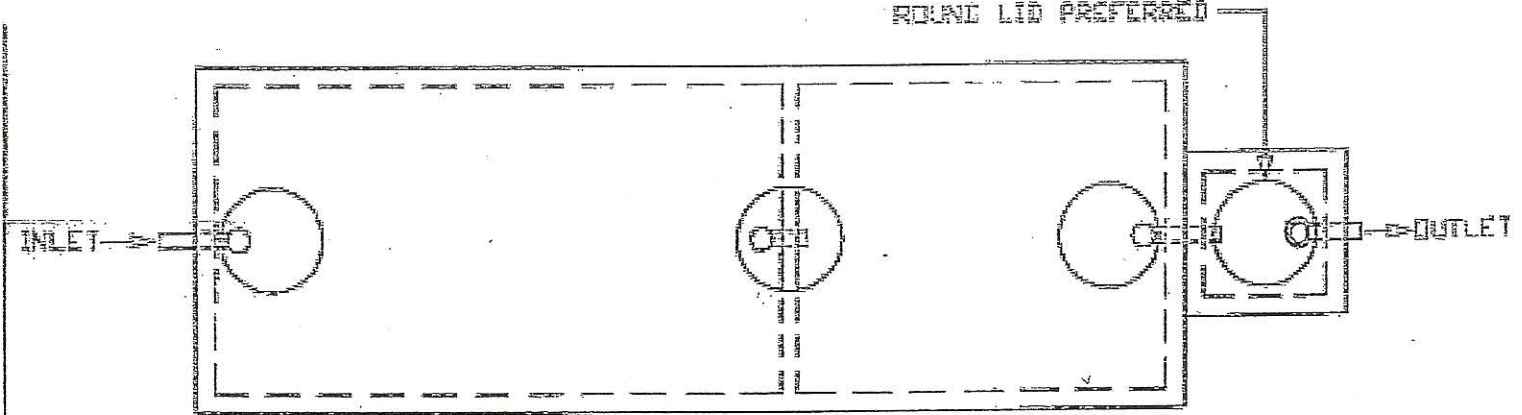
TYPICAL GREASE INTERCEPTOR
DRAWING NOT TO SCALE

24" CAST IRON FRAME & COVER
WITH GASKET (GASTIGHT) STANDARD



SIDE VIEW CUTAWAY

ROUND LID PREFERRED



TOP VIEW (LIDS REMOVED)

Appendix G – Sanitary Sewer Master Plan

CITY OF PALM SPRINGS

Sewer Master Plan

FEBRUARY 2009



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| 3.0 STUDY AREA..... | 11 |
| 4.0 DESIGN FLOW - CRITERIA | 15 |
| 5.0 SEWER SYSTEM ANALYSIS AND EVALUATION..... | 20 |
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APPENDICES

- APPENDIX A – Flow Meter Data**
- APPENDIX B – Diurnal Curves**
- APPENDIX C – CIP Cost Estimates**
- APPENDIX D – CIP Project Area Maps**
- APPENDIX E – Model Results and Maps**

Section 1

EXECUTIVE SUMMARY

1.1 INTRODUCTION

The objectives of this Sanitary Sewer Master Plan (SSMP) for the City of Palm Springs are to assess the current public sewerage system in the City and address the City's future sewerage capacity requirements. The general scope of work includes:

- Data Collection and Review
- Sewer System Inventory and Digitization
- Sewer System Description
- Land Use Analysis
- Measurement of Existing Flows
- Sewer Collection and Pumping System Analysis
- Sewer Master Plan Document Preparation

Through the master planning process, hydraulic, and operation needs are defined. The objective of this study is to recommend corrective programs and projects for the City's existing public sewerage system to be used in its yearly Capital Improvement Plan (CIP).

The Primary goal of this Sanitary Sewer Master Plan is to update the 1993 Sewer Master Plan prepared by Montgomery Watson and to provide a long term foundation for building and maintaining the City's public sewerage and to safely collect and transfer all wastewater flows throughout the City. It is recommended that the proposed projects contained in the report become the focus of further study and design as the recommendations in this Sanitary Sewer Master Plan are general. This study's major findings, which form the basis for the Sanitary Sewer Master Plan recommendations, are based primarily on the condition and capacity of the existing public sewerage systems.

This Sanitary Sewer Master Plan provides an evaluation of the adequacy of the City's existing public sewerage system's capacity for transporting both current and future wastewater flows. Information for the planning and implementation for improving the City's public sewerage system, and the recommendations associated costs, have been incorporated within the CIP.

1.2 BACKGROUND

In 1993, Montgomery Watson completed a Sanitary Sewer Master Plan for the City of Palm Springs. Since that time, the City has experienced growth and development, warranting an update to the Sanitary Sewer Master Plan. Due to the City's growth, its utilities and infrastructure, including its public sewerage system, has been impacted. There are multiple pipeline segments that flow full

during existing dry weather conditions, with some pipelines surcharging (flow partially filling manholes) during peak wastewater flow periods.

Currently, The City of Palm Springs public sewerage system services a population of approximately 47,251, as shown in Table 3-1, with a peak population of about 70,000 in a city measuring approximately 95 square miles. The study area, which is used for determining existing and future sewer flows, encompasses approximately 19 square miles. Shown in Figure 1-1 is the Study Area for the project. The areas of Windy Point, Parcel 4, PM 21921 – Highway Commercial and the Dream Homes development are not shown in Figure 1-1, but have been included in determining existing and future sewer demands. The City of Palm springs public sewerage system currently consists of approximately 264.5 miles of sewer pipeline ranging in size from 6 inch to 42 inch in diameter, 5,475 manholes, with about one manhole per every 300 feet of pipeline and 5 Sewer Lift stations

1.3 BENEFITS OF MASTER PLANNING

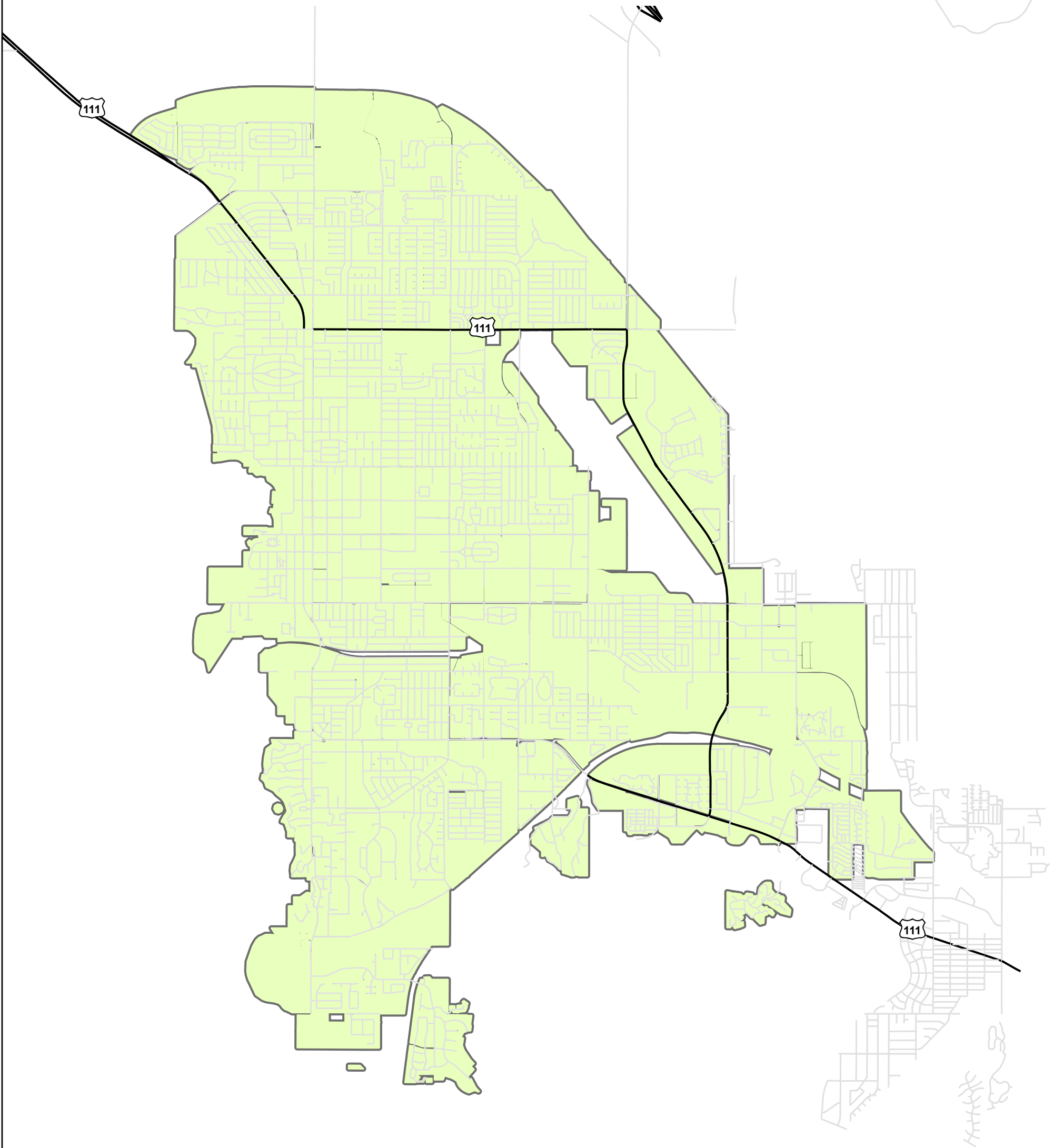
A sewer master plan is designed to be a guide for the development of a wastewater collection system for a specific drainage basin. Through the master planning process, long term hydraulic, structural and operation needs are defined. Alternatives to fulfill the defined needs are then identified, developed, and screened and a plan is selected for implementation. The implementation plan considers when facilities will be needed, then when labor and financial resources will be required, and when to develop the concepts, complete the design, the bidding, and construction, to operate and maintain the new facilities.

The following benefits are realized by preparing a comprehensive, long term master plan:

- Defines both current and long term needs of the City Sanitary Sewer System.
- Provides general description of the collection system as well as documents flow routing for use in the operation and planning of new pipelines, thus reducing the time needed to train new employees.
- Provides guidelines for scheduling work loads, staffing plans and justifications for City staffing.
- Provides information for making sound decisions on collection system operations, financing, staffing, and building permitting.
- Provides the basis for financial planning so that resources are available when needed.
- Reduces the cost of planning, design, and construction.
- Allows proactive management of the wastewater collection facilities rather than reactive management.

This Sanitary Sewer Master Plan is intended to be a working document which is meant to be refined and updated as additional planning information becomes available. Specifically, the project list and schedule should be reviewed and revised, as necessary, a minimum of every five years, or whenever there are major changes in planning assumptions (e.g. significant changes in land use projections). The collection system computer model used as part of this study will allow City staff to make updates to the Master Sewer Plan and to develop what-if scenarios for future developments within the City.

CITY OF PALM SPRINGS STUDY AREA



LEGEND

- Freeways
- Streets
- Study Area

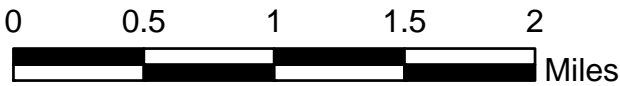


FIGURE 1-1

The recommendations of this Sanitary Sewer Master Plan are based on planning-level calculations and estimates. Therefore, the need for, and size of, individual projects should be confirmed prior to design and additional field investigations. As the implementation of this Sanitary Sewer Master Plan proceeds, it is anticipated that changes in the recommended projects and their corresponding priorities may occur.

1.4 KEY FINDINGS

The findings of this Sanitary Sewer Master Plan are based on the hydraulic and observed conditions of the City’s existing public sewerage system. As development increases within the City, several pipelines will need to be replaced, relieved, rehabilitated, or modified to provide sufficient capacity in the system for the increased flows.

1.4.1 Criteria

Wastewater system planning standards were developed for estimating future average dry weather flows that will be generated by the study area. Design standards were established for sizing adequate facilities that will collect the wastewater from the study area and convey it to regional trunk sewers and treatment facilities.

Several sources of unit flow factors for existing land uses were considered. A review of unit flow factors was conducted and the factors shown in Table 1-1, below, from the Water Agencies’ Standards for several agencies in San Diego County would be used for the City of Palm Springs.

**Table 1-1
Sewer Generation Factors**

| Land Use Type | Unit | Flow |
|----------------------|-------------|-------------|
| Residential | GPD/EDU | 250 |
| Commercial | GPD/Acre | 1,500 |
| Industrial | GPD/Acre | 2,000 |
| Institutional | GPD/Acre | 1,000 |
| Parks | GPD/Acre | 300 |

The sewer model was conducted as an extended period simulation. The relationship between the AWF and hourly flow in extended period simulations is represented as a diurnal curve. A diurnal curve is typically made up of 24 separate factors that represent the ratio of hourly flow to AWF for each hour of the day. Diurnal curves were created for each of the tributary basins in the City of Palm Springs. The curves were created from the measured flow during the weekend of April 19th through the 20th, 2008. The daily average flow was calculated based on the metered flow. The measured flow each hour was then divided by the average flow for the same day during this two day period. This resulted in a 48 hour diurnal curve pattern that was used for all tributary flow in the immediate upstream basin to each flow monitor.

The criteria used to determine if the sanitary sewers had adequate capacity to convey existing and future wastewater flows was defined for pipes greater than and equal to 15 inches in diameter and pipes smaller than 15 inches. The limits of the ratio between the depth of the wastewater flow in the

pipe and the pipe diameter is used to determine whether the capacity is sufficient for existing sewers and to size new sewers as needed. Existing sewers 15 inches and greater with a d/D greater than or equal to 75% during peak flow are hydraulically deficient. Sewers smaller than 15 inches are defined to be hydraulically deficient when the d/D ratio is greater than 50% during peak flow conditions.

1.4.2 Hydraulic Capacity

The hydraulic capacity findings were based solely on the results from the computer model used for this study and has been calibrated using the sewer flow data conducted by E2 Consulting Engineers on 14 different locations of the City Sewer System, as shown in Figure 1-2. The result of the study indicated pipelines which are flowing over capacity during existing peak, Year 2015 and build-out (Year 2025) peak conditions. These pipelines should be upgraded according to the rate at which the City develops.

1.4.3 Field Observations

Field inspections by Veolia and the City Staff on the City's public sewerage system identified those areas in the public sewerage system which had been known to have problems in effectively transporting wastewater, as well as areas where the effective transport of wastewater was in question. Many of the areas identified as having capacity issues during the hydraulic analysis were the same areas identified by field inspections. This confirms the hydraulic model results.

1.5 RECOMMENDATIONS

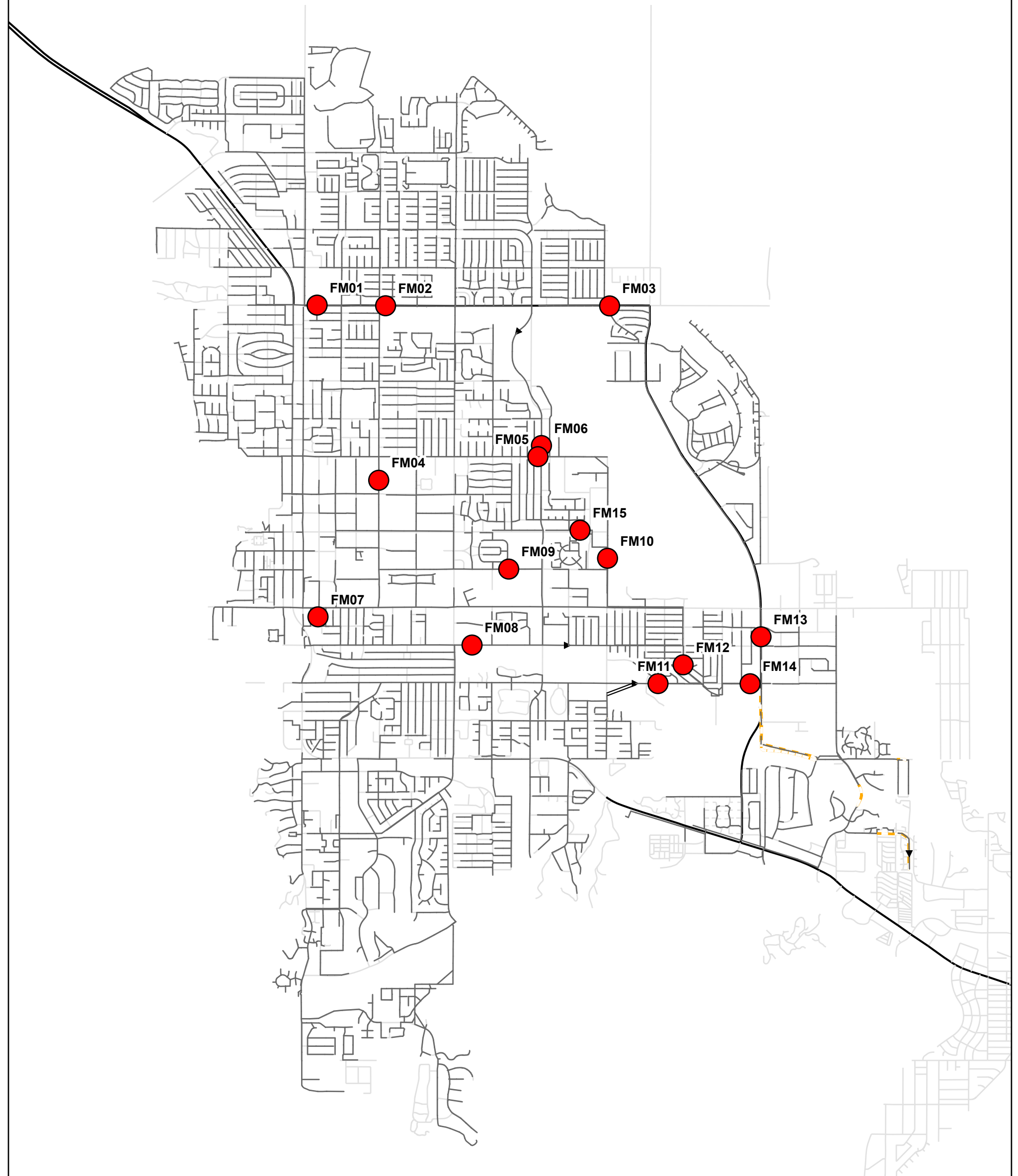
Based on the hydraulic capacity results for the City's public sewerage system and field observations, sanitary sewer improvement projects have been developed to solve the identified deficiencies. The order of the proposed projects has been prioritized to relieve that portion of the public sewerage system with the most severe deficiencies first. The recommended Capital Improvement Plan, shown on Figure 1-3 combines these projects into a phased Capital Improvements Program for the period until year 2025.

The Indian Canyon Drive Upsize Project is the first recommended project. The 8, 10 and 12 inch lines are projected to flow at least 67% full at build out conditions. Most of the pipe lines are expected to surcharge at build out conditions. Since there are no adequate sewer lines to divert flow to in the area, upsizing is recommended.

The Palm Canyon Drive Upsize Project is the second recommended project. The 10 inch line is experiencing at least 41% depth of flow at Year 2025 flow conditions. One line is projected to experience surcharging flows at build out conditions. Since there are no adequate sewer lines to divert to in the area, upsizing is recommended.

The Indian Avenue Upsize Project involves 10, 12 and 15 inch lines completely surcharging at Year 2015 and build out conditions, due to the connection to the Parcel 4, PM 21921 development. Since there are no adequate lines to divert flow to in the area, and there is no other connection point with capacity for the development to connect to the sewer system, upsizing the lines on Indian Avenue is

CITY OF PALM SPRINGS FLOW MONITORING LOCATIONS



LEGEND

- Flow Meters
- - - FORCEMAIN
- ▶ GRAVITY
- = SIPHON
- Freeways
- Streets

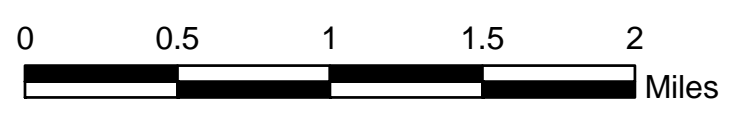
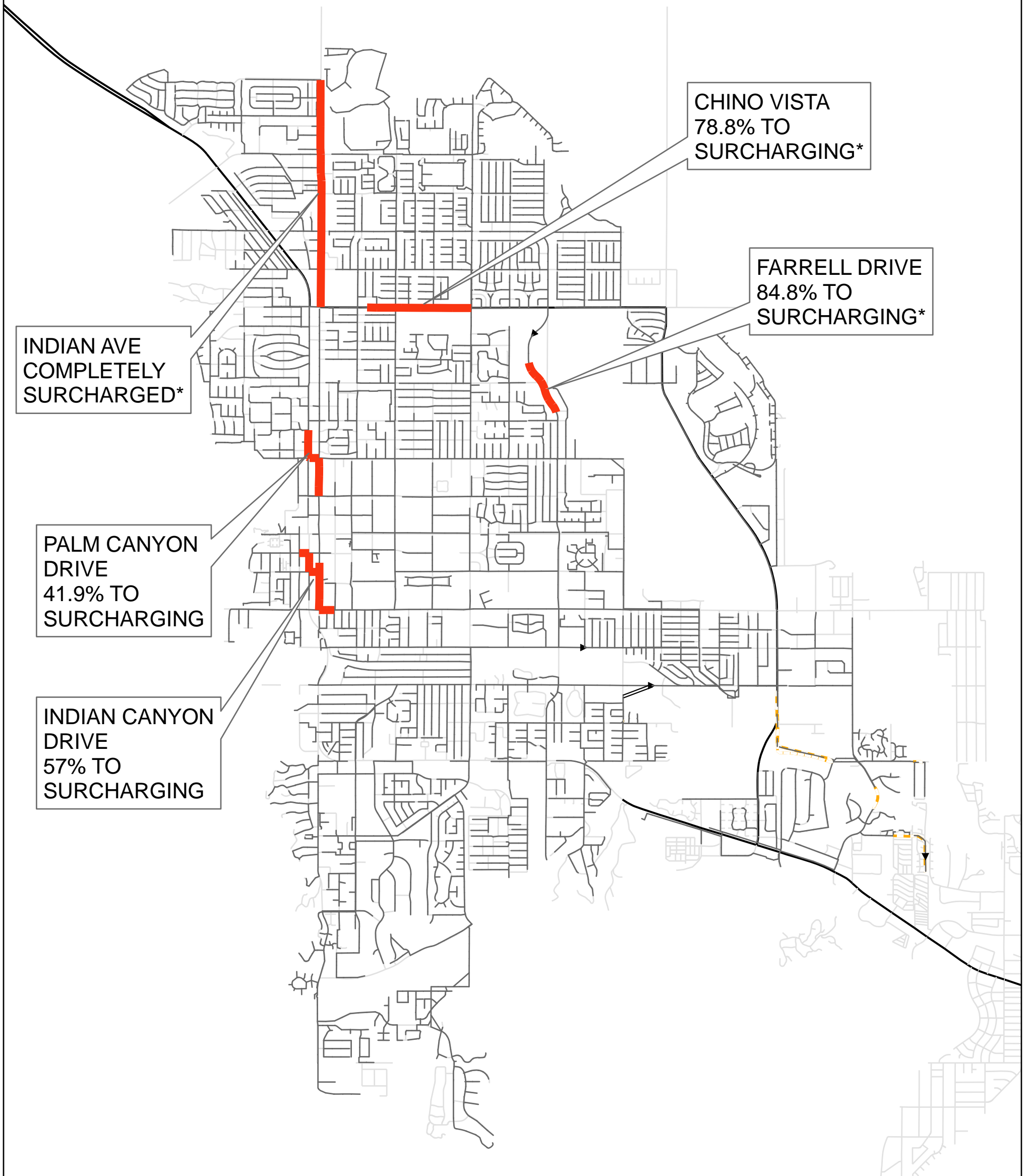


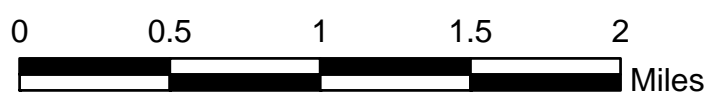
FIGURE 1-2

CITY OF PALM SPRINGS CIP PROJECTS



LEGEND

- █ CIP Projects
- Freeways
- Streets



* Optional Projects, dependent on the proposed connection to the Highway Commercial development

FIGURE 1-3

recommended. It should be noted that this project is optional since it is still to be decided whether the Parcel 4, PM 21921 development will actually connect to the City’s sewer system.

Another optional project is the Farrell Drive Upsize Project. The 24 inch line is experiencing at least 83% depth of flow at Year 2025 flow conditions. One line is projected to experience surcharging flows at build out conditions. Since there is no adequate diversion to sewer lines in the area, upsizing is recommended. This necessity of this project is also dependent on whether the Parcel 4, PM 21921 development will actually connect to the City’s sewer system.

The final optional project is the Vista Chino Upsize Project. The 18 and 21 inch segments are flowing at least 78% full and two segments are projected to surcharge. This necessity of this project is also dependent on whether the Parcel 4, PM 21921 development will actually connect to the City’s sewer system.

Costs for correcting the deficiencies in the City’s public sewerage system are presented in Table 1-2. A prioritized order of construction has been developed assuming the year 2025 conditions increase linearly to identify the most cost-effective plan for the overall public sewerage system.

The recommended Capital Improvement Plan provided for approximately 19,782 linear feet of new sanitary sewers to be constructed over the next 17 years. The total capital outlay for the plan is estimated at approximately \$17.0 million. The phasing of the plan has been designed to address the most critical needs first and to provide preliminary budgets for construction over an extended period.

**Table 1-2
Capital Improvement Projects**

| Capital Improvement Project | Phase 1 2008 - 2015 | Phase 2 2015 - 2025 | Total |
|------------------------------------|--------------------------------|--------------------------------|---------------------|
| Indian Canyon Drive Upsize | \$2,416,000 | | \$2,416,000 |
| Palm Canyon Drive Upsize | \$1,804,000 | | \$1,804,000 |
| Indian Ave Upsize* | | \$6,548,000 | \$6,548,000 |
| Farrell Drive Upsize* | | \$1,868,000 | \$1,868,000 |
| Chino Vista Upsize* | | \$4,401,000 | \$4,401,000 |
| TOTAL | \$4,220,000 | \$12,817,000 | \$17,037,000 |

*Optional project, depending on future connection to Parcel 4, Highway Commercial Development

1.6 GENERAL

- Adopt the *Sanitary Sewer Master Plan for the City of Palm Springs* as the planning guideline for the City’s public sewerage system.
- Update the Sanitary Sewer Master Plan whenever new planning information becomes available or when major development changes occur within the City. The Sanitary Sewer

Master Plan updates should occur in periodic intervals of no more than, five years, or to coincide with the updates to the City's General Plan.

- Develop a plan for periodic and continued closed circuit televising (CCTV) of all pipelines located in the Study Area, including CCTV frequency to monitor problem areas. The schedule should consider the age and condition of each pipe segment in the Study Area.
- Replacement pipelines shall be sized to flow half full for those pipelines 12-inches in diameter and less and three-fourths full for pipelines 15-inches and greater during peak dry weather flow.

The following are recommendations for immediate action over the next 5 years:

- Add the Recommended Projects, outlined in Section 6 of this report, to the City's Wastewater Capital Improvement Plan.
- Continue the City's CCTV Inspection Program to monitor the condition of the Study Area's sewer pipelines
- Install permanent flow monitors in the areas identified to be under capacity.

Section 2

INTRODUCTION

This section illustrates the study and planning area of this Sanitary Sewer Master Plan and the City's existing public sewerage system. Several different methods were employed to evaluate the City's public sewerage system, including field observations, an inventory of the existing public sewerage system and system hydraulic sewer modeling. Each method taken for completing the evaluation of the City's public sewerage system is presented in this section of the report, followed by a description of how the plan report is organized.

2.1 FLOW MONITORING

To measure existing wastewater flows throughout the City and to determine the average wastewater flows in the public sewerage system, 14 sewer monitors were strategically placed throughout the City. These flow monitors measured the wastewater flows from different areas of the City, separating the City into tributary areas. Flow measurements in these areas are used to calibrate the sanitary sewer hydraulic computer model. Diurnal curves were developed based on flow data obtained both in the system from the flow monitors and at the Palm Springs Wastewater Treatment Plant and used to determine both existing and future peak wastewater flows in the public sewerage system for pipeline design purposes.

2.2 MODELED SEWERAGE SYSTEM

The adequacy of the existing hydraulic capacity of the sanitary sewer lines for the current and future flow conditions was determined using a SewerCAD computer model. The model was used in conjunction with the GIS database files.

Most of the pipelines modeled have diameters of 8 inches or greater. Table 2-1 and Table 2-2 summarize the modeled public sewerage system which represents approximately 264.5 miles of sanitary sewers, 5475 maintenance holes (MH) and 5 sewer lift stations.

Flow splits occur in sanitary sewer systems when there are two or more pipes leaving a single maintenance hole. Many flow splits contained in the GIS information were erroneous and an effort was made to eliminate most of the flow splits in order to create a functional model. However, it is understood that there are a few flow diversion structures that actually exist in the City's sewer system. It is recommended that the City verify the locations of these structures, along with invert elevations of pipes entering and exiting these manholes, and update the hydraulic model accordingly.

2.3 RECOMMENDED PLAN

The Recommended Plan will provide adequate hydraulic capacity for both existing and future conditions. Existing and future land uses within the City's Sphere of Influence (SOI), and projected

growth of the City, will directly impact wastewater and pipe line capacities. Public sewerage system maintenance, upgrading, and replacements have all been considered and addressed in the Recommended Plan. A phased CIP is provided in Section 6 of this report and prioritizes the proposed CIP projects.

2.4 ORGANIZATION OF THIS REPORT

This Sanitary Sewer Master Plan uses text, figures and tables to present the process, findings and recommendations of the study. A review of the concerns of this report will assist readers in locating necessary information.

- Section 1, The **Executive Summary** provides an overview of the key findings and recommendations of this report.
- Section 2, **Introduction**, provides an orientation to the Study Area, and describes the nature and scope of this master planning project.
- Section 3, **Study Area**, describes the Study Area’s land use characteristics, sanitary sewer basins, and current and future population estimates for the City of Palm Springs.
- Section 4, **Design Flow Criteria**, provides the process for determining the existing and future wastewater flows.
- Section 5, **Sewer System Analysis and Evaluation**, explains the methods and criteria used to evaluate the City’s public sewerage system, and
- Section 6, **Sewer System Recommended CIP**, outlines the Capital Improvements Plan for the recommended projects, summarizes the projected costs, and provides recommendations for the implementation of the City’s Sanitary Sewer Master Plan.
- The **Appendices** provided in this report contain background information and model results and are referred to in the text as the location of supplementary facts and figures.

**Table 2-1
Modeled Public Sewerage System Gravity Pipeline Summary**

| Pipe Diameter (in) | Length of Pipe (ft) |
|--------------------|---------------------|
| 6 | 12,326 |
| 8 | 1,045,018 |
| 10 | 67,588 |
| 12 | 100,265 |
| 15 | 76,642 |
| 18 | 14,595 |
| 21 | 8,486 |
| 24 | 20,391 |
| 27 | 2,459 |
| 30 | 2,985 |
| 33 | 1,584 |
| 39 | 6,540 |
| 42 | 1,170 |

**Table 2-2
Pump Station Summary**

| Pump Station | Street | Cross Street | Up MH | Dn MH | Force Main Dia | No. of Pumps | Capacity per Pump(gpm) | TDH (feet) | Pump HP |
|---------------------|-------------------------|-----------------------------|--------------------------------------|------------------|-----------------------|---------------------|-------------------------------|-------------------|----------------|
| 1 | Golf Club Dr. | 34 th St. | K13049 K13035 K13069 K13003 | K12017 K12075 | 16 10 | 2 | 2650 1850 | 76 52 | 100 |
| 2 | Golf Club Dr. | Portola Dr. | L14017 | L14001 L14013 | 10 6 | 2 | 1460 | 34 | 15 |
| 3 | Via Grande | Dead End | L14063 | L14057 | 6 | 2 | 400 | 57 | 10 |
| 4 | 34 th Street | Laurence and Marguerita Rd. | L13131 | L13127 | 4 | 2 | 150 | 40 | 5 |
| 5 | El Cielo Rd | Sonora Rd. | H12035 | H12027 | 8 | 2 | 300 | 20 | 5 |

2.5 ABBREVIATION:

To conserve space and improve readability, abbreviations have been used in this report. Each abbreviation has been spelled out in the text the first time it is used. Subsequent usage of the term is usually identified by its abbreviation. The list of abbreviations utilized in this report is contained in Table 2-3.

**Table 2-3
Abbreviations**

| Abbreviations | Explanation |
|----------------------|-----------------------------|
| AC | Acres |
| ADWF | Average Dry Weather Flow |
| AWF | Average Wastewater Flow |
| cfs | Cubic Feet per Second |
| CCTV | Closed Circuit Televising |
| CBD | Central Business District |
| CIP | Capital Improvement Program |
| City | City of Palm Springs |
| d/D | Depth to Diameter Ratio |
| DOF | Department of Finance |
| DU | Dwelling Unit |
| EDU | Equivalent Dwelling Unit |
| ER | Estate Residential |

| Abbreviations | Explanation |
|----------------------|--|
| ft/s | Feet per Second |
| GIS | Geographic Information System |
| gpd | Gallons per Day |
| gpm | Gallons per Minute |
| HDR | High Density Residential |
| HGL | Hydraulic Grade Line |
| HP | Horsepower |
| I/I | Inflow and Infiltration |
| IND | Industrial |
| LDR | Low Density Residential |
| LF | Linear Feet |
| MDR | Medium Density Residential |
| MGD | Million Gallons per Day |
| MH | Manhole |
| MU | Mixed Use / Multi Use |
| NCC | Neighborhood Community Commercial |
| O&M | Operations and Maintenance |
| OS-P | Open Space – Park |
| P/O | Public / Office |
| P/QP | Public / Quasi Public |
| P/U | Public / Utility |
| PDWF | Peak Dry Weather Flow |
| PF | Peaking Factor |
| PWF | Peak Wastewater Flow |
| PWWF | Peak Wet Weather Flow |
| RC | Regional Commercial |
| SCAG | Southern California Association of Governments |
| SCH | School |
| SH | Small Hotel |
| SOI | Sphere of Influence |
| SSMP | Sanitary Sewer Master Plan |
| TDH | Total Dynamic Head |
| TRC | Tourist Resort Commercial |
| TSF | Thousand Square Feet |
| USGS | United States Geological Survey |
| VCP | Vitrified Clay Pipe |
| VFD | Variable Frequency Drive |
| VLDR | Very Low Density Residential |

Section 3

STUDY AREA

3.1 STUDY AREA

The study area for this Master Plan consists of the City of Palm Springs as well as other surrounding areas located within City of Palm Springs SOI. The Palm Springs SOI encompasses approximately 42 square miles. The study area is located in eastern Riverside County and bounded by the City of Cathedral City to the East and Southeast, the southerly boundary of Eagle Canyon to the South, the San Bernardino national Forest to the West and along the south and west boundary of the Whitewater River to the North.

3.2 HISTORICAL AND PROJECTED POPULATION

The City's historical population estimates are based on the Department of Finance (DOF) and the United States Census Bureau data, as listed in Table 3-1. Future estimates were obtained from the Southern California Association of Government's (SCAG) projection, presented in Table 3-2

**Table 3-1
Historical Population Estimates (1990-2008)**

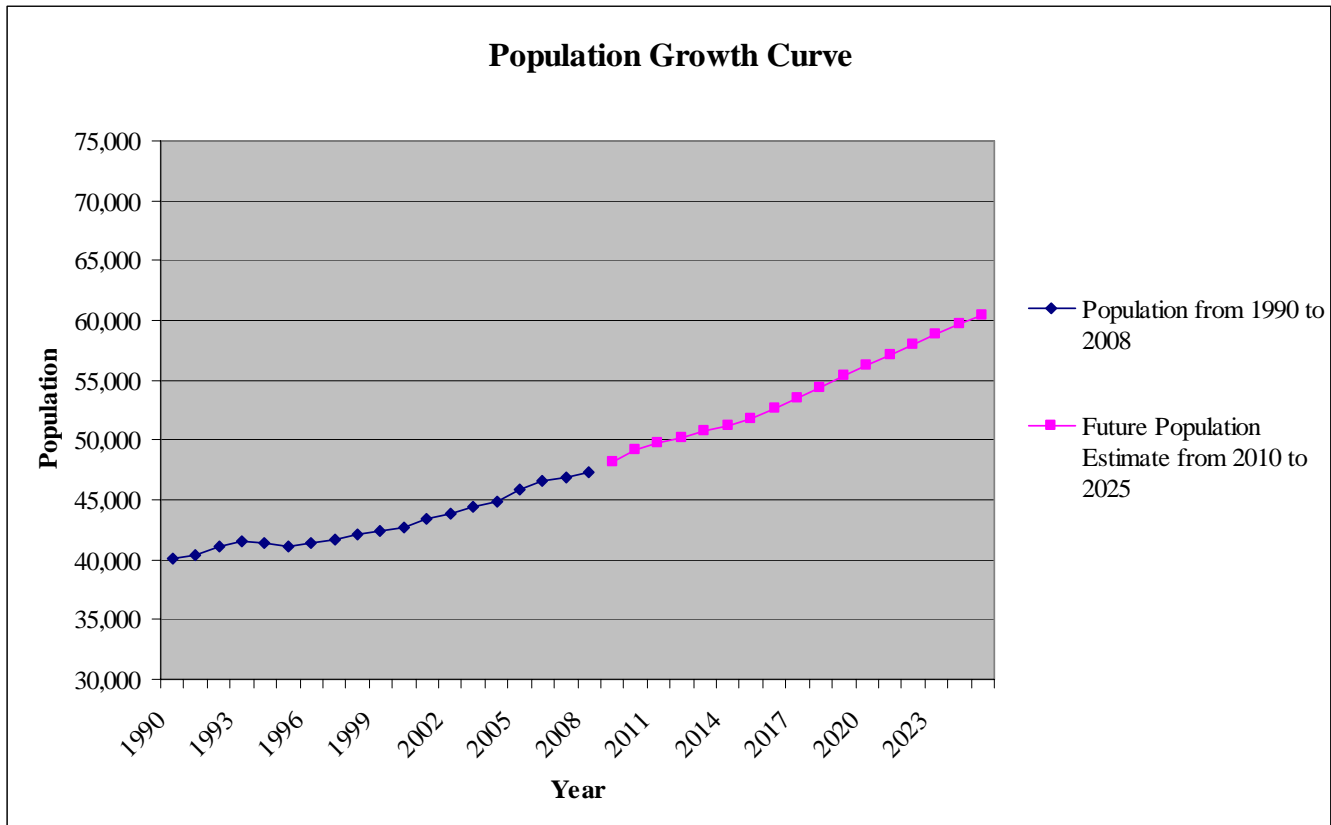
| Year | Population | Population Increase (percent) | Source |
|------|------------|-------------------------------|---|
| 1990 | 40,144 | -- | Department of Finance Historical city, County, and State Population Estimates, 1991-2000, with 1990 and 2000 Census Counts Official |
| 1991 | 40,402 | 0.6 | |
| 1992 | 41,123 | 1.8 | |
| 1993 | 41,543 | 1 | |
| 1994 | 41,465 | -0.02 | |
| 1995 | 41,058 | -1 | |
| 1996 | 41,341 | 0.6 | |
| 1997 | 41,715 | 0.9 | |
| 1998 | 42,055 | 0.8 | |
| 1999 | 42,392 | 0.8 | |
| 2000 | 42,748 | 0.8 | |
| 2001 | 43,392 | 1.5 | Population Estimates for cities, Counties and State, 2001-2008 with 2000 benchmark |
| 2002 | 43,909 | 1.2 | |
| 2003 | 44,462 | 1.3 | |
| 2004 | 44,895 | 1 | |
| 2005 | 45,824 | 2 | |
| 2006 | 46,621 | 1.7 | |
| 2007 | 46,893 | 0.6 | E-1 City/County Population Estimates with Annual Percent Change- Jan 2007 and 2008 |
| 2008 | 47,251 | 0.8 | |

**Table 3-2
Projected Population Estimates (2010-2025)¹**

| Year | Population | Average Annual Increase (percent) |
|-------------|-------------------|--|
| 2010 | 49,239 | 2.1 |
| 2015 | 51,756 | 1.0 |
| 2020 | 56,288 | 1.7 |
| 2025 | 60,499 | 1.5 |

1- Based on Adopted 2008 RTP Growth Forecast by City.

The City has an estimated 2008 population of 47,251, a 2015 projected population of approximately 51,756, and a 2025 projected population of 60,499. Figure 3-1 shows that population growth will be steady between 2008 and 2025. Historical estimates were obtained from DOF and the census, while future estimates were provided by SCAG.



**Figure 3-1
Historical and Projected Population (1990- 2025)**

For Master Planning purpose, the year 2008 census data was assumed to most accurately represent the existing population, and the year 2025 SCAG population is assumed to represent build-out conditions. Based on population, 2025 sewer flows are estimated to be 128% of existing flows, and 2015 flows are estimated to be 110% of existing flows.

3.3 LAND USE

The City's land use information by parcel, provided by the City (GIS files provided by ICOMMM on March 25, 2008), is predominantly residential, comprising approximately 6,924 acres, 58 percent of the study area or 11 percent of the total city area. Commercial uses are primarily located along Palm Canyon Dr, Indian Canyon Drive. Industrial land uses are primarily located near the airport and down Gene Autry Trail. Most of the City's land use is open space and undeveloped. Much of the future land use is projected to remain the same as existing land use types, according to the GIS land use information.

Areas that are expected to be developed were discussed and planning reports were obtained for these areas from the City. These include the Dream Homes Area, the Parcel 4, PM 21921 – Highway Commercial Project, and the Windy Point community.

The Dream Homes Area is a residential community of the City of Cathedral City, located on the eastern side of the study area and is an existing community. The area includes properties from San Mateo Drive in the north to Mission Drive and Mission Court in the south, and San Joaquin Drive in the west to San Diego Drive in the east. Approximately 528 parcels within the assessment district boundary are tributary to the City's sewer system.

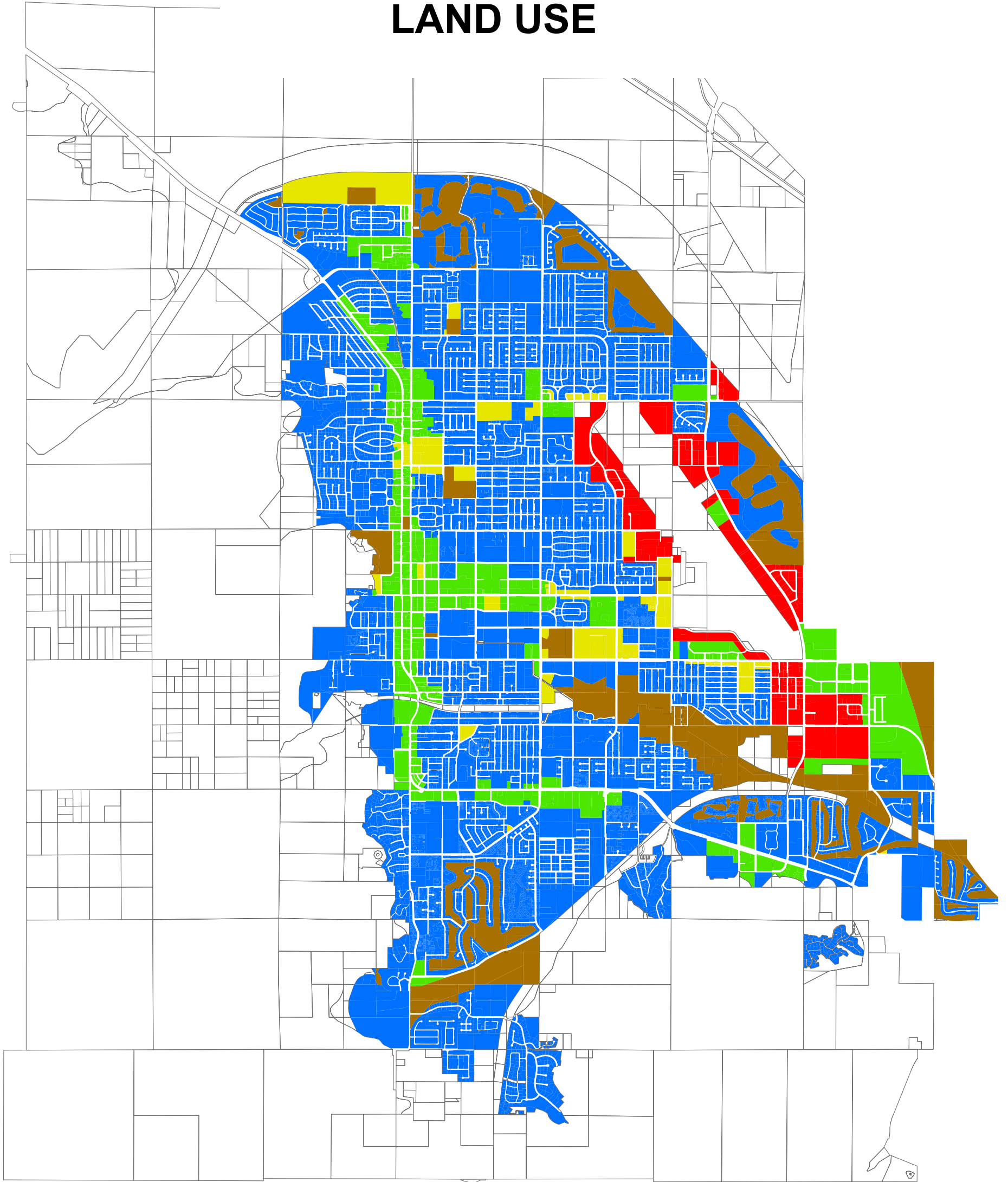
The Parcel 4, PM 21921 – Highway Commercial Project is a development located within the City's SOI. The development is bound on the north by the I-10 Freeway, on the east by the Pilot Truck Stop, on the south by Garnet Avenue and on the west by a vacant lot site. The development plan currently has 3 Commercial Buildings with a gross lot area of approximately 3 Acres.

Windy Point is mainly a residential community, northwest of the Study Area, along highway 111. This existing community is currently not connected to the City's sewer system, but there are plans to connect this area in the future.

The study area includes the south eastern region of the existing City service area tributary to five sewage pump stations. Currently, this portion of the study area is predominantly residential with a scattering of neighborhood commercial areas, public schools, public facilities, and recreational open space / parks.

The GIS information provided contained 30 different types of land use. For the purpose of determining flow generation for different land use types, these 30 land use types were grouped into five different land use categories: Residential, Commercial, Industrial, Institutional/Public and Park. Table 3-3 provides a summary of the land uses throughout the study area. Figure 3-2 shows the different land use types, color coded, throughout the study area.

CITY OF PALM SPRINGS LAND USE



LEGEND

| | | |
|-----------------|-------|------|
| Land Use | NCC | RBC |
| A | OS-C | RC |
| CBD | OS-C* | ROW |
| Desert | OS-M | RR |
| ER | OS-M* | SH |
| ER* | OS-P | SPA |
| HDR | OS-W | Sch |
| IND | OS-W* | TRC |
| LDR | P/O | VLDR |
| MDR | P/QP | |
| MU | P/U | |

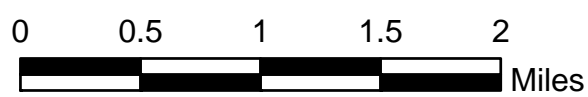


FIGURE 3-2

**Table 3-3
City of Palm Springs Land Use**

| Land Use Categories | Land Use Descriptions | Land Use Designations | Areas (AC) | % of Study Area |
|----------------------------|--|--|-------------------|------------------------|
| Residential | Single Family Multiple Family | 'ER', 'HDR', 'LDR', 'MDR', 'SH', 'VLDR' | 6,992 | 58 |
| Commercial | Office Retail Other Commercial | 'CBD', 'MU', 'NCC', 'RC', 'TRC' | 1,274 | 11 |
| Industrial | Manufacturing Warehouse | 'IND' | 793 | 7 |
| Institutional/Public | Religious Airport Public Utilities Other Public Areas | 'A', 'P/O', 'P/QP', 'P/U', 'Sch' | 1,177 | 10 |
| Park | Park | 'OS-P' | 1,592 | 13 |
| TOTAL | | | 11,828 | 100 |

Section 4

DESIGN FLOW - CRITERIA

This section describes the methods and criteria used to determine both the existing and future wastewater flows in each sewer basin and in the entire public sewerage system. Diurnal flow patterns were developed for each of the 17 basins and have been applied to the specific land uses established in Section 2 of this report to determine the estimated wastewater flows for both existing and future conditions.

4.1 EXISTING WASTEWATER FLOWS

Each source of wastewater flow in the Study Area has been defined as either a point source or a non-point source. For estimating the remaining wastewater flows, unit flow rates are applied to areas of like land usage. These flow types are all considered to be non-point source flows.

Average Wastewater Flow (AWF) is the average wastewater flow contributed by residential, commercial, industrial, and institutional users of the City's public sewerage system. Typically, wastewater flow rates vary throughout the day and between weekdays and weekends. For the purposes of determining the most conservative flows in Palm Springs, flows were first generated using the AWF of each land use type. The flows were then calibrated for each of the 17 basins based on the metered flow data measured during the weekend of April 19th and 20th, 2008.

4.1.1 Non-Point Sources

From a computer modeling perspective, it is impractical to model every source of wastewater flow contributing to a public sewerage system due to the inordinate number of individual wastewater flow contributors. To simplify the modeling process, average unit flow rates are applied to similar groups of wastewater sources to obtain an estimate of the average wastewater flow contributed by that land use area. For example, a sewer basin consisting of 10,000 residents could not be modeled by accounting for the exact amount of wastewater generated by each individual resident and the location where the flow entered the City's public sanitary sewerage system. Instead, a unit flow rate is applied to the entire population to determine the average wastewater flow generated in that land use area. Once the total average wastewater flow has been estimated, the City's public sanitary sewerage system can be modeled, assuming that the flow is distributed evenly throughout the public sewerage system in that sewer basin for each land use type.

Several sources of unit flow factors for existing land uses were considered. A review of unit flow factors developed and recommended for Southern California agencies, wastewater engineering textbooks, and design manuals was conducted. It was determined that the factors shown in Table 4-1, below, from the Water Agencies' Standards for several agencies in San Diego County would be used for the City of Palm Springs.

**Table 4-1
Sewer Generation Factors**

| Land Use Type | Unit | Flow |
|----------------------|-------------|-------------|
| Residential | GPD/EDU | 250 |
| Commercial | GPD/Acre | 1,500 |
| Industrial | GPD/Acre | 2,000 |
| Institutional | GPD/Acre | 1,000 |
| Parks | GPD/Acre | 300 |

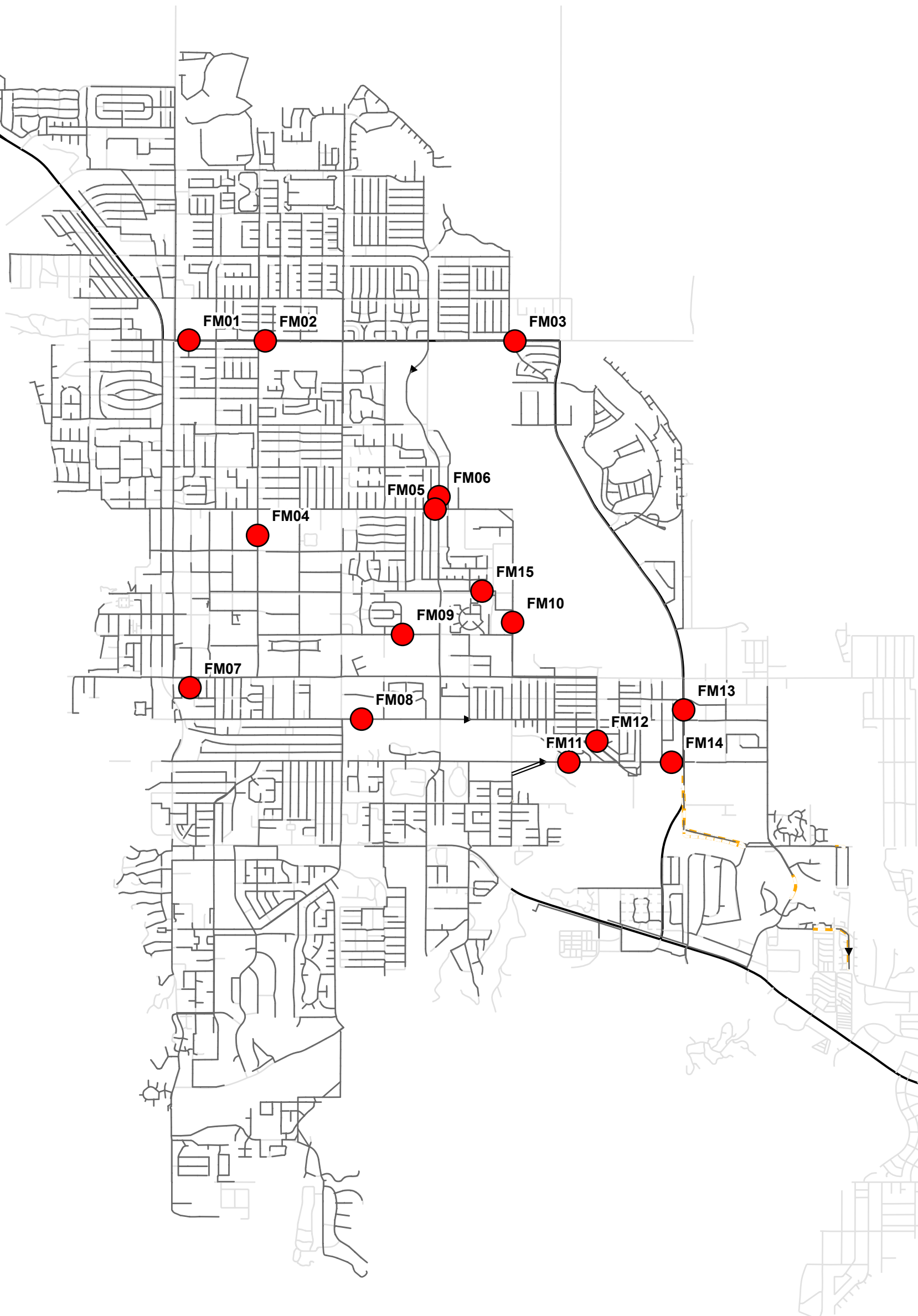
To calibrate the hydraulic sewer model to existing conditions, flow monitoring was performed throughout the City. The monitoring period of April 13 to April 28, 2008 was chosen to provide the largest seasonal flow data available throughout the year, during peak visitor population. The locations of the 14 flow monitors are described in Table 4-2 and shown in Figure 4-1. The locations of these 14 flow monitors were chosen based on several criteria:

- It was preferred to locate flow monitors in manholes that had only one upstream and one downstream pipeline connected.
- The two continuous upstream and downstream pipe segments should lie in a straight line.
- The flow in each tributary area should collect at one monitoring location.
- The locations were chosen so that the City is roughly broken up into similarly sized areas.

**Table 4-2
Flow Monitoring Locations**

| Flow Monitor | Location | | Tributary Sewer Basins | Pipe Size (inches) |
|---------------------|--------------------|-------------------------|-------------------------------|---------------------------|
| | Street | Cross Street | | |
| FM1 | Vista Chino | Chaparral Road | 1 | 18 |
| FM2 | Vista Chino | E of Avenida Caballeros | 3 | 21 |
| FM3 | Vista Chino | E of Los Alamos Road | 4 | 12 |
| FM4 | Avenida Caballeros | N of Amado Road | 6 | 15 |
| FM5 | Alejo Road | W of Farrell Drive | 7 | 12 |
| FM6 | Farrell Drive | N of Alejo Road | 2 | 24 |
| FM7 | Calle Encilia | S of Ramon Road | 10 | 15 |
| FM8 | Sunny Dunes Road | E of Sunrise Way | 11 | 27 |
| FM9 | Baristo Road | E of Cerritos Drive | 8 | 24 |
| FM10 | El Cielo Road | N of Baristo Road | 14 | 12 |
| FM11 | Mesquite Avenue | E of El Cielo Road | 12 | 21 |
| FM12 | Paseo Dorotea | Paseo Luisa | 9 | 8 |
| FM13 | Geneautry Trail | N of Sunny Dunes Road | 5 | 18 |
| FM14 | Mesquite Avenue | W of Gene Autry Trail | 13 | 21 |

CITY OF PALM SPRINGS FLOW MONITORING LOCATIONS



LEGEND

- Flow Meters
- - - FORCEMAIN
- GRAVITY
- == SIPHON
- Freeways
- Streets

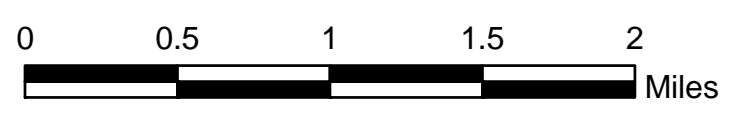


FIGURE 4-1

Per the request of Veolia and the City, an extra 15th flow monitor location was used to monitor a manhole with a history of surcharging. The meter data for all 15 flow monitors is included in Appendix A, but only 14 meters were used to calibrate the model. Average wastewater flow rates for the peak 48-hour period of April 19th through April 20th, obtained from the flow monitors, were used for the calibration of the model. The flow monitors were also used to determine the relationship between peak and average daily wastewater flows. While a peaking factor is often used to model sewer systems using a steady state model, an extended period simulation was used for this master planning effort to produce results over a 48-hour period and to model the five sewer pump stations in the same model. Diurnal curves are discussed later in this Section.

The City of Palm Springs was separated into 17 sewer basins, as shown in Figure 4-2. A flow diagram showing flow paths throughout the City, sewer basins and flow monitors is shown in Figure 4-3. Sewer flow generation was first determined for individual parcels. The GIS data for each parcel contains the land use type for that parcel, and the unit flow factor was applied to that parcel. Each parcel was then tied to the closest manhole in ArcGIS based on spatial data. The flow factor for each land use area was added to the attributes of each matching manhole. Since multiple parcels may have the same manhole identified as the closest manhole, flows were added and totaled for each manhole. These values for each manhole were then exported out of ArcGIS and imported into SewerCAD. The model was run and flows were then calibrated for each of the 17 sewer basins to match the monitored flows during April 19th through the 20th. The wastewater flows generated in the sewer basins tributary to the Treatment Plant were then summed and balanced to the plant's known daily average influent flows for the same 48 hour period.

4.1.2 Point Sources

Dream Homes Area

Tributary to the City was one development which was added as a point source. The Dream Homes area is located in the western portion of the City of Cathedral City. It is an existing community and the point source flow was determined from the Dream Homes Sanitary Sewer Assessment District Sewer Capacity Analysis, dated November 2004 and prepared by Harris & Associates. The analysis was performed due to sewer improvements funded by an assessment district.

The Sewer Capacity Analysis report only provides the build out flow value. In order to estimate an existing amount of flow, the build out value was factored based on existing population estimates and future population projections. As discussed in Section 3-2, Year 2025 build out sewer flows are estimated to be 128% of existing flows. According to the report, the Dream Home area future average sewer flow is projected to be 320,000 gallons per day. It was estimated that the existing average sewer flow is 249,927 gallons per day. The point source from the Dream Homes development was added into the model at manhole K11053, shown in Figure 4-4.

4.1.3 Diurnal Curves

Wastewater flows vary throughout the day, with peak flow periods typically occurring in the mid-morning and early evening hours. In steady state hydraulic models, the relationship between the AWF and Peak Wastewater Flow (PWF) is generally expressed as a peaking factor (PF). The PF is the ratio of the maximum hourly flow rate to the average daily wastewater flow expected for a

CITY OF PALM SPRINGS SEWER BASINS

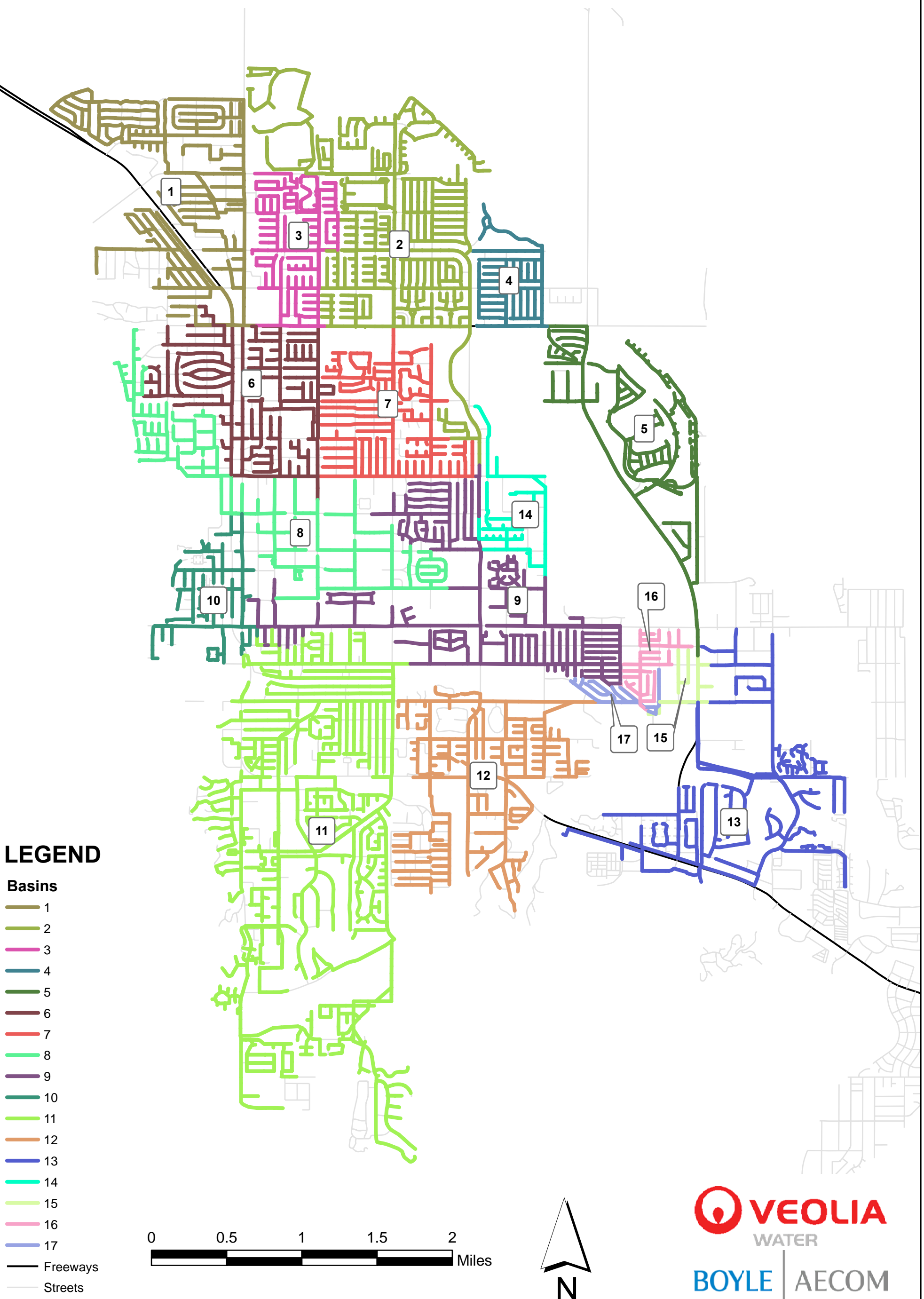
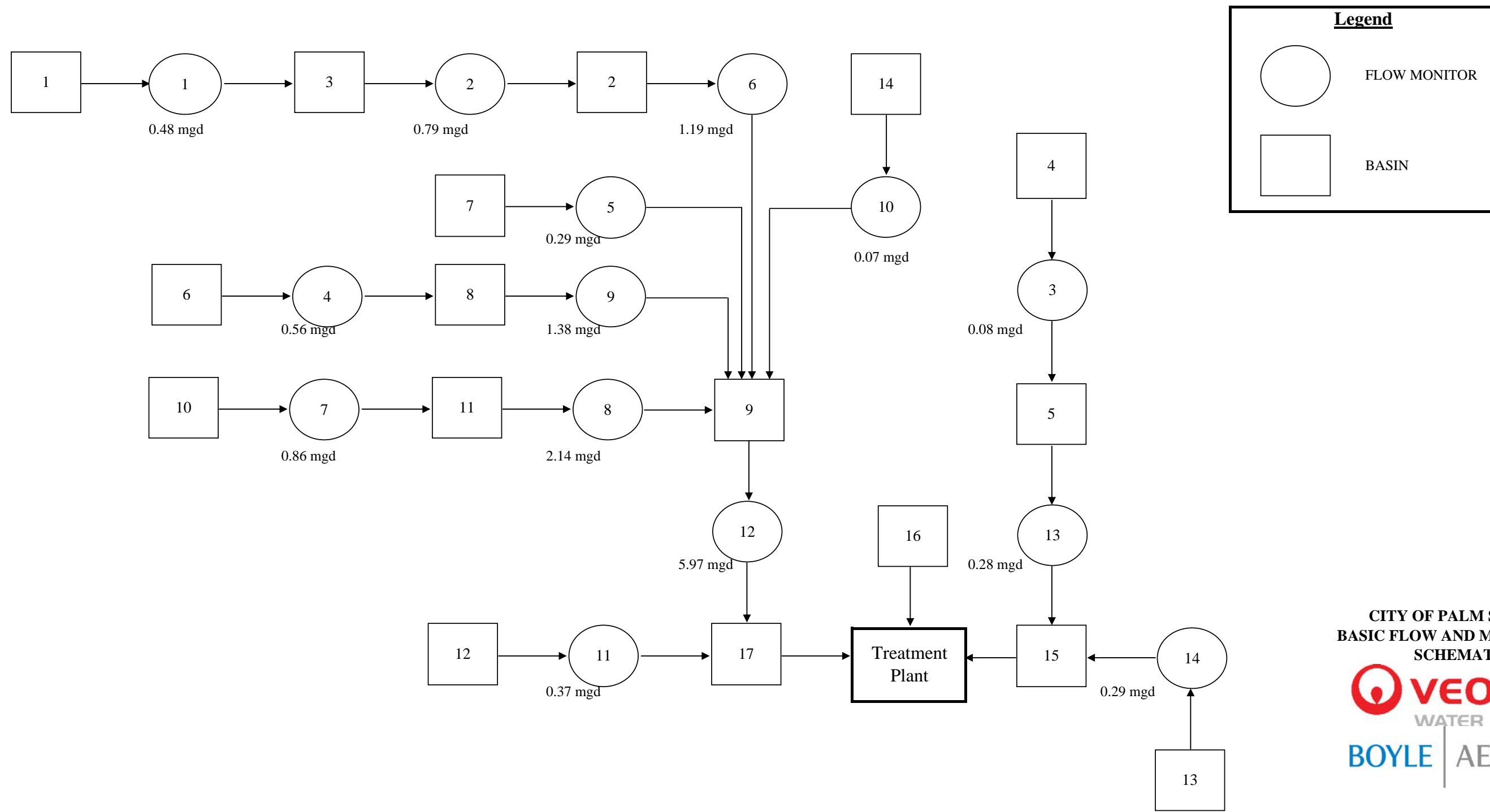


FIGURE 4-2



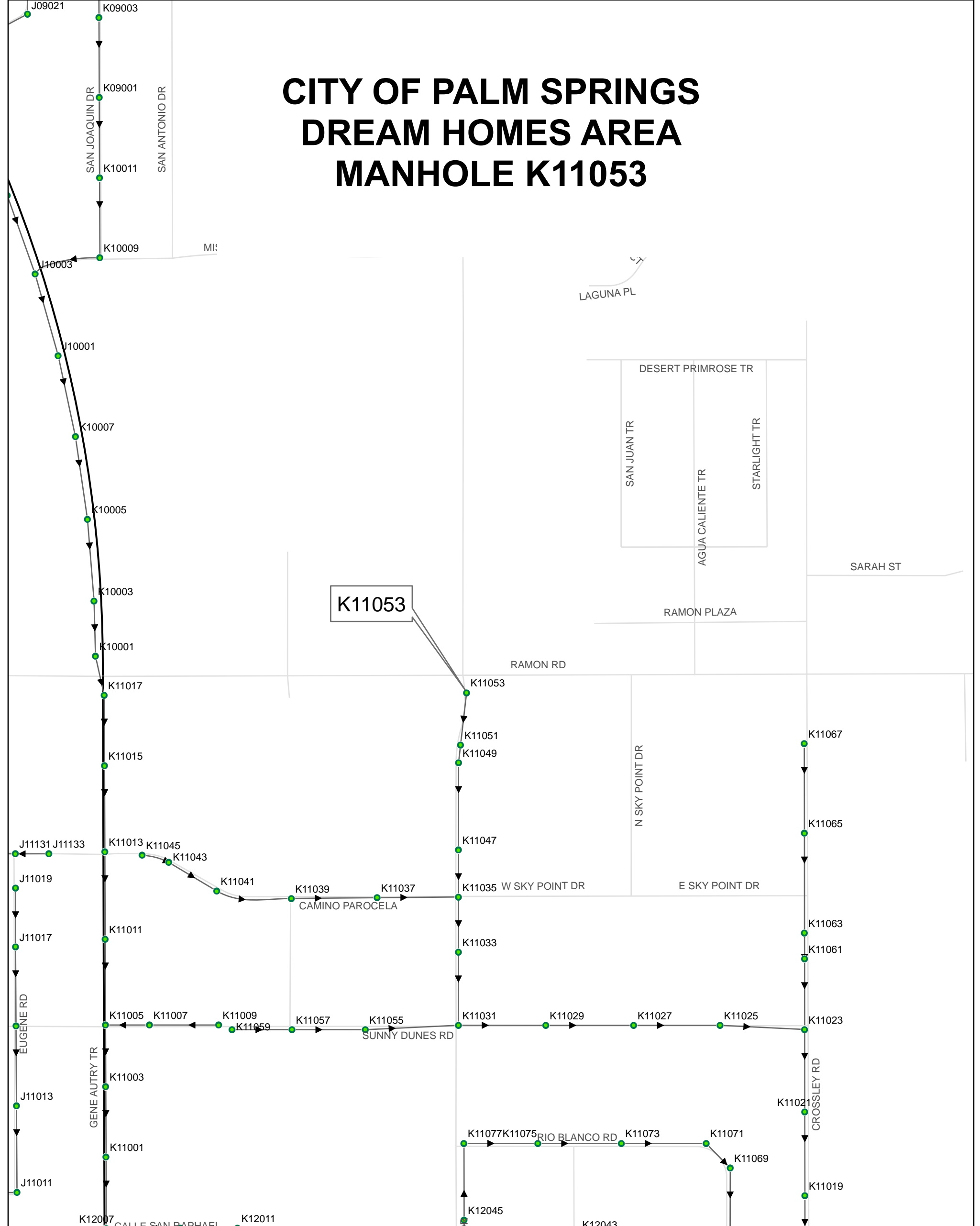
CITY OF PALM SPRINGS
 BASIC FLOW AND MONITORING
 SCHEMATIC

VEOLIA
 WATER

BOYLE | **AECOM**

FIGURE 4-3

CITY OF PALM SPRINGS DREAM HOMES AREA MANHOLE K11053



LEGEND

| | | | |
|--|--------------|--|-----------|
| | CLEANOUT | | FORCEMAIN |
| | LIFT STATION | | GRAVITY |
| | MANHOLE | | SIPHON |
| | PLUG | | Freeways |
| | PS | | Streets |
| | TCON | | |
| | TP | | |
| | UNK | | |
| | VAULT | | |

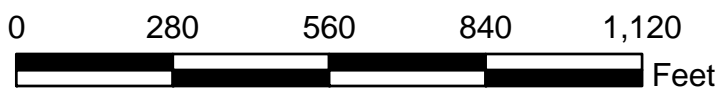


FIGURE 4-4

particular area in a 24 hour period. In general, peaking factors are highest for smaller areas with fewer discharges. The peaking factor tends to decrease as the total contributing area increases due to flow travel time within the public sewerage system and the decreasing probability that peak flows from all discharges would occur simultaneously.

In extended period simulation models, the relationship between the AWF and hourly flow is represented as a diurnal curve. A diurnal curve is typically made up of 24 separate factors that represent the ratio of hourly flow to AWF for each hour of the day. The maximum factor in a 24 hour period would be equivalent to the PF used in steady state modeling. Diurnal curves were created for each of the 17 tributary basins in the City of Palm Springs. The curves were created from the measured flow during the weekend of April 19th through the 20th, 2008. The daily average flow was calculated based on the metered flow. The measured flow each hour was then divided by the average flow for the same day during this two day period. This resulted in a 48 hour diurnal curve pattern that was used for all tributary flow in the immediate upstream basin to each flow monitor.

Based on the flow monitoring conducted on the City's public sewerage system, peaking factors ranged from 1.4 to 2.2. As seen in Figure 4-1, the flow monitors were located through the City's public sewerage system, from the northern portion of the City where wastewater flow volumes were low and in the southern portion near the Palm Springs Wastewater Treatment Plant where wastewater flow volumes were cumulatively high. The average wastewater flows measured by the flow monitors depended upon the location of the flow meter in the public sewerage system and explains the wide range of the average flows.

In the sewer model, diurnal curves produced from each metered manhole were assigned to the tributary basin immediately upstream of the metered manhole. Maximum depth of flow was used for determining pipeline capacity and design requirements. The diurnal curves for all tributary areas are shown in Appendix B.

4.2 FUTURE WASTEWATER FLOWS

The actual quantity of future wastewater flows generated in the City's public sewerage system will ultimately depend on the individual sewer basins' future conditions. Two main future scenarios were modeled: Year 2015 and Build Out (Year 2025). To estimate future wastewater flows in 2015 and build out conditions, flow contributors were separated into non-point source and point source flow categories similar to the methodology used for estimating existing wastewater flows. In addition to the Year 2015 and Build Out future scenarios, two alternative future scenarios were modeled based on the Highway Commercial Project. The main future scenarios include the flow from this project, while the alternative future scenarios consider the situation if this development does not connect to the City of Palm Springs wastewater system.

4.2.1 Non-Point Source Flows

It was determined that existing land uses in the City of Palm Springs contribute a base AWF according to the values given in Table 4-1. Land use AWF contributions for future scenarios would be increased by a factor proportionate to the projected population increases in 2015 and 2025 over today's estimated population. The quantity of wastewater generated during future flow conditions in

these scenarios is conservative due to the fact that this Sanitary Sewer Master Plan has been developed during peak seasonal population.

4.2.2 Point Sources

Dream Homes Area

The point source wastewater flow from the Dream Home area was also used in estimating future wastewater flows. The 320,000 gallons per day build out flow quantity for this area was used directly from the report.

Parcel 4, PM 21921 – Highway Commercial Project

Tributary to the City in the future is the planned highway commercial development along the I-10 freeway, north along Indian Avenue. The point source flow quantity was obtained from the Parcel 4, PM 21921 Sewer Study Report from February 2008. The Sewer Capacity Analysis report only provides the build out flow value. In order to estimate Year 2015 flow, the build out value was factored based on 2015 and 2025 population projections. As discussed in Section 3-2, Year 2025 build out sewer flows are estimated to be 128% of existing flows and Year 2015 flow is estimated to be 110%. It is estimated that 2025 flows will be 117% of Year 2015 flows. According to the report, the development area Year 2025 average sewer flow is projected to be 2.6 million gallons per day. It was estimated that the Year 2015 average sewer flow will be 2.2 million gallons per day. The point source from the highway commercial development was added into the model at manhole D01003, shown in Figure 4-5.

Windy Point

Windy Point is mainly a residential community, northwest of the Study Area, along highway 111. This existing community is currently not connected to the City's sewer system, but there are plans to connect this area in the future. The point source flow quantity for Build Out was obtained from the Sewer Main Extension to The Cove at Palm Springs Preliminary Design Report from January 2007. In order to estimate Year 2015 flow quantity, the Build Out flow was factored based on 2015 and 2025 projected populations. From the report, it was projected that the Year 2025 average sewer flow will be 240,000 gallons per day. The Windy Point Year 2015 average sewer flow is estimated to be 205,316 gallons per day. The point source from the Windy Point community was added into the model at manhole D05053, shown in Figure 4-6.

4.2.3 Peak Wastewater Flows

Once the total AWF in the system was determined, the same diurnal curves were used from the existing wastewater flow conditions. While the AWF in many of the sewer basins will increase between now and the build out condition, it is not expected that the relationship between AWF and PWF will change dramatically.

CITY OF PALM SPRINGS HIGHWAY COMMERCIAL AREA MANHOLE D01003

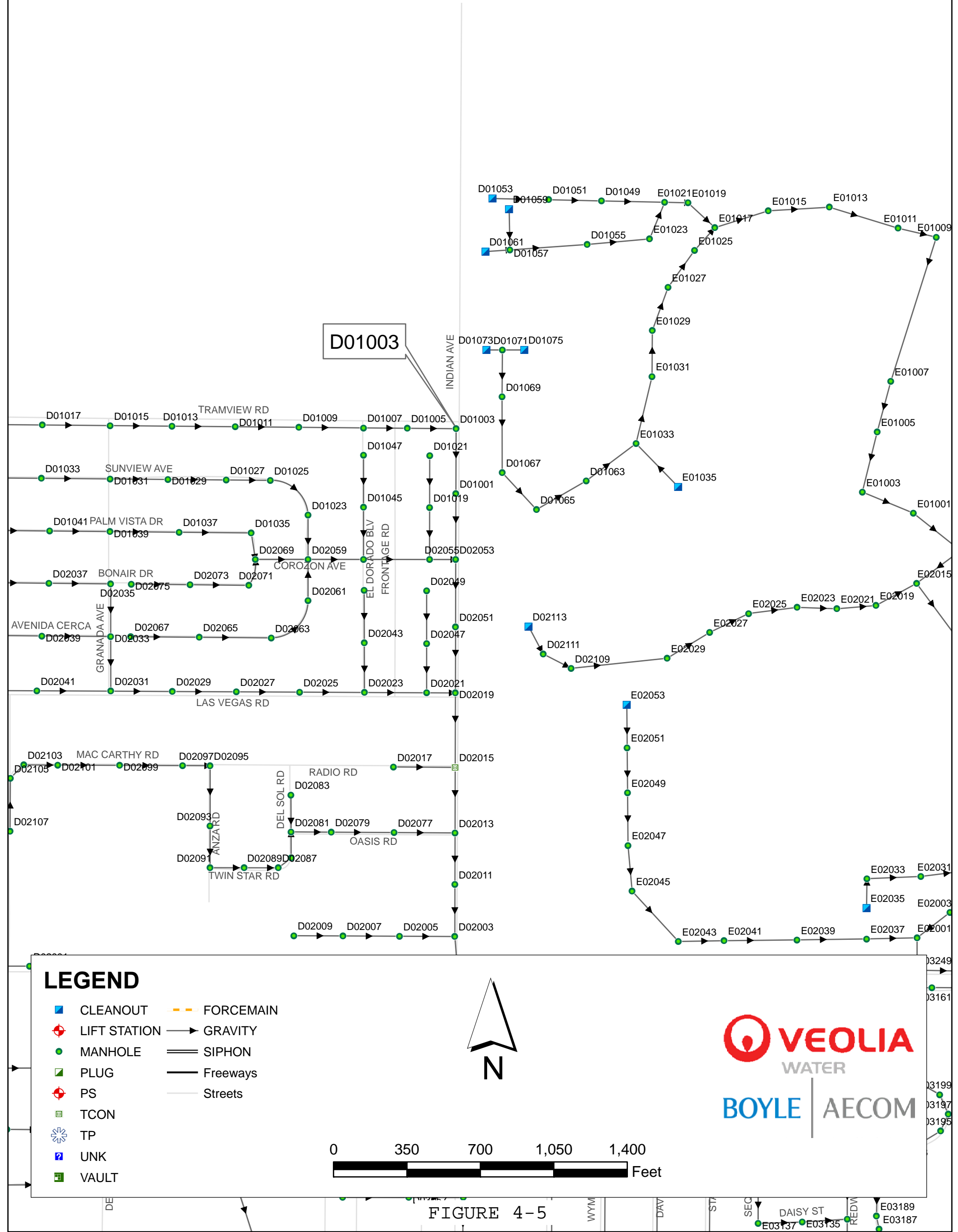
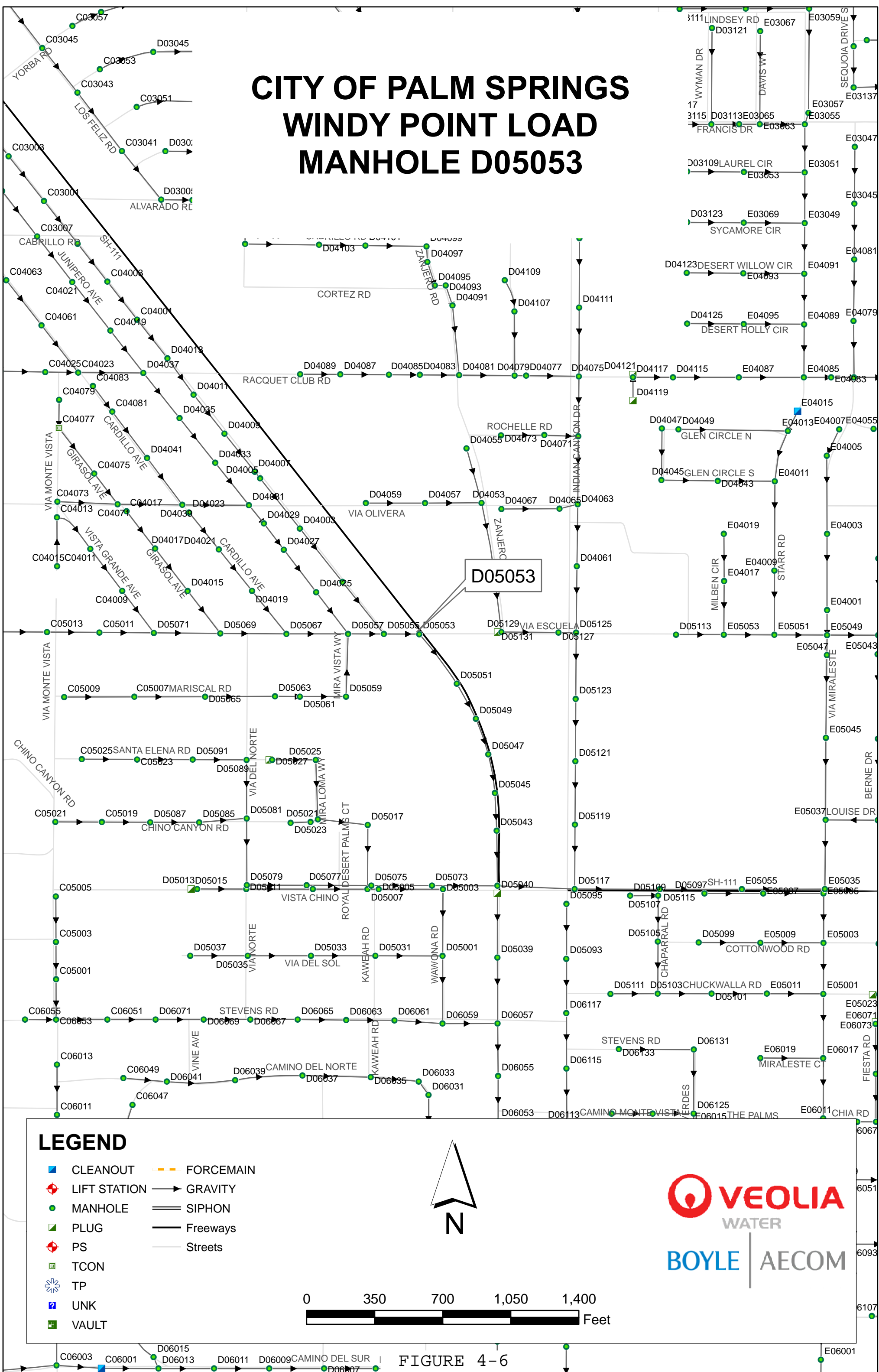


FIGURE 4-5

CITY OF PALM SPRINGS WINDY POINT LOAD MANHOLE D05053



LEGEND

- | | | | |
|--|--------------|--|-----------|
| | CLEANOUT | | FORCEMAIN |
| | LIFT STATION | | GRAVITY |
| | MANHOLE | | SIPHON |
| | PLUG | | Freeways |
| | PS | | Streets |
| | TCON | | |
| | TP | | |
| | UNK | | |
| | VAULT | | |

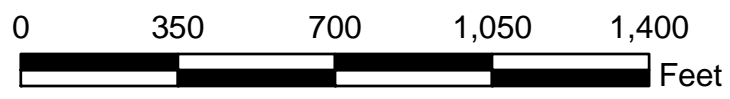


FIGURE 4-6

Section 5

SEWER SYSTEM ANALYSIS AND EVALUATION

A hydraulic model of the City's service area and major sewers was the primary analytical tool used in this study to estimate flows and assess sewer and pump station capacities. This section describes the modeling software and methodologies. Topics include the sewers modeled, the validation of the required data on those sewers, and the processing of available population and land use data for later use in estimating flows from individual sewer basins.

5.1 MODELING METHODOLOGY

The City of Palm Springs sewer collection system was modeled using SewerCAD V8 XM. It is recommended for the City to purchase SewerCAD to maintain and expand the model developed during this Master Plan study for future analysis.

The modeled collection system consists of links and nodes, which represent the major pipes, manholes, pumps, and pump station wet-wells. Data describing these modeled collection system elements are included in the GIS database. The service area is divided into 17 basins, each of which defines the tributary area to a node on the modeled system.

Several steps are involved in the model-building and application process in order to ensure that the model will accurately predict existing and future capacity limitations. This methodology is summarized below.

- Establish the model system using ArcGIS, adjust elevations, and validate data.
- Divide the City's overall sanitary sewer service area into basins to define areas of unmetered pipes tributary to metered manholes.
- Compile information on land uses and population for both existing and build-out conditions using information provided by the City Planning Division, and other external agency resources. It is preferred to review detailed water billing data to identify potential industrial process discharges or other large water users.
- Select representative dry weather days from the flow monitoring period and compare the flow data from each of the flow monitors to the modeled flows. Calibrate the residential and nonresidential per-capita flow rates and 24-hour diurnal flow profiles to match the observed flow volumes and peaks at each monitor.
- A longer temporary metering period, or permanent meter program, can collect both dry weather and wet weather flows. Select a wet weather event for use in wet weather flow calibration. For the selected event, load the 15-minute rainfall data for each rain gauge into

the model. Calibrate the wet weather parameters to match the observed flows at each monitor. (This report does not include wet weather monitoring.)

- Determine appropriate dry and wet weather design flow and hydraulic capacity analysis criteria.
- Run the calibrated model for existing and built-out population scenarios under design dry and, if available, wet weather flow conditions. Quantify capacity utilization in each pipe segment and identify and prioritize sewer reaches having capacity deficiencies.
- Develop and test alternative solutions consisting of flow diversions, relief sewers, and/or larger replacement pipes.

5.2 MODEL CONSTRUCTION

Information from the City's GIS, atlas maps, record drawings, pump station details, land use, and population was used to build the model system. The sub-sections below describe the development of each of the major model components: the gravity collection system, the pump stations, and the sub-catchments used to define wastewater inputs.

5.2.1 Collection System

Data Sources. The collection system model was largely based on the pipes and manholes on GIS layers provided by the City. Information included in the GIS was supplemented with data from sewer atlas maps and record drawings where the GIS was incomplete or incorrect. It is recommended to keep the data updated with ongoing and future projects as they are completed throughout the City.

Several modifications had to be made to the structure of the GIS databases in order to import the data into the model. These modifications included:

- Creation of a land use layer. Parcel information containing land use data was used to create a land use layer, color coded to represent residential, commercial, industrial, institutional and park areas.
- Creation of a flow meter layer defining manhole locations for calibration.
- Creation of a basin layer defining pipes tributary to the flow meters.
- Over 1000 invert data were corrected. Correcting invert elevations where the inverts were 0 feet, where gravity pipes flow uphill, and where inverts are not using the same datum.
- Over 60 split flow situations and/or diversion structures were corrected. System loops cause errors in the hydraulic model unless the diversion structures are correctly input with invert elevations and other data. Actual diversion structure locations need to be verified and hand entered into the model, if desired. For the purposes of this Master Plan, and to facilitate the modeling process, the most likely path of flow was determined and all other downstream pipes from diversion structures were removed.

The pipe GIS layer provided by the City was already largely populated with pipe length, pipe diameter, pipe material, and plan number. The manhole GIS layer provided by the City was populated with material, size, rim elevation, plan number, and invert elevations. These data were used to define the model system, and then key data were extracted for use in the model. It is recommended to add installation dates to the data to help prioritize areas for future rehabilitation and repair programs.

Model Definition. The collection system model was defined by the entire City-owned sewer. This model included pipes smaller than 10 inches in diameter. Most pipelines in the data set were 8 inches and larger.

The GIS system contains multiple diversions in flow splits. It is understood that most of these structures do not actually exist. In some areas, flow may be directed by weir boards or the pipe in one direction may be plugged completely. There were many clarifications on these structures and those pipelines that were plugged or were abandoned were corrected in the model. Engineering judgment was used for the remaining majority of these structures to determine the most likely path of flow.

**Table 5-1
Model System Characteristics**

| Model Characteristic | Value or Range |
|-----------------------------|-----------------------|
| Total Modeled Pipe Length | 264.5 miles |
| Range of Pipe Diameters | 6-42 inches |
| Number of Manholes | 5475 |

Elevation Adjustments and Data Validation. Initial review of elevation data from the GIS files and record drawings revealed that a lot of data were incomplete and that the vertical datum referenced was not consistent throughout the modeled system. As part of this Sanitary Sewer Master Plan, missing data records were populated based on the record drawings and atlas maps, and elevations were rectified using a uniform datum.

Record drawings were used to verify existing data or add data to the model. The City’s atlas map was also referenced but was sometimes not reliable because some data are not consistently stated for every manhole and pipe. In cases where no elevation information was available, the flowline elevation was interpolated, and the rim elevation was also interpolated using the surrounding elevation information.

Other invert elevation, rim elevation and datum discrepancies were identified by inspecting the initial SewerCAD model verification results. Model errors were identified and descriptions were given for each potential problem. These errors were brought back into the GIS database and mapped and the verified errors were remedied one facility at a time. This was a time consuming task. Correcting elevation information for one section could mean finding other discrepancies when the atlas was consulted, thus increasing the amount of errors found. This occurred frequently because almost all the invert elevations were rounded to the nearest foot in the original GIS data. When corrections were made using the atlas maps, two decimal places were entered into the GIS database, as was shown on the atlas maps. These corrected facilities would run up against areas that were

rounded. Elevations on neighboring facilities were then adjusted in order to maintain slope. This procedure was not intended to resolve all pipes and manholes to the exact elevations. It is likely that more discrepancies remain due to rounding errors, but it is unlikely that these would have a significant effect on the capacity analysis.

Data were further validated with each group of corrections using the automated model verification in SewerCAD. These checks ensured that the system was properly connected and that there were no missing data. Additional potential data errors detected during validation included downstream pipes smaller than upstream pipes, downstream pipes higher than upstream pipes, pipe crowns above ground level, and reverse pipe slopes. When these errors were found, the data was checked back against plans and Veolia staff and were corrected if necessary.

5.2.2 Pump Stations

The following pump station information was used from the 1993 Master Plan and verified by City staff to be correct and updated where necessary. It was determined that the pumps are adequately sized for peak flows at the influent to each pump station during Year 2025 flow conditions. Figure 5-1 shows the pump stations in the southeasterly section of the City of Palm Springs, along with areas tributary to the pump stations.

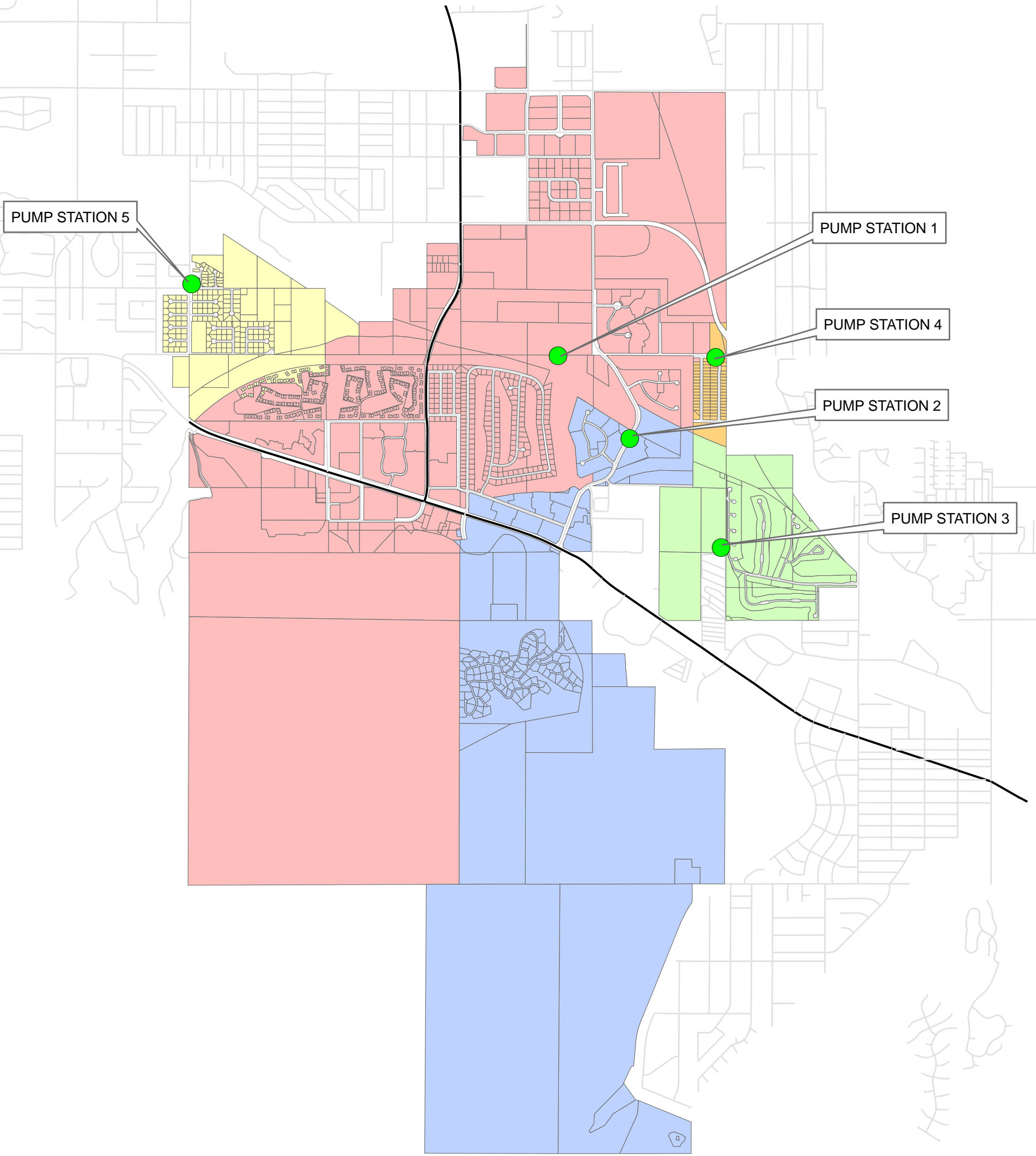
**Table 5-2
Pump Station Summary**

| Pump Station | Street | Cross Street | Up MH | Dn MH | Force Main Dia | No. of Pumps | Capacity per Pump(gpm) | TDH (feet) | Pump HP |
|---------------------|-------------------------|-----------------------------|--------------------------------------|------------------|-----------------------|---------------------|-------------------------------|-------------------|----------------|
| 1 | Golf Club Dr. | 34 th St. | K13049 K13035 K13069 K13003 | K12017 K12075 | 16 10 | 2 | 2650 1850 | 76 52 | 100 |
| 2 | Golf Club Dr. | Portola Dr. | L14017 | L14001 L14013 | 10 6 | 2 | 1460 | 34 | 15 |
| 3 | Via Grande | Dead End | L14063 | L14057 | 6 | 2 | 400 | 57 | 10 |
| 4 | 34 th Street | Laurence and Marguerita Rd. | L13131 | L13127 | 4 | 2 | 150 | 40 | 5 |
| 5 | El Cielo Rd | Sonora Rd. | H12035 | H12027 | 8 | 2 | 300 | 20 | 5 |

5.2.3 Wastewater Flow Allocation

Population, land use information, and information on non-residential developed square-footage provided the basis for dry weather flow estimates and projections used in the hydraulic model. For the City of Palm Springs sanitary sewer system model, the population and land uses were determined by GIS information, Department of Finance (DOF), the United States Census Bureau data, and from

CITY OF PALM SPRINGS PUMP STATIONS AND TRIBUTARY AREAS



LEGEND

- PS1
- PS2
- PS3
- PS4
- PS5
- Pump Stations
- Freeways
- Streets

0 0.2 0.4 0.6 0.8
Miles



FIGURE 5-1

the Southern California Association of Government’s (SCAG). The data for population information are presented in Tables 3-1 and 3-2.

Residential

Residential flow contribution was estimated for each parcel in the City. The population distribution to parcels was based on land use as determined from the City’s GIS, as discussed in Section 4. Further details of the procedure used to estimate and distribute existing and future residential population are described below.

Existing. Sewer flow generation as described in Table 4-1 was distributed to each land use parcel identified as residential single family home. Table 5-3 below breaks down the rest of the residential land use types and the amount of estimated dwelling units (DU) assigned to each. One DU was typically used for lots less than half an acre. For lots greater than one half acre, an estimated amount of DU per acre was used, according to Table 5-3. In order to obtain a higher degree of accuracy for future updates to the hydraulic model and Master Plan, it is recommended to utilize water consumption information per parcel to determine the comparative amount of sewer flow generated amongst similar land use types.

**Table 5-3
Residential Land Use**

| Residential Type | Sewer Flow Generation (Lots > ½ acre) |
|------------------------------|---|
| Estate Residential | 1 DU/acre |
| Very Low Density Residential | 2.1 – 4.0 DU/acre |
| Low Density Residential | 4.1 – 6.0 DU/acre |
| Medium Density Residential | 6.1 – 15.0 DU/acre |
| High Density Residential | 15.1 – 30.0 DU/acre |

Population Projections. Population growth was distributed throughout the City parcels based on the percent increase of projected population to 2015 and 2025, as discussed in Section 3-2.

Non-Residential

Developed square footage was not available for non-residential parcels in the City’s GIS database. It was assumed that the entire parcel for non-residential areas was developed land. Flow based on the square footage was increased for future years based on the percent population growth projected by SCAG.

Sewer Basins

Sewer basins, or areas tributary to metered manholes, were used to determine residential and non-residential loads on the model system. Residential estimated dwelling units and non-residential square footages were factored using diurnal curves to obtain the daily flow patterns and calibrated to match metered flows for each basin.

Basins were delineated based on the parcel and pipe GIS information provided by ICOMMM. Each parcel was assigned a valid manhole reference by performing a spatial analysis to find the nearest manhole to each parcel. Parcels tributary to a common metered manhole were grouped together to

form a sewer basin. The total residential and non-residential sewer flow contributing to each metered manhole was then modeled. Seventeen sewer basins were defined, based on criteria outlined in Section 4. For future scenarios, the population increase percentage was applied to the sewer loads and remodeled. Deficient capacity segments were grouped and projects were designed to address these deficiencies. A model scenario was also created showing the impacts of performing the recommended projects.

In the Parcel 4, PM 21921 Sewer Study Report, it was proposed that the Highway Commercial Project, north on Indian Avenue, would connect to the City’s sewer system. The City has determined that it is unlikely that this development will connect to the system. Two additional alternatives for future scenarios were also modeled based on this information. These two alternative future scenarios model the City’s system without flows from the Highway Commercial development.

5.3 HYDRAULIC DEFICIENCY CRITERIA

The criteria used to determine if the sanitary sewers had adequate capacity to convey existing and future wastewater flows is summarized in Table 5-4. The limits of the ratio between the depth of the wastewater flow in the pipe and the pipe diameter is used to determine whether the capacity is sufficient for existing sewers and to size new sewers as needed. Existing sewers 15 inches and greater with a d/D greater than or equal to 75% during peak flow are hydraulically deficient. Sewers smaller than 15 inches are defined to be hydraulically deficient when the d/D ratio is greater than 50% during peak flow conditions.

**Table 5-4
Pipe Capacity Criteria**

| Pipe Diameter | Sufficient Capacity | Semi-Critical Capacity | Critical Capacity |
|-------------------------------|----------------------------|-------------------------------|--------------------------|
| Less than 15 inches | d/D < 40 % | d/D > 40 % and < 50 % | d/D > 50 % |
| Greater or Equal to 15 inches | d/D < 50 % | d/D > 50 % and < 75 % | d/D > 75 % |

The recommended minimum and maximum design velocities are 2 and 10 feet per second, respectively. The Manning Equation was used in the SewerCAD model to determine the capacity and velocity in each sanitary sewer segment based on the diameter, slope and roughness coefficient of the sewer pipe segment. Table 5-5 summarizes the capacity deficiencies throughout the City’s sewer system for the Year 2025 build out scenario. The model results for all scenarios and the maps for each scenario are included in Appendix E.

**Table 5-5
Capacity Deficiencies (Per Year 2025 Flow Conditions)**

| Location | Deficiency | Pipe Length (ft) |
|--|--|-------------------------|
| Arenas Road, Palm Canyon Drive, Baristo Road, Indian Canyon Drive and Ramon Road | 8, 10 and 12 inch lines experiencing 67 % and up to surcharging in almost all these segments at build out conditions. | 3,557 |
| Palm Canyon Drive, Alejo Road and Indian Canyon Drive | 10 inch line is experiencing 41 % and up to surcharging in one line at build out conditions. | 2,661 |
| Indian Avenue between Tramview Road and Vista Chino* | 10, 12 and 15 inch lines completely surcharging at Year 2015 and build out conditions, due to the connection to the Parcel 4, PM 21921 development. | 7,935 |
| Farrell Drive between Tamarisk Road and Vista Chino* | 24 inch line experiencing 83 % and up to surcharging in one of the segments at build out conditions. | 1,997 |
| Vista Chino between Indian Canyon Drive and Sunrise Way* | 18 and 21 inch lines experiencing 78 % and up to surcharging in two of the segments at build out conditions. Lines between this project and the above project on Indian Avenue have been included to maintain pipe size through both projects. | 3,632 |

*Optional project, depending on future connection to Parcel 4, Highway Commercial Development

Section 6

SEWER SYSTEM RECOMMENDED CIP

This section presents specific sewer projects developed to address findings of the system evaluation. Each pipeline project is documented with a general description, plan map, planning-level capital cost estimate, and relative priority rating. While the pump stations were found to have sufficient capacity, suggested improvements are documented in Table 6-2. Recommendations for project implementation are provided. At the end of this section are additional recommendations to compliment and support the CIP program.

6.1 PROJECT IDENTIFICATION AND PRIORITIZATION

Capital improvements were identified to proactively address potential problems discovered in the gravity sewer capacity analysis and pump station evaluation. A project was developed to address each limitation identified.

6.1.1 Pipeline Projects Overview

Five pipeline projects were developed to address the capacity limitations identified with the model as discussed previously.

Indian Canyon Drive Upsize Project

The Indian Canyon Drive Upsize Project is the first recommended project. The 8, 10 and 12 inch lines are projected to flow at least 67% full at build out conditions. Most of the pipe lines are expected to surcharge at build out conditions. Since there are no adequate sewer lines to divert flow to in the area, upsizing is recommended. During the Year 2015 scenario, the lines flow at least 52% full. This is still above the 50% d/D critical capacity criteria for pipe lines below 15 inches in diameter. For this reason, it is recommended that this project is the first priority and should be completed before 2015, according to capacity criteria.

Palm Canyon Drive Upsize Project

The second recommended project is the Palm Canyon Drive Upsize Project. The 10 inch line is experiencing at least 41% depth of flow at Year 2025 flow conditions, with all but one line above critical capacity. One line is projected to experience surcharging flows at build out conditions. Since there is no adequate diversion to sewer lines in the area, upsizing is recommended. During the Year 2015 scenario, the lines flow at least 37% full, with all but two lines above critical capacity. None of these segments are projected to surcharge during Year 2015 flows, with the most critical segment flowing 81% full during peak flow.

Indian Avenue Upsize Project

The Indian Avenue Upsize Project involves 10, 12 and 15 inch lines completely surcharging at Year 2015 and build out conditions, due to the connection to the Parcel 4, PM 21921 development. Since

there are no adequate lines to divert flow to in the area, and there is no other connection point with capacity for the development to connect to the sewer system, upsizing the lines on Indian Avenue is recommended. It should be noted that this project is optional since it is still to be decided whether the Parcel 4, PM 21921 development will actually connect to the City's sewer system.

Farrell Drive Upsize Project

Another optional project is the Farrell Drive Upsize Project. The 24 inch line is experiencing at least 83% depth of flow at Year 2025 flow conditions. One line is projected to experience surcharging flows at build out conditions. Since there is no adequate diversion to sewer lines in the area, upsizing is recommended. During the Year 2015 scenario, the lines flow up to 80% full at the most critical segment. None of these segments are projected to surcharge during Year 2015 flows. This necessity of this project is also dependent on whether the Parcel 4, PM 21921 development will actually connect to the City's sewer system.

Vista Chino Upsize Project

The final optional project is the Vista Chino Upsize Project. The 18 and 21 inch segments are flowing at least 78% full and two segments are projected to surcharge. During the Year 2015 scenario, the lines flow at 91% full at the most critical segment. None of these segments are projected to surcharge during Year 2015 flows. This necessity of this project is also dependent on whether the Parcel 4, PM 21921 development will actually connect to the City's sewer system.

A summary of projects with cost estimates is presented in Table 6-1. The basis for the engineer's opinion of probable cost is based on recent bids in the Low Desert cities and is presented in Appendix C.

Table 6-1 Cost Estimates

| Project Name | Location | Description of Upgrades | Engineer's Opinion of Cost |
|---|--|--|-----------------------------------|
| Indian Canyon Drive Upsize | Arenas Road, Palm Canyon Drive, Baristo Road, Indian Canyon Drive and Ramon Road | Upsize existing 8", 10" and 12" to 12" and 15" | \$2,416,000 |
| Palm Canyon Drive Upsize | Palm Canyon Drive, Alejo Road and Indian Canyon Drive | Upsize existing 10" pipeline to 12" and 15" | \$1,804,000 |
| Total Estimated Cost For Capacity Upgrades: | | | \$4,220,000 |
| Indian Ave Upsize* | Indian Avenue between Tramview Road and Vista Chino | Upsize existing 10"-15" pipeline to 24" | \$6,548,000 |
| Farrell Drive Upsize* | Farrell Drive between Tamarisk Road and Vista Chino | Upsize existing 24" pipeline to 30" | \$1,868,000 |
| Vista Chino Upsize* | Vista Chino between Via Miraleste and Sunrise Way | Upsize existing 18"-21" pipeline to 24" | \$4,401,000 |
| Total Estimated Cost For Capacity Upgrades, Including Optional Projects: | | | \$17,037,000 |

*Optional project, depending on future connection to Parcel 4, Highway Commercial Development

The projects in Table 6-1 are listed in order of relative priority based on approximate severity of capacity deficiencies and length of continuous capacity deficiency based on buildout conditions. The projects are all based on an open trench replacement method as opposed to pipe bursting. The

design criteria used for sizing replacement pipes was a maximum depth-to-diameter ratio of 0.75 of buildout DWF conditions in pipes larger than or equal to 15-inch. Exhibits showing the project areas are presented in Appendix D.

The Indian Canyon Drive Upsize and Palm Canyon Drive Upsize are recommended to be completed by 2015. These areas are already shown to be above critical capacity, and by 2015, may be under surcharging conditions. It is recommended that the City perform long term temporary monitoring in these two areas and implement these projects if flows surpass 50% d/D during peak flow. Construction of the Indian Avenue Upsize, Farrell Drive Upsize and Vista Chino Upsize projects are optional. Their necessity is dependent on the proposed connection on Indian Avenue to the development in the Highway Commercial area on Parcel 4. If it is found that this sewer connection will take place, these three projects should be constructed prior to construction of the proposed connection to relieve projected surcharging conditions.

Although these projects address surcharge conditions that exceed the evaluation criteria during Year 2015 and Year 2025 build out peak dry weather flows, these projects relieve relatively minor surcharging that presents minimal risk to the City. Because of the relatively low risk of overflow, the City should consider other factors, such as pipe condition, pipe age, or street improvement projects prior to implementing these projects.

6.1.2 Pump Station Projects Overview

For this Master Plan, the pump stations were evaluated based on capacity. Results from the Existing, Year 2015 and Build Out scenarios show that the pumps are adequately sized for peak flows at the influent to each pump station. A more detailed study of each pump station is recommended to determine condition and evaluate if standby pumps should be installed. Other factors should be considered to determine if the pump stations require upgrades or replacement.

6.2 ADDITIONAL RECOMMENDATIONS

In addition to the five CIP projects described, there are additional recommendations that have been made to support and compliment the CIP effort. It is recommended for the City to purchase SewerCAD to maintain and expand the model developed during this Master Plan study for future analysis.

It is recommended that the proposed projects contained in the report become the focus of further study and design as the recommendations in this Sanitary Sewer Master Plan are general. This study's major findings, which form the basis for the Sanitary Sewer Master Plan recommendations, are based primarily on the condition and capacity of the existing public sewerage systems.

6.2.1 Considerations for Design

The CIP projects described in this section have been developed based on the data provided and the modeling results. The primary focus of this Sewer Master Plan is to identify the projects needed to alleviate areas that are projected to be under capacity, determine the preliminary lengths and sizes of the proposed remedy sewer lines and provide an engineer's opinion of probable cost. Since this

Sewer Master Plan is a planning document, a detailed evaluation of design considerations for each project has not been included and is considered out of the scope of this document. For example, site conditions, slopes and the number of manholes required have been assumed to be the same, but may not be under actual conditions. Information, such as utilities, soil information, environmental considerations and topographic data have yet to be developed to verify these conditions.

6.2.2 Construction Coordination

Sanitary sewer construction, particularly in residential and commercial areas, is disruptive to the community. It is preferred that coordination of the construction of sewer projects takes place with other utility and public works construction projects. Scheduling of major public works projects by the other City departments, such as street works, storm drain works and water works, and utility agencies, such as gas, electric, and communications, should be monitored to determine if concurrent construction with the required sewer project is possible.

6.2.3 Additional Field Investigations

As part of the CIP project pre-design, it is recommended that the pipe attributes, such as diameters, material and invert elevations be verified and capacity deficiencies confirmed as found in the hydraulic model. Most of the data has been verified against the as-built information and the City's atlas and corrected where necessary to successfully run and utilize the model. As mentioned earlier, invert elevations, rim elevations and pipe diameters have been found to be incorrect in the model. Flow monitoring in the proposed project locations during peak flow periods can determine the validity of the capacity deficiencies. It is recommended to add installation dates to the pipe and manhole data to help prioritize areas for future rehabilitation and repair programs. It is also recommended that the City verify the locations of split-flow, or diversion structures, along with invert elevations of pipes entering and exiting these manholes, and update the hydraulic model accordingly. In addition, it is recommended that a CCTV inspection be performed at these proposed project locations during low flow to determine pipe condition as part of the CIP project pre-design effort.

6.2.4 Environmental Review Requirements

The City will be required to complete an initial study to identify potential environmental impacts of performing these CIP projects. If the initial study finds that there are no significant impacts, the preparation and circulation of a Negative Declaration will be required. If there are significant environmental impacts, an Environmental Report will be required. This environmental review must be complete before beginning any part of the construction of projects in this Sewer Master Plan.

6.2.5 Guidelines for Updating the Sanitary Sewer Master Plan

The City should plan on updating this live document as additional information is available. This process can start with implementing a GIS and hydraulic model update procedure that occurs as part of the weekly workload. By keeping the GIS database updated as field conditions change or are discovered, the process for updating the Sewer Master Plan document will be easier. The Sewer

Master Plan should be updated whenever there are major changes to the planning assumptions, such as changes in land use or sewer flow diversions or changes. The Sanitary Sewer Master Plan updates should occur in periodic intervals of no more than, five years, or to coincide with the updates to the City's General Plan.

6.2.6 Next Steps

- Adopt the *Sanitary Sewer Master Plan for the City of Palm Springs* as the planning guideline for the City's public sewerage system.
- Develop a plan for periodic and continued closed circuit televising (CCTV) of all pipelines located in the Study Area, including CCTV frequency to monitor problem areas. The schedule should consider the age and condition of each pipe segment in the Study Area.
- Replacement pipelines shall be sized to flow half full for those pipelines 12-inches in diameter and less and three-fourths full for pipelines 15-inches and greater during peak dry weather flow.

The following are recommendations for immediate action over the next 5 years:

- Add the Recommended CIP Projects to the City's Wastewater Capital Improvement Plan.
- Obtain Water consumption records for the same sewer metering period to compare water consumption in each sewer basin to the meter flow records. This information can be used to simulate the flow generated per parcel with a higher degree of accuracy.
- Continue the City's CCTV Inspection Program to monitor the condition of the Study Area's sewer pipelines
- Install permanent flow monitors in the areas identified to be under capacity and activate and implement the optional CIP projects if flows surpass 50% d/D during peak flow.

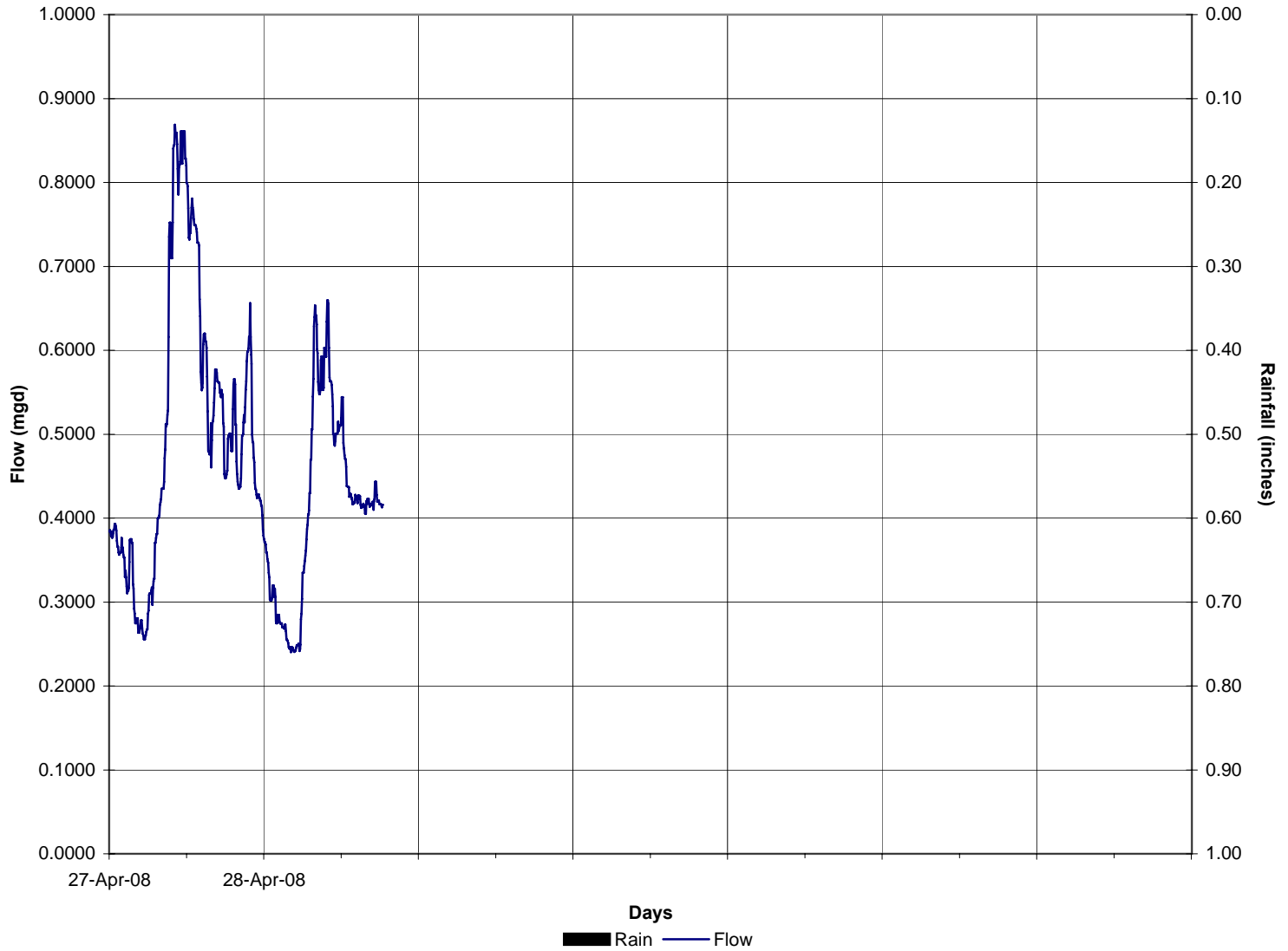
APPENDIX A
FLOW METER DATA

Palm Spring Sanitary Flow MH D05115 Site 1

Daily Summary

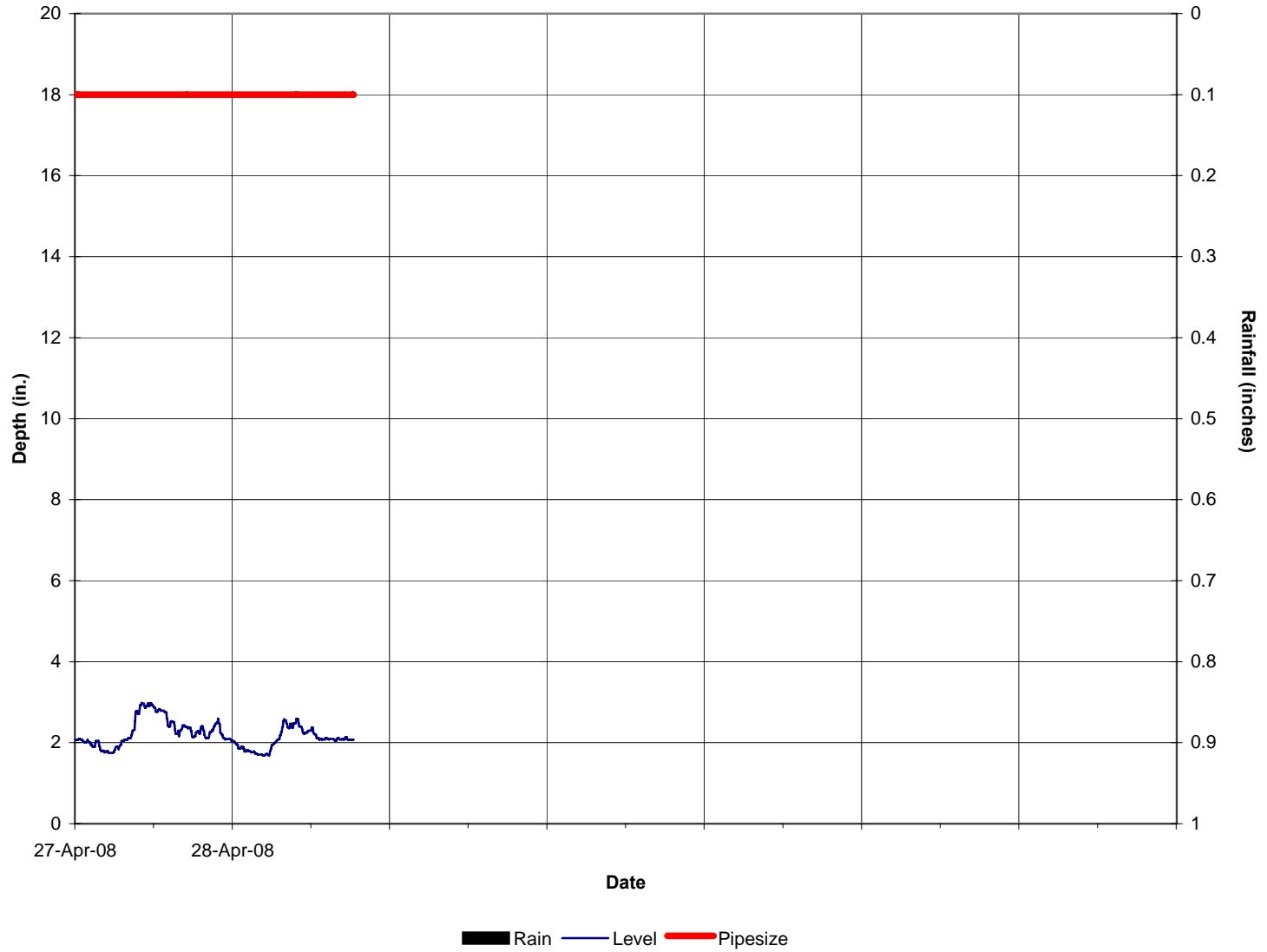
| Day | Date | Avg Flow(MGD) | Min Flow(MGD) | Max Flow(MGD) | Max Depth(in.) | Rain(in.) |
|-----------|---------|---------------|---------------|---------------|----------------|-----------|
| Sunday | 4/13/08 | 0.373 | 0.000 | 0.798 | 2.830 | 0.00 |
| Monday | 4/14/08 | 0.458 | 0.220 | 0.671 | 2.590 | 0.00 |
| Tuesday | 4/15/08 | 0.451 | 0.218 | 0.709 | 2.680 | 0.00 |
| Wednesday | 4/16/08 | 0.437 | 0.214 | 0.669 | 2.610 | 0.00 |
| Thursday | 4/17/08 | 0.444 | 0.213 | 0.643 | 2.570 | 0.00 |
| Friday | 4/18/08 | 0.441 | 0.191 | 0.651 | 2.580 | 0.00 |
| Saturday | 4/19/08 | 0.482 | 0.182 | 0.772 | 2.840 | 0.00 |
| Sunday | 4/20/08 | 0.502 | 0.254 | 0.928 | 3.090 | 0.00 |
| Monday | 4/21/08 | 0.431 | 0.241 | 0.649 | 2.580 | 0.00 |
| Tuesday | 4/22/08 | 0.436 | 0.243 | 0.677 | 2.680 | 0.00 |
| Wednesday | 4/23/08 | 0.426 | 0.234 | 0.696 | 2.690 | 0.00 |
| Thursday | 4/24/08 | 0.433 | 0.252 | 0.678 | 2.660 | 0.00 |
| Friday | 4/25/08 | 0.440 | 0.241 | 0.698 | 2.690 | 0.00 |
| Saturday | 4/26/08 | 0.482 | 0.249 | 0.836 | 2.940 | 0.00 |
| Sunday | 4/27/08 | 0.506 | 0.255 | 0.869 | 2.980 | 0.00 |

Palm Spring Sanitary Flow MH D05115 Site 1



| | 4/27/2008(Sun) | | | | | |
|---------------|----------------|--|--|--|--|--|
| Maximum | 0.869 | | | | | |
| Average | 0.506 | | | | | |
| Minimum | 0.255 | | | | | |
| Rain (inches) | 0.00 | | | | | |

Palm Spring Sanitary Flow MH D05115 Site 1



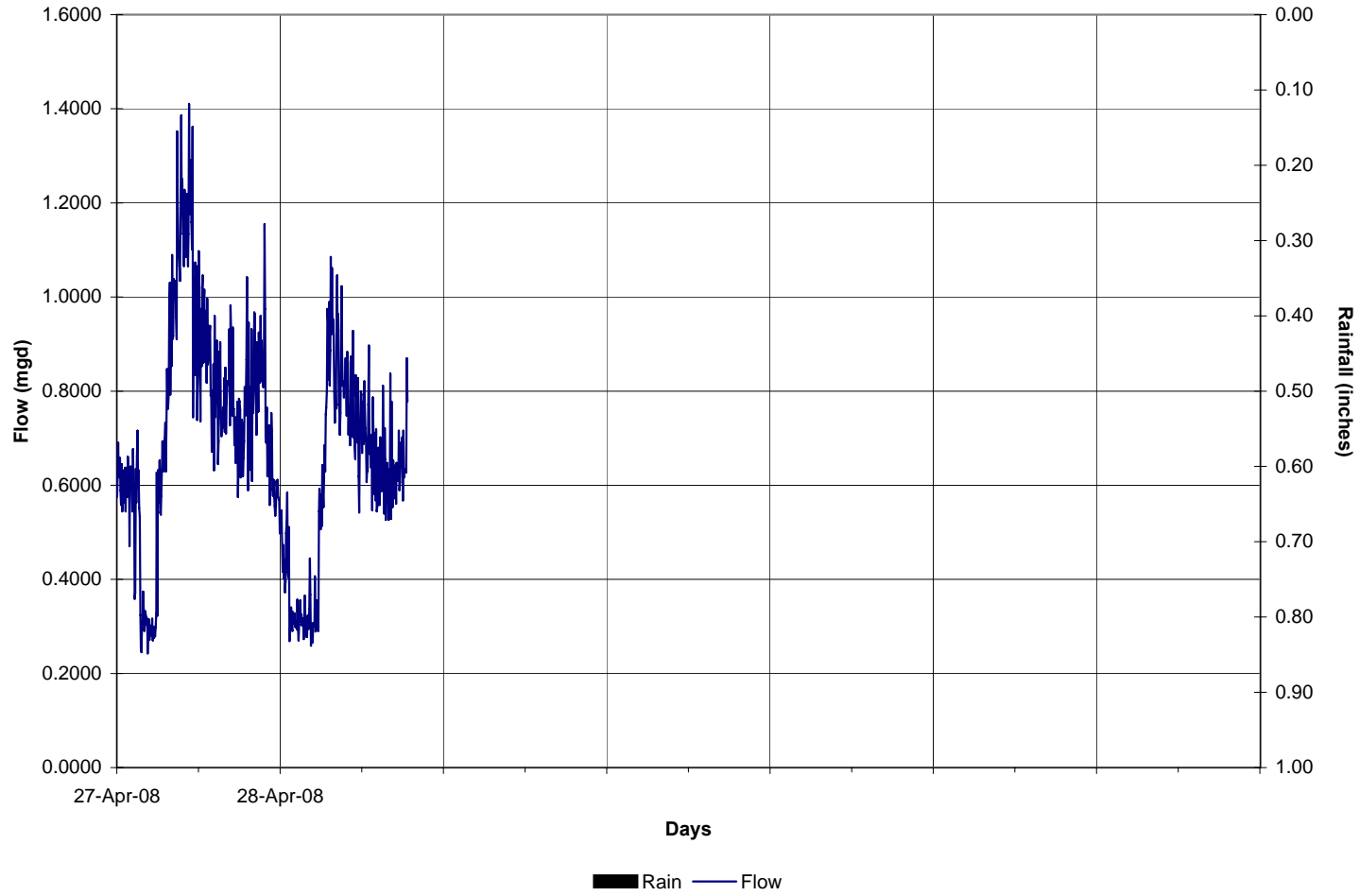
| | 4/27/2008(Sun) | 4/28/2008(Mon) | | | | | |
|---------------|----------------|----------------|--|--|--|--|--|
| Maximum | 2.980 | 2.590 | | | | | |
| Average | 2.280 | 2.076 | | | | | |
| Minimum | 1.750 | 2.080 | | | | | |
| Rain (inches) | 0.00 | 0.00 | | | | | |

Palm Springs Sanitary Flow MH E5027 Site 002

Daily Summary

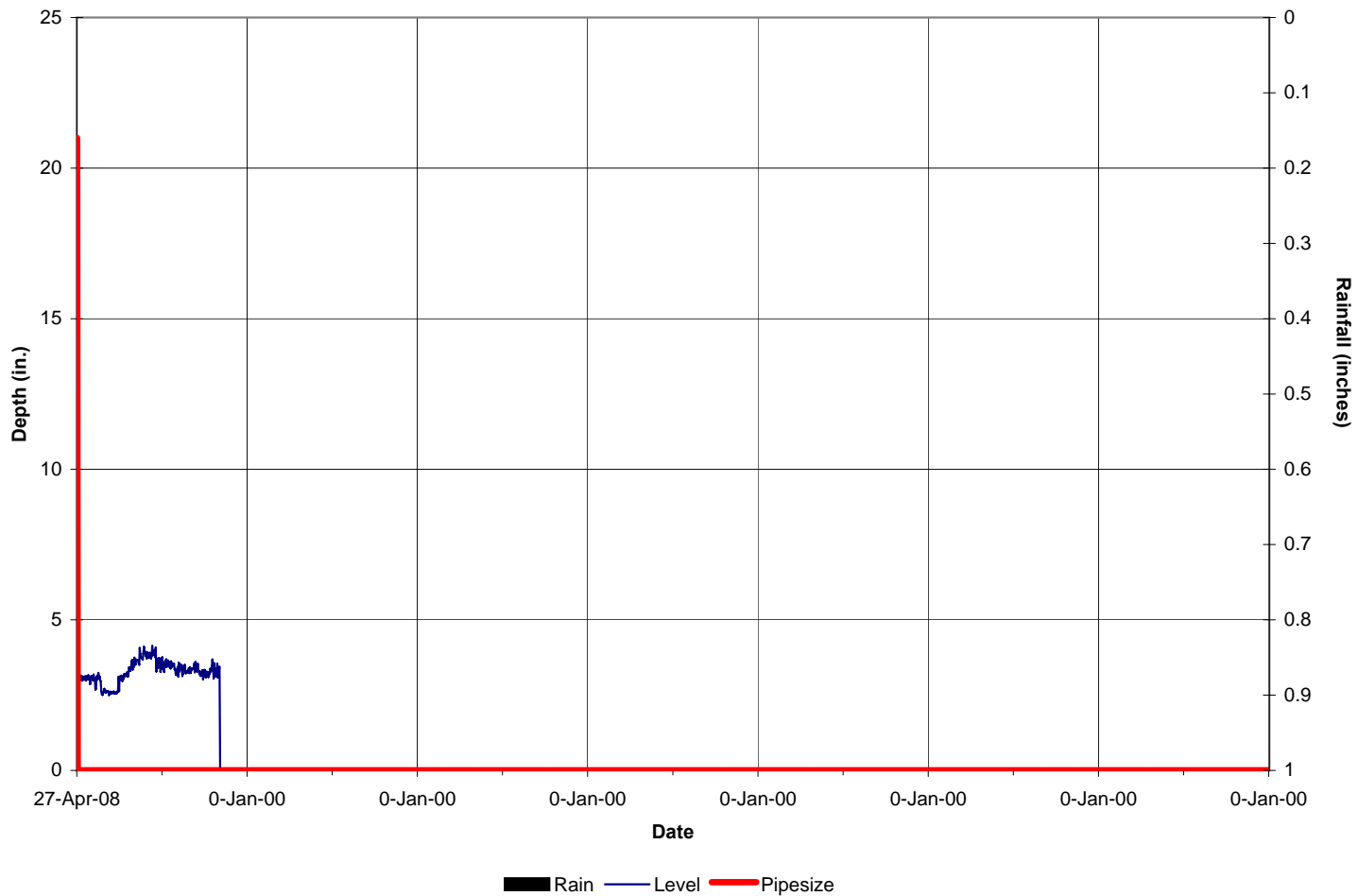
| Day | Date | Avg Flow(MGD) | Min Flow(MGD) | Max Flow(MGD) | Max Depth(in.) | Rain(in.) |
|-----------|---------|---------------|---------------|---------------|----------------|-----------|
| Sunday | 4/13/08 | 0.554 | 0.000 | 1.264 | 4.048 | 0.00 |
| Monday | 4/14/08 | 0.739 | 0.240 | 1.213 | 4.130 | 0.00 |
| Tuesday | 4/15/08 | 0.738 | 0.213 | 1.279 | 4.172 | 0.00 |
| Wednesday | 4/16/08 | 0.718 | 0.231 | 1.277 | 3.977 | 0.00 |
| Thursday | 4/17/08 | 0.727 | 0.240 | 1.197 | 3.881 | 0.00 |
| Friday | 4/18/08 | 0.749 | 0.237 | 1.197 | 3.881 | 0.00 |
| Sunday | 4/20/08 | 0.798 | 0.222 | 1.264 | 3.961 | 0.00 |
| Monday | 4/21/08 | 0.820 | 0.256 | 1.410 | 4.133 | 0.00 |
| Tuesday | 4/22/08 | 0.756 | 0.227 | 1.291 | 3.994 | 0.00 |
| Wednesday | 4/23/08 | 0.753 | 0.244 | 1.259 | 3.956 | 0.00 |
| Thursday | 4/24/08 | 0.735 | 0.251 | 1.219 | 3.907 | 0.00 |
| Friday | 4/25/08 | 0.733 | 0.253 | 1.185 | 3.865 | 0.00 |
| Saturday | 4/26/08 | 0.710 | 0.214 | 1.228 | 3.918 | 0.00 |
| Sunday | 4/27/08 | 0.778 | 0.219 | 1.296 | 3.999 | 0.00 |
| Monday | 4/28/08 | 0.749 | 0.243 | 1.410 | 4.133 | 0.00 |

Palm Springs Sanitary Flow MH E5027 Site 002



| | 4/28/2008(Mon) | | | | | |
|---------------|----------------|--|--|--|--|--|
| Maximum | 1.410 | | | | | |
| Average | 0.749 | | | | | |
| Minimum | 0.243 | | | | | |
| Rain (inches) | 0.00 | | | | | |

Palm Springs Sanitary Flow MH E5027 Site 002



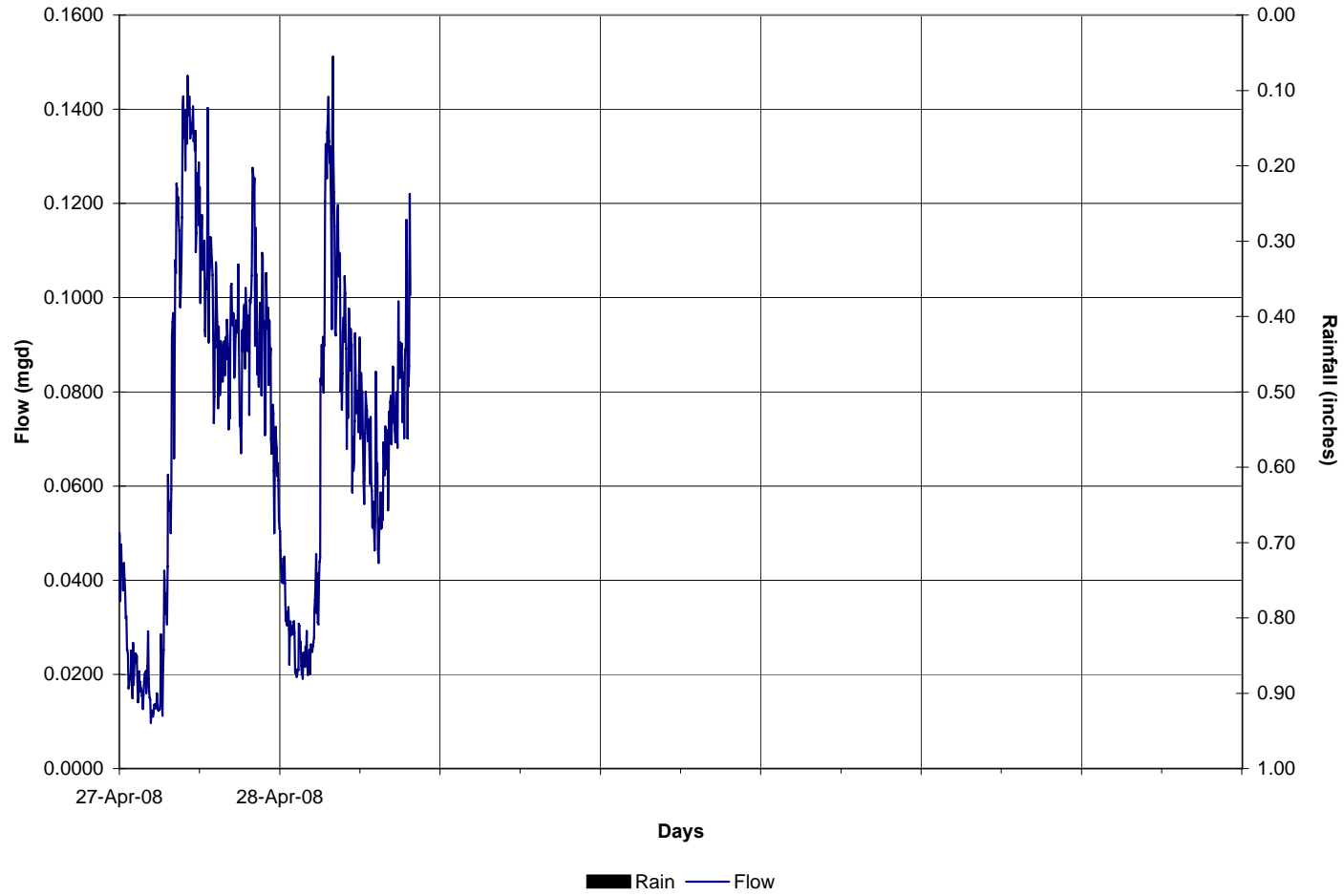
| | 4/27/2008(Sun) | 4/28/2008(Mon) | | | | |
|---------------|----------------|----------------|--|--|--|--|
| Maximum | 4.133 | 3.741 | | | | |
| Average | 3.274 | 3.065 | | | | |
| Minimum | 2.502 | 3.328 | | | | |
| Rain (inches) | 0.00 | 0.00 | | | | |

Palm Spring Sanitary Flow MH H05015 Site 3

Daily Summary

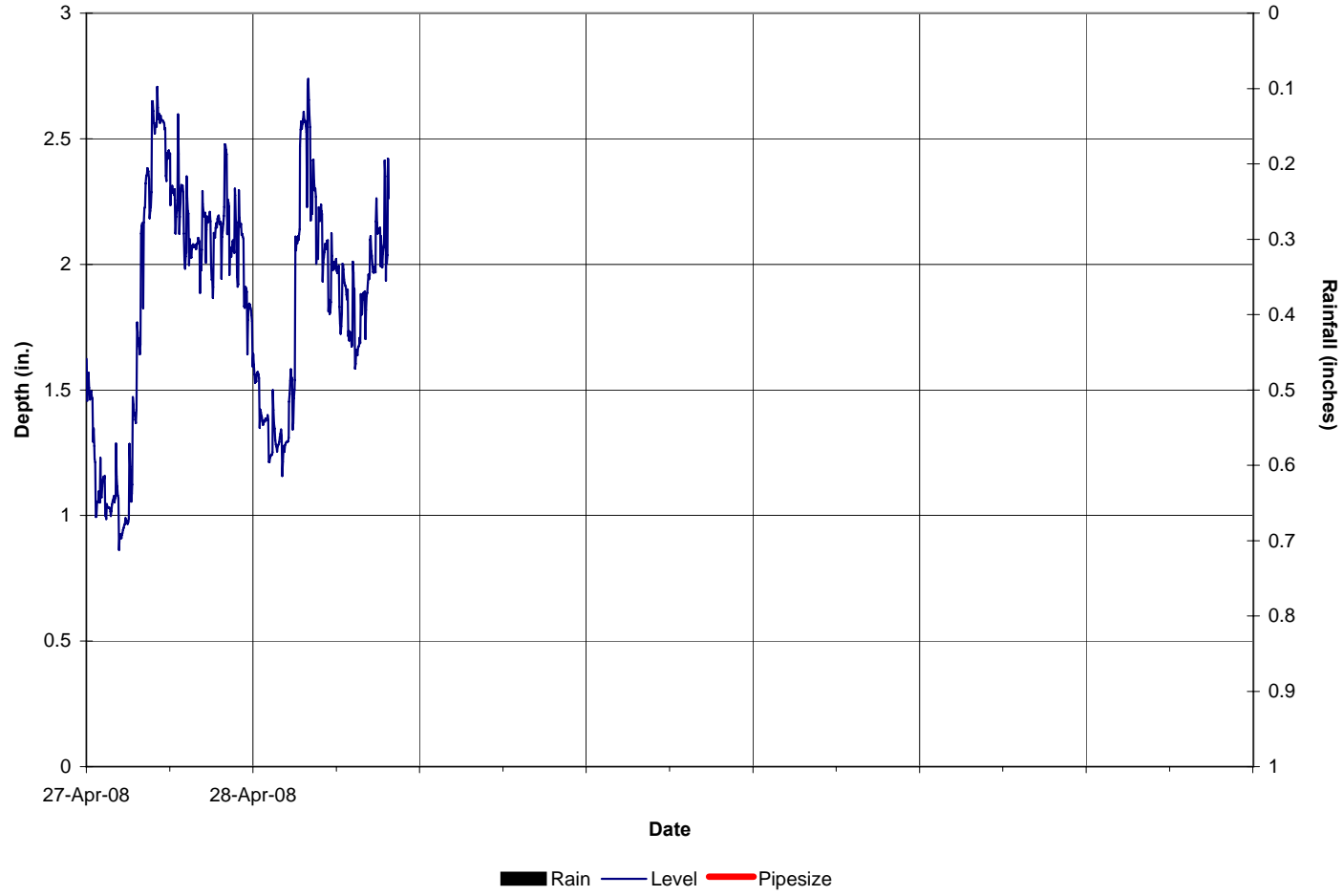
| Day | Date | Avg Flow(MGD) | Min Flow(MGD) | Max Flow(MGD) | Max Depth(in.) | Rain(in.) |
|-----------|---------|---------------|---------------|---------------|----------------|-----------|
| Sunday | 4/13/08 | 0.062 | 0.000 | 0.157 | 2.760 | 0.00 |
| Monday | 4/14/08 | 0.076 | 0.012 | 0.161 | 2.723 | 0.00 |
| Tuesday | 4/15/08 | 0.068 | 0.010 | 0.132 | 2.632 | 0.00 |
| Wednesday | 4/16/08 | 0.063 | 0.016 | 0.163 | 3.035 | 0.00 |
| Thursday | 4/17/08 | 0.053 | 0.007 | 0.123 | 2.524 | 0.00 |
| Friday | 4/18/08 | 0.058 | 0.008 | 0.155 | 2.844 | 0.00 |
| Saturday | 4/19/08 | 0.076 | 0.010 | 0.166 | 2.831 | 0.00 |
| Sunday | 4/20/08 | 0.076 | 0.014 | 0.153 | 2.761 | 0.00 |
| Monday | 4/21/08 | 0.065 | 0.010 | 0.142 | 2.599 | 0.00 |
| Tuesday | 4/22/08 | 0.069 | 0.013 | 0.133 | 2.535 | 0.00 |
| Wednesday | 4/23/08 | 0.063 | 0.012 | 0.127 | 2.442 | 0.00 |
| Thursday | 4/24/08 | 0.065 | 0.009 | 0.153 | 2.714 | 0.00 |
| Friday | 4/25/08 | 0.062 | 0.013 | 0.147 | 2.656 | 0.00 |
| Saturday | 4/26/08 | 0.075 | 0.014 | 0.152 | 2.661 | 0.00 |
| Sunday | 4/27/08 | 0.075 | 0.010 | 0.147 | 2.707 | 0.00 |

Palm Spring Sanitary Flow MH H05015 Site 3



| | 4/27/2008(Sun) | | | | | | |
|---------------|----------------|--|--|--|--|--|--|
| Maximum | 0.147 | | | | | | |
| Average | 0.075 | | | | | | |
| Minimum | 0.010 | | | | | | |
| Rain (inches) | 0.00 | | | | | | |

Palm Spring Sanitary Flow MH H05015 Site 3



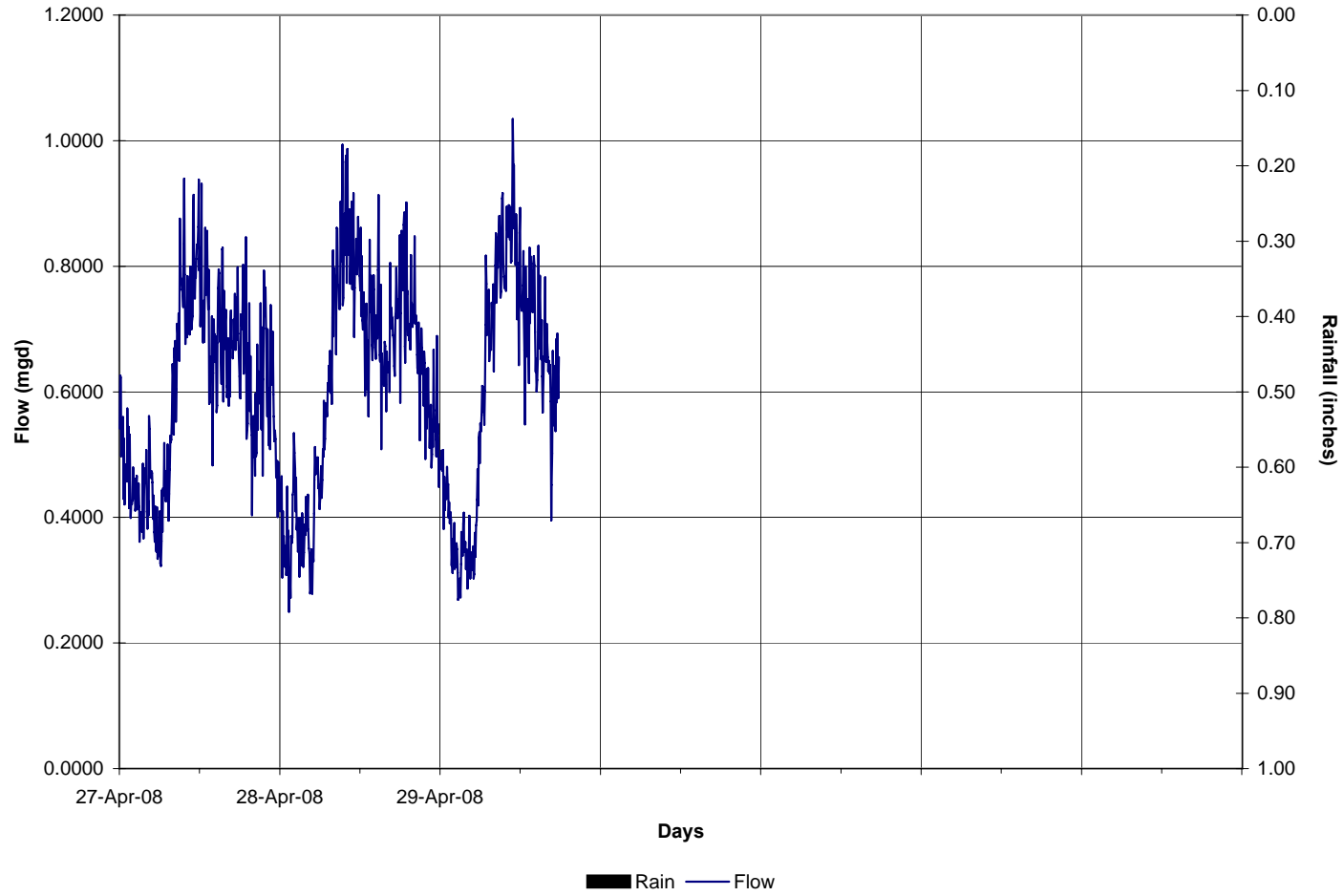
| | 4/27/2008(Sun) | 4/28/2008(Mon) | | | | | |
|---------------|----------------|----------------|--|--|--|--|--|
| Maximum | 2.707 | 2.738 | | | | | |
| Average | 1.866 | 1.843 | | | | | |
| Minimum | 0.863 | 2.263 | | | | | |
| Rain (inches) | 0.00 | 0.00 | | | | | |

Palm Spring Sanitary Flow MH E08085 Site 4

Daily Summary

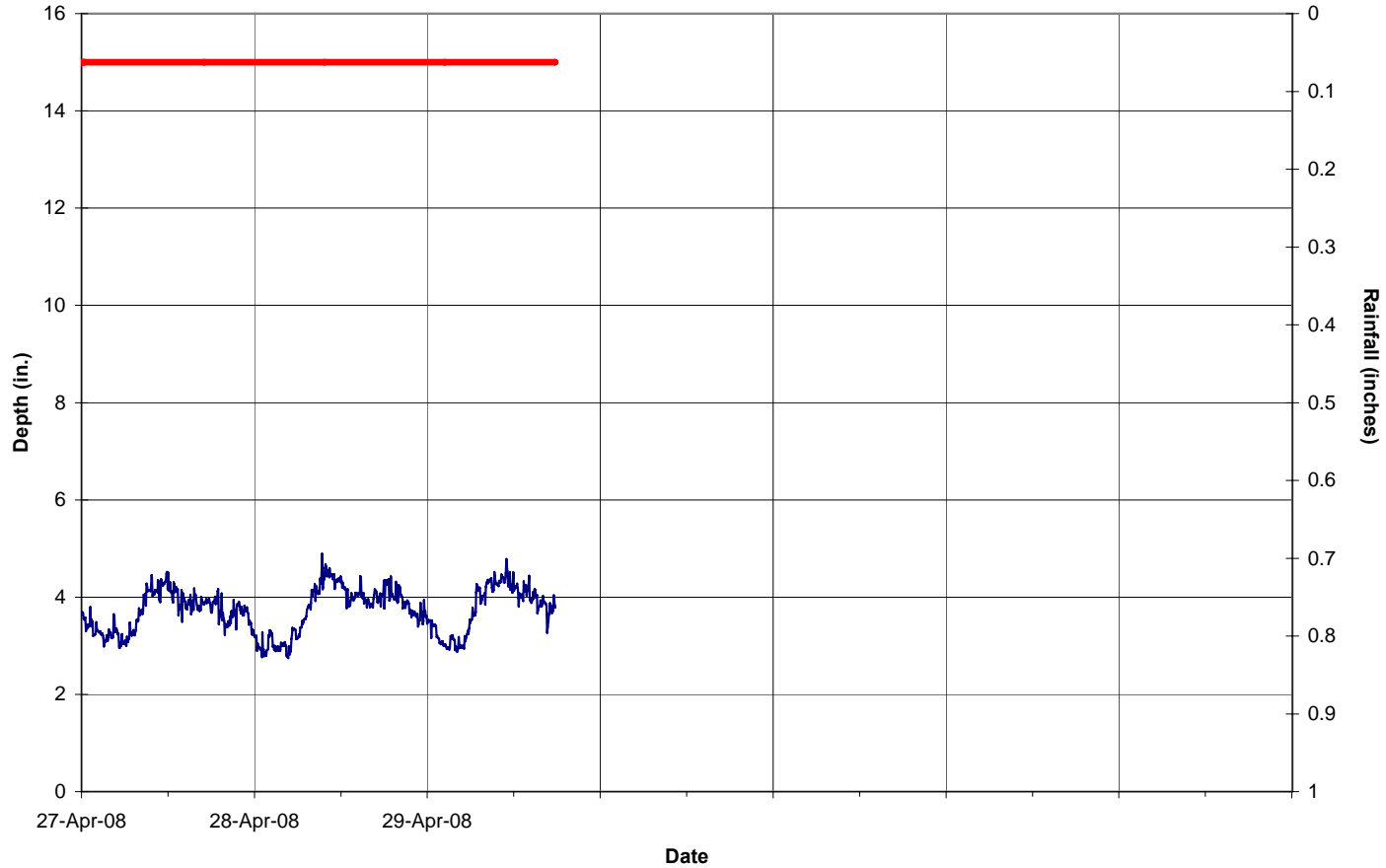
| Day | Date | Avg Flow(MGD) | Min Flow(MGD) | Max Flow(MGD) | Max Depth(in.) | Rain(in.) |
|-----------|---------|---------------|---------------|---------------|----------------|-----------|
| Sunday | 4/13/08 | 0.290 | 0.000 | 0.976 | 4.748 | 0.00 |
| Monday | 4/14/08 | 0.573 | 0.281 | 1.067 | 4.769 | 0.00 |
| Tuesday | 4/15/08 | 0.515 | 0.243 | 0.820 | 4.338 | 0.00 |
| Wednesday | 4/16/08 | 0.494 | 0.199 | 0.925 | 4.106 | 0.00 |
| Thursday | 4/17/08 | 0.499 | 0.181 | 0.844 | 4.087 | 0.00 |
| Friday | 4/18/08 | 0.557 | 0.214 | 1.019 | 4.279 | 0.00 |
| Saturday | 4/19/08 | 0.564 | 0.258 | 0.890 | 4.287 | 0.00 |
| Sunday | 4/20/08 | 0.550 | 0.222 | 0.946 | 4.548 | 0.00 |
| Monday | 4/21/08 | 0.560 | 0.242 | 0.848 | 4.548 | 0.00 |
| Tuesday | 4/22/08 | 0.555 | 0.228 | 0.916 | 4.274 | 0.00 |
| Wednesday | 4/23/08 | 0.581 | 0.238 | 0.986 | 4.578 | 0.00 |
| Thursday | 4/24/08 | 0.566 | 0.254 | 0.907 | 4.343 | 0.00 |
| Friday | 4/25/08 | 0.612 | 0.245 | 0.965 | 4.641 | 0.00 |
| Saturday | 4/26/08 | 0.617 | 0.291 | 0.982 | 4.826 | 0.00 |
| Sunday | 4/27/08 | 0.599 | 0.323 | 0.939 | 4.520 | 0.00 |
| Monday | 4/28/08 | 0.617 | 0.250 | 0.994 | 4.896 | 0.00 |

Palm Spring Sanitary Flow MH E08085 Site 4



| | 4/27/2008(Sun) | 4/28/2008(Mon) | | | | | |
|---------------|----------------|----------------|--|--|--|--|--|
| Maximum | 0.939 | 0.994 | | | | | |
| Average | 0.599 | 0.617 | | | | | |
| Minimum | 0.323 | 0.250 | | | | | |
| Rain (inches) | 0.00 | 0.00 | | | | | |

Palm Spring Sanitary Flow MH E08085 Site 4



■ Rain — Level — Pipesize

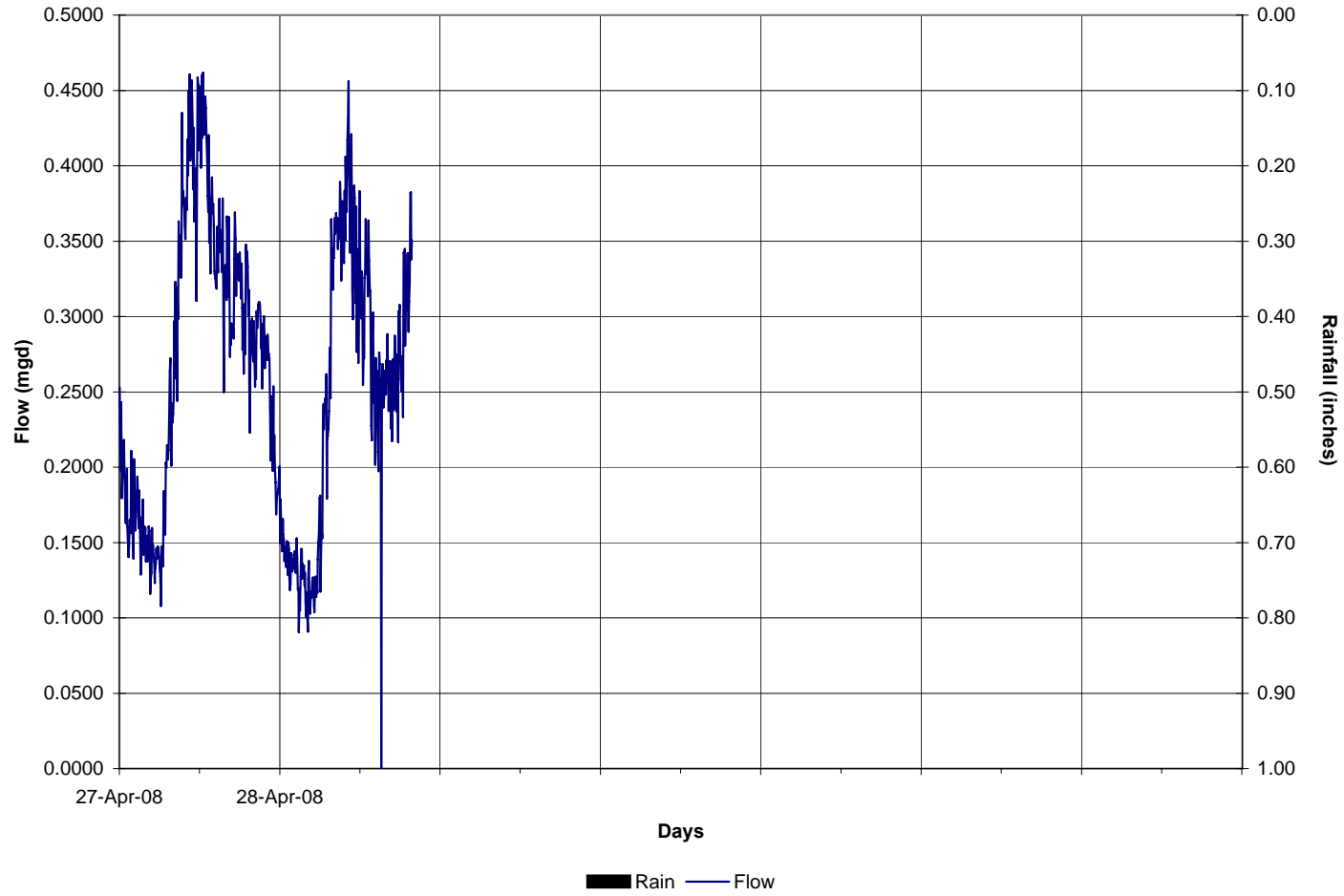
| | 4/27/2008(Sun) | 4/28/2008(Mon) | 4/29/2008(Tue) | | | | |
|---------------|----------------|----------------|----------------|--|--|--|--|
| Maximum | 4.520 | 4.896 | 4.784 | | | | |
| Average | 3.678 | 3.747 | 3.762 | | | | |
| Minimum | 2.971 | 2.760 | 3.818 | | | | |
| Rain (inches) | 0.00 | 0.00 | 0.00 | | | | |

Palm Spring Sanitary Flow MHG08061 Site 5

Daily Summary

| Day | Date | Avg Flow(MGD) | Min Flow(MGD) | Max Flow(MGD) | Max Depth(in.) | Rain(in.) |
|-----------|---------|---------------|---------------|---------------|----------------|-----------|
| Sunday | 4/13/08 | 0.129 | 0.000 | 0.433 | 4.680 | 0.00 |
| Monday | 4/14/08 | 0.259 | 0.091 | 0.482 | 4.817 | 0.00 |
| Tuesday | 4/15/08 | 0.254 | 0.085 | 0.491 | 4.928 | 0.00 |
| Wednesday | 4/16/08 | 0.238 | 0.098 | 0.471 | 4.771 | 0.00 |
| Thursday | 4/17/08 | 0.277 | 0.093 | 0.578 | 5.448 | 0.00 |
| Friday | 4/18/08 | 0.278 | 0.116 | 0.496 | 5.141 | 0.00 |
| Saturday | 4/19/08 | 0.291 | 0.102 | 0.552 | 5.247 | 0.00 |
| Sunday | 4/20/08 | 0.291 | 0.115 | 0.537 | 5.264 | 0.00 |
| Monday | 4/21/08 | 0.268 | 0.091 | 0.511 | 4.978 | 0.00 |
| Tuesday | 4/22/08 | 0.262 | 0.079 | 0.500 | 4.936 | 0.00 |
| Wednesday | 4/23/08 | 0.231 | -0.054 | 0.433 | 4.778 | 0.00 |
| Thursday | 4/24/08 | 0.244 | 0.085 | 0.420 | 4.608 | 0.00 |
| Friday | 4/25/08 | 0.252 | 0.094 | 0.454 | 4.804 | 0.00 |
| Saturday | 4/26/08 | 0.286 | 0.103 | 0.534 | 5.127 | 0.00 |
| Sunday | 4/27/08 | 0.275 | 0.108 | 0.462 | 5.117 | 0.00 |

Palm Spring Sanitary Flow MHG08061 Site 5



| | 4/27/2008(Sun) | | | | | | |
|---------------|----------------|--|--|--|--|--|--|
| Maximum | 0.462 | | | | | | |
| Average | 0.275 | | | | | | |
| Minimum | 0.108 | | | | | | |
| Rain (inches) | 0.00 | | | | | | |

Palm Spring Sanitary Flow MHG08061 Site 5



■ Rain — Level — Pipesize

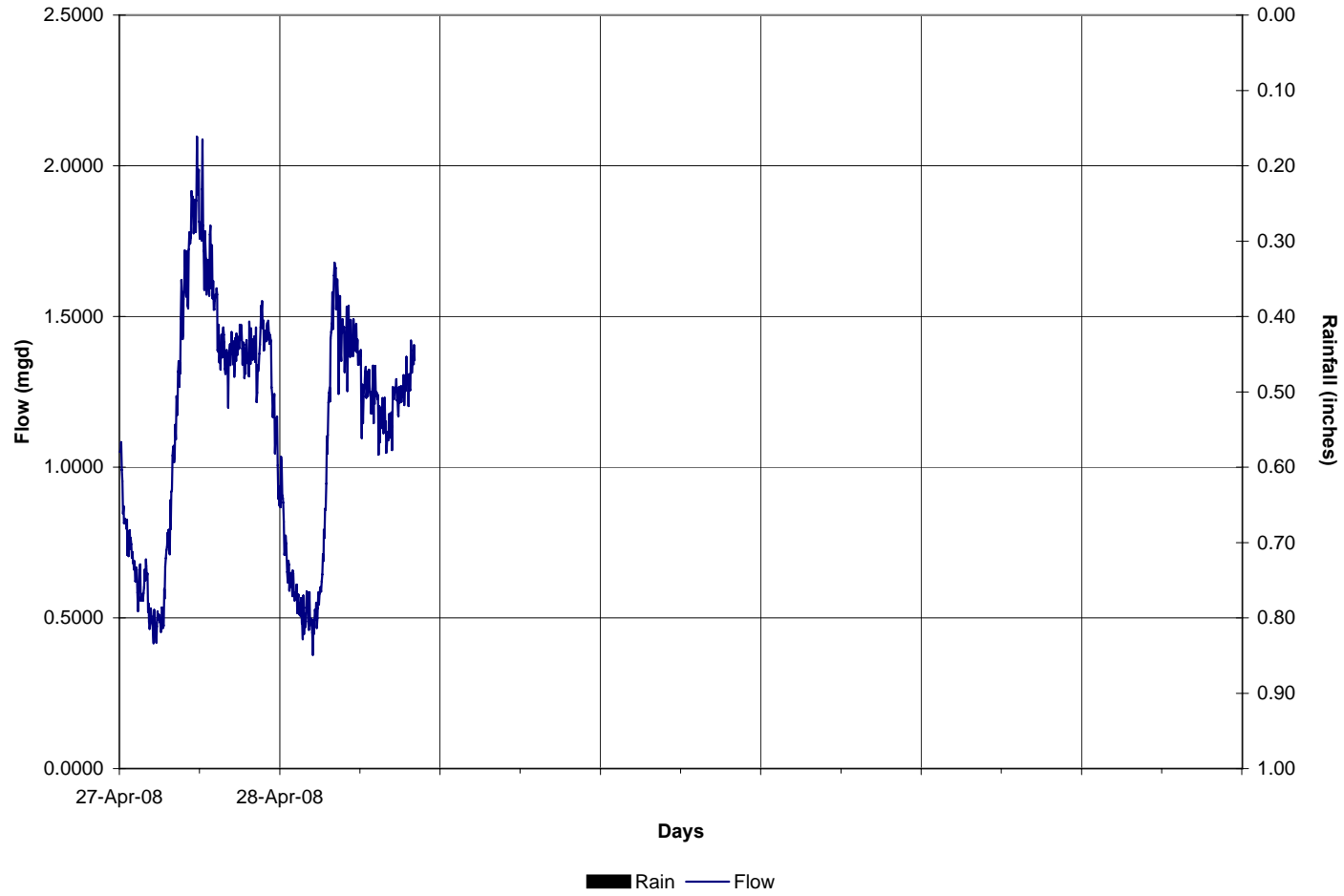
| | 4/27/2008(Sun) | 4/28/2008(Mon) | | | | | |
|---------------|----------------|----------------|--|--|--|--|--|
| Maximum | 5.117 | 4.567 | | | | | |
| Average | 3.652 | 3.414 | | | | | |
| Minimum | 2.482 | 3.971 | | | | | |
| Rain (inches) | 0.00 | 0.00 | | | | | |

Palm Spring Sanitary Flow MH G08101 Site 6

Daily Summary

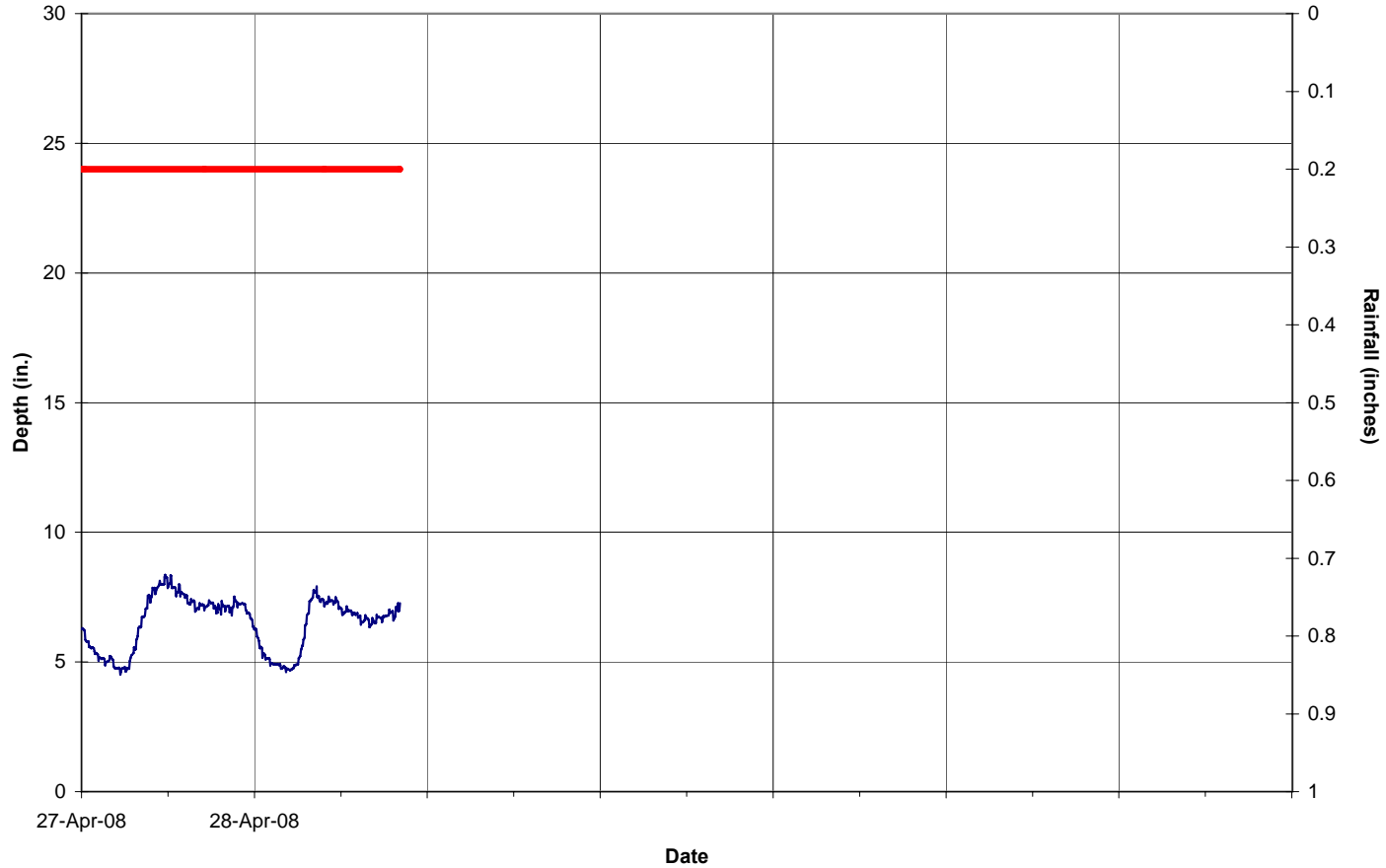
| Day | Date | Avg Flow(MGD) | Min Flow(MGD) | Max Flow(MGD) | Max Depth(in.) | Rain(in.) |
|-----------|---------|---------------|---------------|---------------|----------------|-----------|
| Sunday | 4/13/08 | 0.563 | 0.000 | 1.830 | 8.413 | 0.00 |
| Monday | 4/14/08 | 1.095 | 0.357 | 1.646 | 7.831 | 0.00 |
| Tuesday | 4/15/08 | 1.052 | 0.356 | 1.693 | 7.714 | 0.00 |
| Wednesday | 4/16/08 | 1.042 | 0.390 | 1.645 | 7.650 | 0.00 |
| Thursday | 4/17/08 | 1.054 | 0.368 | 1.700 | 7.742 | 0.00 |
| Friday | 4/18/08 | 1.060 | 0.368 | 1.693 | 8.132 | 0.00 |
| Saturday | 4/19/08 | 1.194 | 0.380 | 1.840 | 8.109 | 0.00 |
| Sunday | 4/20/08 | 1.178 | 0.362 | 1.969 | 8.296 | 0.00 |
| Monday | 4/21/08 | 1.118 | 0.323 | 1.633 | 7.841 | 0.00 |
| Tuesday | 4/22/08 | 1.127 | 0.362 | 1.832 | 8.113 | 0.00 |
| Wednesday | 4/23/08 | 1.098 | 0.370 | 1.717 | 8.135 | 0.00 |
| Thursday | 4/24/08 | 1.127 | 0.392 | 1.705 | 7.915 | 0.00 |
| Friday | 4/25/08 | 1.115 | 0.387 | 1.772 | 7.977 | 0.00 |
| Saturday | 4/26/08 | 1.184 | 0.413 | 1.812 | 8.107 | 0.00 |
| Sunday | 4/27/08 | 1.198 | 0.416 | 2.096 | 8.356 | 0.00 |

Palm Spring Sanitary Flow MH G08101 Site 6



| | 4/27/2008(Sun) | | | | | | |
|---------------|----------------|--|--|--|--|--|--|
| Maximum | 2.096 | | | | | | |
| Average | 1.198 | | | | | | |
| Minimum | 0.416 | | | | | | |
| Rain (inches) | 0.00 | | | | | | |

Palm Spring Sanitary Flow MH G08101 Site 6



■ Rain — Level — Pipesize

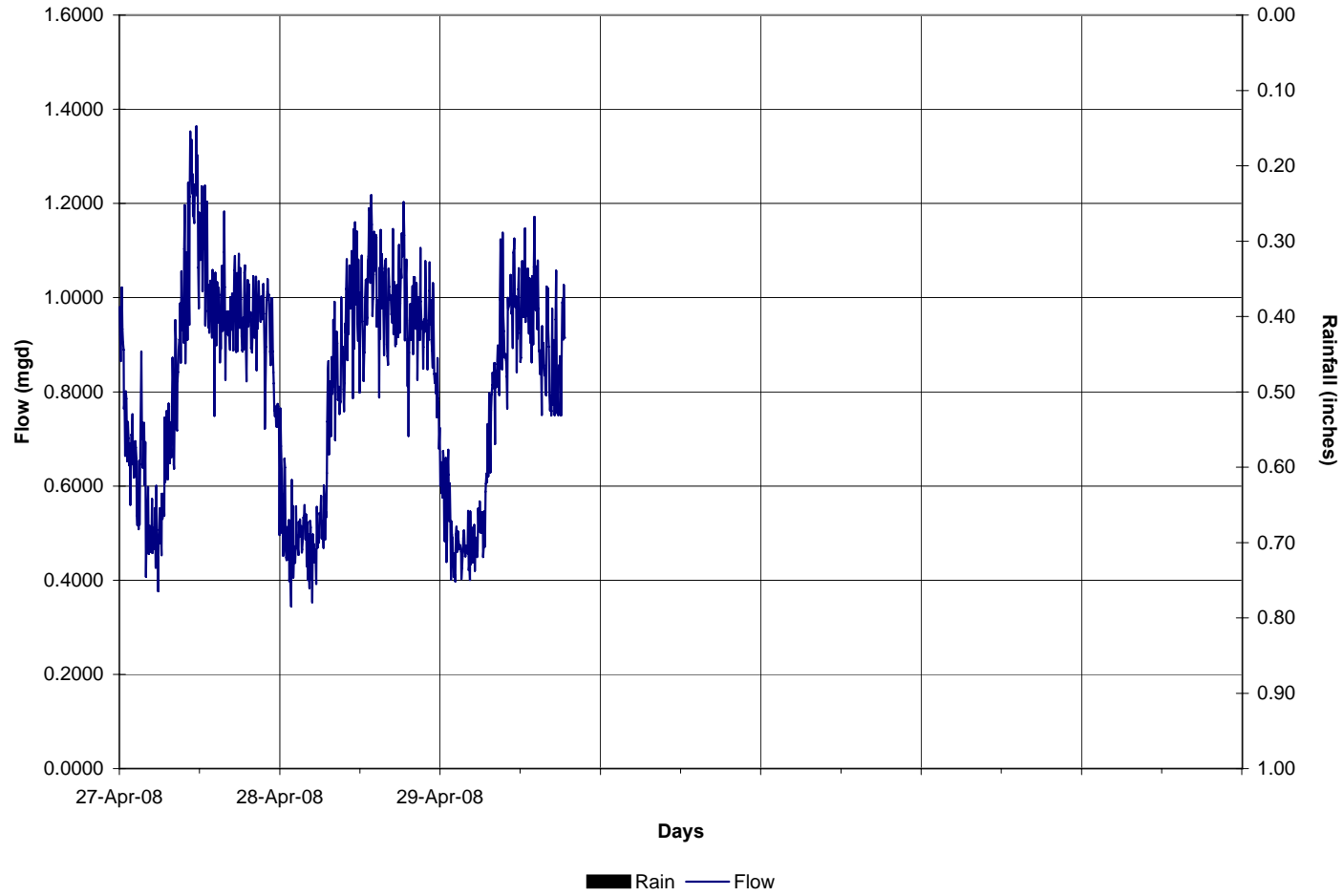
| | 4/27/2008(Sun) | 4/28/2008(Mon) | | | | | |
|---------------|----------------|----------------|--|--|--|--|--|
| Maximum | 8.356 | 7.907 | | | | | |
| Average | 6.638 | 6.343 | | | | | |
| Minimum | 4.514 | 7.263 | | | | | |
| Rain (inches) | 0.00 | 0.00 | | | | | |

Palm Spring Sanitary Flow MH D11050 Site 7

Daily Summary

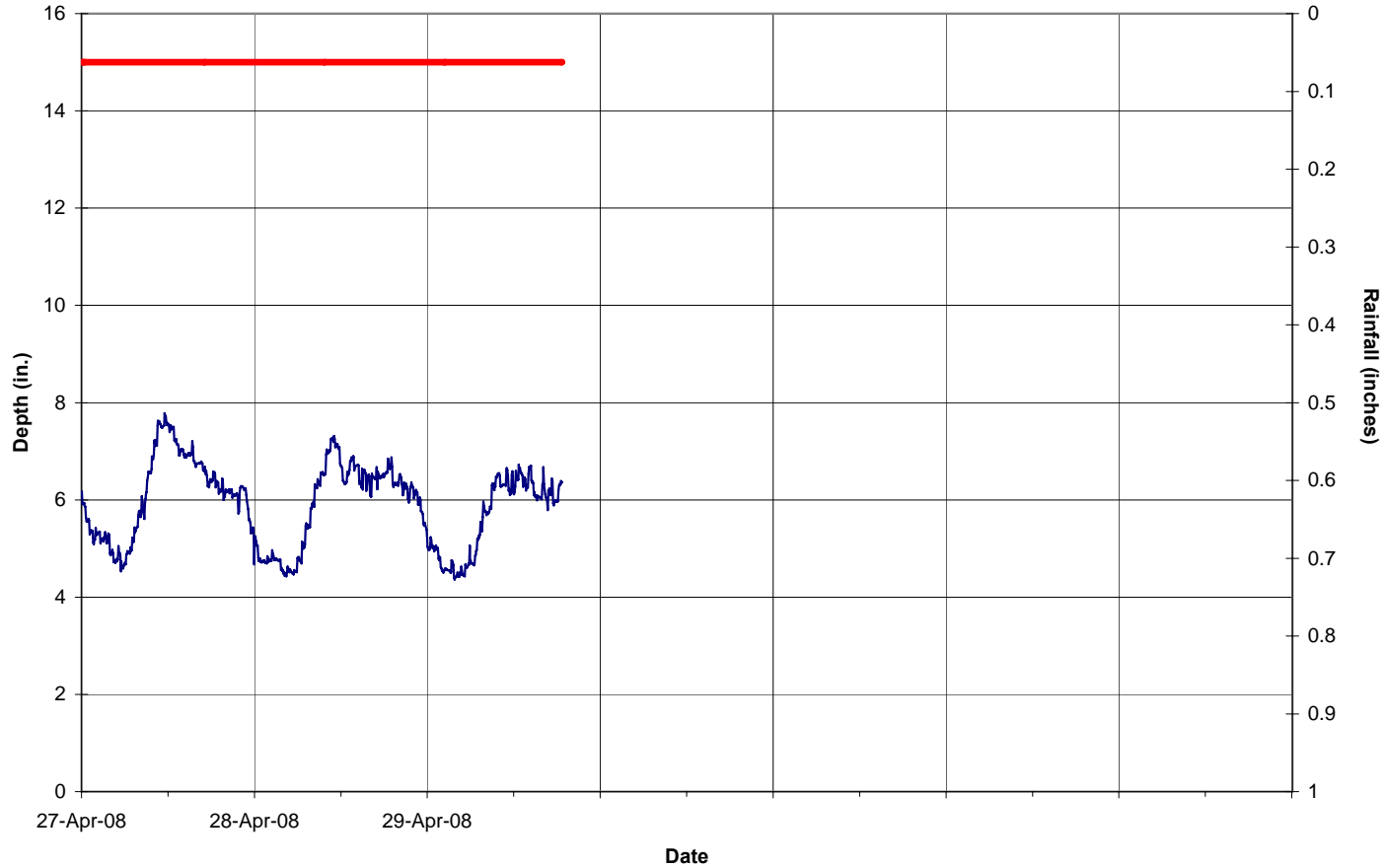
| Day | Date | Avg Flow(MGD) | Min Flow(MGD) | Max Flow(MGD) | Max Depth(in.) | Rain(in.) |
|-----------|---------|---------------|---------------|---------------|----------------|-----------|
| Sunday | 4/13/08 | 0.428 | 0.000 | 1.283 | 7.281 | 0.00 |
| Monday | 4/14/08 | 0.712 | 0.293 | 1.193 | 6.794 | 0.00 |
| Tuesday | 4/15/08 | 0.659 | 0.215 | 1.170 | 6.764 | 0.00 |
| Wednesday | 4/16/08 | 0.697 | 0.269 | 1.107 | 6.738 | 0.00 |
| Thursday | 4/17/08 | 0.725 | 0.297 | 1.144 | 6.975 | 0.00 |
| Friday | 4/18/08 | 0.760 | 0.308 | 1.212 | 7.160 | 0.00 |
| Saturday | 4/19/08 | 0.855 | 0.324 | 1.298 | 7.620 | 0.00 |
| Sunday | 4/20/08 | 0.840 | 0.375 | 1.351 | 7.508 | 0.00 |
| Monday | 4/21/08 | 0.759 | 0.321 | 1.239 | 6.929 | 0.00 |
| Tuesday | 4/22/08 | 0.720 | 0.280 | 1.098 | 6.755 | 0.00 |
| Wednesday | 4/23/08 | 0.761 | 0.307 | 1.163 | 6.866 | 0.00 |
| Thursday | 4/24/08 | 0.793 | 0.335 | 1.240 | 7.038 | 0.00 |
| Friday | 4/25/08 | 0.790 | 0.316 | 1.269 | 7.175 | 0.00 |
| Saturday | 4/26/08 | 0.880 | 0.388 | 1.402 | 7.604 | 0.00 |
| Sunday | 4/27/08 | 0.865 | 0.377 | 1.364 | 7.785 | 0.00 |
| Monday | 4/28/08 | 0.820 | 0.344 | 1.218 | 7.318 | 0.00 |

Palm Spring Sanitary Flow MH D11050 Site 7



| | 4/27/2008(Sun) | 4/28/2008(Mon) | | | | | |
|---------------|----------------|----------------|--|--|--|--|--|
| Maximum | 1.364 | 1.218 | | | | | |
| Average | 0.865 | 0.820 | | | | | |
| Minimum | 0.377 | 0.344 | | | | | |
| Rain (inches) | 0.00 | 0.00 | | | | | |

Palm Spring Sanitary Flow MH D11050 Site 7



■ Rain — Level — Pipesize

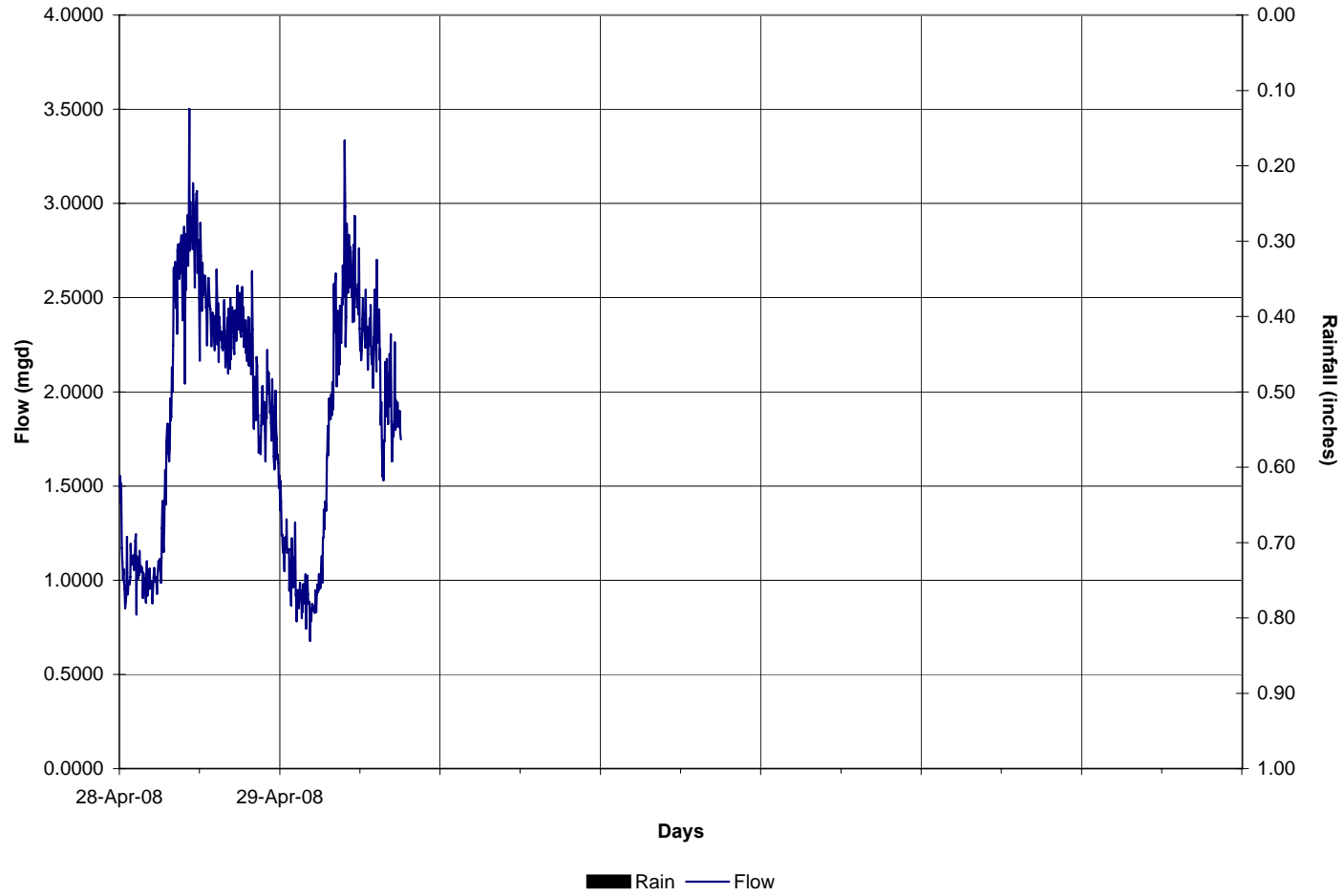
| | 4/27/2008(Sun) | 4/28/2008(Mon) | 4/29/2008(Tue) | | | | |
|---------------|----------------|----------------|----------------|--|--|--|--|
| Maximum | 7.785 | 7.318 | 6.724 | | | | |
| Average | 6.115 | 5.908 | 5.631 | | | | |
| Minimum | 4.532 | 4.441 | 6.371 | | | | |
| Rain (inches) | 0.00 | 0.00 | 0.00 | | | | |

Palm Spring Sanitary Flow MHF11005 Site 8

Daily Summary

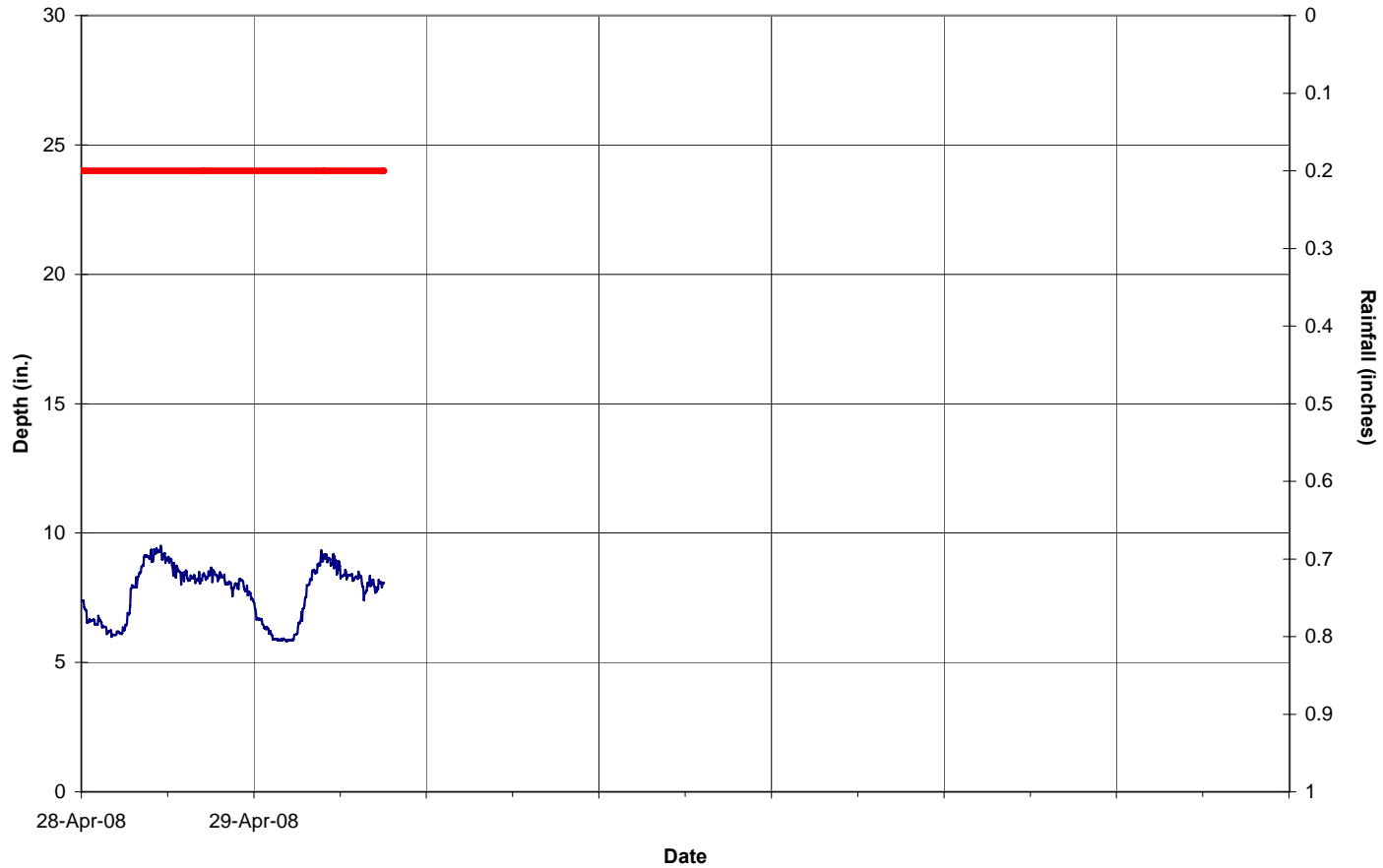
| Day | Date | Avg Flow(MGD) | Min Flow(MGD) | Max Flow(MGD) | Max Depth(in.) | Rain(in.) |
|-----------|---------|---------------|---------------|---------------|----------------|-----------|
| Monday | 4/14/08 | 0.922 | 0.000 | 2.852 | 9.481 | 0.00 |
| Tuesday | 4/15/08 | 1.777 | 0.643 | 2.930 | 9.316 | 0.00 |
| Wednesday | 4/16/08 | 1.672 | 0.628 | 2.768 | 9.254 | 0.00 |
| Thursday | 4/17/08 | 1.756 | 0.654 | 2.924 | 9.173 | 0.00 |
| Friday | 4/18/08 | 1.945 | 0.664 | 3.204 | 9.495 | 0.00 |
| Saturday | 4/19/08 | 2.138 | 0.495 | 3.389 | 9.982 | 0.00 |
| Sunday | 4/20/08 | 2.080 | 0.663 | 3.329 | 10.096 | 0.00 |
| Monday | 4/21/08 | 1.883 | 0.610 | 3.249 | 9.641 | 0.00 |
| Tuesday | 4/22/08 | 1.768 | 0.706 | 3.160 | 9.517 | 0.00 |
| Wednesday | 4/23/08 | 1.803 | 0.625 | 2.964 | 9.285 | 0.00 |
| Thursday | 4/24/08 | 1.930 | 0.700 | 3.035 | 9.347 | 0.00 |
| Friday | 4/25/08 | 2.072 | 0.764 | 3.141 | 9.484 | 0.00 |
| Saturday | 4/26/08 | 2.179 | 0.702 | 3.581 | 10.183 | 0.00 |
| Sunday | 4/27/08 | 2.113 | 0.971 | 3.573 | 10.146 | 0.00 |
| Monday | 4/28/08 | 1.945 | 0.819 | 3.502 | 9.509 | 0.00 |

Palm Spring Sanitary Flow MHF11005 Site 8



| | 4/28/2008(Mon) | | | | | | |
|---------------|----------------|--|--|--|--|--|--|
| Maximum | 3.502 | | | | | | |
| Average | 1.945 | | | | | | |
| Minimum | 0.819 | | | | | | |
| Rain (inches) | 0.00 | | | | | | |

Palm Spring Sanitary Flow MHF11005 Site 8



■ Rain — Level — Pipesize

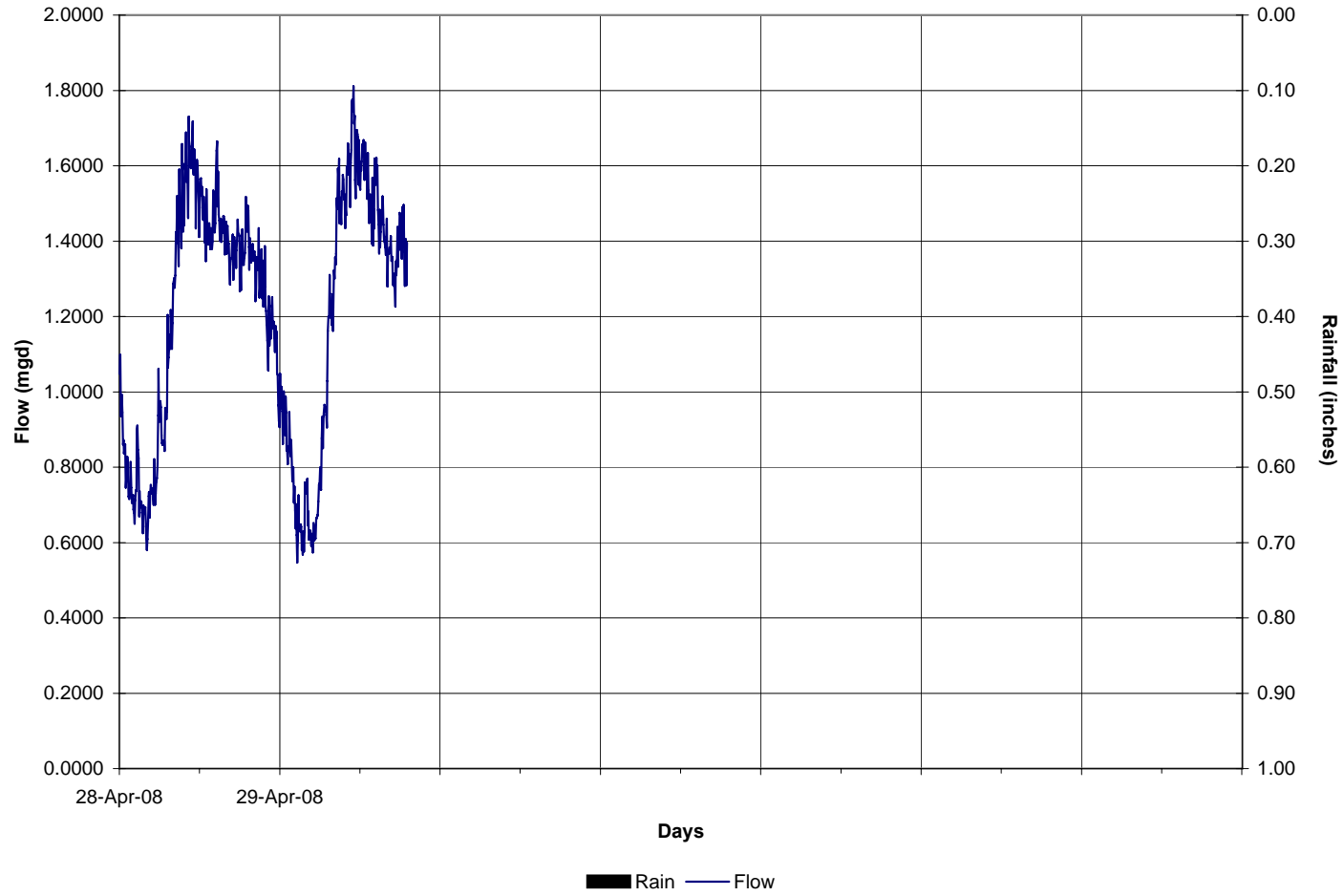
| | 4/28/2008(Mon) | 4/29/2008(Tue) | | | | | |
|---------------|----------------|----------------|--|--|--|--|--|
| Maximum | 9.509 | 9.335 | | | | | |
| Average | 7.861 | 7.535 | | | | | |
| Minimum | 5.992 | 8.079 | | | | | |
| Rain (inches) | 0.00 | 0.00 | | | | | |

Palm Spring Sanitary Flow MH G10011 Site 9

Daily Summary

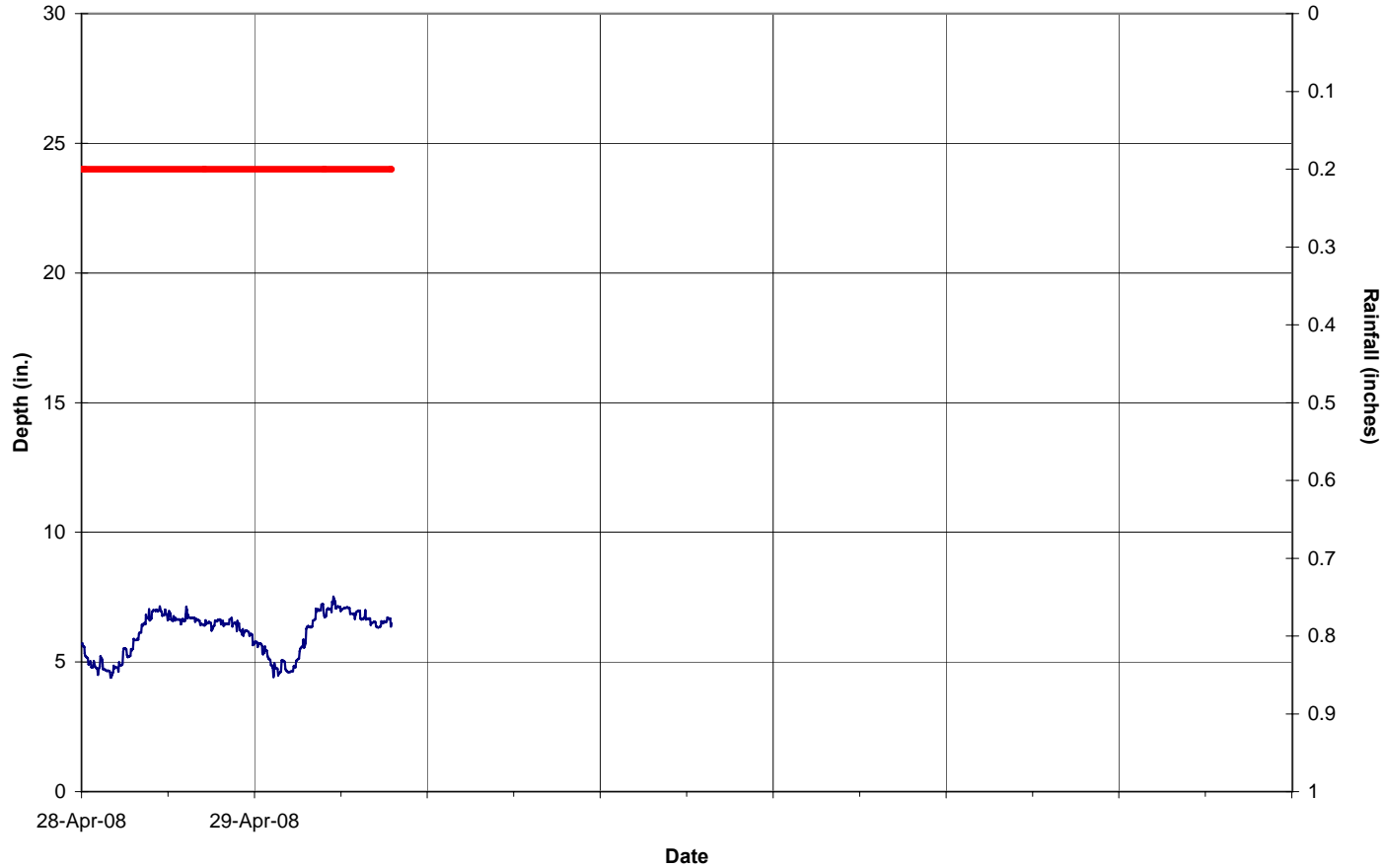
| Day | Date | Avg Flow(MGD) | Min Flow(MGD) | Max Flow(MGD) | Max Depth(in.) | Rain(in.) |
|-----------|---------|---------------|---------------|---------------|----------------|-----------|
| Monday | 4/14/08 | 0.662 | 0.000 | 1.781 | 7.473 | 0.00 |
| Tuesday | 4/15/08 | 1.151 | 0.565 | 1.666 | 7.172 | 0.00 |
| Wednesday | 4/16/08 | 1.124 | 0.517 | 1.692 | 7.082 | 0.00 |
| Thursday | 4/17/08 | 1.128 | 0.461 | 1.817 | 7.180 | 0.00 |
| Friday | 4/18/08 | 1.259 | 0.509 | 1.737 | 7.153 | 0.00 |
| Saturday | 4/19/08 | 1.381 | 0.647 | 1.920 | 7.455 | 0.00 |
| Sunday | 4/20/08 | 1.360 | 0.714 | 2.137 | 7.977 | 0.00 |
| Monday | 4/21/08 | 1.267 | 0.678 | 1.906 | 7.497 | 0.00 |
| Tuesday | 4/22/08 | 1.175 | 0.532 | 1.734 | 7.159 | 0.00 |
| Wednesday | 4/23/08 | 1.134 | 0.497 | 1.757 | 6.985 | 0.00 |
| Thursday | 4/24/08 | 1.168 | 0.520 | 1.755 | 7.268 | 0.00 |
| Friday | 4/25/08 | 1.258 | 0.533 | 1.759 | 7.163 | 0.00 |
| Saturday | 4/26/08 | 1.310 | 0.655 | 2.052 | 7.838 | 0.00 |
| Sunday | 4/27/08 | 1.233 | 0.659 | 1.912 | 7.390 | 0.00 |
| Monday | 4/28/08 | 1.207 | 0.580 | 1.731 | 7.143 | 0.00 |

Palm Spring Sanitary Flow MH G10011 Site 9



| | 4/28/2008(Mon) | | | | | | |
|---------------|----------------|--|--|--|--|--|--|
| Maximum | 1.731 | | | | | | |
| Average | 1.207 | | | | | | |
| Minimum | 0.580 | | | | | | |
| Rain (inches) | 0.00 | | | | | | |

Palm Spring Sanitary Flow MH G10011 Site 9



■ Rain — Level — Pipesize

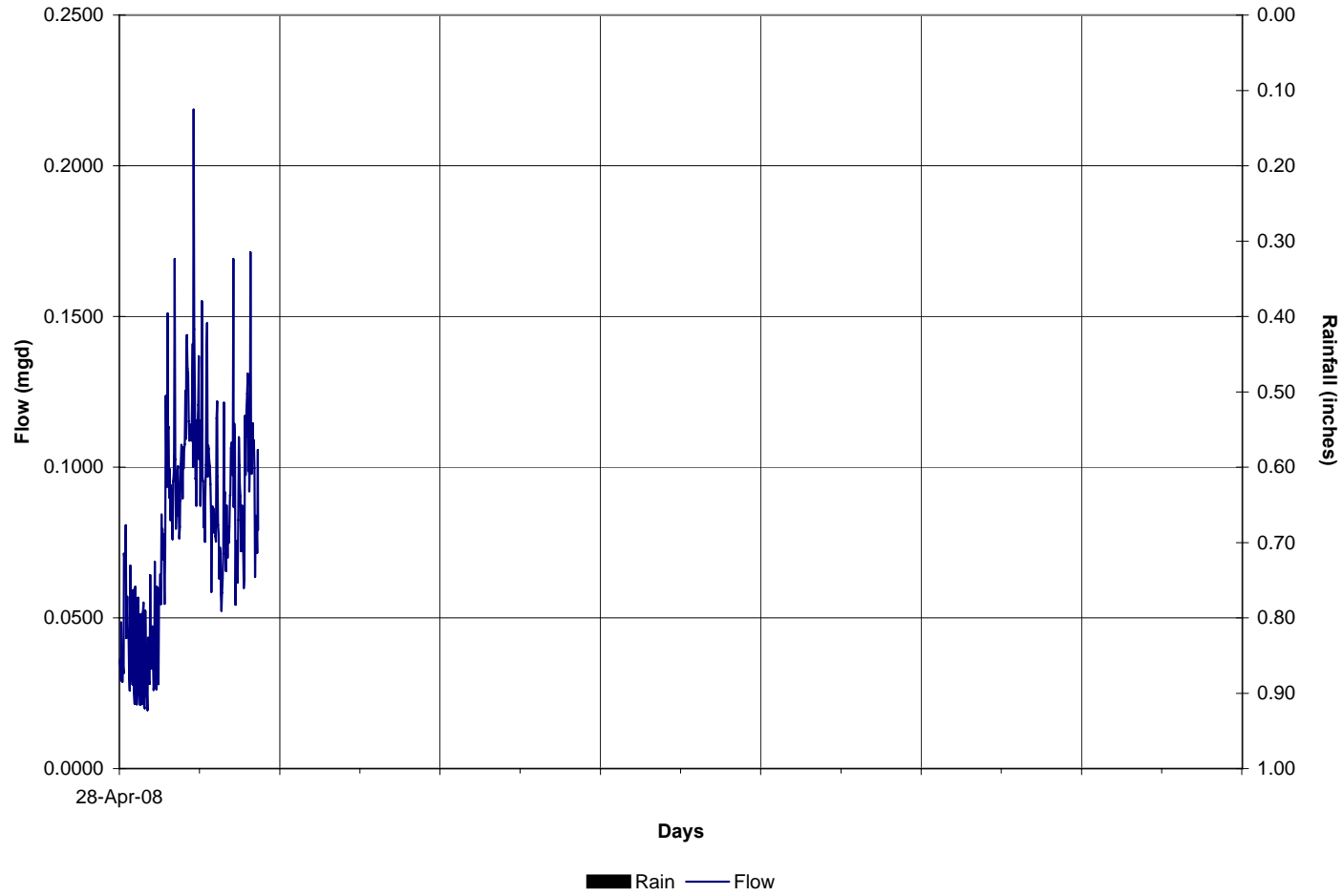
| | 4/28/2008(Mon) | 4/29/2008(Tue) | | | | | |
|---------------|----------------|----------------|--|--|--|--|--|
| Maximum | 7.143 | 7.525 | | | | | |
| Average | 6.064 | 6.159 | | | | | |
| Minimum | 4.388 | 6.503 | | | | | |
| Rain (inches) | 0.00 | 0.00 | | | | | |

Palm Spring Sanitary Flow MH H10035 Site 10

Daily Summary

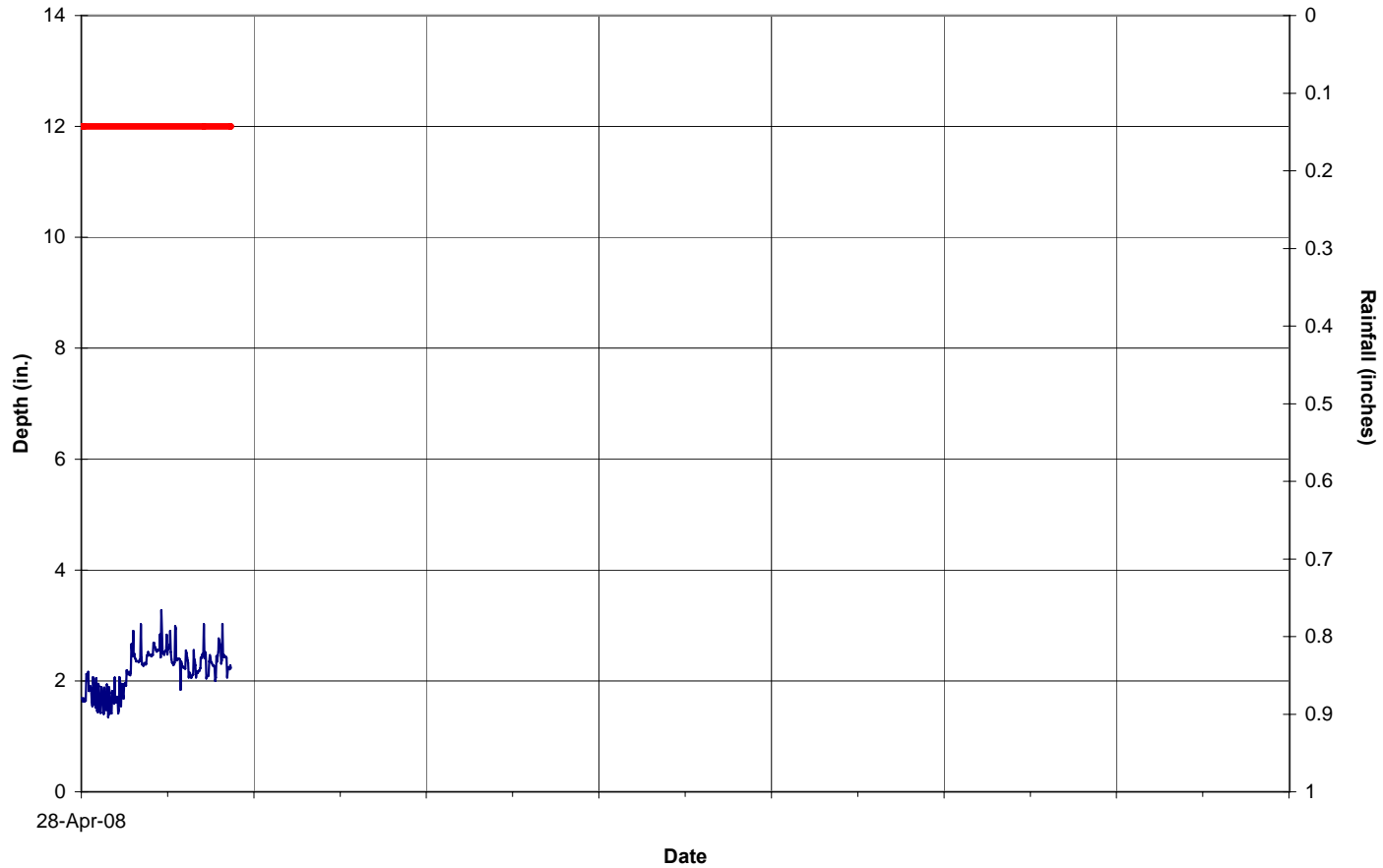
| Day | Date | Avg Flow(MGD) | Min Flow(MGD) | Max Flow(MGD) | Max Depth(in.) | Rain(in.) |
|-----------|---------|---------------|---------------|---------------|----------------|-----------|
| Monday | 4/14/08 | 0.052 | 0.000 | 0.192 | 3.408 | 0.00 |
| Tuesday | 4/15/08 | 0.076 | 0.010 | 0.194 | 3.302 | 0.00 |
| Wednesday | 4/16/08 | 0.070 | 0.014 | 0.241 | 3.496 | 0.00 |
| Thursday | 4/17/08 | 0.069 | 0.016 | 0.236 | 3.447 | 0.00 |
| Friday | 4/18/08 | 0.080 | 0.017 | 0.335 | 3.995 | 0.00 |
| Saturday | 4/19/08 | 0.065 | 0.019 | 0.185 | 3.141 | 0.00 |
| Sunday | 4/20/08 | 0.061 | 0.010 | 0.245 | 3.508 | 0.00 |
| Monday | 4/21/08 | 0.071 | 0.012 | 0.260 | 3.470 | 0.00 |
| Tuesday | 4/22/08 | 0.072 | 0.013 | 0.243 | 3.454 | 0.00 |
| Wednesday | 4/23/08 | 0.074 | 0.011 | 0.177 | 3.030 | 0.00 |
| Thursday | 4/24/08 | 0.075 | 0.014 | 0.224 | 3.437 | 0.00 |
| Friday | 4/25/08 | 0.075 | 0.021 | 0.240 | 3.503 | 0.00 |
| Saturday | 4/26/08 | 0.069 | 0.015 | 0.216 | 3.378 | 0.00 |
| Sunday | 4/27/08 | 0.064 | 0.015 | 0.209 | 3.475 | 0.00 |

Palm Spring Sanitary Flow MH H10035 Site 10



| | | | | | | | |
|---------------|--|--|--|--|--|--|--|
| Maximum | | | | | | | |
| Average | | | | | | | |
| Minimum | | | | | | | |
| Rain (inches) | | | | | | | |

Palm Spring Sanitary Flow MH H10035 Site 10



■ Rain — Level — Pipesize

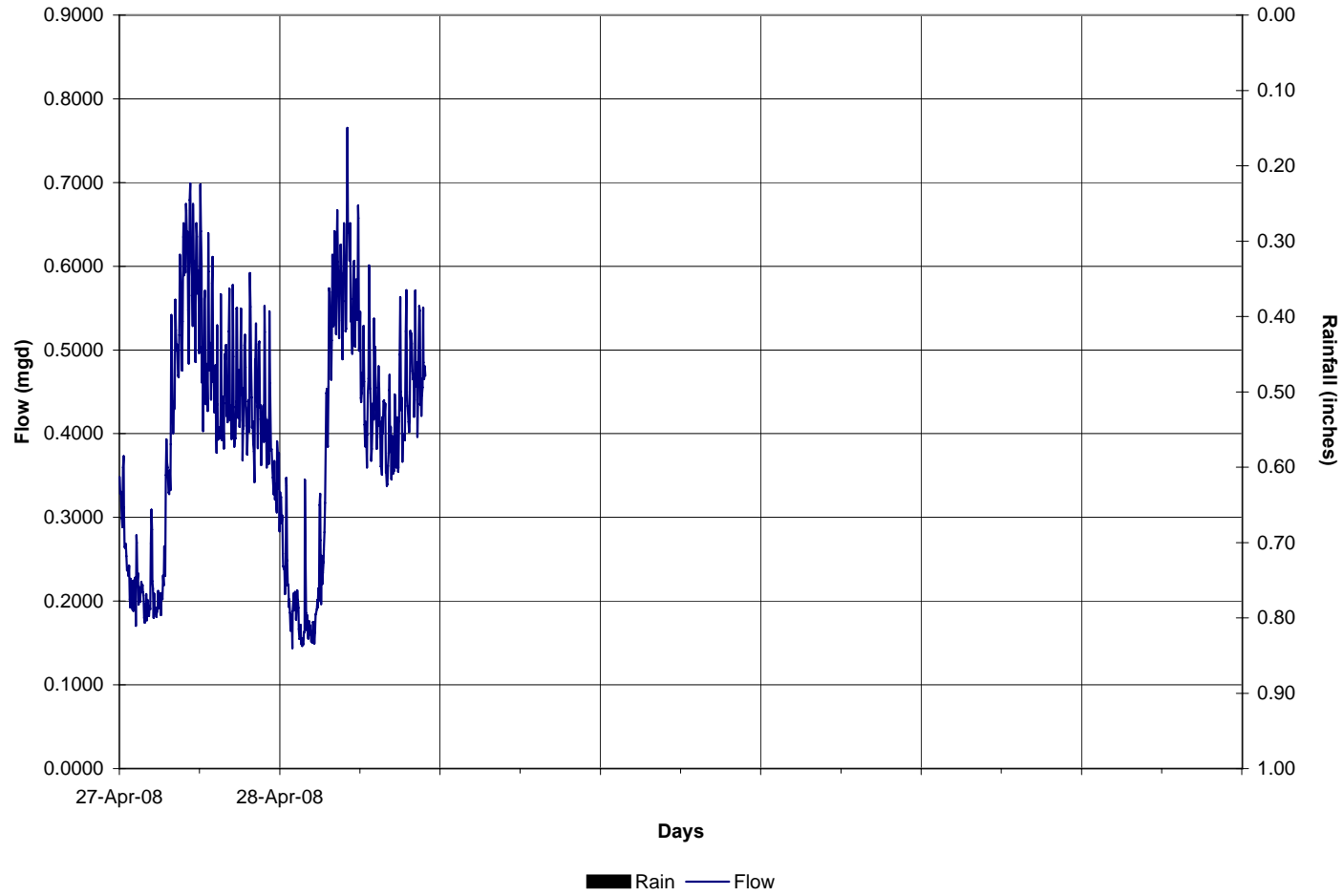
| | 4/28/2008(Mon) | | | | | | |
|---------------|----------------|--|--|--|--|--|--|
| Maximum | 3.277 | | | | | | |
| Average | 2.194 | | | | | | |
| Minimum | 2.232 | | | | | | |
| Rain (inches) | 0.00 | | | | | | |

Palm Spring Sanitary Flow MH H12001 Site 11

Daily Summary

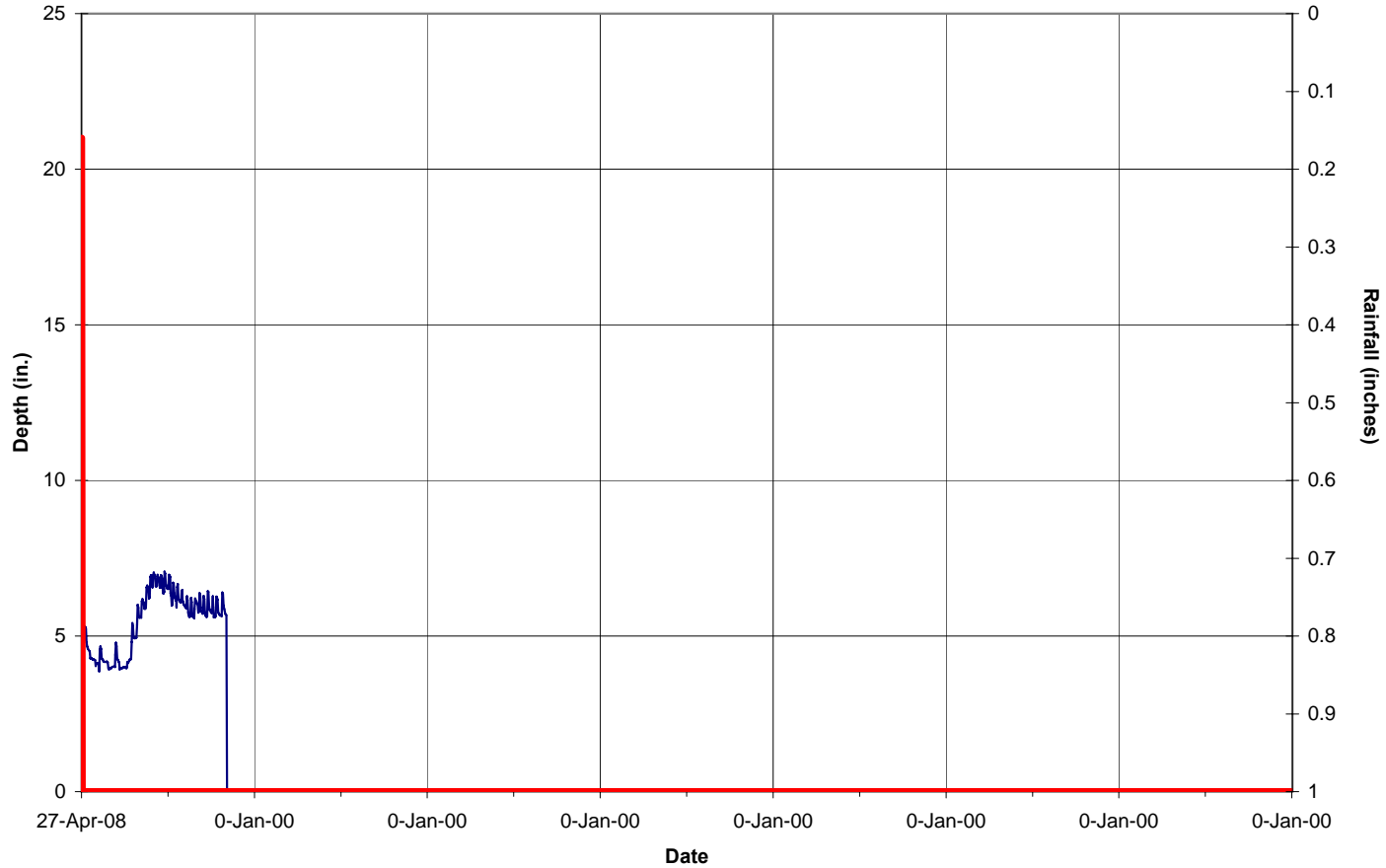
| Day | Date | Avg Flow(MGD) | Min Flow(MGD) | Max Flow(MGD) | Max Depth(in.) | Rain(in.) |
|-----------|---------|---------------|---------------|---------------|----------------|-----------|
| Sunday | 4/13/08 | 0.149 | 0.000 | 0.564 | 6.219 | 0.00 |
| Monday | 4/14/08 | 0.362 | 0.116 | 0.761 | 7.089 | 0.00 |
| Tuesday | 4/15/08 | 0.346 | 0.117 | 0.674 | 6.625 | 0.00 |
| Wednesday | 4/16/08 | 0.348 | 0.125 | 0.728 | 6.864 | 0.00 |
| Thursday | 4/17/08 | 0.341 | 0.119 | 0.661 | 6.724 | 0.00 |
| Friday | 4/18/08 | 0.345 | 0.117 | 0.696 | 7.021 | 0.00 |
| Saturday | 4/19/08 | 0.366 | 0.104 | 0.752 | 7.133 | 0.00 |
| Sunday | 4/20/08 | 0.370 | 0.130 | 0.724 | 7.521 | 0.00 |
| Monday | 4/21/08 | 0.366 | 0.122 | 0.712 | 6.734 | 0.00 |
| Tuesday | 4/22/08 | 0.377 | 0.173 | 0.631 | 6.570 | 0.00 |
| Wednesday | 4/23/08 | 0.351 | 0.110 | 0.650 | 6.847 | 0.00 |
| Thursday | 4/24/08 | 0.349 | 0.137 | 0.687 | 6.855 | 0.00 |
| Friday | 4/25/08 | 0.362 | 0.142 | 0.681 | 6.768 | 0.00 |
| Saturday | 4/26/08 | 0.391 | 0.155 | 0.762 | 7.178 | 0.00 |
| Sunday | 4/27/08 | 0.400 | 0.171 | 0.699 | 7.066 | 0.00 |

Palm Spring Sanitary Flow MH H12001 Site 11



| | 4/27/2008(Sun) | | | | | | |
|---------------|----------------|--|--|--|--|--|--|
| Maximum | 0.699 | | | | | | |
| Average | 0.400 | | | | | | |
| Minimum | 0.171 | | | | | | |
| Rain (inches) | 0.00 | | | | | | |

Palm Spring Sanitary Flow MH H12001 Site 11



■ Rain — Level — Pipesize

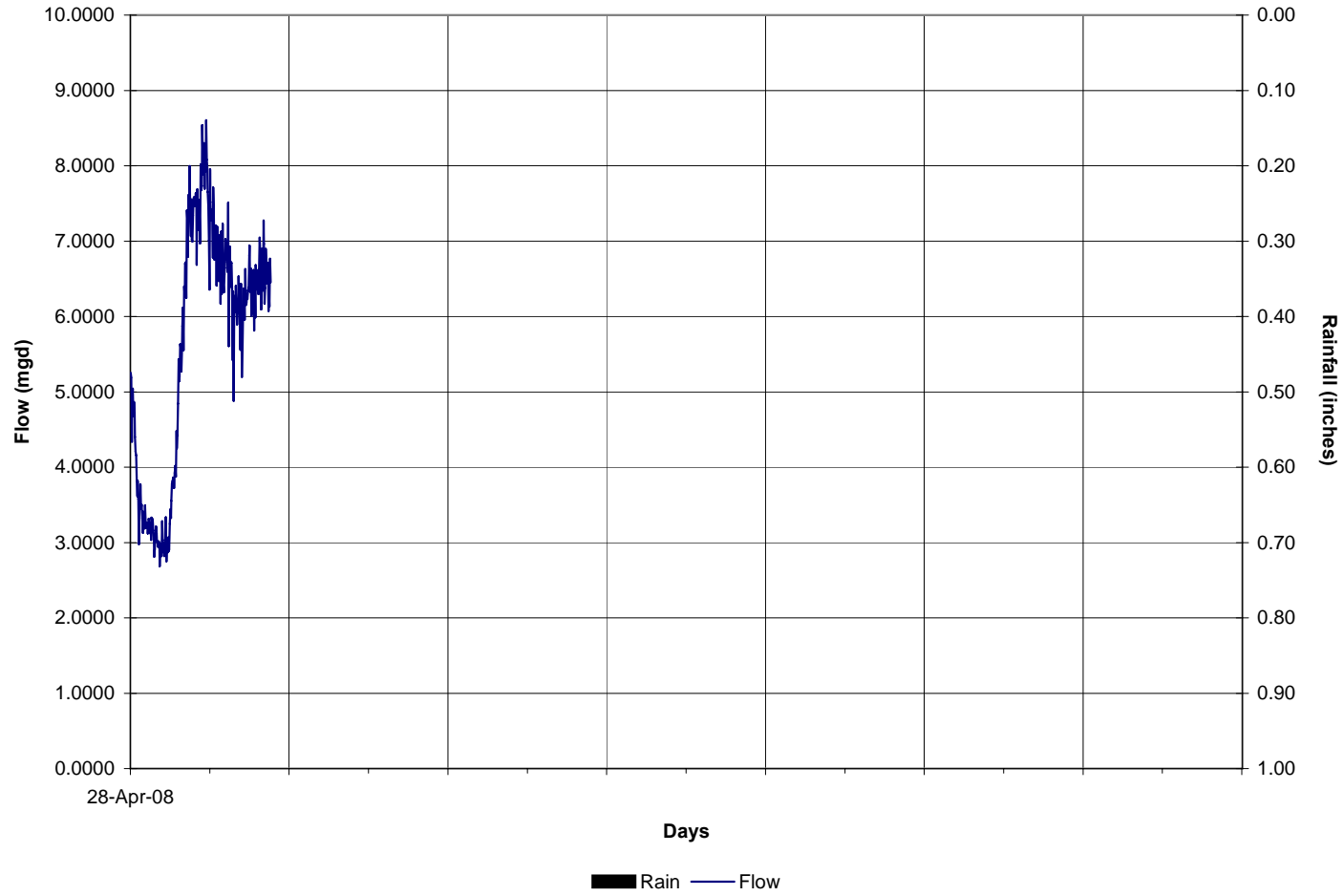
| | 4/27/2008(Sun) | 4/28/2008(Mon) | | | | | |
|---------------|----------------|----------------|--|--|--|--|--|
| Maximum | 7.066 | 7.090 | | | | | |
| Average | 5.490 | 5.518 | | | | | |
| Minimum | 3.923 | 6.006 | | | | | |
| Rain (inches) | 0.00 | 0.00 | | | | | |

Palm Spring Sanitary Flow MH J11065 Site 12

Daily Summary

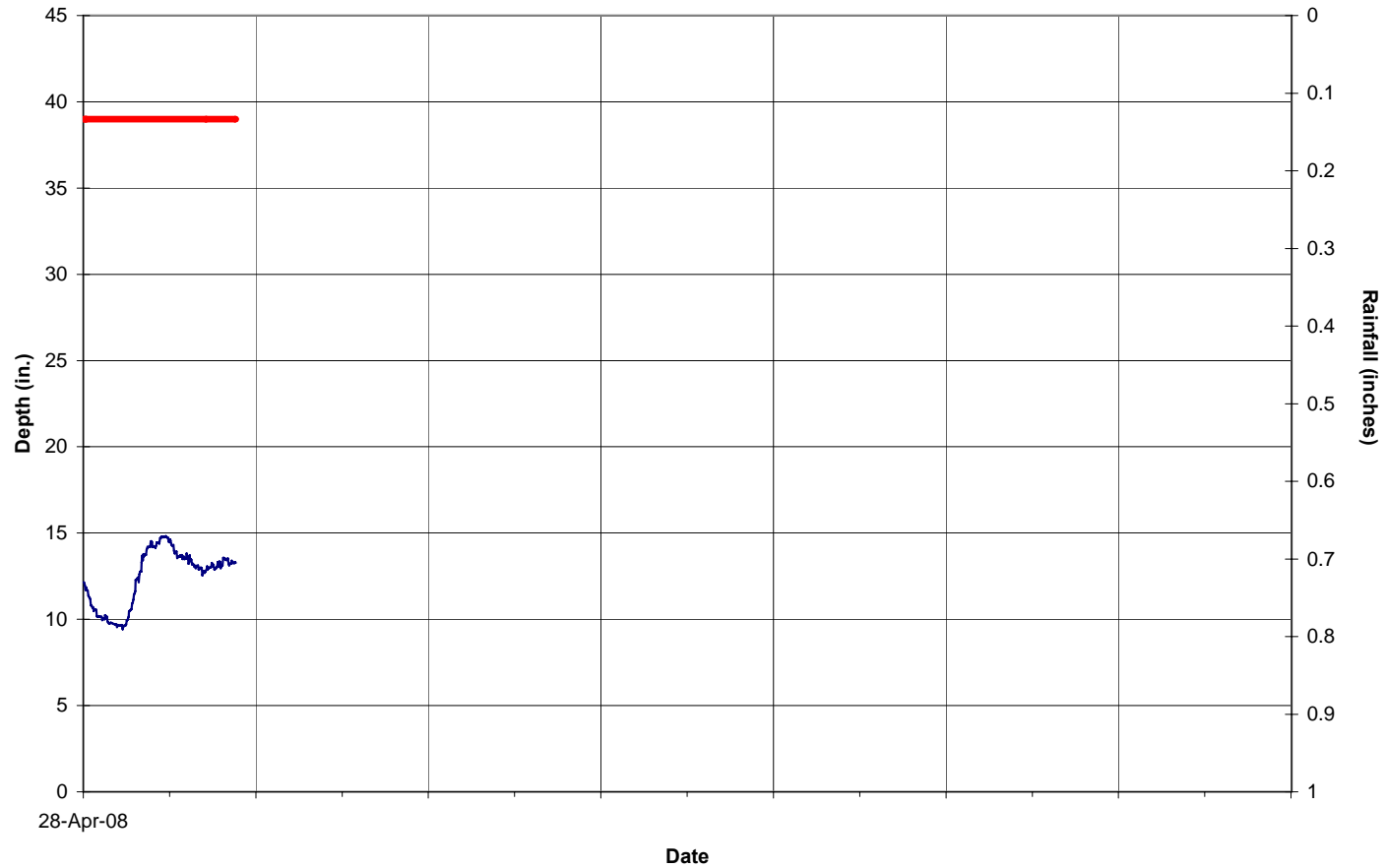
| Day | Date | Avg Flow(MGD) | Min Flow(MGD) | Max Flow(MGD) | Max Depth(in.) | Rain(in.) |
|-----------|---------|---------------|---------------|---------------|----------------|-----------|
| Monday | 4/14/08 | 4.245 | 0.000 | 8.286 | 14.795 | 0.00 |
| Tuesday | 4/15/08 | 5.338 | 2.441 | 7.751 | 14.251 | 0.00 |
| Wednesday | 4/16/08 | 5.351 | 2.345 | 7.800 | 14.172 | 0.00 |
| Thursday | 4/17/08 | 5.420 | 2.238 | 8.014 | 14.634 | 0.00 |
| Friday | 4/18/08 | 5.805 | 2.256 | 9.001 | 15.086 | 0.00 |
| Saturday | 4/19/08 | 5.967 | 2.509 | 9.612 | 15.352 | 0.00 |
| Sunday | 4/20/08 | 5.993 | 2.589 | 10.568 | 15.678 | 0.00 |
| Monday | 4/21/08 | 5.533 | 2.322 | 8.941 | 14.652 | 0.00 |
| Tuesday | 4/22/08 | 5.308 | 2.321 | 7.747 | 14.308 | 0.00 |
| Wednesday | 4/23/08 | 5.241 | 2.216 | 8.021 | 14.253 | 0.00 |
| Thursday | 4/24/08 | 5.473 | 2.556 | 8.204 | 14.330 | 0.00 |
| Friday | 4/25/08 | 5.682 | 2.673 | 8.295 | 14.538 | 0.00 |
| Saturday | 4/26/08 | 6.016 | 2.604 | 9.424 | 15.588 | 0.00 |
| Sunday | 4/27/08 | 5.984 | 2.791 | 9.681 | 16.016 | 0.00 |

Palm Spring Sanitary Flow MH J11065 Site 12



| | | | | | | | |
|---------------|--|--|--|--|--|--|--|
| Maximum | | | | | | | |
| Average | | | | | | | |
| Minimum | | | | | | | |
| Rain (inches) | | | | | | | |

Palm Spring Sanitary Flow MH J11065 Site 12



■ Rain — Level — Pipesize

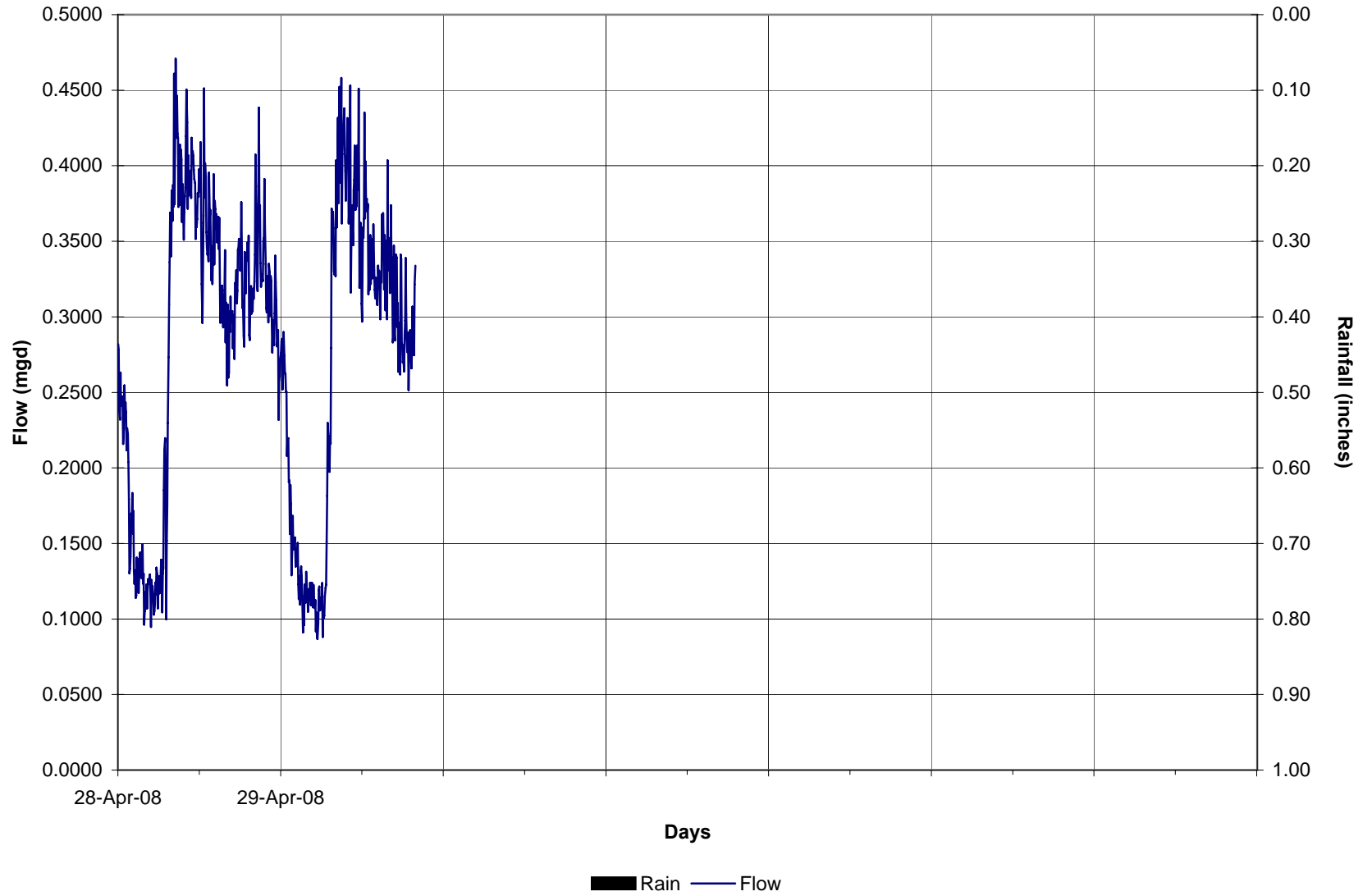
| | 4/28/2008(Mon) | | | | | | |
|---------------|----------------|--|--|--|--|--|--|
| Maximum | 14.821 | | | | | | |
| Average | 12.460 | | | | | | |
| Minimum | 13.269 | | | | | | |
| Rain (inches) | 0.00 | | | | | | |

Palm Spring Sanitary Flow MH K11011 Site 13

Daily Summary

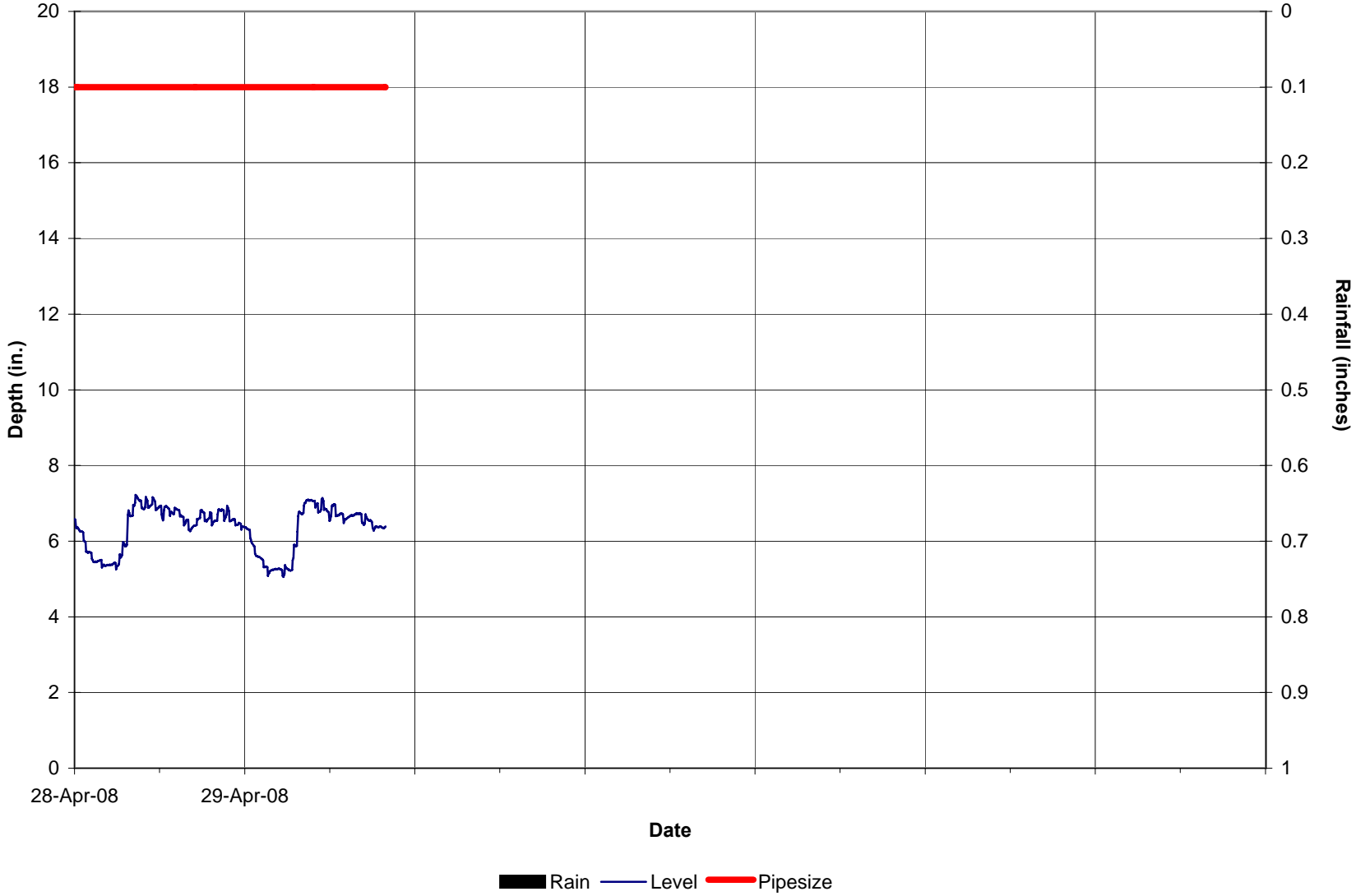
| Day | Date | Avg Flow(MGD) | Min Flow(MGD) | Max Flow(MGD) | Max Depth(in.) | Rain(in.) |
|-----------|---------|---------------|---------------|---------------|----------------|-----------|
| Monday | 4/14/08 | 0.174 | 0.000 | 0.402 | 7.200 | 0.00 |
| Tuesday | 4/15/08 | 0.253 | 0.072 | 0.429 | 7.221 | 0.00 |
| Wednesday | 4/16/08 | 0.267 | 0.081 | 0.484 | 7.262 | 0.00 |
| Thursday | 4/17/08 | 0.261 | 0.092 | 0.427 | 7.089 | 0.00 |
| Friday | 4/18/08 | 0.277 | 0.082 | 0.456 | 7.331 | 0.00 |
| Saturday | 4/19/08 | 0.277 | 0.108 | 0.473 | 7.336 | 0.00 |
| Sunday | 4/20/08 | 0.289 | 0.132 | 0.473 | 7.505 | 0.00 |
| Monday | 4/21/08 | 0.285 | 0.098 | 0.496 | 7.497 | 0.00 |
| Tuesday | 4/22/08 | 0.284 | 0.101 | 0.445 | 7.502 | 0.00 |
| Wednesday | 4/23/08 | 0.280 | 0.110 | 0.436 | 7.385 | 0.00 |
| Thursday | 4/24/08 | 0.275 | 0.095 | 0.462 | 7.498 | 0.00 |
| Friday | 4/25/08 | 0.271 | 0.096 | 0.468 | 7.589 | 0.00 |
| Saturday | 4/26/08 | 0.287 | 0.116 | 0.476 | 7.565 | 0.00 |
| Sunday | 4/27/08 | 0.264 | 0.092 | 0.450 | 7.549 | 0.00 |
| Monday | 4/28/08 | 0.287 | 0.095 | 0.471 | 7.220 | 0.00 |

Palm Spring Sanitary Flow MH K11011 Site 13



| | | | | | | | |
|---------------|----------------|--|--|--|--|--|--|
| | 4/28/2008(Mon) | | | | | | |
| Maximum | 0.471 | | | | | | |
| Average | 0.287 | | | | | | |
| Minimum | 0.095 | | | | | | |
| Rain (inches) | 0.00 | | | | | | |

Palm Spring Sanitary Flow MH K11011 Site 13



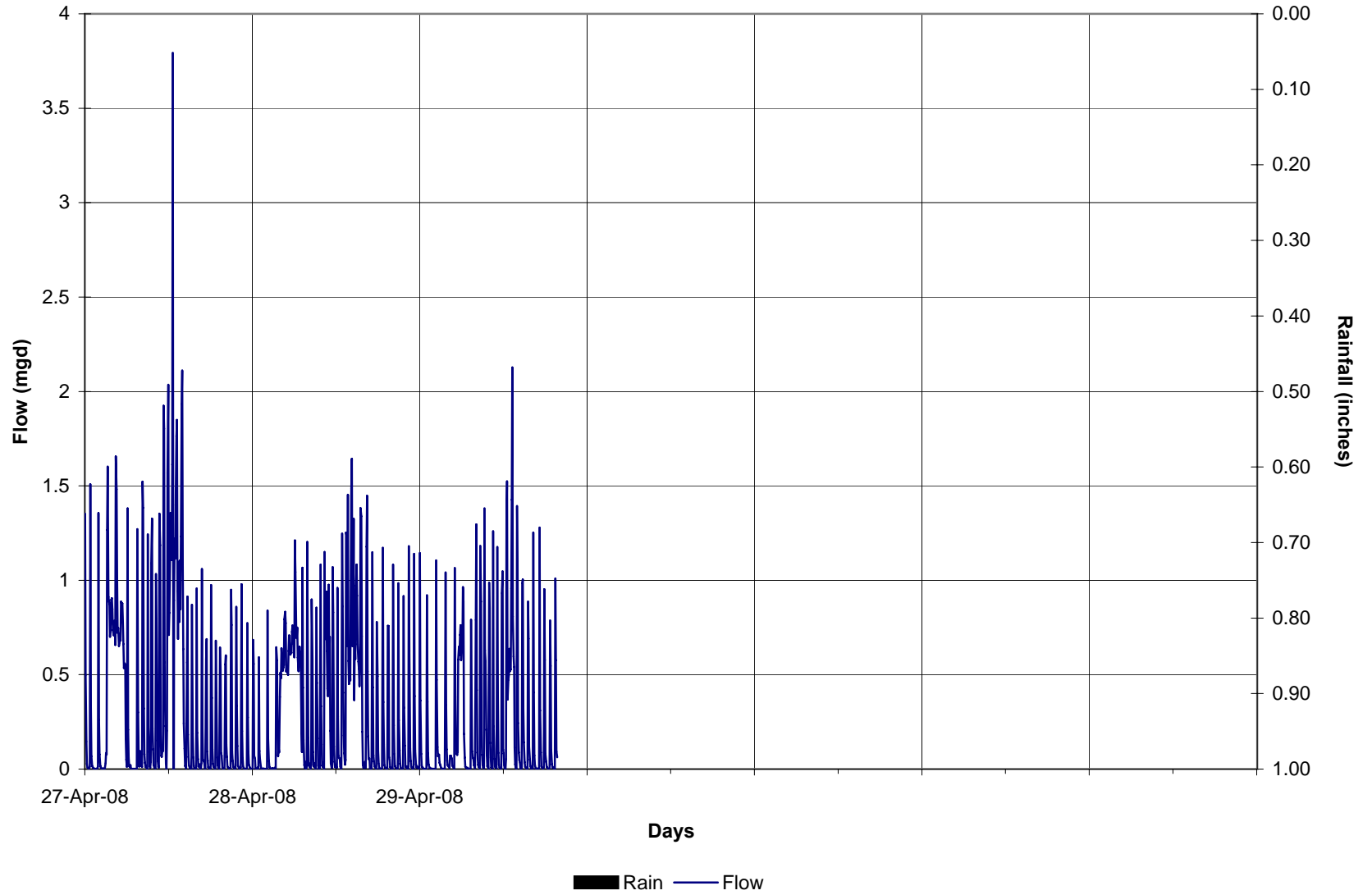
| | 4/28/2008(Mon) | 4/29/2008(Tue) | | | | | |
|---------------|----------------|----------------|--|--|--|--|--|
| Maximum | 7.220 | 7.136 | | | | | |
| Average | 6.393 | 6.264 | | | | | |
| Minimum | 5.254 | 6.389 | | | | | |
| Rain (inches) | 0.00 | 0.00 | | | | | |

Palm Spring Sanitary Flow MH J12021 Site 14

Daily Summary

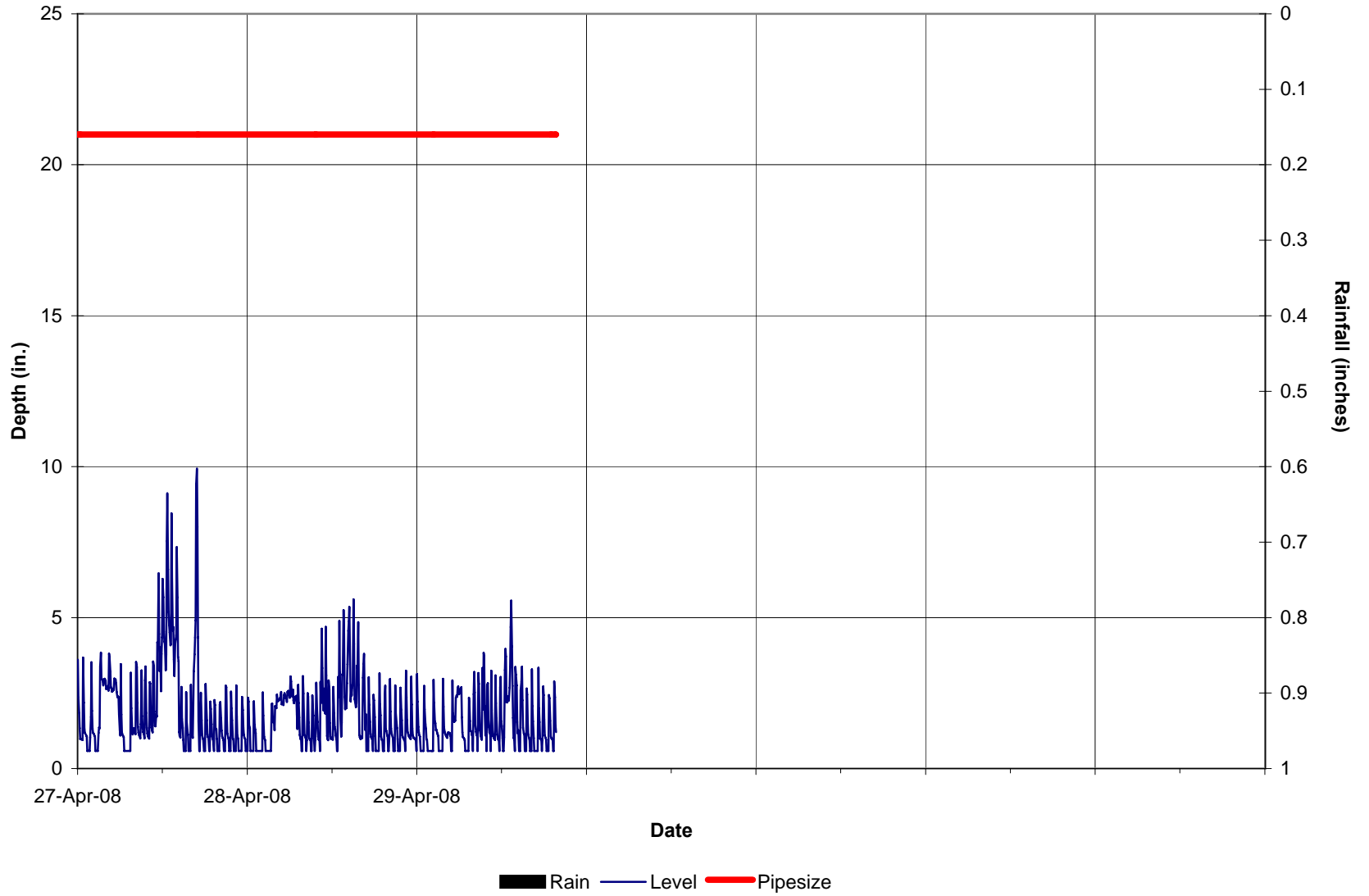
| Day | Date | Avg Flow(MGD) | Min Flow(MGD) | Max Flow(MGD) | Max Depth(in.) | Rain(in.) |
|-----------|---------|---------------|---------------|---------------|----------------|-----------|
| Sunday | 4/13/08 | 0.061 | 0.000 | 1.594 | 3.836 | 0.00 |
| Monday | 4/14/08 | 0.194 | 0.001 | 1.618 | 5.067 | 0.00 |
| Tuesday | 4/15/08 | 0.176 | 0.000 | 1.353 | 5.370 | 0.00 |
| Wednesday | 4/16/08 | 0.194 | 0.000 | 1.441 | 4.256 | 0.00 |
| Thursday | 4/17/08 | 0.291 | 0.000 | 1.898 | 5.612 | 0.00 |
| Friday | 4/18/08 | 0.262 | 0.000 | 2.546 | 10.837 | 0.00 |
| Saturday | 4/19/08 | 0.293 | 0.000 | 1.884 | 5.673 | 0.00 |
| Sunday | 4/20/08 | 0.224 | 0.000 | 1.757 | 5.392 | 0.00 |
| Monday | 4/21/08 | 0.312 | 0.000 | 2.271 | 6.576 | 0.00 |
| Tuesday | 4/22/08 | 0.450 | 0.000 | 2.241 | 15.666 | 0.00 |
| Wednesday | 4/23/08 | 0.277 | 0.000 | 1.957 | 4.951 | 0.00 |
| Thursday | 4/24/08 | 0.355 | -0.008 | 2.131 | 5.974 | 0.00 |
| Friday | 4/25/08 | 0.335 | 0.000 | 1.792 | 6.230 | 0.00 |
| Saturday | 4/26/08 | 0.384 | 0.000 | 3.895 | 8.977 | 0.00 |
| Sunday | 4/27/08 | 0.374 | -1.300 | 3.793 | 9.930 | 0.00 |
| Monday | 4/28/08 | 0.327 | 0.000 | 1.643 | 5.603 | 0.00 |

Palm Spring Sanitary Flow MH J12021 Site 14



| | 4/27/2008(Sun) | 4/28/2008(Mon) | | | | | |
|---------------|----------------|----------------|--|--|--|--|--|
| Maximum | 3.793 | 1.643 | | | | | |
| Average | 0.374 | 0.327 | | | | | |
| Minimum | -1.300 | 0.000 | | | | | |
| Rain (inches) | 0.00 | 0.00 | | | | | |

Palm Spring Sanitary Flow MH J12021 Site 14



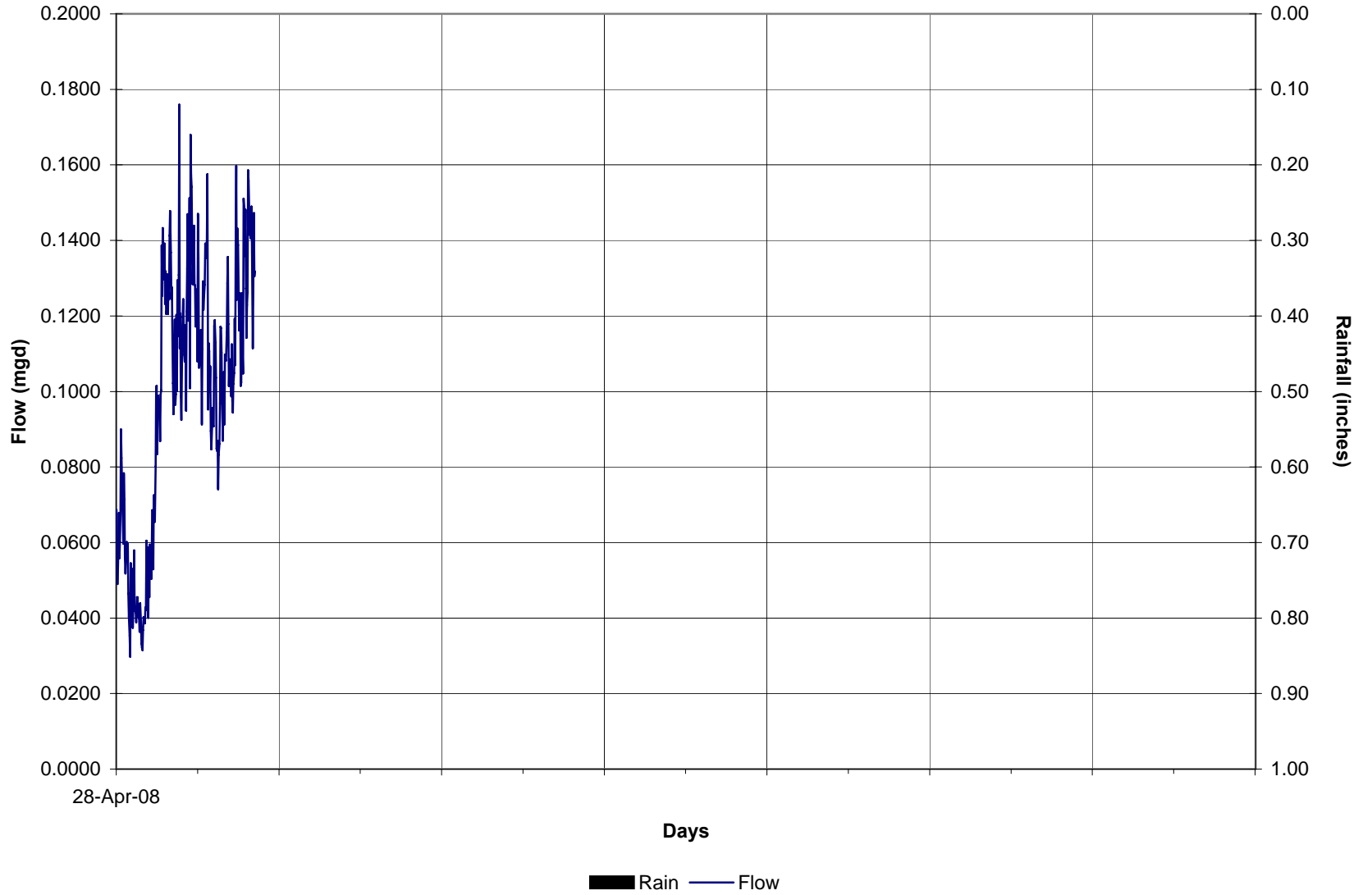
| | 4/27/2008(Sun) | 4/28/2008(Mon) | 4/29/2008(Tue) | | | | |
|---------------|----------------|----------------|----------------|--|--|--|--|
| Maximum | 9.930 | 5.603 | 5.563 | | | | |
| Average | 2.077 | 1.710 | 1.527 | | | | |
| Minimum | 0.582 | 0.582 | 1.208 | | | | |
| Rain (inches) | 0.00 | 0.00 | 0.00 | | | | |

Palm Spring Sanitary Flow MH G09117 A Site 15

Daily Summary

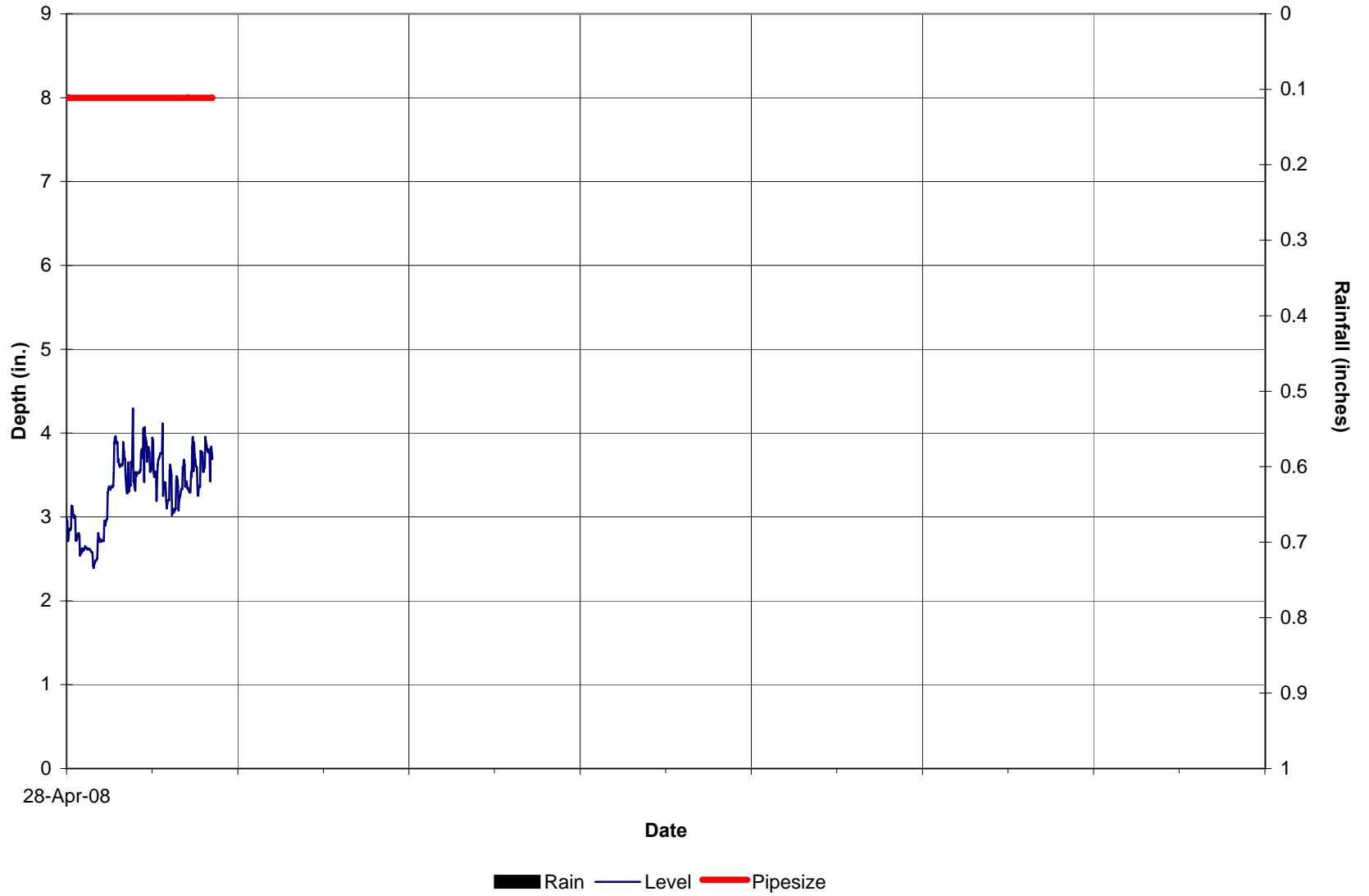
| Day | Date | Avg Flow(MGD) | Min Flow(MGD) | Max Flow(MGD) | Max Depth(in.) | Rain(in.) |
|-----------|---------|---------------|---------------|---------------|----------------|-----------|
| Monday | 4/14/08 | 0.044 | 0.000 | 0.168 | 4.232 | 0.00 |
| Tuesday | 4/15/08 | 0.071 | 0.013 | 0.142 | 3.617 | 0.00 |
| Wednesday | 4/16/08 | 0.071 | 0.018 | 0.138 | 3.879 | 0.00 |
| Thursday | 4/17/08 | 0.071 | 0.017 | 0.152 | 4.125 | 0.00 |
| Friday | 4/18/08 | 0.085 | 0.017 | 0.165 | 4.091 | 0.00 |
| Saturday | 4/19/08 | 0.082 | 0.033 | 0.161 | 4.115 | 0.00 |
| Sunday | 4/20/08 | 0.075 | 0.008 | 0.157 | 3.845 | 0.00 |
| Monday | 4/21/08 | 0.074 | 0.016 | 0.142 | 3.455 | 0.00 |
| Tuesday | 4/22/08 | 0.076 | 0.018 | 0.150 | 3.570 | 0.00 |
| Wednesday | 4/23/08 | 0.078 | 0.023 | 0.138 | 3.496 | 0.00 |
| Thursday | 4/24/08 | 0.072 | 0.019 | 0.147 | 3.592 | 0.00 |
| Friday | 4/25/08 | 0.073 | 0.004 | 0.136 | 3.557 | 0.00 |
| Saturday | 4/26/08 | 0.085 | 0.022 | 0.156 | 3.784 | 0.00 |
| Sunday | 4/27/08 | 0.096 | 0.031 | 0.196 | 4.307 | 0.00 |

Palm Spring Sanitary Flow MH G09117 A Site 15



| | | | | | | | |
|---------------|--|--|--|--|--|--|--|
| Maximum | | | | | | | |
| Average | | | | | | | |
| Minimum | | | | | | | |
| Rain (inches) | | | | | | | |

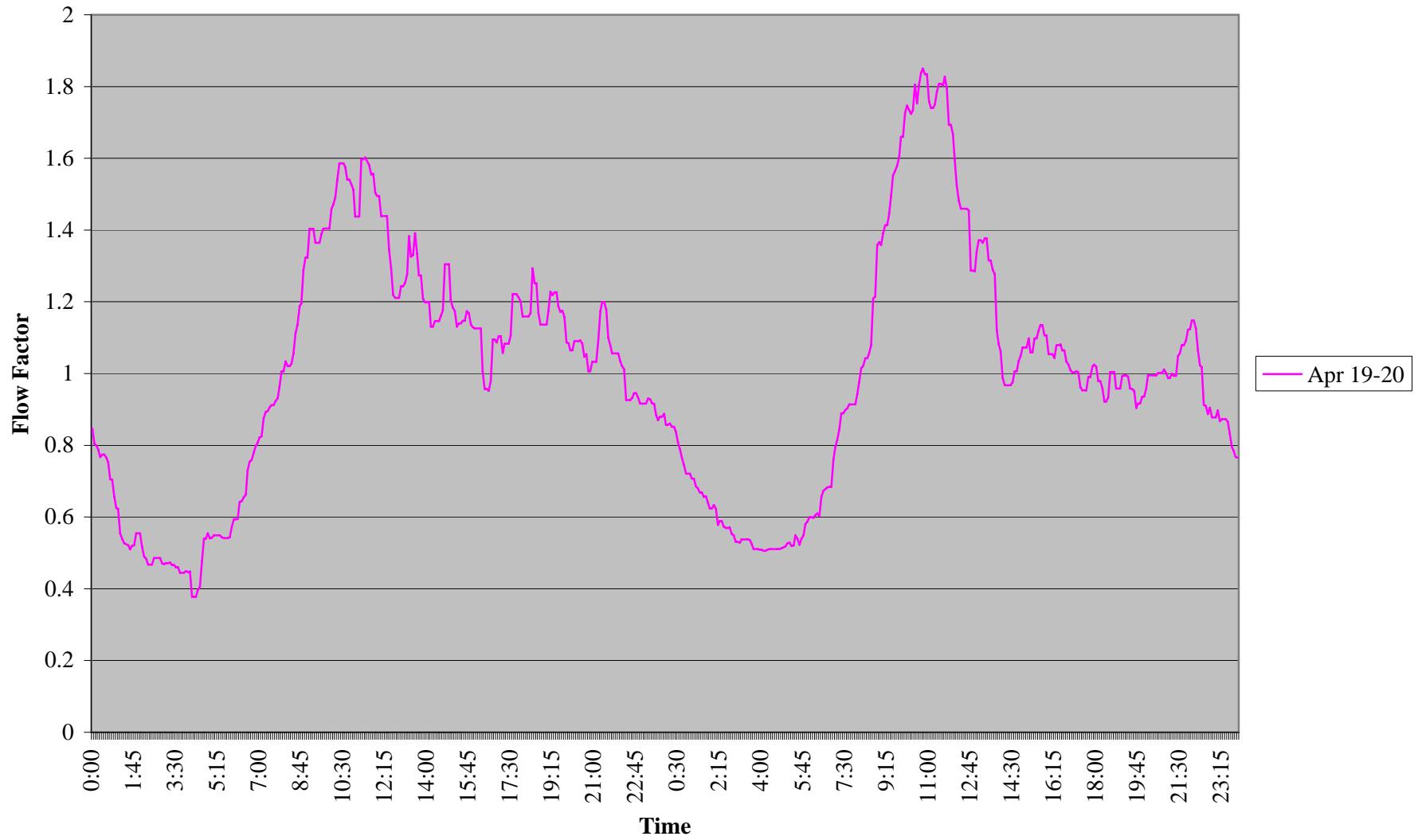
Palm Spring Sanitary Flow MH G09117 A Site 15



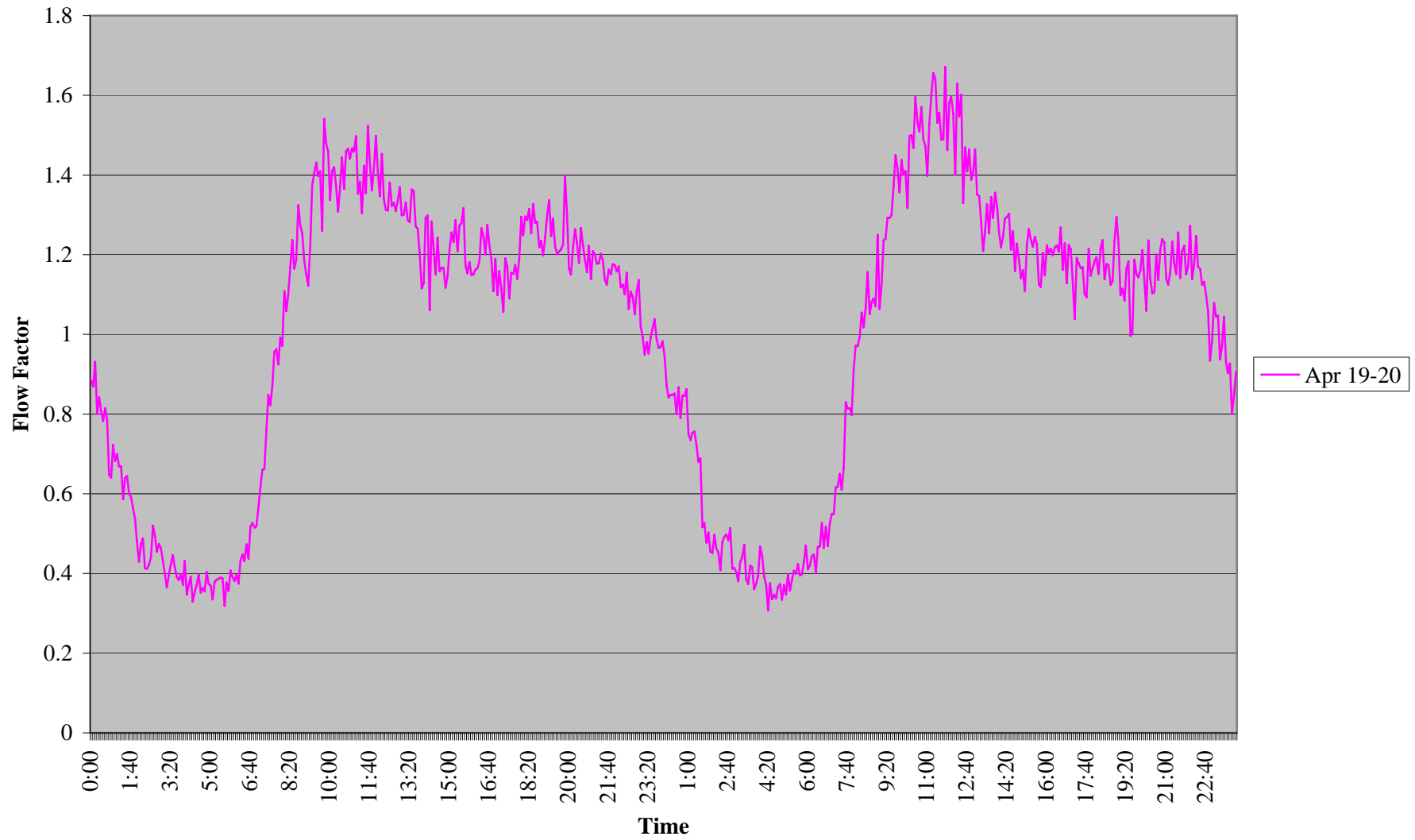
| | | | | | | |
|---------------|----------------|--|--|--|--|--|
| | 4/28/2008(Mon) | | | | | |
| Maximum | 4.292 | | | | | |
| Average | 3.318 | | | | | |
| Minimum | 3.688 | | | | | |
| Rain (inches) | 0.00 | | | | | |

APPENDIX B
DIURNAL CURVES

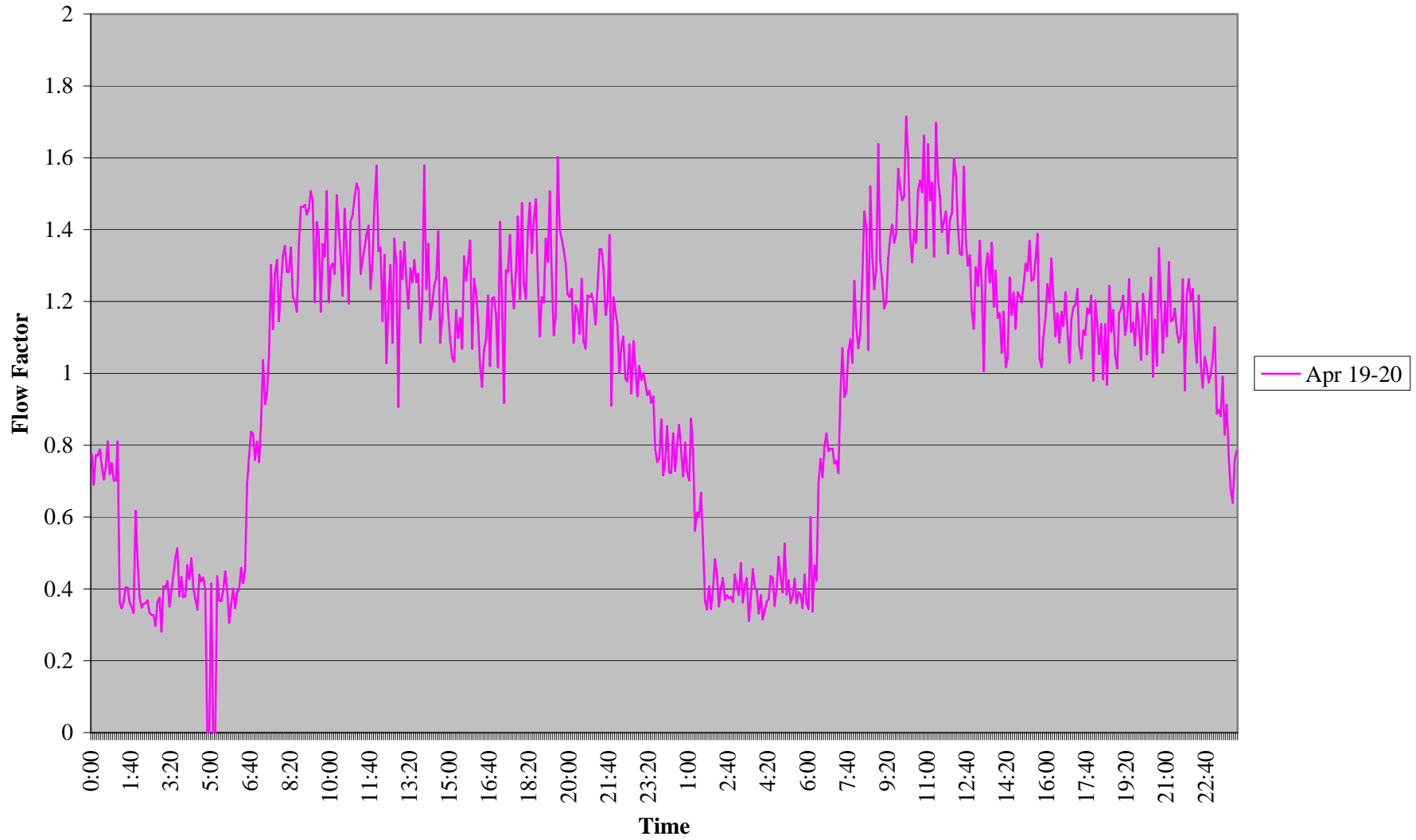
Diurnal Curve - Basin 1



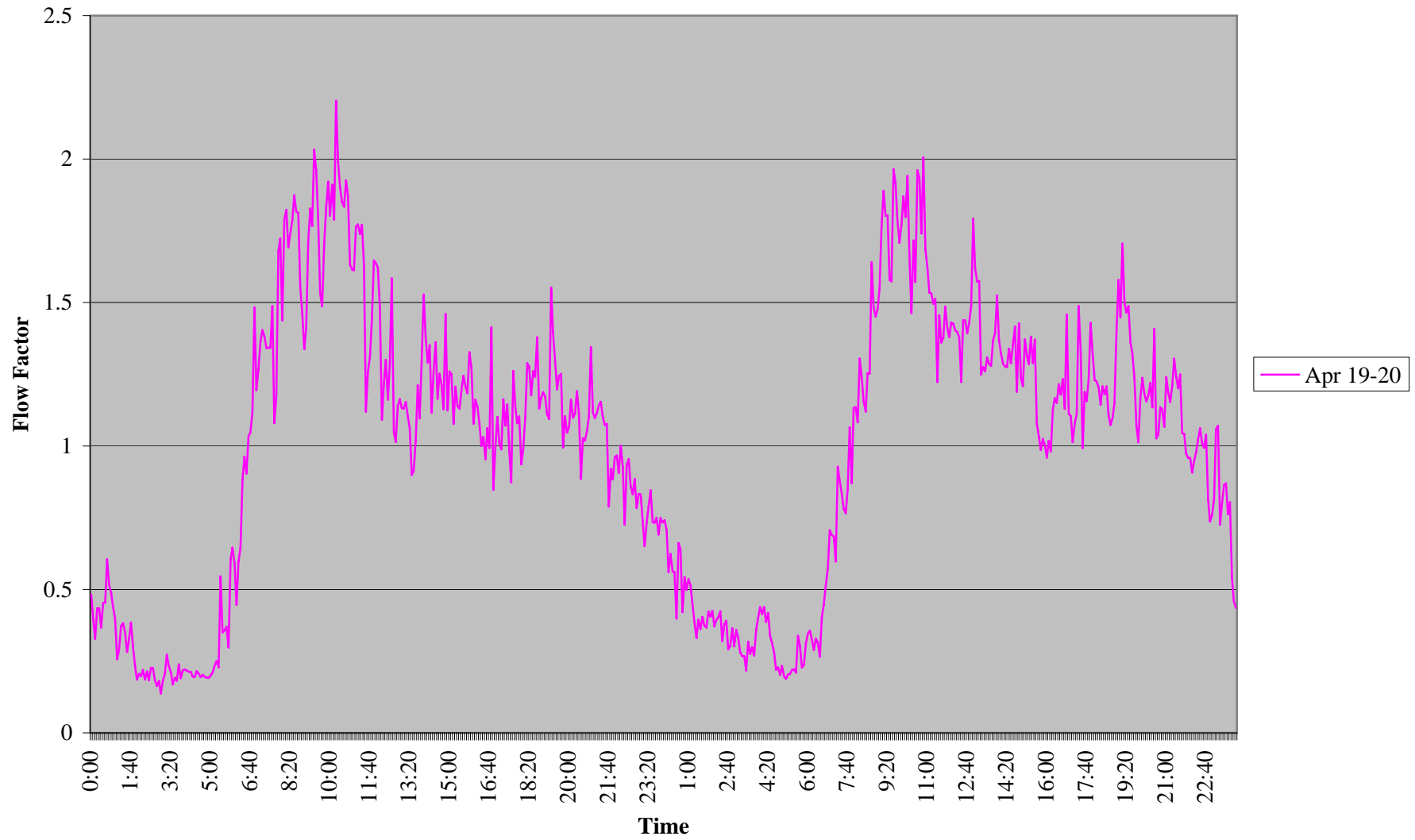
Diurnal Curve - Basin 2



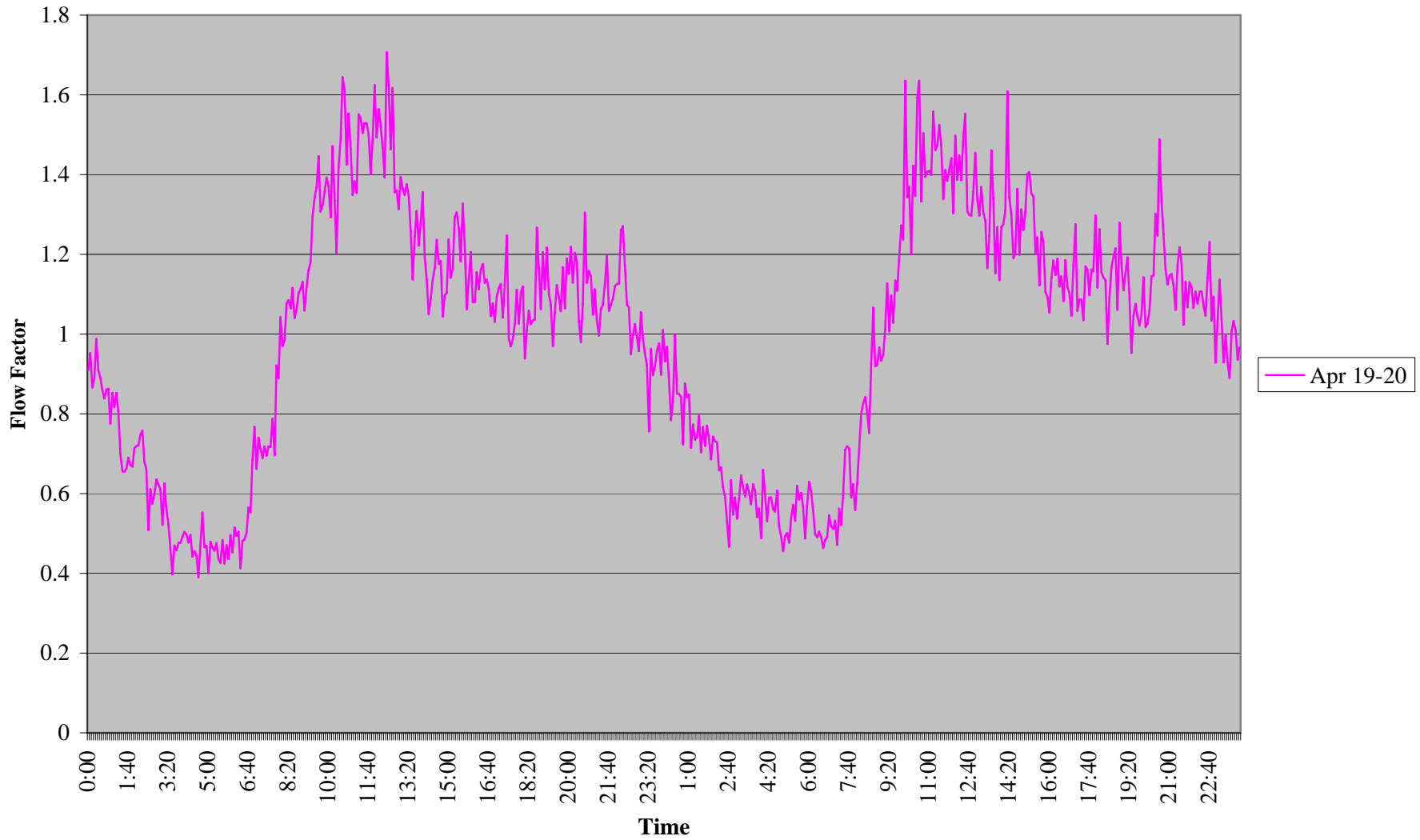
Diurnal Curve - Basin 3



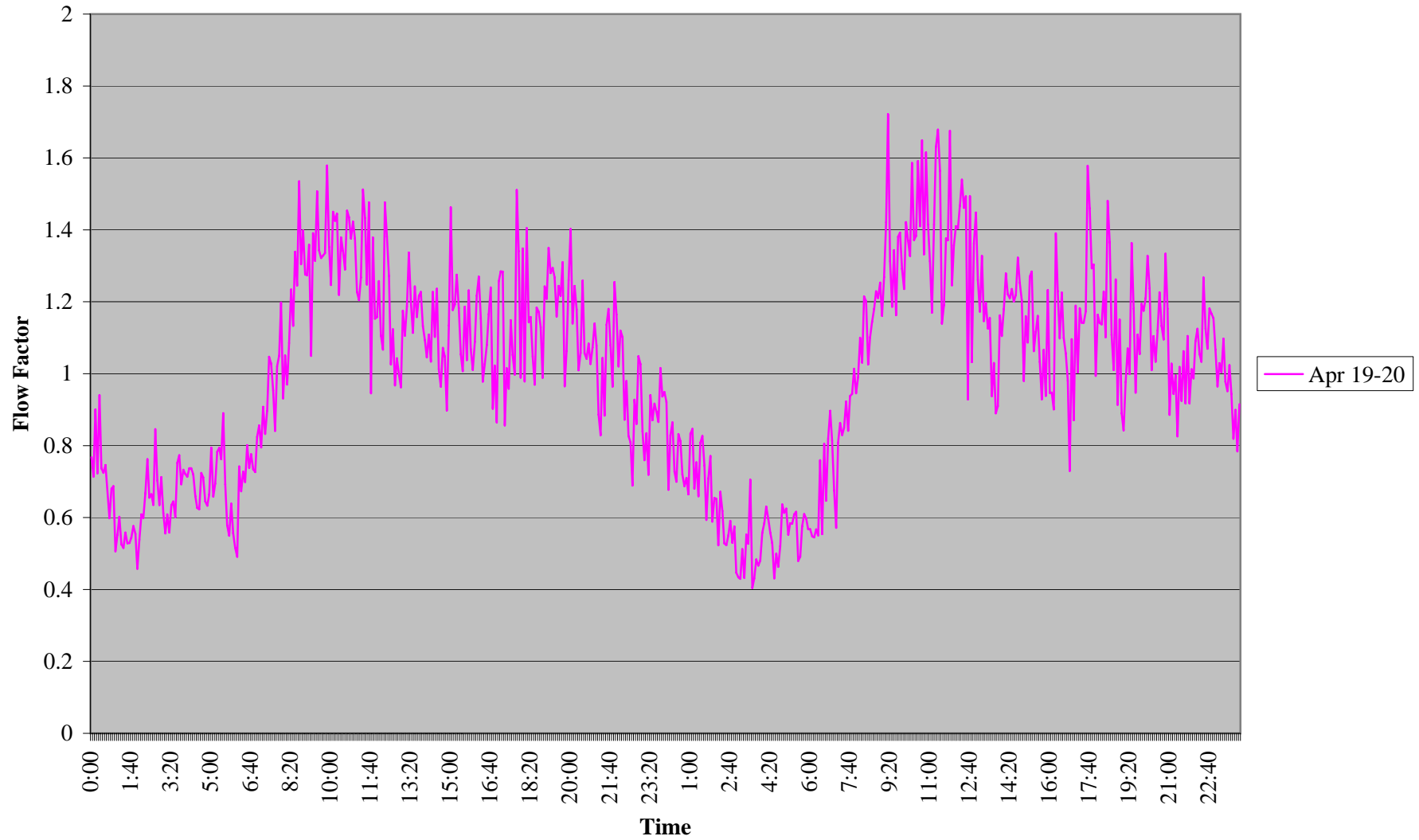
Diurnal Curve - Basin 4



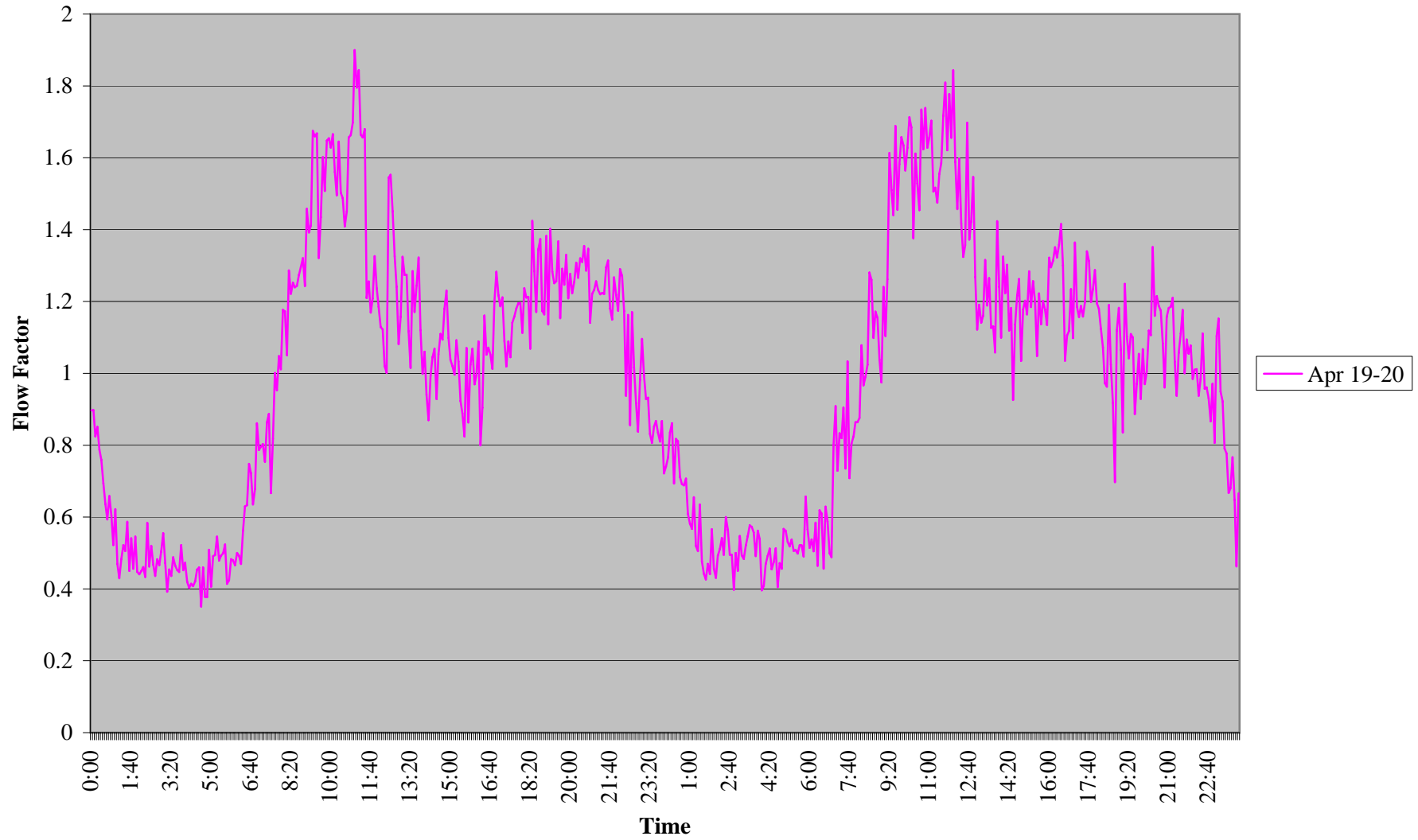
Diurnal Curve - Basin 5



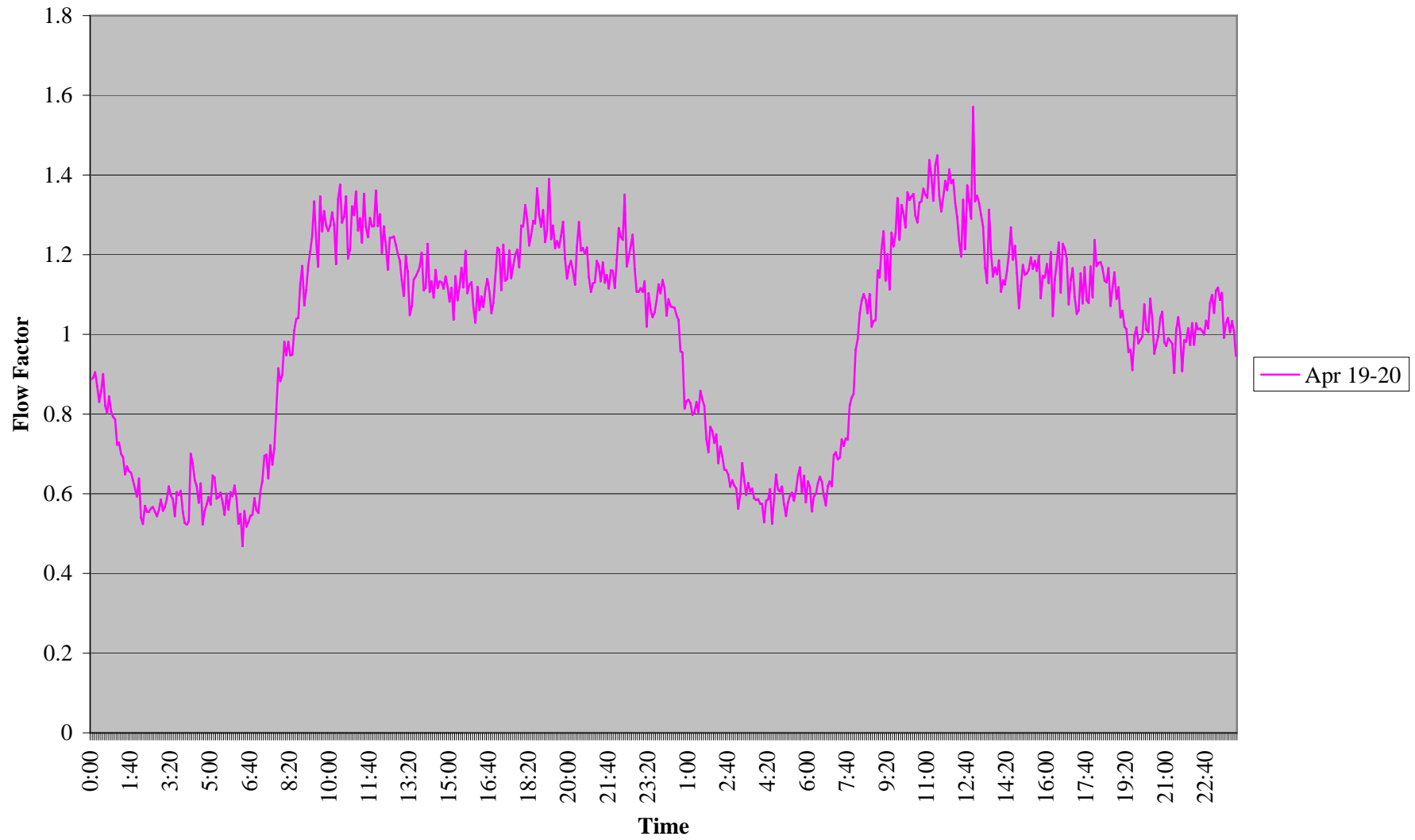
Diurnal Curve - Basin 6



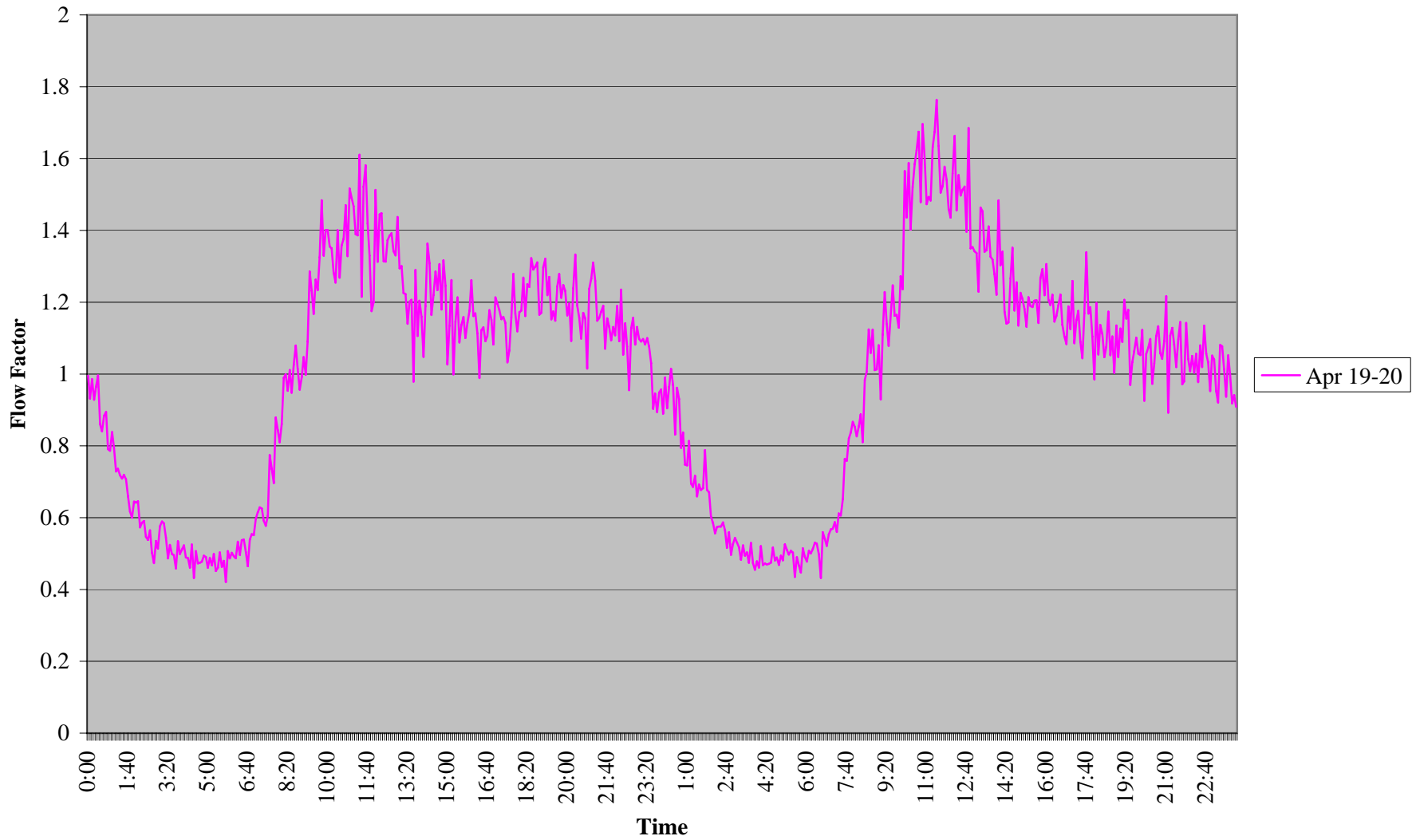
Diurnal Curve - Basin 7



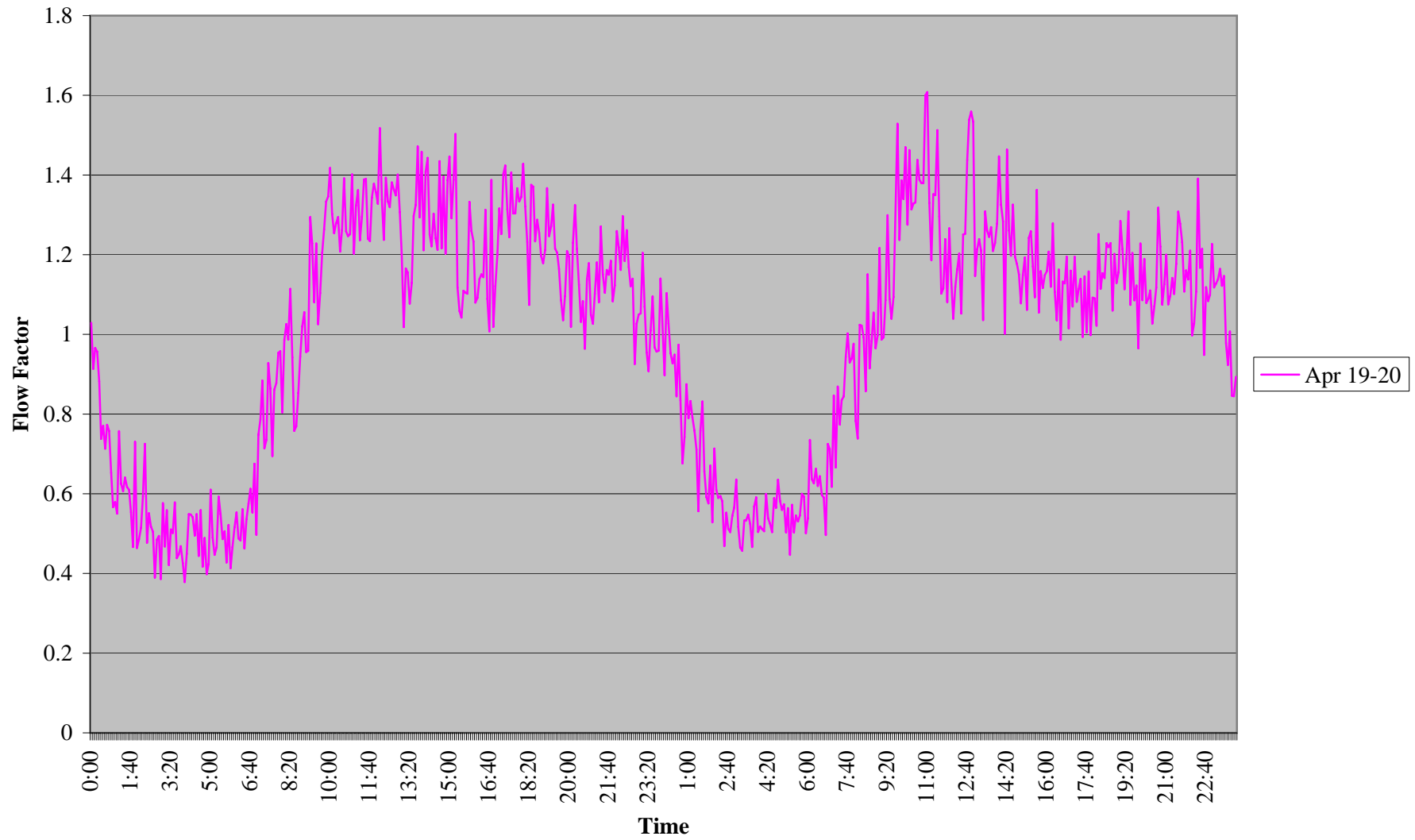
Diurnal Curve - Basin 8



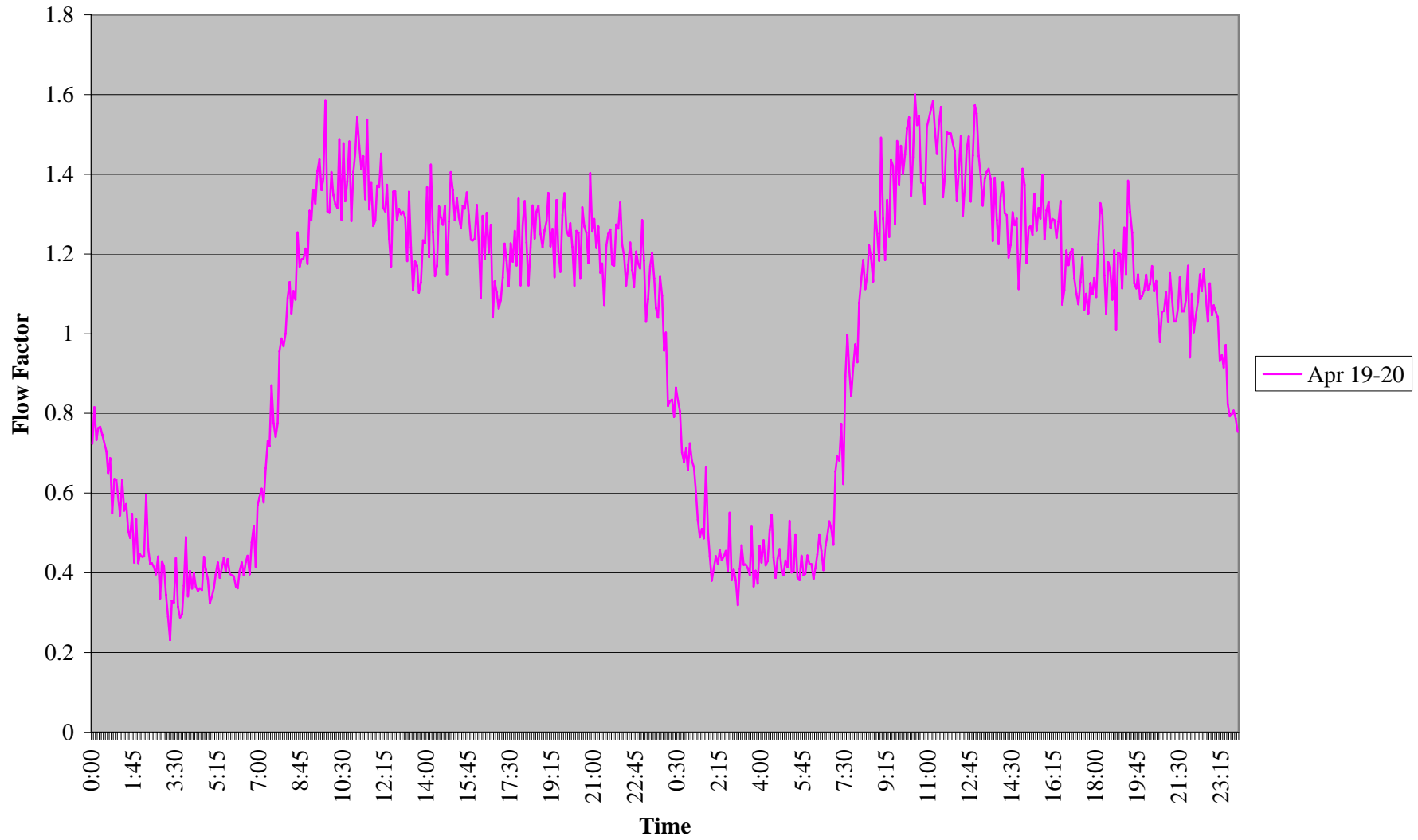
Diurnal Curve - Basin 9



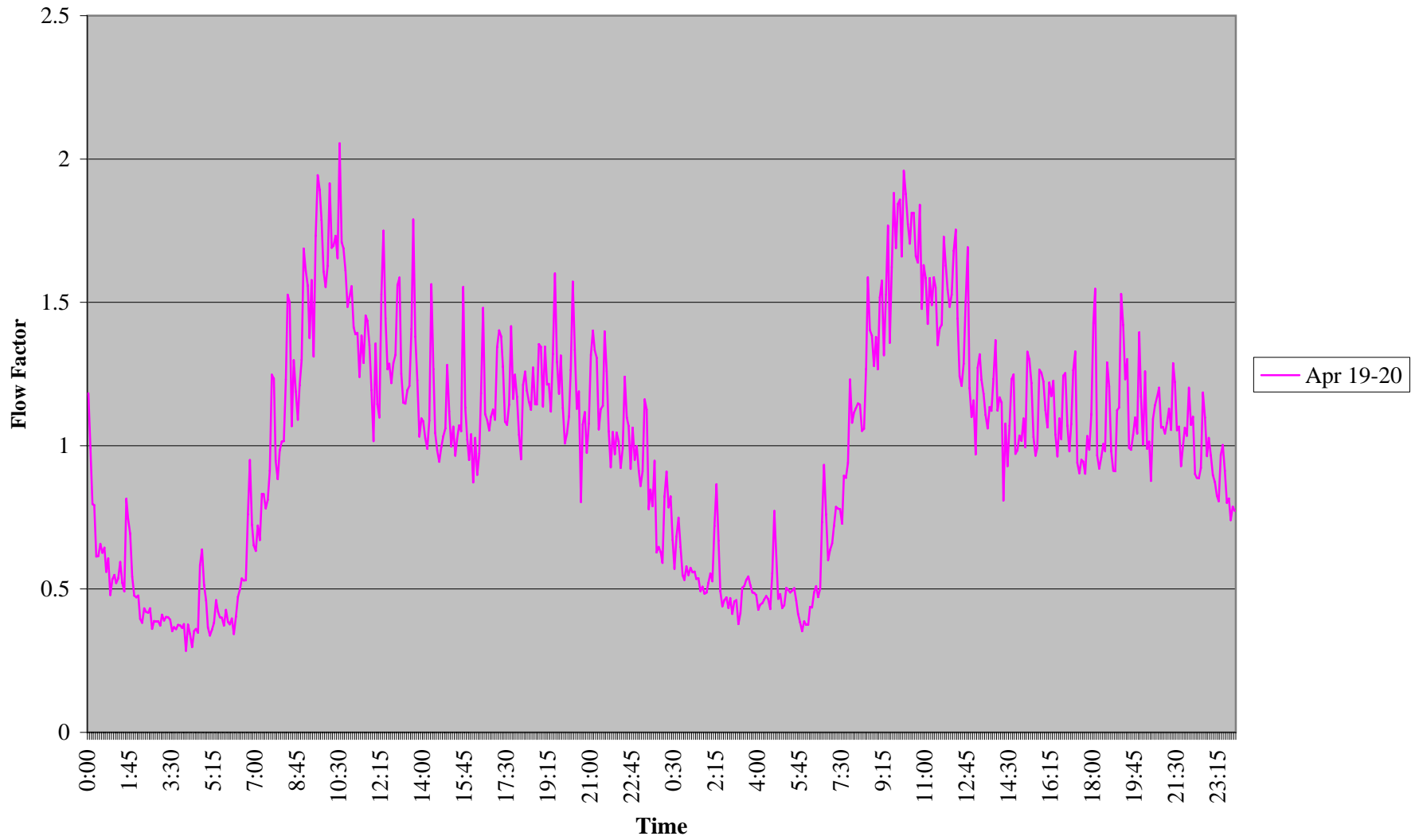
Diurnal Curve - Basin 10



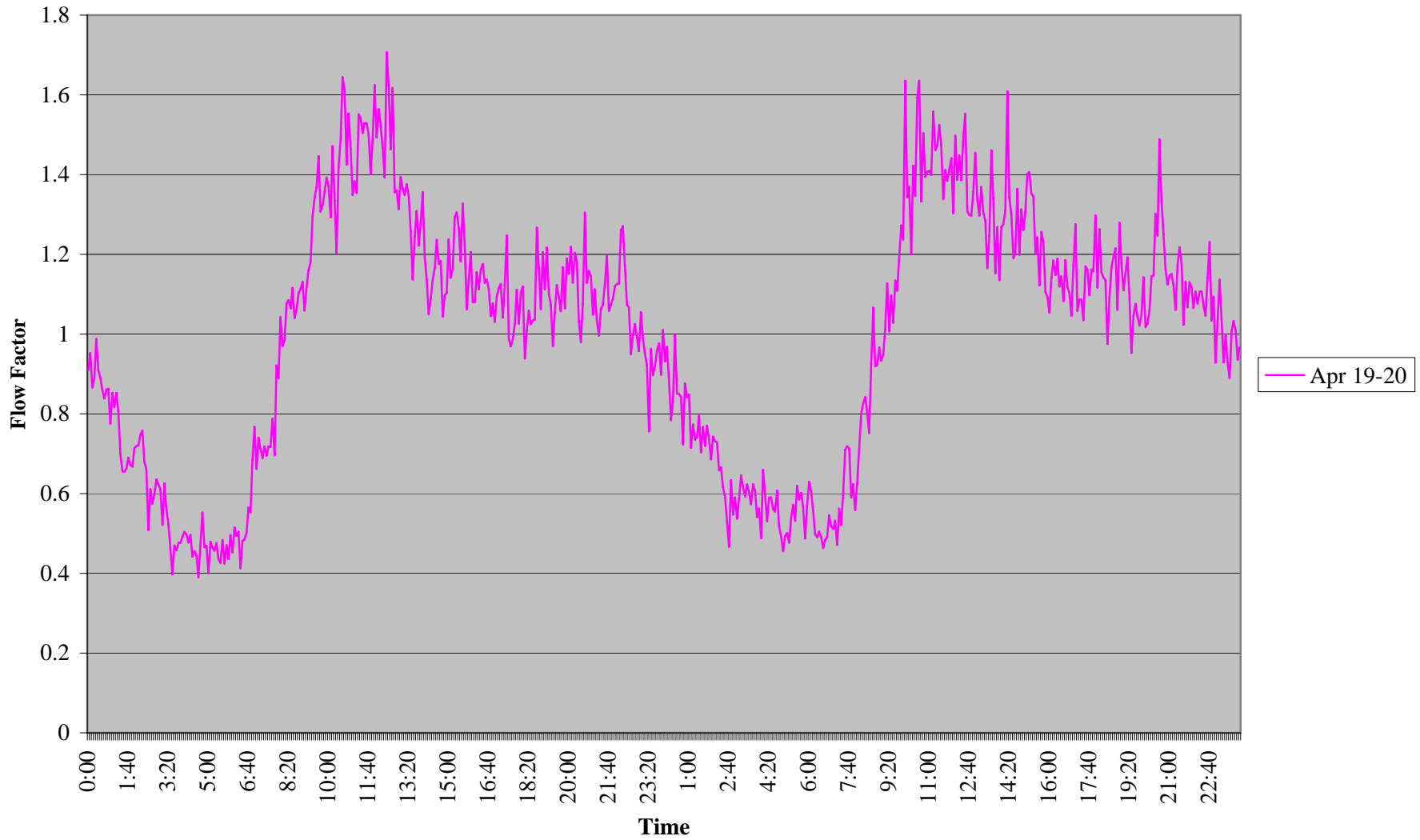
Diurnal Curve - Basin 11



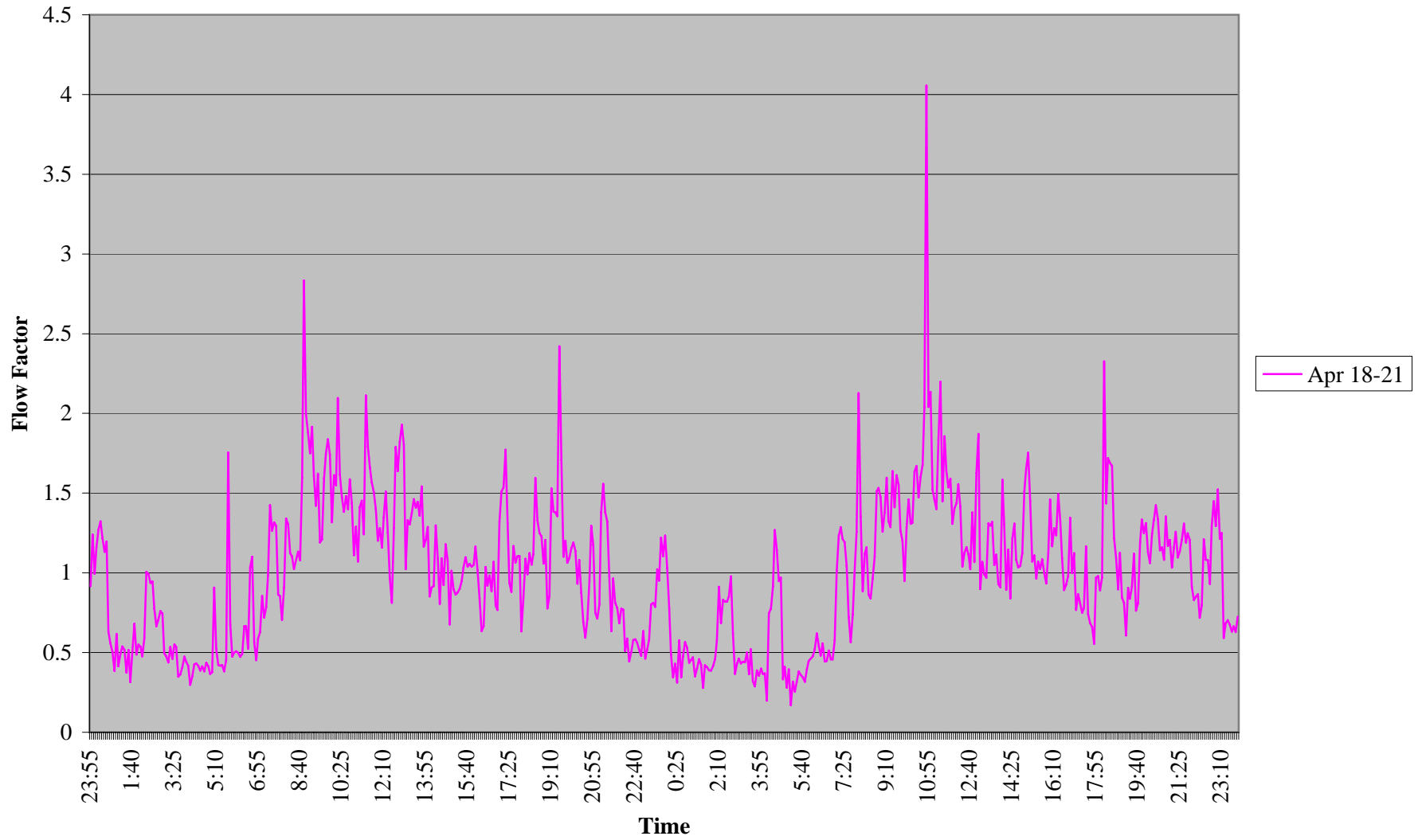
Diurnal Curve - Basin 12



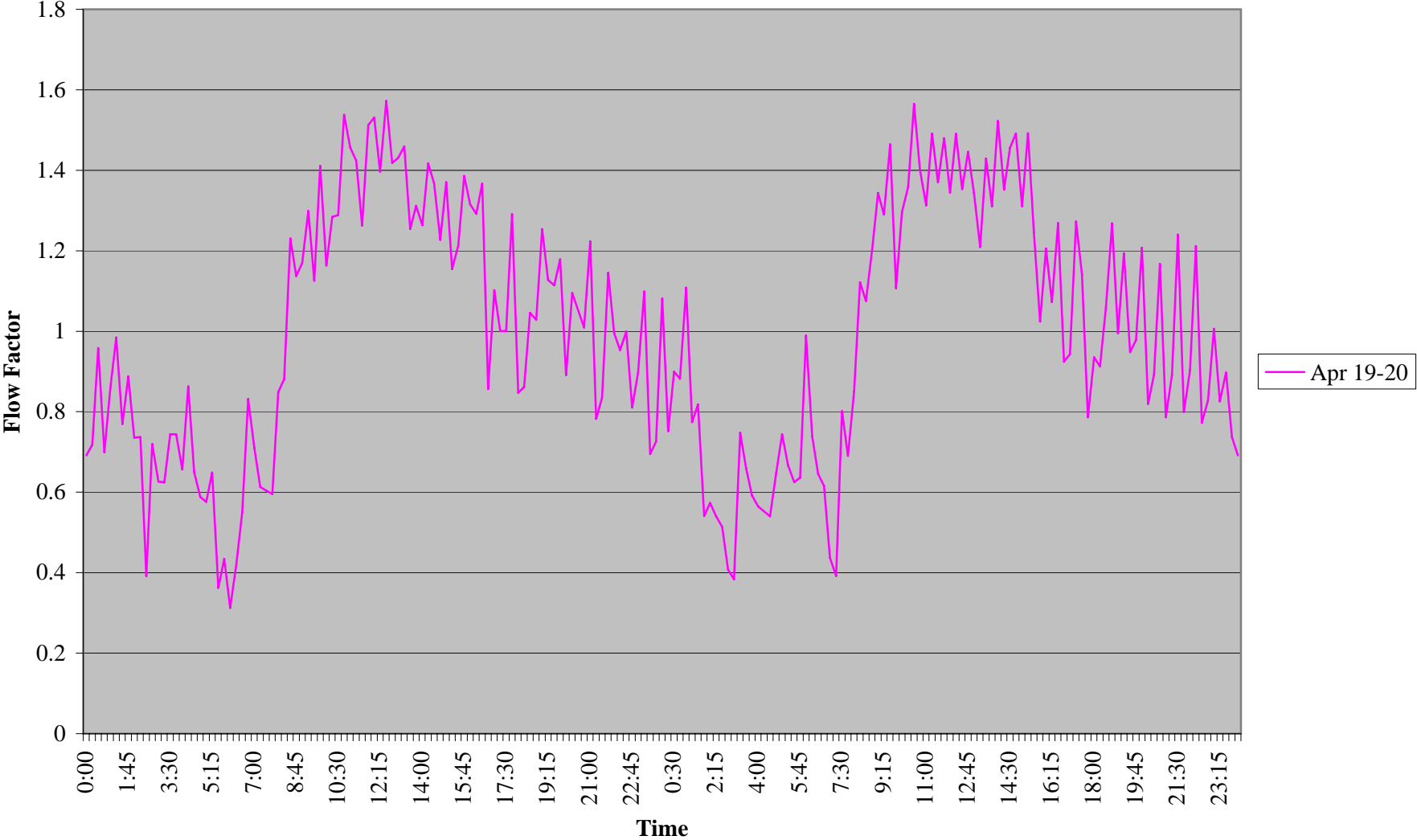
Diurnal Curve - Basin 13



Diurnal Curve - Basin 14



Diurnal Curve - Basins 15, 16, 17



APPENDIX C
COST ESTIMATE BREAKDOWNS

**Palm Springs
Palm Canyon Drive Upsize
Engineer's Opinion of Probable Cost**

| Item No. | Description | Quantity | Unit | Estimate | |
|----------|---|--------------|------|------------|---------------------|
| | | | | Unit Cost | Total |
| 1 | Mobilization/Demobilization/Bonds/Insurance/Permits/Misc. | 1 | LS | \$ 89,474 | \$ 89,500 |
| 2 | Traffic Control and Safety | 1 | LS | \$ 81,340 | \$ 81,400 |
| 3 | Utility and Sewer Lateral Verification (Potholing) | 1 | LS | \$ 11,039 | \$ 11,100 |
| 4 | Trench Protection (Sheeting, Shoring and Bracing) | 1 | LS | \$ 110,385 | \$ 110,400 |
| 5 | SWPPP and BMPs | 1 | LS | \$ 22,000 | \$ 22,000 |
| 6 | Construct Extra Strength VCP- 12-inch | 1329 | LF | \$ 120 | \$ 159,500 |
| 7 | Construct Extra Strength VCP- 15-inch | 1333 | LF | \$ 150 | \$ 200,000 |
| 8 | Remodel Manhole | 11 | EA | \$ 2,000 | \$ 22,000 |
| 9 | Utility Supports | 1 | LS | \$ 11,000 | \$ 11,000 |
| 10 | Construct AC Base Course | 4182 | TON | \$ 80 | \$ 334,600 |
| 11 | Construct Crushed Aggregate Base | 4273 | CY | \$ 60 | \$ 256,400 |
| 12 | Remove and Replace Striping, Markings, Markers and Signs | 1 | LS | \$ 20,000 | \$ 20,000 |
| 13 | As-Built Drawings | 1 | LS | \$ 15,000 | \$ 15,000 |
| 14 | Design, Contract Administration (15%) | 1 | LS | \$ 199,935 | \$ 200,000 |
| 15 | Construction Management and Inspection (8%) | 1 | LS | \$ 106,632 | \$ 106,700 |
| 16 | Contingency (10%) | 1 | LS | \$ 163,960 | \$ 164,000 |
| | | | | | |
| | | Total | | | \$ 1,804,000 |

**Palm Springs
Indian Ave Upsize
Engineer's Opinion of Probable Cost**

| Item No. | Description | Quantity | Unit | Estimate | |
|----------|---|----------|------|------------|---------------------|
| | | | | Unit Cost | Total |
| 1 | Mobilization/Demobilization/Bonds/Insurance/Permits/Misc. | 1 | LS | \$ 324,878 | \$ 324,900 |
| 2 | Traffic Control and Safety | 1 | LS | \$ 295,344 | \$ 295,400 |
| 3 | Utility and Sewer Lateral Verification (Potholing) | 1 | LS | \$ 41,038 | \$ 41,100 |
| 4 | Trench Protection (Sheeting, Shoring and Bracing) | 1 | LS | \$ 410,377 | \$ 410,400 |
| 5 | SWPPP and BMPs | 1 | LS | \$ 22,000 | \$ 22,000 |
| 6 | Construct Extra Strength VCP- 24-inch | 7935 | LF | \$ 240 | \$ 1,904,400 |
| 7 | Remodel Manhole | 28 | EA | \$ 2,000 | \$ 56,000 |
| 8 | Utility Supports | 1 | LS | \$ 43,000 | \$ 43,000 |
| 9 | Construct AC Base Course | 12082 | TON | \$ 80 | \$ 966,600 |
| 10 | Construct Crushed Aggregate Base | 12344 | CY | \$ 60 | \$ 740,700 |
| 11 | Remove and Replace Striping, Markings, Markers and Signs | 1 | LS | \$ 20,000 | \$ 20,000 |
| 12 | As-Built Drawings | 1 | LS | \$ 15,000 | \$ 15,000 |
| 13 | Design, Contract Administration (15%) | 1 | LS | \$ 725,925 | \$ 726,000 |
| 14 | Construction Management and Inspection (8%) | 1 | LS | \$ 387,160 | \$ 387,200 |
| 15 | Contingency (10%) | 1 | LS | \$ 595,270 | \$ 595,300 |
| | | | | | |
| | Total | | | | \$ 6,548,000 |

**Palm Springs
Farrell Drive Upsize
Engineer's Opinion of Probable Cost**

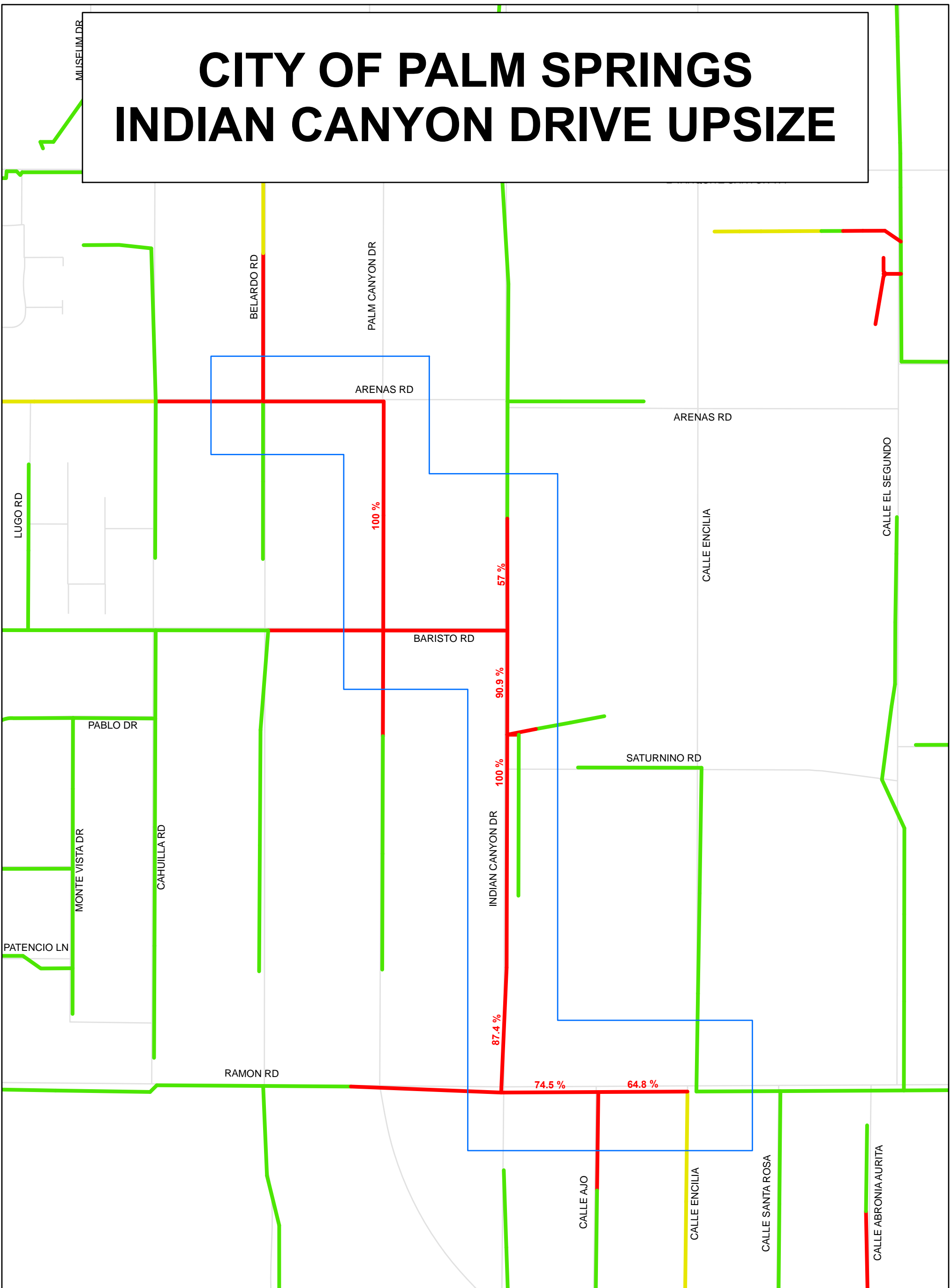
| Item No. | Description | Quantity | Unit | Estimate | |
|--------------|---|----------|------|------------|---------------------|
| | | | | Unit Cost | Total |
| 1 | Mobilization/Demobilization/Bonds/Insurance/Permits/Misc. | 1 | LS | \$ 92,662 | \$ 92,700 |
| 2 | Traffic Control and Safety | 1 | LS | \$ 84,238 | \$ 84,300 |
| 3 | Utility and Sewer Lateral Verification (Potholing) | 1 | LS | \$ 11,444 | \$ 11,500 |
| 4 | Trench Protection (Sheeting, Shoring and Bracing) | 1 | LS | \$ 114,444 | \$ 114,500 |
| 5 | SWPPP and BMPs | 1 | LS | \$ 22,000 | \$ 22,000 |
| 6 | Construct Extra Strength VCP- 30-inch | 1997 | LF | \$ 300 | \$ 599,100 |
| 7 | Remodel Manhole | 8 | EA | \$ 2,000 | \$ 16,000 |
| 8 | Utility Supports | 1 | LS | \$ 11,000 | \$ 11,000 |
| 9 | Construct AC Base Course | 2896 | TON | \$ 80 | \$ 231,700 |
| 10 | Construct Crushed Aggregate Base | 2959 | CY | \$ 60 | \$ 177,600 |
| 11 | Remove and Replace Striping, Markings, Markers and Signs | 1 | LS | \$ 5,000 | \$ 5,000 |
| 12 | As-Built Drawings | 1 | LS | \$ 15,000 | \$ 15,000 |
| 13 | Design, Contract Administration (15%) | 1 | LS | \$ 207,060 | \$ 207,100 |
| 14 | Construction Management and Inspection (8%) | 1 | LS | \$ 110,432 | \$ 110,500 |
| 15 | Contingency (10%) | 1 | LS | \$ 169,800 | \$ 169,800 |
| Total | | | | | \$ 1,868,000 |

**Palm Springs
Chino Vista Upsize
Engineer's Opinion of Probable Cost**

| Item No. | Description | Quantity | Unit | Estimate | |
|----------|---|----------|------|------------|---------------------|
| | | | | Unit Cost | Total |
| 1 | Mobilization/Demobilization/Bonds/Insurance/Permits/Misc. | 1 | LS | \$ 218,341 | \$ 218,400 |
| 2 | Traffic Control and Safety | 1 | LS | \$ 198,492 | \$ 198,500 |
| 3 | Utility and Sewer Lateral Verification (Potholing) | 1 | LS | \$ 27,460 | \$ 27,500 |
| 4 | Trench Protection (Sheeting, Shoring and Bracing) | 1 | LS | \$ 274,604 | \$ 274,700 |
| 5 | SWPPP and BMPs | 1 | LS | \$ 22,000 | \$ 22,000 |
| 6 | Construct Extra Strength VCP- 24-inch | 5252 | LF | \$ 240 | \$ 1,260,500 |
| 7 | Remodel Manhole | 15 | EA | \$ 2,000 | \$ 30,000 |
| 8 | Utility Supports | 1 | LS | \$ 20,000 | \$ 20,000 |
| 9 | Construct AC Base Course | 8251 | TON | \$ 80 | \$ 660,100 |
| 10 | Construct Crushed Aggregate Base | 8430 | CY | \$ 60 | \$ 505,800 |
| 11 | Remove and Replace Striping, Markings, Markers and Signs | 1 | LS | \$ 20,000 | \$ 20,000 |
| 12 | As-Built Drawings | 1 | LS | \$ 15,000 | \$ 15,000 |
| 13 | Design, Contract Administration (15%) | 1 | LS | \$ 487,875 | \$ 487,900 |
| 14 | Construction Management and Inspection (8%) | 1 | LS | \$ 260,200 | \$ 260,200 |
| 15 | Contingency (10%) | 1 | LS | \$ 400,060 | \$ 400,100 |
| | | | | | |
| | Total | | | | \$ 4,401,000 |

APPENDIX D
PROJECT AREA EXHIBITS

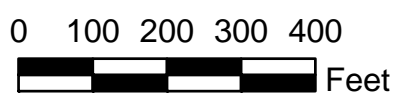
CITY OF PALM SPRINGS INDIAN CANYON DRIVE UPSIZE



LEGEND

2025 Model Results

- Sufficient Capacity
- Semi-Critical
- Critical
- Freeways
- Streets

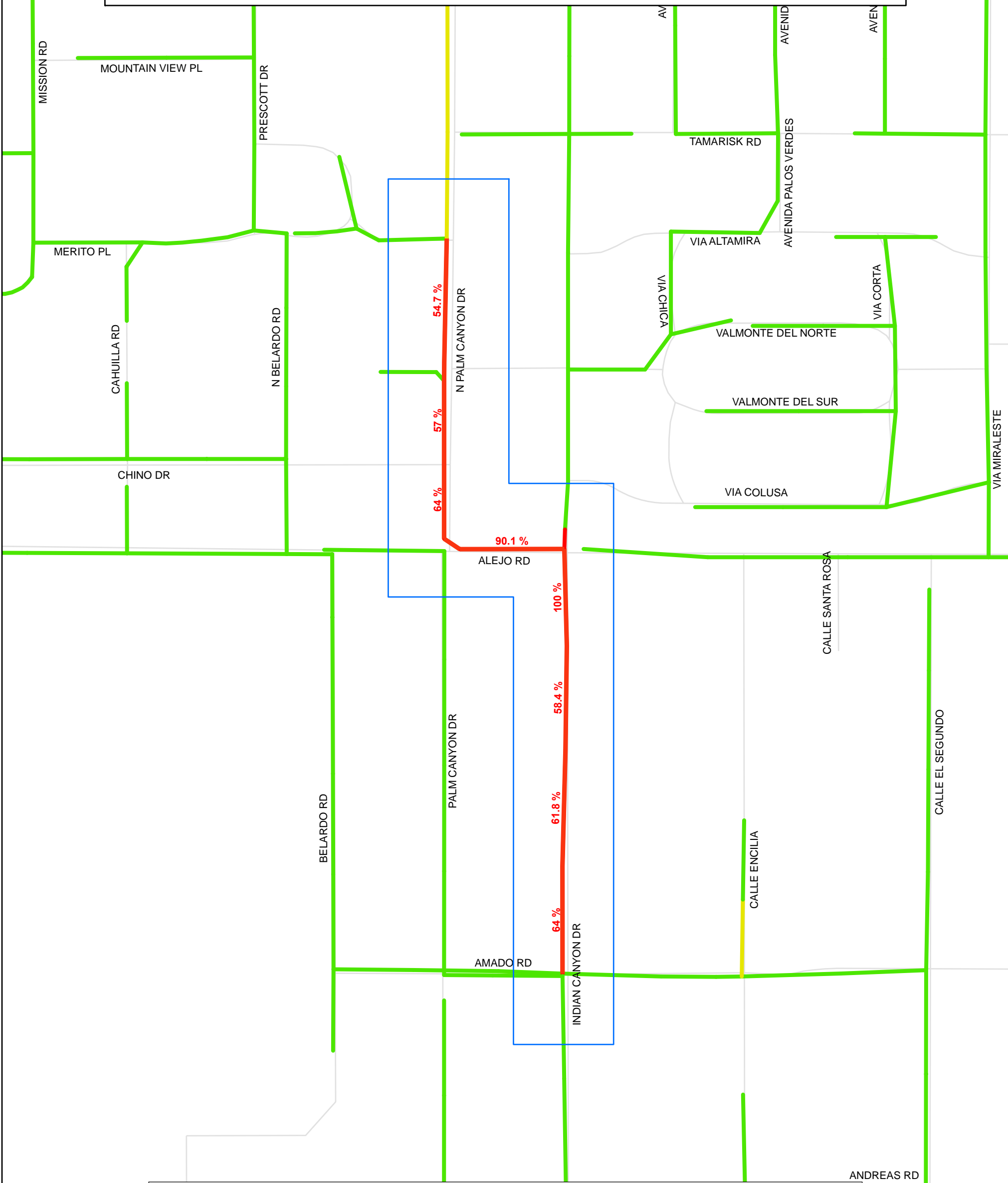


BIG CANYON DR W
BIG CA

CALLE AURITA
CALLE ROCA

CITY OF PALM SPRINGS

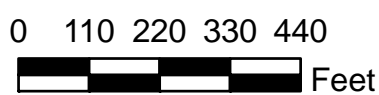
PALM CANYON DRIVE UPSIZE



LEGEND

2025 Model Results

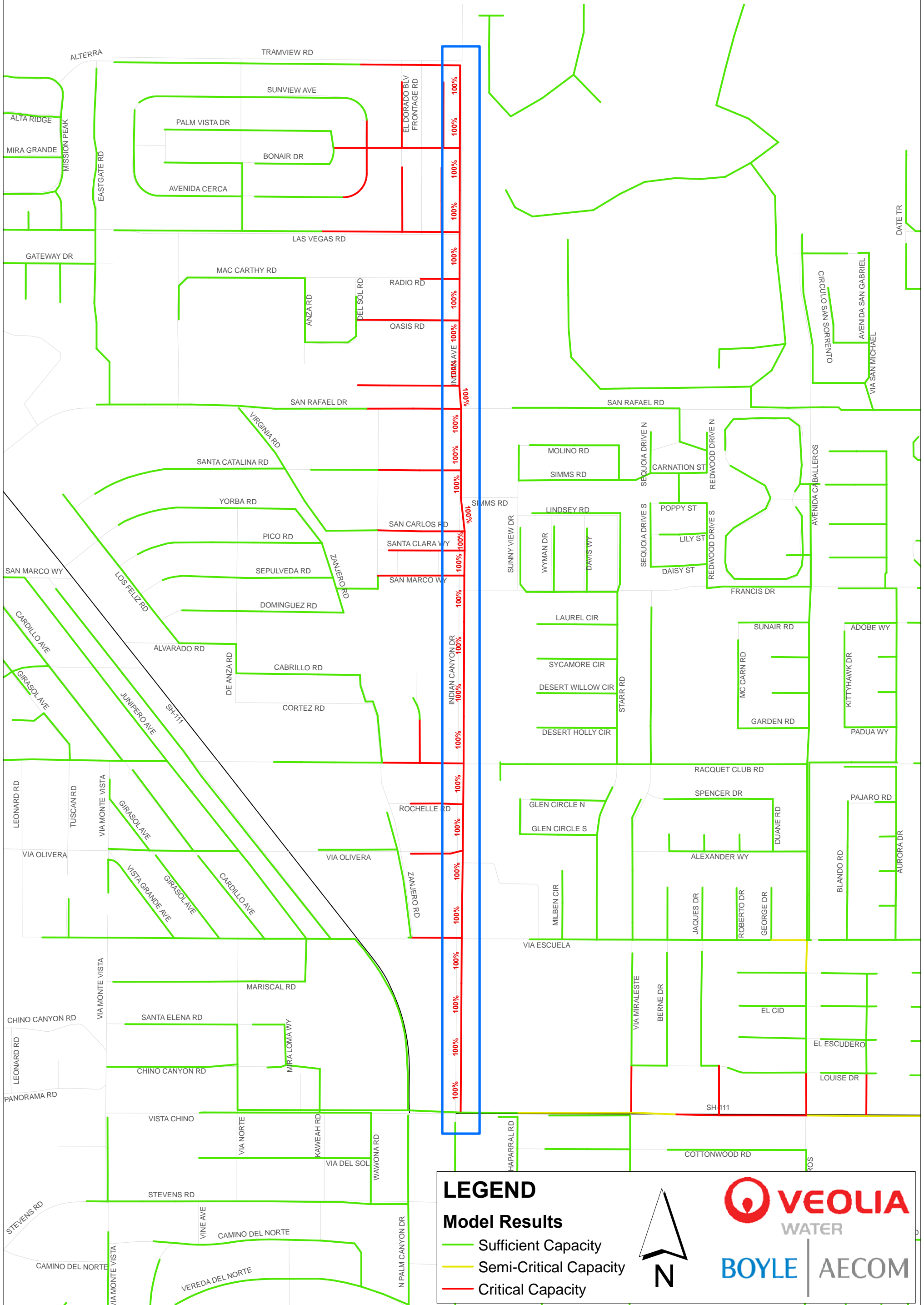
- Sufficient Capacity
- Semi-Critical
- Critical
- Freeways
- Streets



TAHQUITZ DR

E TAHQUITZ CANYON WY

CITY OF PALM SPRINGS INDIAN AVE SEWER UPSIZE



CITY OF PALM SPRINGS FARRELL DRIVE SEWER UPSIZE



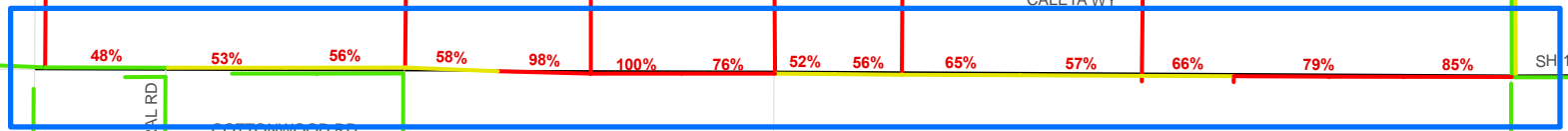
LEGEND

Model Results

- Sufficient Capacity
- Semi-Critical Capacity
- Critical Capacity



CITY OF PALM SPRINGS CHINO VISTA SEWER UPSIZE



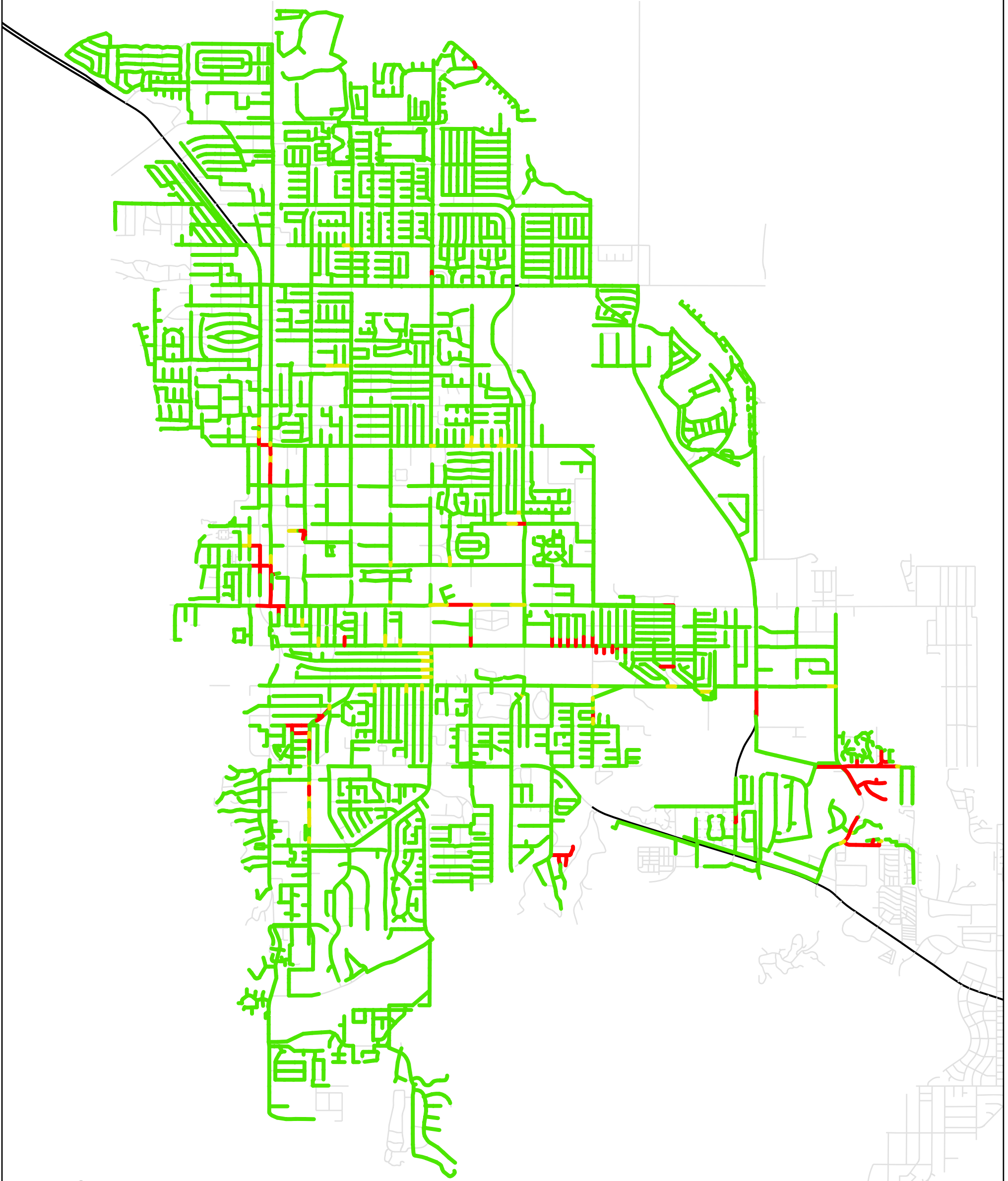
LEGEND

- Model Results**
- Sufficient Capacity
 - Semi-Critical Capacity
 - Critical Capacity








APPENDIX E
MODEL RESULTS AND MAPS

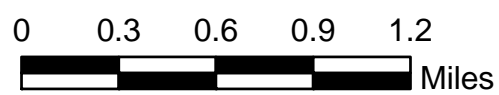
CITY OF PALM SPRINGS EXISTING RESULTS



LEGEND

Existing 2008 Model Results

-  Sufficient Capacity
-  Semi-Critical
-  Critical
-  Freeways
-  Streets



Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| J14065-J14063 | 8 | 61 | 0.008 | 0 | 0 | 0 | 339.5 | 339 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 835,618.20 | 4.31 |
| J14063-J14061 | 8 | 119 | 0.008 | 3.5 | 0 | 0 | 339 | 338 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 846,085.64 | 4.36 |
| H14015-H14013 | 8 | 103 | 0.01 | 7.6 | 0 | 0 | 372 | 371 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 909,429.83 | 4.69 |
| J15035-J15033 | 8 | 286 | 0.007 | 0 | 0 | 0 | 340 | 338 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 771,826.68 | 3.98 |
| J15033-J15031 | 8 | 287 | 0.007 | 1.6 | 0 | 0 | 338 | 336 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 770,480.86 | 3.97 |
| J14047-J14045 | 8 | 162 | 0.012 | 3 | 0 | 0 | 344 | 342 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,025,522.75 | 5.29 |
| J14003-J14001 | 8 | 176 | 0.006 | 0 | 0 | 0 | 336 | 335 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 695,715.17 | 3.59 |
| J14001-K14077 | 8 | 279 | 0.007 | 1.1 | 0 | 0 | 335 | 333 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 781,449.11 | 4.03 |
| K11059-K11057 | 8 | 225 | 0.018 | 0 | 0 | 0 | 361 | 357 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,230,627.30 | 6.35 |
| K11057-K11055 | 8 | 275 | 0.015 | 0 | 0 | 0 | 357 | 353 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,113,144.27 | 5.74 |
| K11045-K11043 | 8 | 105 | 0.01 | 0 | 0 | 0 | 361 | 360 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 900,726.95 | 4.65 |
| K11043-K11041 | 8 | 209 | 0.01 | 4.5 | 0 | 0 | 360 | 358 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 902,879.23 | 4.66 |
| K11055-K11031 | 8 | 349 | 0.013 | 32 | 0 | 0 | 353 | 348.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,048,048.43 | 5.41 |
| L14001-L13007 | 15 | 316 | 0.003 | 0 | 0 | 0 | 328 | 327 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,775,541.07 | 3.58 |
| L13007-L13005 | 15 | 319 | 0.003 | 0 | 0 | 0 | 327 | 326 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,762,459.11 | 3.56 |
| L13005-L13003 | 15 | 135 | 0.004 | 0 | 0 | 0 | 326 | 325.5 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,002,681.84 | 3.87 |
| L13003-L13001 | 15 | 132 | 0.004 | 0.9 | 0 | 0 | 325.5 | 325 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,036,611.52 | 3.92 |
| L13011-L13009 | 8 | 123 | 0.008 | 0 | 0 | 0 | 337 | 336 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 832,214.45 | 4.29 |
| L13013-L13009 | 8 | 232 | 0.004 | 0 | 0 | 0 | 337 | 336 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 605,959.80 | 3.13 |
| L13009-K13047 | 8 | 225 | 0.004 | 30 | 0 | 0 | 336 | 335 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 615,313.65 | 3.17 |
| L13113-L13111 | 8 | 110 | 0.009 | 0 | 0 | 0 | 330 | 329 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 880,017.82 | 4.54 |
| L13163-L13161 | 8 | 93 | 0.011 | 100 | 0 | 0 | 331 | 330 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 957,075.80 | 4.94 |
| L13161-L13159 | 8 | 196 | 0.005 | 100 | 0 | 0 | 330 | 329 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 659,264.62 | 3.40 |
| L13117-L13109 | 8 | 110 | 0.009 | 0 | 0 | 0 | 329 | 328 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 880,017.82 | 4.54 |
| L13069-L13067 | 8 | 107 | 0.009 | 0 | 0 | 0 | 335 | 334 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 892,269.23 | 4.60 |
| L13067-L13043 | 8 | 157 | 0.003 | 3.9 | 0 | 0 | 334 | 333.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 520,862.37 | 2.69 |
| L13121-L13119 | 8 | 251 | 0.004 | 0 | 0 | 0 | 330 | 329 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 582,573.80 | 3.00 |
| L13115-L13119 | 8 | 128 | 0.008 | 0 | 0 | 0 | 330 | 329 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 815,798.35 | 4.21 |
| L13119-L13107 | 8 | 309 | 0.006 | 57.7 | 0 | 0 | 329 | 327 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 742,546.35 | 3.83 |
| L13111-L13109 | 8 | 360 | 0.003 | 0 | 0 | 0 | 329 | 328 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 486,448.15 | 2.51 |
| L13109-L13107 | 8 | 256 | 0.004 | 57.7 | 0 | 0 | 328 | 327 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| L13107-L13105 | 8 | 265 | 0.004 | 100 | 0 | 0 | 327 | 326 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 566,976.25 | 2.92 |
| L14087-L14085 | 8 | 173 | 0.006 | 100 | 0 | 0 | 330 | 329 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 701,721.46 | 3.62 |
| L14085-L14083 | 8 | 254 | 0.004 | 100 | 0 | 0 | 329 | 328 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 579,123.18 | 2.99 |
| L13065-L13063 | 8 | 112 | 0.009 | 0 | 0 | 0 | 338 | 337 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 872,125.12 | 4.50 |
| L13063-L13061 | 8 | 121 | 0.002 | 0 | 0 | 0 | 337 | 336.75 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 419,532.03 | 2.16 |
| L13061-L13059 | 8 | 52 | 0.005 | 0 | 0 | 0 | 336.75 | 336.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 639,964.88 | 3.30 |
| L13059-L13057 | 8 | 57 | 0.004 | 0 | 0 | 0 | 336.5 | 336.25 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 611,252.13 | 3.15 |
| L13057-L13055 | 8 | 60 | 0.004 | 0 | 0 | 0 | 336.25 | 336 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 595,774.88 | 3.07 |
| L13055-L13053 | 8 | 91 | 0.005 | 0 | 0 | 0 | 336 | 335.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 684,151.23 | 3.53 |
| L13053-L13051 | 8 | 101 | 0.005 | 0 | 0 | 0 | 335.5 | 335 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 649,399.76 | 3.35 |
| L13071-L13043 | 8 | 190 | 0.003 | 3.9 | 0 | 0 | 334 | 333.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 473,473.86 | 2.44 |
| L13051-L13047 | 8 | 96 | 0.01 | 4.6 | 0 | 0 | 335 | 334 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 942,002.79 | 4.86 |
| L13075-L13073 | 8 | 132 | 0.008 | 0 | 0 | 0 | 332 | 331 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 803,342.68 | 4.14 |
| L13083-L13081 | 8 | 252 | 0.006 | 0 | 0 | 0 | 334 | 332.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 712,087.18 | 3.67 |
| L13165-L13159 | 8 | 118 | 0.008 | 100 | 0 | 0 | 330 | 329 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 849,663.19 | 4.38 |
| L13091-L13089 | 8 | 118 | 0.008 | 0 | 0 | 0 | 335 | 334 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 849,663.19 | 4.38 |
| L13033-L13031 | 8 | 201 | 0.005 | 3.7 | 0 | 0 | 332 | 331 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 651,013.18 | 3.36 |
| L13077-L13027 | 8 | 156 | 0.006 | 4.1 | 0 | 0 | 331 | 330 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 738,967.79 | 3.81 |
| L13101-L13099 | 8 | 246 | 0.004 | 0 | 0 | 0 | 335 | 334 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 588,464.48 | 3.03 |
| L13099-L13087 | 8 | 111 | 0.005 | 0 | 0 | 0 | 334 | 333.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 619,457.22 | 3.19 |
| L13097-L13095 | 8 | 157 | 0.006 | 0 | 0 | 0 | 336 | 335 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 736,610.63 | 3.80 |
| L13095-L13093 | 8 | 100 | 0.01 | 0 | 0 | 0 | 335 | 334 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 922,970.47 | 4.76 |
| L13093-L13087 | 8 | 110 | 0.005 | 0 | 0 | 0 | 334 | 333.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 622,266.57 | 3.21 |
| L13089-L13087 | 8 | 156 | 0.003 | 0 | 0 | 0 | 334 | 333.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 522,529.13 | 2.69 |
| L13087-L13085 | 8 | 117 | 0.004 | 0 | 0 | 0 | 333.5 | 333 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 603,364.67 | 3.11 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|-------------------------------------|-------------------------------------|----------------|-----------------------------|
| L13085-L13081 | 8 | 112 | 0.004 | 0 | 0 | 0 | 333 | 332.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 616,685.59 | 3.18 |
| L13081-L13079 | 8 | 118 | 0.004 | 0 | 0 | 0 | 332.5 | 332 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 600,802.60 | 3.10 |
| L13073-L13027 | 8 | 128 | 0.008 | 4.1 | 0 | 0 | 331 | 330 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 815,798.35 | 4.21 |
| L13079-L13023 | 8 | 96 | 0.031 | 3.6 | 0 | 0 | 332 | 329 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,631,596.70 | 8.41 |
| L14035-L14033 | 8 | 101 | 0.01 | 2.7 | 0 | 0 | 319 | 318 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 918,389.95 | 4.74 |
| L14061-L14059 | 8 | 75 | 0.005 | 47.1 | 0 | 0 | 314.41 | 314.01 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 674,042.33 | 3.48 |
| L14059-L14057 | 8 | 139 | 0.007 | 100 | 0 | 0 | 314.01 | 313 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 786,757.87 | 4.06 |
| L14077-L14075 | 8 | 214 | 0.012 | 6.6 | 0 | 0 | 316 | 313.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 997,587.33 | 5.14 |
| K15031-K15029 | 8 | 179 | 0.011 | 2.7 | 0 | 0 | 324 | 322 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 975,610.10 | 5.03 |
| K14091-K14089 | 8 | 209 | 0.014 | 6 | 0 | 0 | 321 | 318 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,105,796.70 | 5.70 |
| L14073-L14071 | 8 | 132 | 0.001 | 0 | 0 | 0 | 314.13 | 314 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 289,649.32 | 1.49 |
| L14071-L14069 | 8 | 100 | 0.009 | 0 | 0 | 0 | 314 | 313.09 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 880,457.72 | 4.54 |
| L14069-L14067 | 8 | 160 | 0.007 | 0.5 | 0 | 0 | 313.09 | 312 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 761,800.17 | 3.93 |
| L14067-L14065 | 8 | 119 | 0.001 | 10.8 | 0 | 0 | 312 | 311.87 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 305,060.52 | 1.57 |
| E08001-E09003 | 8 | 345 | 0.006 | 0 | 0 | 0 | 446 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 702,737.71 | 3.62 |
| E09003-E09001 | 8 | 332 | 0.003 | 4.8 | 0 | 0 | 444 | 443 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 506,545.85 | 2.61 |
| C01057-C01056 | 8 | 0 | 0.02 | 0 | 0 | 0 | 671.8 | 670.79 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,298,863.18 | 6.70 |
| C01058-C01056 | 8 | 190 | 0.005 | 0 | 0 | 0 | 671.76 | 670.79 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 659,472.78 | 3.40 |
| C01056-C01054 | 8 | 148.7 | 0.007 | 0 | 0 | 0 | 670.79 | 669.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 754,874.14 | 3.89 |
| C01054-C01052 | 8 | 250.1 | 0.019 | 0.8 | 0 | 0 | 669.8 | 665.02 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,273,693.39 | 6.57 |
| C01060-C02132 | 8 | 134.8 | 0.004 | 0.6 | 0 | 0 | 673.23 | 672.64 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 612,436.99 | 3.16 |
| B01022-B01020 | 8 | 59 | 0.022 | 0 | 0 | 0 | 695.57 | 694.23 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,379,318.56 | 7.11 |
| B01020-B01018 | 8 | 280 | 0.021 | 0.6 | 0 | 0 | 694.23 | 688.27 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,344,181.08 | 6.93 |
| B01073-B01071 | 8 | 0 | 0.014 | 0 | 0 | 0 | 713.71 | 712.36 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,100,253.83 | 5.67 |
| B01071-B01069 | 8 | 0 | 0.023 | 0 | 0 | 0 | 712.36 | 706.48 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,412,666.38 | 7.29 |
| B01069-B02011 | 8 | 298 | 0.024 | 0 | 0 | 0 | 706.48 | 699.22 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,438,204.10 | 7.42 |
| B02011-B02009 | 8 | 299 | 0.032 | 1.4 | 0 | 0 | 699.22 | 689.61 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,651,919.48 | 8.52 |
| C02095-C02094 | 8 | 122.6 | 0.005 | 0 | 0 | 0 | 673.96 | 673.35 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 649,980.26 | 3.35 |
| B01088-B01086 | 8 | 255.6 | 0.029 | 0.5 | 0 | 0 | 710.27 | 702.85 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,568,278.53 | 8.09 |
| C02099-C02097 | 8 | 0 | 0.014 | 0.6 | 0 | 0 | 672.38 | 668.79 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,074,266.65 | 5.54 |
| C02109-C02107 | 8 | 297.1 | 0.003 | 0 | 0 | 0 | 673.63 | 672.59 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 544,338.29 | 2.81 |
| C02107-C02105 | 8 | 297.1 | 0.004 | 0.9 | 0 | 0 | 672.59 | 671.45 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 566,133.58 | 2.92 |
| B02005-B02003 | 8 | 2,980.00 | 0.01 | 0.9 | 0 | 0 | 685.5 | 682.61 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 907,404.93 | 4.68 |
| C02094-C02092 | 8 | 300 | 0.025 | 0.5 | 0 | 0 | 673.35 | 665.86 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,455,946.67 | 7.51 |
| C01014-C01013 | 8 | 37 | 0.003 | 0 | 0 | 0 | 638.21 | 638.08 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 539,843.26 | 2.78 |
| C01013-C01011 | 8 | 300 | 0.003 | 0 | 0 | 0 | 638.08 | 637.03 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 545,128.90 | 2.81 |
| C01011-C02137 | 8 | 300 | 0.003 | 0.9 | 0 | 0 | 637.03 | 635.98 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 544,225.62 | 2.81 |
| B01044-B01043 | 8 | 167 | 0.01 | 0 | 0 | 0 | 713.97 | 712.38 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 900,592.10 | 4.64 |
| B01043-B01041 | 8 | 0 | 0.029 | 0 | 0 | 0 | 712.38 | 707.54 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,576,000.84 | 8.13 |
| B01041-B01039 | 8 | 300 | 0.023 | 0 | 0 | 0 | 707.54 | 700.63 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,398,439.18 | 7.21 |
| B01039-B01037 | 8 | 224 | 0.019 | 0 | 0 | 0 | 700.63 | 695.57 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,277,794.76 | 6.59 |
| B01037-B01035 | 8 | 0 | 0.002 | 0 | 0 | 0 | 695.57 | 695.41 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 393,555.93 | 2.03 |
| B02028-B02026 | 8 | 0 | 0.008 | 0.7 | 0 | 0 | 685.39 | 684.51 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 844,956.78 | 4.36 |
| B02022-B02020 | 8 | 173 | 0.004 | 0.9 | 0 | 0 | 689.31 | 688.63 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 575,338.24 | 2.97 |
| B01065-B01063 | 8 | 134 | 0.043 | 0 | 0 | 0 | 701.53 | 695.66 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,917,508.97 | 9.89 |
| B01063-B01061 | 8 | 229 | 0.038 | 0 | 0 | 0 | 695.66 | 686.88 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,807,246.22 | 9.32 |
| B01035-B01033 | 8 | 294 | 0.041 | 1.2 | 0 | 0 | 695.41 | 683.4 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,865,458.73 | 9.62 |
| B01061-B01057 | 8 | 136.7 | 0.014 | 0 | 0 | 0 | 686.88 | 685.03 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,076,475.67 | 5.55 |
| B01057-B01055 | 8 | 0 | 0.006 | 0 | 0 | 0 | 685.03 | 684.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 724,563.61 | 3.74 |
| B01055-B01052 | 8 | 0 | 0.008 | 0.8 | 0 | 0 | 684.5 | 683.15 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 815,326.65 | 4.20 |
| C02004-C02003 | 8 | 98 | 0.02 | 10.4 | 0 | 0 | 629 | 627 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,318,529.25 | 6.80 |
| C02116-C02114 | 8 | 300 | 0.024 | 0.8 | 0 | 0 | 647.85 | 640.48 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,444,236.46 | 7.45 |
| E03167-E03165 | 8 | 154 | 0.006 | 0 | 0 | 0 | 569 | 568 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 743,750.80 | 3.84 |
| E03165-E03163 | 8 | 100 | 0.01 | 0 | 0 | 0 | 568 | 567 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 922,970.47 | 4.76 |
| E03163-E03161 | 8 | 206 | 0.01 | 0.9 | 0 | 0 | 567 | 565 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 909,429.83 | 4.69 |
| E03149-E03147 | 4 | 72 | 0.021 | 2.6 | 0 | 0 | 561 | 559.5 | Vitrified Clay Pipe-Circular-4 inch | 0.1 | 209,807.27 | 3.25 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|-------------------------------------|-------------------------------------|----------------|-----------------------------|
| E03153-E03151 | 8 | 66 | 0.015 | 1.2 | 0 | 0 | 561 | 560 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,136,098.12 | 5.86 |
| D03082-D03081 | 8 | 216 | 0.014 | 0 | 0 | 0 | 620 | 617 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,087,731.13 | 5.61 |
| D03081-D03079 | 8 | 222 | 0.009 | 0.9 | 0 | 0 | 617 | 615 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 876,044.80 | 4.52 |
| D02049-D02047 | 8 | 253 | 0.008 | 2.6 | 0 | 0 | 606 | 604 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 820,620.84 | 4.23 |
| D04055-D04053 | 8 | 291 | 0.01 | 2.8 | 0 | 0 | 583 | 580 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 937,134.53 | 4.83 |
| E04015-E04013 | 6 | 114 | 0.061 | 3.5 | 0 | 0 | 564 | 557 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 1,061,975.35 | 8.22 |
| E03201-E03199 | 8 | 302 | 0.003 | 0 | 0 | 0 | 566 | 565 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 531,109.83 | 2.74 |
| E03199-E03197 | 8 | 101 | 0.005 | 0 | 0 | 0 | 565 | 564.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 649,399.76 | 3.35 |
| E03197-E03195 | 8 | 88 | 0.006 | 1.4 | 0 | 0 | 564.5 | 564 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 695,715.17 | 3.59 |
| E03025-E03023 | 8 | 221 | 0.019 | 0 | 0 | 0 | 556.66 | 552.44 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,275,404.36 | 6.58 |
| E03039-E03037 | 8 | 204 | 0.029 | 0 | 0 | 0 | 562.19 | 556.2 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,581,561.68 | 8.16 |
| E03037-E03035 | 8 | 227 | 0.007 | 0 | 0 | 0 | 556.2 | 554.57 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 782,111.52 | 4.03 |
| E03043-E03041 | 8 | 218 | 0.029 | 0 | 0 | 0 | 561.17 | 554.89 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,566,532.40 | 8.08 |
| E03041-E03033 | 8 | 242 | 0.005 | 0 | 0 | 0 | 554.89 | 553.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 619,431.62 | 3.19 |
| E03023-E03021 | 8 | 209 | 0.004 | 0 | 0 | 0 | 552.44 | 551.62 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 578,124.79 | 2.98 |
| E03035-E03033 | 8 | 253 | 0.003 | 0 | 0 | 0 | 554.57 | 553.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 509,181.84 | 2.63 |
| E03033-E03027 | 8 | 300 | 0.004 | 0 | 0 | 0 | 553.8 | 552.69 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 561,421.02 | 2.90 |
| E03031-E03029 | 8 | 192 | 0.025 | 0 | 0 | 0 | 558.26 | 553.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,453,251.13 | 7.50 |
| E03029-E03027 | 8 | 238 | 0.003 | 0 | 0 | 0 | 553.5 | 552.69 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 538,445.61 | 2.78 |
| E03027-E03021 | 8 | 252 | 0.004 | 0 | 0 | 0 | 552.69 | 551.62 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 601,422.16 | 3.10 |
| E03021-E03019 | 8 | 114 | 0.004 | 0 | 0 | 0 | 551.62 | 551.13 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 605,108.73 | 3.12 |
| E03019-E03017 | 8 | 15 | 0.009 | 0 | 0 | 0 | 551.13 | 551 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 859,238.75 | 4.43 |
| E03017-E03013 | 8 | 108 | 0.005 | 2.2 | 0 | 0 | 551 | 550.46 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 652,638.68 | 3.37 |
| E03171-E03169 | 4 | 122 | 0.012 | 3.6 | 0 | 0 | 558 | 556.5 | Vitrified Clay Pipe-Circular-4 inch | 0.1 | 161,178.41 | 2.49 |
| E03175-E03173 | 8 | 77 | 0.013 | 0 | 0 | 0 | 559 | 558 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,051,822.47 | 5.42 |
| E03173-E03169 | 8 | 299 | 0.005 | 1.8 | 0 | 0 | 558 | 556.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 653,729.14 | 3.37 |
| D04121-D04117 | 6 | 14 | 0.071 | 1.7 | 0 | 0 | 571 | 570 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 1,145,391.16 | 8.86 |
| E05099-E05097 | 8 | 13 | 0.462 | 4.3 | 0 | 0 | 540 | 534 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 6,270,349.61 | 32.34 |
| F04109-F04107 | 8 | 7 | 0.143 | 2.2 | 0 | 0 | 533 | 532 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,488,500.48 | 17.99 |
| G02037-G02035 | 8 | 242 | 0.004 | 0 | 0 | 0 | 512.1 | 511.22 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 556,572.14 | 2.87 |
| G02035-G02033 | 8 | 166 | 0.004 | 0 | 0 | 0 | 511.22 | 510.51 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 603,619.05 | 3.11 |
| G02033-G02031 | 8 | 95 | 0.005 | 7.3 | 0 | 0 | 510.51 | 509.99 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 682,853.71 | 3.52 |
| F03117-F03115 | 8 | 61 | 0.016 | 0 | 0 | 0 | 539 | 538 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,181,742.60 | 6.09 |
| F03115-F03113 | 8 | 187 | 0.005 | 0 | 0 | 0 | 538 | 537 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 674,942.85 | 3.48 |
| F03113-F03111 | 8 | 70 | 0.014 | 0 | 0 | 0 | 537 | 536 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,103,160.71 | 5.69 |
| G02041-G02039 | 8 | 125 | 0.003 | 0 | 0 | 0 | 512.58 | 512.22 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 495,317.93 | 2.55 |
| G02039-G02027 | 8 | 203 | 0.004 | 5.7 | 0 | 0 | 512.22 | 511.36 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 600,743.41 | 3.10 |
| F02059-F02057 | 8 | 71 | 0.011 | 5.2 | 0 | 0 | 524.77 | 524 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 961,178.38 | 4.96 |
| F02055-F02053 | 8 | 80 | 0.004 | 0 | 0 | 0 | 538.64 | 538.29 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 610,487.58 | 3.15 |
| G02023-G02021 | 8 | 176 | 0.003 | 5.7 | 0 | 0 | 512.77 | 512.22 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 515,956.18 | 2.66 |
| G02043-G02017 | 8 | 156 | 0.004 | 5.3 | 0 | 0 | 513.94 | 513.38 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 552,992.86 | 2.85 |
| F02009-F02007 | 8 | 106 | 0.012 | 1.8 | 0 | 0 | 536 | 534.73 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,010,268.32 | 5.21 |
| G02045-G02015 | 8 | 132 | 0.003 | 5.8 | 0 | 0 | 514.7 | 514.25 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 538,898.65 | 2.78 |
| G02047-G02013 | 8 | 138 | 0.005 | 5.8 | 0 | 0 | 515.82 | 515.13 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 652,638.68 | 3.37 |
| F02051-F02049 | 8 | 109 | 0.022 | 0.7 | 0 | 0 | 534.71 | 532.27 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,380,923.03 | 7.12 |
| F02053-F01007 | 8 | 258 | 0.004 | 0 | 0 | 0 | 538.29 | 537.24 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 588,806.51 | 3.04 |
| F01007-F01005 | 8 | 109 | 0.019 | 0 | 0 | 0 | 537.24 | 535.12 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,287,189.50 | 6.64 |
| F01005-F01003 | 8 | 134 | 0.011 | 0 | 0 | 0 | 535.12 | 533.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 950,122.45 | 4.90 |
| F01003-F01001 | 8 | 125 | 0.009 | 0 | 0 | 0 | 533.7 | 532.57 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 877,550.31 | 4.53 |
| F01025-F01023 | 8 | 93 | 0.006 | 0 | 0 | 0 | 532.52 | 531.94 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 728,887.21 | 3.76 |
| F01023-F01017 | 8 | 160 | 0.019 | 0 | 0 | 0 | 531.94 | 528.92 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,268,035.14 | 6.54 |
| F01027-F01015 | 8 | 175 | 0.005 | 0 | 0 | 0 | 528.42 | 527.52 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 661,896.43 | 3.41 |
| G02051-G02009 | 8 | 210 | 0.007 | 4.1 | 0 | 0 | 522.35 | 520.97 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 748,200.00 | 3.86 |
| G02049-G02011 | 8 | 144 | 0.004 | 5.2 | 0 | 0 | 517.16 | 516.58 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 585,761.14 | 3.02 |
| F02037-F02035 | 8 | 351 | 0.003 | 1.8 | 0 | 0 | 529.71 | 528.51 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 539,665.77 | 2.78 |
| F02035-F02033 | 8 | 112 | 0.005 | 0 | 0 | 0 | 530.32 | 529.71 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 681,151.49 | 3.51 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|-------------------------------------|-------------------------------------|----------------|-----------------------------|
| F02033-F02031 | 8 | 130 | 0.004 | 0 | 0 | 0 | 530.82 | 530.32 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 572,401.99 | 2.95 |
| F02031-F02029 | 8 | 298 | 0.016 | 0 | 0 | 0 | 535.55 | 530.82 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,162,813.98 | 6.00 |
| F02067-F02015 | 8 | 165 | 0.004 | 0 | 0 | 0 | 536.16 | 535.43 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 613,913.62 | 3.17 |
| F02027-F02025 | 8 | 100 | 0.002 | 0 | 0 | 0 | 536.41 | 536.24 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 380,550.47 | 1.96 |
| F02029-F02025 | 8 | 104 | 0.007 | 0 | 0 | 0 | 536.24 | 535.55 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 751,788.51 | 3.88 |
| F02025-F02023 | 8 | 109 | 0.008 | 0 | 0 | 0 | 537.14 | 536.24 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 838,679.09 | 4.33 |
| F02063-F02019 | 8 | 183 | 0.007 | 0 | 0 | 0 | 538.73 | 537.36 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 798,587.57 | 4.12 |
| F02065-F02017 | 8 | 154 | 0.004 | 0 | 0 | 0 | 537.02 | 536.38 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 595,000.64 | 3.07 |
| F02021-F02019 | 8 | 192 | 0.004 | 0 | 0 | 0 | 538.06 | 537.36 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 557,296.37 | 2.87 |
| F02019-F02017 | 8 | 226 | 0.004 | 0 | 0 | 0 | 537.36 | 536.38 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 607,780.31 | 3.13 |
| F02017-F02015 | 8 | 249 | 0.004 | 0 | 0 | 0 | 536.38 | 535.43 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 570,098.55 | 2.94 |
| F02015-F02013 | 8 | 246 | 0.004 | 0 | 0 | 0 | 535.43 | 534.35 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 611,550.23 | 3.15 |
| F02013-F02011 | 8 | 173 | 0.006 | 0.8 | 0 | 0 | 534.35 | 533.28 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 725,866.32 | 3.74 |
| D01073-D01071 | 8 | 76 | 0.007 | 0 | 0 | 0 | 608.15 | 607.64 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 756,077.13 | 3.90 |
| D01075-D01071 | 8 | 105 | 0.004 | 0 | 0 | 0 | 608.1 | 607.64 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 610,902.74 | 3.15 |
| D01059-D01057 | 8 | 195 | 0.029 | 0 | 0 | 0 | 613.23 | 607.61 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,566,890.54 | 8.08 |
| D01053-D01051 | 8 | 268 | 0.017 | 0 | 0 | 0 | 615.23 | 610.73 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,195,987.57 | 6.17 |
| D01061-D01057 | 8 | 117 | 0.009 | 0 | 0 | 0 | 608.63 | 607.61 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 861,777.13 | 4.44 |
| D01057-D01055 | 8 | 369 | 0.006 | 0 | 0 | 0 | 607.61 | 605.3 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 730,265.21 | 3.77 |
| D01055-E01023 | 8 | 299 | 0.008 | 0 | 0 | 0 | 605.3 | 602.77 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 849,009.35 | 4.38 |
| E01023-E01021 | 8 | 190 | 0.01 | 0 | 0 | 0 | 602.77 | 600.9 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 915,654.87 | 4.72 |
| D01051-D01049 | 8 | 252 | 0.019 | 0 | 0 | 0 | 610.73 | 605.93 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,273,820.27 | 6.57 |
| D01049-E01021 | 8 | 302 | 0.017 | 0 | 0 | 0 | 605.93 | 600.9 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,191,155.14 | 6.14 |
| E01021-E01019 | 8 | 111 | 0.036 | 0 | 0 | 0 | 600.9 | 596.94 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,743,307.15 | 8.99 |
| E01035-E01033 | 8 | 289 | 0.004 | 0 | 0 | 0 | 594.25 | 593.17 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 564,222.97 | 2.91 |
| E01019-E01017 | 8 | 175 | 0.047 | 0 | 0 | 0 | 596.94 | 588.73 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,999,126.89 | 10.31 |
| E03225-E03223 | 8 | 57 | 0.018 | 0 | 0 | 0 | 554 | 553 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,222,504.25 | 6.30 |
| E03223-E03221 | 8 | 104 | 0.01 | 0 | 0 | 0 | 553 | 552 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 905,047.01 | 4.67 |
| E05127-E05125 | 8 | 15 | 0.067 | 1.2 | 0 | 0 | 532 | 531 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,383,099.51 | 12.29 |
| E04155-E04141 | 6 | 125 | 0.024 | 4.3 | 0 | 0 | 535 | 532 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 663,931.79 | 5.14 |
| E04145-E04143 | 6 | 124 | 0.032 | 3.5 | 0 | 0 | 539 | 535 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 769,727.49 | 5.95 |
| E04139-E04137 | 6 | 122 | 0.025 | 4.7 | 0 | 0 | 533 | 530 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 672,045.31 | 5.20 |
| E02053-E02051 | 8 | 205 | 0.006 | 0 | 0 | 0 | 591.25 | 589.98 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 726,461.72 | 3.75 |
| F02075-F02074 | 8 | 222.9 | 0.007 | 2.5 | 0 | 0 | 539.38 | 537.79 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 767,401.16 | 3.96 |
| E02095-E02094 | 8 | 141 | 0.062 | 0 | 0 | 0 | 562.82 | 556.32 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,296,412.15 | 11.84 |
| E02094-E02092 | 8 | 192 | 0.015 | 0 | 0 | 0 | 556.32 | 552.78 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,132,805.91 | 5.84 |
| E02092-E02088 | 8 | 278 | 0.006 | 0 | 0 | 0 | 552.78 | 551.14 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 702,613.54 | 3.62 |
| E02090-E02088 | 8 | 170 | 0.006 | 0 | 0 | 0 | 552.1 | 551.14 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 685,565.26 | 3.54 |
| E02088-F02196 | 8 | 160 | 0.004 | 8.9 | 0 | 0 | 551.14 | 550.46 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 594,319.99 | 3.07 |
| E03233-E03231 | 8 | 172 | 0.006 | 0 | 0 | 0 | 547 | 546 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 703,758.39 | 3.63 |
| E03231-E03229 | 8 | 79 | 0.013 | 0 | 0 | 0 | 546 | 545 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,038,422.91 | 5.36 |
| D02113-D02111 | 8 | 148 | 0.03 | 0 | 0 | 0 | 598.46 | 594.06 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,591,414.42 | 8.21 |
| E02035-E02033 | 8 | 140 | 0.007 | 0 | 0 | 0 | 569.51 | 568.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 783,942.98 | 4.04 |
| E03205-E03203 | 8 | 138 | 0.036 | 0 | 0 | 0 | 552 | 547 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,756,844.27 | 9.06 |
| E03203-F03127 | 8 | 264 | 0.004 | 0 | 0 | 0 | 547 | 546 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 568,049.06 | 2.93 |
| F03127-F03125 | 8 | 277 | 0.004 | 0 | 0 | 0 | 546 | 545 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 554,559.21 | 2.86 |
| F03125-F03123 | 8 | 305 | 0.016 | 0 | 0 | 0 | 545 | 540 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,181,742.60 | 6.09 |
| F03123-F03121 | 8 | 295 | 0.01 | 0 | 0 | 0 | 540 | 537 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 930,759.39 | 4.80 |
| F03121-F03119 | 8 | 183 | 0.005 | 0 | 0 | 0 | 537 | 536 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 682,279.41 | 3.52 |
| F03111-F03109 | 8 | 108 | 0.009 | 0 | 0 | 0 | 536 | 535 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 888,128.75 | 4.58 |
| F03119-F03109 | 8 | 34 | 0.029 | 0 | 0 | 0 | 536 | 535 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,582,881.30 | 8.16 |
| F03109-F03107 | 8 | 241 | 0.004 | 0 | 0 | 0 | 535 | 534 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 594,537.55 | 3.07 |
| F03107-F03105 | 8 | 273 | 0.004 | 0 | 0 | 0 | 534 | 533 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 558,607.14 | 2.88 |
| F03105-F03103 | 8 | 241 | 0.001 | 0 | 0 | 0 | 533 | 532.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 265,885.27 | 1.37 |
| F02180-F02178 | 8 | 298 | 0.006 | 0 | 0 | 0 | 556.12 | 554.45 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 688,629.17 | 3.55 |
| F02178-F02176 | 8 | 239 | 0.006 | 0 | 0 | 0 | 554.45 | 553.06 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 695,203.84 | 3.59 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|-------------------------------------|------------------------|----------------|-----------------------------|
| F02176-F02175 | 8 | 48 | 0.023 | 0.6 | 0 | 0 | 553.06 | 551.77 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,400,840.37 | 7.22 |
| F02194-F02192 | 8 | 245 | 0.004 | 8.4 | 0 | 0 | 551.05 | 549.88 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 604,226.01 | 3.12 |
| E03221-E03219 | 8 | 43 | 0.023 | 0 | 0 | 0 | 552 | 551 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,407,516.77 | 7.26 |
| E03219-E03217 | 8 | 83 | 0.012 | 0 | 0 | 0 | 551 | 550 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,013,091.71 | 5.22 |
| E03217-E03215 | 8 | 308 | 0.019 | 0 | 0 | 0 | 550 | 544 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,288,214.18 | 6.64 |
| F03135-E03215 | 8 | 337 | 0.003 | 0 | 0 | 0 | 545 | 544 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 502,774.05 | 2.59 |
| E03215-E03213 | 8 | 301 | 0.002 | 0 | 0 | 0 | 544 | 543.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 376,174.68 | 1.94 |
| E03227-E03213 | 8 | 88 | 0.04 | 0 | 0 | 0 | 547 | 543.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,840,689.32 | 9.49 |
| E03213-E03211 | 8 | 72 | 0.007 | 0 | 0 | 0 | 543.5 | 543 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 769,142.06 | 3.97 |
| E03211-E03209 | 8 | 34 | 0.015 | 0 | 0 | 0 | 543 | 542.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,119,266.10 | 5.77 |
| E03209-E03207 | 8 | 69 | 0.007 | 0 | 0 | 0 | 542.5 | 542 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 785,684.64 | 4.05 |
| E03229-E03207 | 8 | 137 | 0.022 | 0 | 0 | 0 | 545 | 542 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,365,803.28 | 7.04 |
| E03207-F03133 | 8 | 262 | 0.004 | 0 | 0 | 0 | 542 | 541 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 570,213.06 | 2.94 |
| F03133-F03131 | 8 | 300 | 0.007 | 0 | 0 | 0 | 541 | 539 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 753,602.23 | 3.89 |
| F03131-F03129 | 8 | 281 | 0.014 | 0 | 0 | 0 | 539 | 535 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,101,196.04 | 5.68 |
| F03103-F03101 | 8 | 45 | 0.007 | 0 | 0 | 0 | 532.8 | 532.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 753,602.23 | 3.89 |
| F03101-F03099 | 8 | 189 | 0.005 | 0 | 0 | 0 | 532.5 | 531.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 671,362.23 | 3.46 |
| F03129-F03099 | 8 | 289 | 0.012 | 0 | 0 | 0 | 535 | 531.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,015,717.44 | 5.24 |
| F03099-F03097 | 8 | 76 | 0.007 | 0 | 0 | 0 | 531.5 | 531 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 748,627.91 | 3.86 |
| F03097-F03095 | 8 | 45 | 0.007 | 0 | 0 | 0 | 531 | 530.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 753,602.23 | 3.89 |
| F03095-F03093 | 8 | 221 | 0.003 | 0 | 0 | 0 | 530.7 | 530 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 519,446.34 | 2.68 |
| F03093-F03091 | 8 | 95 | 0.011 | 0 | 0 | 0 | 530 | 529 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 946,947.72 | 4.88 |
| F01030-F02159 | 8 | 148 | 0.004 | 0.8 | 0 | 0 | 542.25 | 541.62 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 600,157.10 | 3.10 |
| F02096-F02094 | 8 | 306 | 0.002 | 1.3 | 0 | 0 | 544.5 | 544 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 453,615.24 | 2.34 |
| F03091-F03089 | 8 | 237 | 0.013 | 10.1 | 0 | 0 | 529 | 526 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,038,422.91 | 5.36 |
| E04161-E04159 | 8 | 22 | 0.045 | 0.7 | 0 | 0 | 538 | 537 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,967,779.66 | 10.15 |
| F03167-F03165 | 8 | 375 | 0.011 | 0 | 0 | 0 | 530.36 | 526.07 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 987,190.16 | 5.09 |
| F04159-F04157 | 8 | 284 | 0.009 | 0 | 0 | 0 | 527.48 | 524.82 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 893,242.66 | 4.61 |
| F04155-F04153 | 8 | 294 | 0.007 | 0 | 0 | 0 | 525.34 | 523.18 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 791,117.55 | 4.08 |
| F03173-F03171 | 8 | 284 | 0.009 | 0 | 0 | 0 | 531.22 | 528.54 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 896,594.43 | 4.62 |
| F03175-F03169 | 8 | 284 | 0.012 | 0 | 0 | 0 | 530.6 | 527.32 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 991,894.68 | 5.12 |
| F03171-F03169 | 8 | 242 | 0.005 | 0 | 0 | 0 | 528.54 | 527.32 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,329.98 | 3.38 |
| F03169-F03165 | 8 | 186 | 0.007 | 0 | 0 | 0 | 527.32 | 526.07 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 756,634.85 | 3.90 |
| F03165-F04157 | 8 | 237 | 0.005 | 0 | 0 | 0 | 526.07 | 524.82 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 670,299.11 | 3.46 |
| F04157-F04153 | 8 | 242 | 0.007 | 0 | 0 | 0 | 524.82 | 523.18 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 759,804.83 | 3.92 |
| F04153-F04147 | 8 | 224 | 0.009 | 10.3 | 0 | 0 | 523.18 | 521.2 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 867,753.54 | 4.48 |
| F03087-F03085 | 8 | 24 | 0.042 | 12.5 | 0 | 0 | 526 | 525 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,884,005.59 | 9.72 |
| F05101-F05077 | 8 | 20 | 0.05 | 27.3 | 0 | 0 | 508 | 507 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,063,824.72 | 10.64 |
| G05139-G05137 | 8 | 193 | 0.005 | 1.8 | 0 | 0 | 484 | 483 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 664,368.68 | 3.43 |
| F05029-F05025 | 8 | 173 | 0.012 | 1.6 | 0 | 0 | 499 | 497 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 992,384.00 | 5.12 |
| F05027-F05025 | 8 | 161 | 0.006 | 1.6 | 0 | 0 | 498 | 497 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 727,402.63 | 3.75 |
| F05117-F05103 | 8 | 33 | 0.03 | 11.4 | 0 | 0 | 505 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,606,685.36 | 8.29 |
| F05115-F05113 | 8 | 32 | 0.031 | 14.5 | 0 | 0 | 510 | 509 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,631,596.70 | 8.41 |
| F04111-F04103 | 8 | 126 | 0.032 | 3.3 | 0 | 0 | 532 | 528 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,644,494.90 | 8.48 |
| F04115-F04099 | 6 | 125 | 0.032 | 5.3 | 0 | 0 | 528 | 524 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 766,642.40 | 5.93 |
| F04113-F04101 | 8 | 125 | 0.024 | 3.8 | 0 | 0 | 529 | 526 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,429,859.71 | 7.37 |
| G02001-G03041 | 8 | 294 | 0.006 | 1.2 | 0 | 0 | 512.73 | 510.87 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 734,126.01 | 3.79 |
| D09007-D09005 | 8 | 72 | 0 | 50 | 0 | 0 | 433 | 433 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 0 | 0.00 |
| D09005-D09003 | 8 | 62 | 0 | 50 | 0 | 0 | 433 | 433 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 0 | 0.00 |
| D09003-D09001 | 8 | 52 | 0 | 50 | 0 | 0 | 433 | 433 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 0 | 0.00 |
| D09001-E09033 | 8 | 61 | 0 | 50 | 0 | 0 | 433 | 433 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 0 | 0.00 |
| E09033-E09031 | 8 | 61 | 0 | 50 | 0 | 0 | 433 | 433 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 0 | 0.00 |
| E09031-E09029 | 8 | 63 | 0.016 | 29.3 | 0 | 0 | 433 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,162,833.49 | 6.00 |
| E09029-E09027 | 8 | 57 | 0 | 58.6 | 0 | 0 | 432 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 0 | 0.00 |
| E09027-E09025 | 8 | 63 | 0 | 58.6 | 0 | 0 | 432 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 0 | 0.00 |
| E09025-E09023 | 8 | 56 | 0 | 58.6 | 0 | 0 | 432 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 0 | 0.00 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| C06087-C06085 | 8 | 6 | 0.167 | 0.4 | 0 | 0 | 606 | 605 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,768,011.17 | 19.43 |
| C05031-C05029 | 8 | 102 | 0.01 | 1.6 | 0 | 0 | 692 | 691 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 913,876.95 | 4.71 |
| C07071-C07065 | 6 | 88 | 0.023 | 1.9 | 0 | 0 | 527 | 525 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 646,087.75 | 5.00 |
| C08019-C08017 | 8 | 45 | 0.102 | 0 | 0 | 0 | 531.25 | 526.67 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,944,518.51 | 15.19 |
| C08017-C08015 | 8 | 309 | 0.024 | 0 | 0 | 0 | 526.67 | 519.28 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,427,351.01 | 7.36 |
| C08015-C08013 | 8 | 106 | 0.015 | 0 | 0 | 0 | 519.28 | 517.72 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,119,688.39 | 5.77 |
| C08013-C08011 | 8 | 134 | 0.02 | 0 | 0 | 0 | 517.72 | 515.1 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,290,583.34 | 6.66 |
| C08011-C08009 | 8 | 309 | 0.012 | 0 | 0 | 0 | 515.1 | 511.53 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 992,070.82 | 5.12 |
| C08009-C08007 | 8 | 47 | 0.018 | 0 | 0 | 0 | 511.53 | 510.69 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,233,895.90 | 6.36 |
| C08007-C08005 | 8 | 81 | 0.009 | 5.1 | 0 | 0 | 510.69 | 510 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 851,863.17 | 4.39 |
| D07107-D07131 | 8 | 277 | 0.014 | 2.2 | 0 | 0 | 503 | 499 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,109,118.42 | 5.72 |
| E09093-E09087 | 8 | 49 | 0 | 58.2 | 0 | 0 | 431 | 431 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 0 | 0.00 |
| E09089-E09087 | 8 | 149 | 0 | 58.2 | 0 | 0 | 431 | 431 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 0 | 0.00 |
| E09091-E09087 | 8 | 6 | 0 | 58.2 | 0 | 0 | 431 | 431 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 0 | 0.00 |
| D06093-D06091 | 8 | 338 | 0.015 | 2.1 | 0 | 0 | 553 | 548 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,122,572.66 | 5.79 |
| D07093-D07091 | 8 | 195 | 0.036 | 11.9 | 0 | 0 | 492 | 485 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,748,716.96 | 9.02 |
| D06147-D06143 | 10 | 24 | 0.021 | 6.8 | 0 | 0 | 504 | 503.5 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,415,426.85 | 7.47 |
| E06073-E06071 | 8 | 9 | 0.111 | 2.3 | 0 | 0 | 518 | 517 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,076,568.24 | 15.87 |
| E08031-E08029 | 15 | 262 | 0.008 | 1 | 0 | 0 | 459 | 457 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,310,776.95 | 5.56 |
| E09101-E09099 | 8 | 99 | 0.01 | 1.9 | 0 | 0 | 429 | 428 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 927,620.23 | 4.78 |
| E10025-E10023 | 8 | 230 | 0.004 | 0 | 0 | 0 | 428 | 427 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 608,588.71 | 3.14 |
| E10023-E09097 | 8 | 287 | 0.007 | 2.6 | 0 | 0 | 427 | 425 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 770,480.86 | 3.97 |
| E10019-E10017 | 15 | 400 | 0.01 | 0 | 0 | 0 | 425 | 421 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,933,909.73 | 6.36 |
| E10017-E10015 | 15 | 402 | 0.002 | 0 | 0 | 0 | 421 | 420 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,460,810.51 | 3.17 |
| E10015-E10013 | 15 | 317 | 0.003 | 1.5 | 0 | 0 | 420 | 419 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,771,159.79 | 3.57 |
| E09067-E09065 | 8 | 231 | 0.013 | 3.1 | 0 | 0 | 425 | 422 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,051,822.47 | 5.42 |
| F09009-F09007 | 8 | 154 | 0.007 | 0 | 0 | 0 | 423 | 421.93 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 769,341.81 | 3.97 |
| F09007-F09005 | 8 | 49 | 0.003 | 3.2 | 0 | 0 | 421.93 | 421.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 475,402.48 | 2.45 |
| E09055-E09053 | 8 | 32 | 0.031 | 1.9 | 0 | 0 | 445 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,631,596.70 | 8.41 |
| F09073-F09071 | 8 | 217 | 0.009 | 0 | 0 | 0 | 420 | 418 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 886,080.01 | 4.57 |
| F09071-F09069 | 8 | 215 | 0.009 | 0 | 0 | 0 | 418 | 416 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 890,191.77 | 4.59 |
| F09069-F09067 | 8 | 263 | 0.004 | 1.6 | 0 | 0 | 416 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 569,127.97 | 2.94 |
| G11053-G11051 | 8 | 125 | 0.008 | 2.6 | 0 | 0 | 387 | 386 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 825,529.89 | 4.26 |
| H06053-H06051 | 8 | 142 | 0.007 | 1.2 | 0 | 0 | 449 | 448 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 774,539.61 | 3.99 |
| G04067-G04065 | 8 | 15 | 0.033 | 0 | 0 | 0 | 495 | 494.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,685,105.82 | 8.69 |
| G04065-G04063 | 8 | 199 | 0.003 | 2.8 | 0 | 0 | 494.5 | 494 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 462,643.29 | 2.39 |
| G03007-G03005 | 8 | 256 | 0.004 | 0 | 0 | 0 | 495 | 494 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| G03005-G03003 | 8 | 186 | 0.005 | 2.2 | 0 | 0 | 494 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 676,754.78 | 3.49 |
| H06011-H06009 | 8 | 23 | 0.026 | 17.2 | 0 | 0 | 440 | 439.41 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,478,256.83 | 7.62 |
| D16031-D17011 | 8 | 129 | 0.053 | 0 | 0 | 0 | 633.16 | 626.34 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,122,194.28 | 10.95 |
| E18083-E18081 | 8 | 288 | 0.009 | 0 | 0 | 0 | 539.07 | 536.53 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 866,779.08 | 4.47 |
| E18081-E18079 | 8 | 288 | 0.01 | 0 | 0 | 0 | 536.53 | 533.76 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 905,172.70 | 4.67 |
| E18075-E18073 | 8 | 327 | 0.014 | 0 | 0 | 0 | 545.18 | 540.69 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,081,526.34 | 5.58 |
| E18077-E18055 | 8 | 259 | 0.008 | 4 | 0 | 0 | 532 | 529.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 850,646.79 | 4.39 |
| E18085-D18033 | 8 | 304 | 0.006 | 0 | 0 | 0 | 536.94 | 534.99 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 739,210.83 | 3.81 |
| D18033-D18031 | 8 | 298 | 0.007 | 0 | 0 | 0 | 534.99 | 532.93 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 767,384.96 | 3.96 |
| D18031-D18029 | 8 | 298 | 0.007 | 0 | 0 | 0 | 532.93 | 530.71 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 796,629.09 | 4.11 |
| E18073-E18071 | 8 | 315 | 0.015 | 0 | 0 | 0 | 540.69 | 536 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,126,208.89 | 5.81 |
| E18071-E18057 | 8 | 326 | 0.009 | 3.2 | 0 | 0 | 536 | 533.21 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 853,849.07 | 4.40 |
| E18087-D18039 | 8 | 301 | 0.003 | 0 | 0 | 0 | 538 | 537.02 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 526,644.55 | 2.72 |
| D18039-D18037 | 8 | 301 | 0.007 | 0 | 0 | 0 | 537.02 | 534.87 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 780,052.42 | 4.02 |
| D18037-D18035 | 8 | 300 | 0.007 | 0 | 0 | 0 | 534.87 | 532.69 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 786,783.83 | 4.06 |
| D18035-D18029 | 8 | 288 | 0.007 | 0 | 0 | 0 | 532.69 | 530.71 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 765,286.69 | 3.95 |
| E18079-D18027 | 8 | 319 | 0.006 | 0 | 0 | 0 | 533.76 | 531.94 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 697,153.09 | 3.60 |
| D18027-D18025 | 8 | 319 | 0.005 | 0 | 0 | 0 | 531.94 | 530.29 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 663,795.70 | 3.42 |
| D18029-D18023 | 8 | 288 | 0.014 | 0 | 0 | 0 | 530.71 | 526.75 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,082,278.81 | 5.58 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| D18025-D18023 | 8 | 321 | 0.011 | 0 | 0 | 0 | 530.29 | 526.75 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 969,252.48 | 5.00 |
| D18023-D18021 | 8 | 284 | 0.007 | 0 | 0 | 0 | 526.75 | 524.9 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 744,928.35 | 3.84 |
| E18053-E18051 | 8 | 130 | 0.014 | 3 | 0 | 0 | 530 | 528.15 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,101,037.21 | 5.68 |
| D18021-D18019 | 8 | 152 | 0.007 | 0 | 0 | 0 | 524.9 | 523.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 785,167.57 | 4.05 |
| D18041-D18019 | 8 | 74 | 0.029 | 0 | 0 | 0 | 525.97 | 523.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,580,526.62 | 8.15 |
| D18019-D18013 | 8 | 204 | 0.014 | 4 | 0 | 0 | 523.8 | 520.93 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,094,746.77 | 5.65 |
| D17065-D17063 | 12 | 144 | 0.021 | 0 | 0 | 0 | 521 | 518 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,927,750.38 | 7.60 |
| D17063-D17061 | 8 | 97 | 0.031 | 0 | 0 | 0 | 518 | 515 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,623,164.62 | 8.37 |
| D17061-D17059 | 8 | 20 | 0.188 | 12.6 | 0 | 0 | 515 | 511.25 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,996,579.38 | 20.61 |
| D17025-D17023 | 12 | 193 | 0.031 | 1.2 | 0 | 0 | 520 | 514 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 4,798,013.53 | 9.28 |
| D17053-D17047 | 8 | 205 | 0.022 | 2.3 | 0 | 0 | 545.31 | 540.87 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,358,320.83 | 7.01 |
| D17011-D17009 | 8 | 198 | 0.09 | 0 | 0 | 0 | 626.34 | 608.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,770,464.80 | 14.29 |
| D17009-D17007 | 8 | 41 | 0.085 | 0 | 0 | 0 | 608.5 | 605 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,696,683.02 | 13.91 |
| D17007-D17005 | 8 | 51 | 0.078 | 0 | 0 | 0 | 605 | 601.03 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,575,122.97 | 13.28 |
| D17005-D17003 | 8 | 61 | 0.174 | 0 | 0 | 0 | 601.03 | 590.44 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,845,659.86 | 19.83 |
| D17043-D17041 | 8 | 112 | 0.223 | 0 | 0 | 0 | 581.6 | 556.61 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 4,359,753.39 | 22.49 |
| D17055-D17027 | 8 | 239 | 0.021 | 3 | 0 | 0 | 525 | 520 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,334,977.23 | 6.89 |
| D17029-D17027 | 8 | 226 | 0.022 | 3 | 0 | 0 | 525 | 520 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,372,835.78 | 7.08 |
| D17039-D17037 | 8 | 215 | 0.008 | 0.5 | 0 | 0 | 539.13 | 537.33 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 844,510.06 | 4.36 |
| D17041-D17037 | 8 | 324 | 0.06 | 0.5 | 0 | 0 | 556.61 | 537.33 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,251,483.75 | 11.61 |
| D17035-D17033 | 8 | 217 | 0.003 | 2 | 0 | 0 | 528.6 | 527.95 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 505,143.33 | 2.61 |
| D17003-D17001 | 8 | 110 | 0.231 | 0 | 0 | 0 | 590.44 | 565 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 4,438,640.98 | 22.89 |
| D17001-D16029 | 8 | 171 | 0.173 | 0 | 0 | 0 | 565 | 535.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,833,546.72 | 19.77 |
| D16027-D16025 | 8 | 193 | 0.09 | 0 | 0 | 0 | 550.86 | 533.48 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,769,708.34 | 14.28 |
| D16025-D16023 | 8 | 114 | 0.017 | 0 | 0 | 0 | 533.48 | 531.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,216,376.38 | 6.27 |
| D16029-D16023 | 8 | 136 | 0.029 | 0 | 0 | 0 | 535.5 | 531.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,582,881.30 | 8.16 |
| D16023-D16021 | 8 | 107 | 0.203 | 0.6 | 0 | 0 | 531.5 | 509.73 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 4,163,179.47 | 21.47 |
| E18130-E18126 | 8 | 190 | 0.005 | 0 | 0 | 0 | 530 | 529 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 669,593.16 | 3.45 |
| E18128-E18126 | 8 | 106 | 0.01 | 0 | 0 | 0 | 530.09 | 529 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 935,940.25 | 4.83 |
| E18126-E18124 | 8 | 197 | 0.007 | 0 | 0 | 0 | 529 | 527.64 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 766,874.24 | 3.96 |
| E18124-F18045 | 8 | 236 | 0.009 | 0 | 0 | 0 | 527.64 | 525.62 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 853,900.94 | 4.40 |
| F18045-F17041 | 12 | 203 | 0.009 | 0 | 0 | 0 | 525.62 | 523.88 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,519,365.07 | 4.87 |
| D12015-D12013 | 8 | 309 | 0.003 | 0 | 0 | 0 | 430 | 429 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 525,059.56 | 2.71 |
| D12013-D13027 | 8 | 155 | 0.006 | 7.3 | 0 | 0 | 429 | 428 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 741,347.72 | 3.82 |
| E14077-E14075 | 6 | 226 | 0.009 | 4.3 | 0 | 0 | 457 | 455 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 403,161.10 | 3.12 |
| F17011-F17009 | 12 | 336 | 0.01 | 0 | 0 | 0 | 513.23 | 510 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,668,063.25 | 5.16 |
| F17009-F17007 | 12 | 234 | 0.004 | 0 | 0 | 0 | 510 | 509 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,778,920.62 | 3.44 |
| F17007-F17005 | 12 | 250 | 0.004 | 9.2 | 0 | 0 | 509 | 508 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,721,053.99 | 3.33 |
| E17034-E17032 | 8 | 168 | 0.006 | 0 | 0 | 0 | 526 | 525 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 712,087.18 | 3.67 |
| E17032-E17030 | 8 | 152 | 0.007 | 0 | 0 | 0 | 525 | 524 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 748,627.91 | 3.86 |
| F19026-F19024 | 8 | 147 | 0.098 | 1 | 0 | 0 | 609.5 | 595 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,888,956.15 | 14.90 |
| F20003-F20001 | 8 | 262.8 | 0.135 | 0.7 | 0 | 0 | 719.81 | 684.48 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,389,291.95 | 17.48 |
| F19033-F19032 | 8 | 26 | 0.033 | 4.6 | 0 | 0 | 559 | 558.12 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,666,277.24 | 8.59 |
| F19016-F19015 | 8 | 26 | 0.053 | 6.9 | 0 | 0 | 554 | 552.57 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,124,095.04 | 10.95 |
| E17030-F17047 | 8 | 239 | 0.004 | 0 | 0 | 0 | 524 | 523 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 597,019.97 | 3.08 |
| F17047-F17039 | 8 | 241 | 0.004 | 0 | 0 | 0 | 523 | 522.1 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 564,027.84 | 2.91 |
| E18122-E18120 | 8 | 259 | 0.009 | 0 | 0 | 0 | 530.51 | 528.05 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 899,508.93 | 4.64 |
| E18120-E17043 | 8 | 251 | 0.011 | 0 | 0 | 0 | 528.05 | 525.24 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 976,571.64 | 5.04 |
| E17043-E17040 | 8 | 212 | 0.011 | 3 | 0 | 0 | 525.24 | 523 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 948,732.74 | 4.89 |
| F17041-F17039 | 12 | 199 | 0.009 | 0 | 0 | 0 | 523.88 | 522.1 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,573,640.97 | 4.98 |
| F17039-F17037 | 8 | 215 | 0.007 | 0 | 0 | 0 | 522.1 | 520.57 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 778,599.81 | 4.02 |
| F17037-F17035 | 8 | 217 | 0.006 | 0 | 0 | 0 | 520.57 | 519.27 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 714,380.54 | 3.68 |
| F17035-F17033 | 8 | 121 | 0.024 | 6 | 0 | 0 | 519.27 | 516.41 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,418,986.09 | 7.32 |
| E17053-E17051 | 8 | 300 | 0.003 | 0 | 0 | 0 | 524.23 | 523.19 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 543,430.30 | 2.80 |
| E17051-E17050 | 8 | 49 | 0.006 | 0 | 0 | 0 | 523.19 | 522.91 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 697,700.10 | 3.60 |
| E17050-E17048 | 8 | 198 | 0.003 | 0 | 0 | 0 | 522.91 | 522.22 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 544,853.52 | 2.81 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| E17048-E17046 | 8 | 197 | 0.005 | 3.9 | 0 | 0 | 522.22 | 521.33 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 620,368.44 | 3.20 |
| F17032-F17030 | 8 | 167 | 0.011 | 5.8 | 0 | 0 | 518.13 | 516.23 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 984,478.81 | 5.08 |
| F14141-F14137 | 8 | 219 | 0.009 | 0.7 | 0 | 0 | 433 | 431 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 882,024.70 | 4.55 |
| F14139-F14137 | 8 | 72 | 0.028 | 0.7 | 0 | 0 | 433 | 431 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,538,284.12 | 7.93 |
| F13089-F13087 | 8 | 144 | 0.014 | 0.8 | 0 | 0 | 426 | 424 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,087,731.13 | 5.61 |
| E14019-E14017 | 15 | 310 | 0.003 | 0.4 | 0 | 0 | 453 | 452 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,802,272.42 | 3.61 |
| F13073-F13071 | 8 | 213 | 0.005 | 4.2 | 0 | 0 | 413 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 632,408.95 | 3.26 |
| J06095-J06093 | 8 | 62 | 0.017 | 0.8 | 0 | 0 | 435.44 | 434.39 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,201,120.59 | 6.19 |
| J06073-J06071 | 8 | 275 | 0.01 | 0 | 0 | 0 | 428.04 | 425.21 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 936,299.26 | 4.83 |
| J06071-J06069 | 8 | 259 | 0.025 | 0 | 0 | 0 | 425.21 | 418.82 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,449,734.10 | 7.48 |
| J06065-J06063 | 8 | 226 | 0.006 | 0 | 0 | 0 | 434.17 | 432.74 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 734,178.41 | 3.79 |
| J06063-J06061 | 8 | 301 | 0.006 | 0 | 0 | 0 | 432.74 | 430.83 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 735,226.65 | 3.79 |
| J06061-J06059 | 8 | 295 | 0.006 | 0 | 0 | 0 | 430.83 | 428.92 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 742,665.90 | 3.83 |
| J06059-J06057 | 8 | 300 | 0.006 | 3.3 | 0 | 0 | 428.92 | 427.04 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 730,644.47 | 3.77 |
| J07135-J07133 | 8 | 109 | 0.033 | 2.1 | 0 | 0 | 423.72 | 420.09 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,684,332.66 | 8.69 |
| J06055-J06053 | 8 | 181 | 0.007 | 0 | 0 | 0 | 431.69 | 430.38 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 785,207.01 | 4.05 |
| J06053-J06051 | 8 | 180 | 0.007 | 0 | 0 | 0 | 430.38 | 429.07 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 787,385.12 | 4.06 |
| J06051-J06049 | 8 | 290 | 0.007 | 0 | 0 | 0 | 429.07 | 427.03 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 774,112.16 | 3.99 |
| J06049-J06047 | 8 | 292 | 0.006 | 3.2 | 0 | 0 | 427.03 | 425.15 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 740,585.67 | 3.82 |
| H06073-H06071 | 8 | 214 | 0.009 | 4.2 | 0 | 0 | 440.94 | 439.08 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 860,473.29 | 4.44 |
| J06081-J06079 | 8 | 254 | 0.008 | 3.4 | 0 | 0 | 429.34 | 427.25 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 837,228.67 | 4.32 |
| J06069-J06067 | 8 | 38 | 0.036 | 7.2 | 0 | 0 | 418.82 | 417.47 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,739,654.05 | 8.97 |
| J07127-J07125 | 10 | 57 | 0.024 | 6.2 | 0 | 0 | 417 | 415.66 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,565,839.46 | 7.94 |
| D11087-D11085 | 8 | 38 | 0.026 | 0.7 | 0 | 0 | 450 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,497,255.82 | 7.72 |
| H08013-H08009 | 8 | 427 | 0.002 | 6.5 | 0 | 0 | 434 | 433 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 446,656.72 | 2.30 |
| F06139-F06137 | 8 | 303 | 0.013 | 0 | 0 | 0 | 493 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,060,465.36 | 5.47 |
| F06137-F06129 | 8 | 90 | 0.017 | 7.5 | 0 | 0 | 489 | 487.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,191,549.76 | 6.15 |
| F06135-F06133 | 8 | 202 | 0.005 | 0 | 0 | 0 | 490 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 649,399.76 | 3.35 |
| F06133-F06131 | 8 | 231 | 0.004 | 2.6 | 0 | 0 | 489 | 488 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 607,269.99 | 3.13 |
| F07155-F07153 | 8 | 93 | 0.022 | 2.1 | 0 | 0 | 468 | 466 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,353,509.57 | 6.98 |
| F05005-F05003 | 8 | 15 | 0.067 | 2 | 0 | 0 | 501 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,383,099.51 | 12.29 |
| J07071-J07069 | 8 | 289 | 0.004 | 0 | 0 | 0 | 413.5 | 412.45 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 556,331.35 | 2.87 |
| J07069-J07067 | 8 | 300 | 0.003 | 0 | 0 | 0 | 412.45 | 411.41 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 543,430.30 | 2.80 |
| J07067-J07065 | 8 | 293 | 0.004 | 0 | 0 | 0 | 411.41 | 410.16 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 602,849.64 | 3.11 |
| J07065-J07063 | 8 | 301 | 0.005 | 0 | 0 | 0 | 410.16 | 408.64 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,882.97 | 3.38 |
| J07063-J07061 | 8 | 230 | 0.005 | 0 | 0 | 0 | 408.64 | 407.6 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 620,641.14 | 3.20 |
| J07073-J07061 | 8 | 170 | 0.004 | 0 | 0 | 0 | 408.2 | 407.6 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 548,326.17 | 2.83 |
| J07061-J07059 | 8 | 290 | 0.004 | 0 | 0 | 0 | 407.6 | 406.58 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 547,379.96 | 2.82 |
| J07059-J08113 | 8 | 185 | 0.003 | 0 | 0 | 0 | 406.58 | 405.94 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 542,865.11 | 2.80 |
| J08113-J08111 | 8 | 129 | 0.005 | 0 | 0 | 0 | 405.94 | 405.29 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,163.40 | 3.38 |
| J08115-J08111 | 8 | 106 | 0.005 | 0 | 0 | 0 | 405.85 | 405.29 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 670,855.35 | 3.46 |
| J08111-J08109 | 8 | 275 | 0.003 | 0 | 0 | 0 | 405.29 | 404.37 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 533,845.24 | 2.75 |
| J06099-J07159 | 8 | 46 | 0.033 | 0 | 0 | 0 | 422 | 420.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,666,688.81 | 8.60 |
| J06101-J07165 | 8 | 307 | 0.004 | 0 | 0 | 0 | 419.9 | 418.61 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 598,292.38 | 3.09 |
| J07165-J07163 | 8 | 351 | 0.003 | 1.6 | 0 | 0 | 418.61 | 417.41 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 539,665.77 | 2.78 |
| J07159-J07157 | 8 | 287 | 0.006 | 0 | 0 | 0 | 420.5 | 418.77 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 716,588.63 | 3.70 |
| J07167-J07151 | 8 | 69 | 0.006 | 1.7 | 0 | 0 | 413 | 412.57 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 728,613.96 | 3.76 |
| J07157-J07155 | 8 | 253 | 0.006 | 0 | 0 | 0 | 418.77 | 417.24 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 717,750.10 | 3.70 |
| J07155-J07153 | 8 | 143 | 0.007 | 1.3 | 0 | 0 | 417.24 | 416.18 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 794,644.21 | 4.10 |
| J07173-J07145 | 8 | 67 | 0.007 | 1.7 | 0 | 0 | 410.19 | 409.75 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 747,957.19 | 3.86 |
| J07169-J07149 | 8 | 69 | 0.007 | 1.7 | 0 | 0 | 411.89 | 411.44 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 745,365.90 | 3.84 |
| J07171-J07149 | 8 | 69 | 0.007 | 1.7 | 0 | 0 | 411.89 | 411.44 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 745,365.90 | 3.84 |
| J07175-J07143 | 8 | 67 | 0.007 | 1.7 | 0 | 0 | 409.09 | 408.65 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 747,957.19 | 3.86 |
| F06021-F06039 | 8 | 256 | 0.004 | 0 | 0 | 0 | 485 | 484 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| F06039-F06037 | 8 | 329 | 0.012 | 1.2 | 0 | 0 | 484 | 480 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,017,700.19 | 5.25 |
| F09123-F09111 | 8 | 167 | 0.006 | 3.6 | 0 | 0 | 431 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 714,215.99 | 3.68 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| F09107-F09105 | 8 | 152 | 0.007 | 5.6 | 0 | 0 | 428 | 427 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 748,627.91 | 3.86 |
| F08027-F08025 | 8 | 216 | 0.005 | 1.3 | 0 | 0 | 445 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 628,001.86 | 3.24 |
| F09079-G09031 | 8 | 203 | 0.005 | 0 | 0 | 0 | 422 | 421 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 647,798.28 | 3.34 |
| G09031-G09029 | 8 | 215 | 0.005 | 13.1 | 0 | 0 | 421 | 420 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 629,460.64 | 3.25 |
| F07029-F07027 | 8 | 118 | 0.008 | 0 | 0 | 0 | 461 | 460 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 849,663.19 | 4.38 |
| F07027-F07025 | 8 | 335 | 0.006 | 1.1 | 0 | 0 | 460 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 713,149.20 | 3.68 |
| F07031-F07025 | 8 | 199 | 0.005 | 1.1 | 0 | 0 | 459 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 654,276.42 | 3.37 |
| F06049-F06047 | 8 | 128 | 0.016 | 0 | 0 | 0 | 489 | 487 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,153,713.09 | 5.95 |
| F06047-F06045 | 8 | 266 | 0.008 | 0 | 0 | 0 | 487 | 485 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 800,316.90 | 4.13 |
| F06045-F06043 | 8 | 264 | 0.038 | 0 | 0 | 0 | 485 | 475 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,796,328.85 | 9.26 |
| F06043-F06041 | 8 | 375 | 0.003 | 0 | 0 | 0 | 475 | 474 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 476,619.90 | 2.46 |
| F06023-F06005 | 8 | 213 | 0.009 | 3.2 | 0 | 0 | 473 | 471 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 894,361.31 | 4.61 |
| F06041-F06027 | 8 | 335 | 0.006 | 1.5 | 0 | 0 | 474 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 713,149.20 | 3.68 |
| F06019-F06017 | 8 | 195 | 0.015 | 0 | 0 | 0 | 483 | 480 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,144,803.98 | 5.90 |
| F06017-F06015 | 8 | 278 | 0.011 | 0 | 0 | 0 | 480 | 477 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 958,795.61 | 4.94 |
| F06015-F06013 | 8 | 338 | 0.004 | 1.9 | 0 | 0 | 477 | 475.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 614,858.37 | 3.17 |
| F07061-F07059 | 8 | 362 | 0.006 | 3.3 | 0 | 0 | 470 | 468 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 686,038.55 | 3.54 |
| F07035-F07033 | 8 | 83 | 0.012 | 0 | 0 | 0 | 459 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,013,091.71 | 5.22 |
| F07033-F07023 | 8 | 121 | 0.008 | 1 | 0 | 0 | 458 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 839,064.07 | 4.33 |
| F07013-F07007 | 8 | 169 | 0.006 | 2.2 | 0 | 0 | 454 | 453 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 709,977.29 | 3.66 |
| D11049-D11047 | 8 | 117 | 0.025 | 0 | 0 | 0 | 496.79 | 493.86 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,460,591.22 | 7.53 |
| D11047-D11045 | 8 | 72 | 0.025 | 3.7 | 0 | 0 | 493.86 | 492.05 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,463,392.57 | 7.55 |
| C10005-C10003 | 8 | 132 | 0.015 | 2.9 | 0 | 0 | 489 | 487 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,136,098.12 | 5.86 |
| D09061-D09059 | 8 | 20 | 0.05 | 0 | 0 | 0 | 451 | 450 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,063,824.72 | 10.64 |
| C11021-C11019 | 8 | 152 | 0.046 | 2.1 | 0 | 0 | 520 | 513 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,980,683.27 | 10.22 |
| D09059-D09057 | 8 | 38 | 0.026 | 0 | 0 | 0 | 450 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,497,255.82 | 7.72 |
| D09057-D09055 | 8 | 202 | 0.005 | 6.5 | 0 | 0 | 449 | 448 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 649,399.76 | 3.35 |
| G14111-G14109 | 8 | 45 | 0.016 | 0 | 0 | 0 | 400.77 | 400.06 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,159,339.74 | 5.98 |
| G14109-G14107 | 8 | 184 | 0.004 | 0 | 0 | 0 | 400.06 | 399.25 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 612,380.57 | 3.16 |
| G14107-G14105 | 8 | 44 | 0.009 | 0 | 0 | 0 | 399.25 | 398.87 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 857,735.27 | 4.42 |
| G14105-G14103 | 8 | 83 | 0.006 | 0 | 0 | 0 | 398.87 | 398.39 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 701,890.52 | 3.62 |
| G14103-H14037 | 8 | 291 | 0.004 | 0 | 0 | 0 | 398.39 | 397.29 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 567,463.14 | 2.93 |
| H14037-H14035 | 8 | 49 | 0.008 | 0 | 0 | 0 | 397.29 | 396.92 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 802,030.03 | 4.14 |
| J07103-J07101 | 8 | 185 | 0.01 | 0 | 0 | 0 | 425.8 | 423.97 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 917,967.89 | 4.73 |
| J07101-J07097 | 8 | 157 | 0.01 | 0 | 0 | 0 | 423.97 | 422.38 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 928,830.66 | 4.79 |
| J07099-J07097 | 8 | 158 | 0.009 | 0 | 0 | 0 | 423.77 | 422.38 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 865,698.50 | 4.46 |
| J07105-J07093 | 8 | 68 | 0.006 | 1.1 | 0 | 0 | 416.81 | 416.39 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 725,367.34 | 3.74 |
| J07097-J07095 | 8 | 178 | 0.017 | 0.7 | 0 | 0 | 422.38 | 419.43 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,188,197.99 | 6.13 |
| J07113-J07107 | 8 | 97 | 0.005 | 0 | 0 | 0 | 424.66 | 424.13 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 682,244.24 | 3.52 |
| J07111-J07109 | 8 | 191 | 0.004 | 0 | 0 | 0 | 426.27 | 425.47 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 597,332.46 | 3.08 |
| J07109-J07107 | 8 | 177 | 0.008 | 0 | 0 | 0 | 425.47 | 424.13 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 803,070.32 | 4.14 |
| J07107-J07087 | 8 | 256 | 0.042 | 0.9 | 0 | 0 | 424.13 | 413.31 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,897,498.56 | 9.79 |
| J07057-J07055 | 8 | 206 | 0.007 | 0 | 0 | 0 | 408.55 | 407.21 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 744,400.40 | 3.84 |
| J07053-J08107 | 8 | 182 | 0.008 | 0 | 0 | 0 | 409.99 | 408.54 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 823,827.18 | 4.25 |
| J08107-J08105 | 8 | 199 | 0.025 | 0 | 0 | 0 | 408.54 | 403.51 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,467,389.01 | 7.57 |
| J07055-J08109 | 8 | 231 | 0.012 | 0 | 0 | 0 | 407.21 | 404.37 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,023,389.57 | 5.28 |
| J08109-J08105 | 8 | 246 | 0.003 | 0 | 0 | 0 | 404.37 | 403.51 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 545,719.51 | 2.81 |
| J08105-J08101 | 8 | 247 | 0.004 | 0 | 0 | 0 | 403.51 | 402.64 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 547,770.90 | 2.83 |
| G11037-G11035 | 8 | 130 | 0.054 | 4.5 | 0 | 0 | 395 | 388 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,141,732.13 | 11.05 |
| J08025-J08023 | 8 | 116 | 0.005 | 0 | 0 | 0 | 404.54 | 404 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 629,731.90 | 3.25 |
| H07027-J07121 | 10 | 57 | 0.026 | 6.4 | 0 | 0 | 416 | 414.52 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,696,546.65 | 8.34 |
| J08061-J08059 | 8 | 115 | 0.006 | 0 | 0 | 0 | 401.26 | 400.59 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 704,492.36 | 3.63 |
| J07047-J07045 | 8 | 243 | 0.01 | 0 | 0 | 0 | 418.44 | 416.02 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 921,069.40 | 4.75 |
| J08093-J08091 | 8 | 162 | 0.004 | 0 | 0 | 0 | 410.27 | 409.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 547,479.33 | 2.82 |
| J08091-J08089 | 8 | 185 | 0.005 | 0 | 0 | 0 | 409.7 | 408.85 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 625,621.13 | 3.23 |
| J07045-J07043 | 8 | 243 | 0.018 | 0 | 0 | 0 | 416.02 | 411.67 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,234,892.91 | 6.37 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| J07043-J08089 | 8 | 245 | 0.012 | 0 | 0 | 0 | 411.67 | 408.85 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 990,214.59 | 5.11 |
| J08089-J08087 | 8 | 256 | 0.008 | 0 | 0 | 0 | 408.85 | 406.68 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 849,762.75 | 4.38 |
| J08087-J08085 | 8 | 277 | 0.023 | 0 | 0 | 0 | 406.68 | 400.2 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,411,677.28 | 7.28 |
| J07051-J08103 | 8 | 203 | 0.009 | 0 | 0 | 0 | 411.2 | 409.36 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 878,716.33 | 4.53 |
| J07049-J08099 | 8 | 236 | 0.015 | 0 | 0 | 0 | 412.29 | 408.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,138,358.44 | 5.87 |
| J08099-J08097 | 8 | 234 | 0.029 | 0 | 0 | 0 | 408.7 | 401.98 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,564,100.00 | 8.07 |
| J08103-J08101 | 8 | 216 | 0.031 | 0 | 0 | 0 | 409.36 | 402.64 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,627,966.89 | 8.40 |
| J08101-J08097 | 8 | 243 | 0.003 | 0 | 0 | 0 | 402.64 | 401.98 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 481,012.81 | 2.48 |
| J08097-J08095 | 8 | 143 | 0.005 | 0 | 0 | 0 | 401.98 | 401.28 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 645,756.53 | 3.33 |
| J08095-J08085 | 8 | 161 | 0.007 | 0 | 0 | 0 | 401.28 | 400.2 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 755,938.99 | 3.90 |
| J08085-J08083 | 8 | 183 | 0.007 | 8.4 | 0 | 0 | 400.2 | 398.87 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 786,843.00 | 4.06 |
| J08047-J08045 | 8 | 23 | 0.025 | 0 | 0 | 0 | 401.81 | 401.23 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,465,675.69 | 7.56 |
| J08043-J08041 | 8 | 16 | 0.027 | 0 | 0 | 0 | 401.81 | 401.38 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,513,080.53 | 7.80 |
| J08041-J08039 | 8 | 21 | 0.024 | 0 | 0 | 0 | 401.38 | 400.88 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,424,174.36 | 7.35 |
| J08039-J08037 | 8 | 196 | 0.014 | 0 | 0 | 0 | 400.88 | 398.06 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,107,093.56 | 5.71 |
| J08045-J08037 | 8 | 193 | 0.016 | 0 | 0 | 0 | 401.23 | 398.06 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,182,874.81 | 6.10 |
| J08037-J08035 | 8 | 54 | 0.022 | 3.1 | 0 | 0 | 398.06 | 396.88 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,364,369.28 | 7.04 |
| J08059-J08057 | 8 | 145 | 0.004 | 0 | 0 | 0 | 400.59 | 400.01 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 583,737.78 | 3.01 |
| J08057-J08055 | 8 | 90 | 0.005 | 0 | 0 | 0 | 400.01 | 399.55 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 659,850.38 | 3.40 |
| J08055-J08053 | 8 | 106 | 0.036 | 0 | 0 | 0 | 399.55 | 395.71 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,756,711.67 | 9.06 |
| J08053-J08033 | 8 | 61 | 0.014 | 9.3 | 0 | 0 | 395.71 | 394.87 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,083,084.98 | 5.59 |
| F12055-F12053 | 8 | 204 | 0.01 | 0.6 | 0 | 0 | 401 | 399 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 913,876.95 | 4.71 |
| G15007-G15005 | 8 | 232 | 0.013 | 0.8 | 0 | 0 | 440 | 437 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,049,553.16 | 5.41 |
| G09089-G09087 | 8 | 136 | 0.007 | 1 | 0 | 0 | 407 | 406 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 791,440.65 | 4.08 |
| G09085-G09083 | 8 | 136 | 0.015 | 0.9 | 0 | 0 | 407 | 405 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,119,266.10 | 5.77 |
| G14117-G14115 | 8 | 251 | 0.012 | 0.7 | 0 | 0 | 400.55 | 397.64 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 993,796.45 | 5.13 |
| H14035-H14033 | 8 | 68 | 0.006 | 0.7 | 0 | 0 | 396.92 | 396.49 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 733,951.87 | 3.79 |
| G14101-G14099 | 8 | 110 | 0.005 | 0 | 0 | 0 | 398.87 | 398.29 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 670,201.60 | 3.46 |
| G14099-G14097 | 8 | 64 | 0.019 | 4.3 | 0 | 0 | 398.29 | 397.06 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,279,529.71 | 6.60 |
| G13121-G13119 | 10 | 277 | 0.007 | 2.8 | 0 | 0 | 387 | 385 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,421,967.34 | 4.40 |
| J08073-J08071 | 8 | 173 | 0.006 | 0 | 0 | 0 | 407.21 | 406.24 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 691,115.48 | 3.56 |
| J08071-J08067 | 8 | 173 | 0.033 | 0 | 0 | 0 | 406.24 | 400.61 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,665,018.08 | 8.59 |
| J09045-J09043 | 8 | 299 | 0.004 | 0 | 0 | 0 | 390.95 | 389.9 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 546,949.04 | 2.82 |
| F13055-F13053 | 8 | 164 | 0.012 | 0 | 0 | 0 | 410 | 408 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,019,250.38 | 5.26 |
| F13053-F13051 | 8 | 88 | 0.023 | 0 | 0 | 0 | 408 | 406 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,391,430.34 | 7.18 |
| F13051-F13039 | 8 | 95 | 0.02 | 7.6 | 0 | 0 | 406 | 404.08 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,312,129.26 | 6.77 |
| J11101-J11099 | 8 | 173 | 0.004 | 1.2 | 0 | 0 | 376.34 | 375.66 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 578,654.34 | 2.98 |
| J07013-J07011 | 8 | 178 | 0.007 | 0 | 0 | 0 | 414.47 | 413.28 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 754,659.92 | 3.89 |
| J07011-J07007 | 8 | 176 | 0.011 | 0 | 0 | 0 | 413.28 | 411.39 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 956,450.23 | 4.93 |
| J07009-J07007 | 8 | 73 | 0.016 | 0 | 0 | 0 | 412.53 | 411.39 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,153,396.96 | 5.95 |
| J07007-K07017 | 8 | 148 | 0.004 | 0 | 0 | 0 | 411.39 | 410.84 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 562,649.96 | 2.90 |
| J08129-J08017 | 8 | 71 | 0.006 | 5.3 | 0 | 0 | 402.61 | 402.2 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 701,375.45 | 3.62 |
| J06021-J06019 | 8 | 169 | 0.005 | 0 | 0 | 0 | 428.62 | 427.83 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 631,041.62 | 3.25 |
| J06023-J06019 | 8 | 160 | 0.001 | 0 | 0 | 0 | 428.05 | 427.83 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 342,246.61 | 1.77 |
| J06019-J06017 | 8 | 247 | 0.003 | 1 | 0 | 0 | 427.83 | 427.17 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 477,102.07 | 2.46 |
| J05003-J05001 | 8 | 90 | 0.01 | 1.3 | 0 | 0 | 440.08 | 439.15 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 938,227.22 | 4.84 |
| J06045-J06043 | 8 | 97 | 0.006 | 1.1 | 0 | 0 | 438.49 | 437.95 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 688,650.43 | 3.55 |
| J06041-J06039 | 8 | 143 | 0.005 | 1.1 | 0 | 0 | 436.23 | 435.58 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 622,266.57 | 3.21 |
| J06037-J06035 | 8 | 156 | 0.004 | 1.1 | 0 | 0 | 434.51 | 433.82 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 613,832.75 | 3.17 |
| J07027-J07025 | 8 | 210 | 0.008 | 0 | 0 | 0 | 420.94 | 419.24 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 830,429.22 | 4.28 |
| J07025-J07023 | 8 | 210 | 0.008 | 0 | 0 | 0 | 419.24 | 417.53 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 832,868.07 | 4.30 |
| J06033-J06031 | 8 | 63 | 0.003 | 1.1 | 0 | 0 | 432.26 | 432.04 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 545,417.25 | 2.81 |
| J06027-J06025 | 8 | 80 | 0.009 | 1.3 | 0 | 0 | 428.77 | 428.08 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 857,170.78 | 4.42 |
| J07003-J07001 | 8 | 73 | 0.022 | 0 | 0 | 0 | 410.33 | 408.76 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,353,555.92 | 6.98 |
| J07021-J07019 | 8 | 59 | 0.007 | 0 | 0 | 0 | 416.49 | 416.1 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 750,402.21 | 3.87 |
| J07033-J07029 | 8 | 41 | 0.002 | 1.3 | 0 | 0 | 414 | 413.9 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 455,822.63 | 2.35 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|-------------------------------------|------------------------|----------------|-----------------------------|
| J07031-J06003 | 8 | 61 | 0.004 | 0 | 0 | 0 | 418.51 | 418.28 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 566,743.84 | 2.92 |
| J06003-J06001 | 8 | 65 | 0.006 | 0.9 | 0 | 0 | 418.28 | 417.9 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 705,704.57 | 3.64 |
| J07023-J07019 | 8 | 211 | 0.007 | 0 | 0 | 0 | 417.53 | 416.1 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 759,826.78 | 3.92 |
| J07019-J07017 | 8 | 98 | 0.021 | 0 | 0 | 0 | 416.1 | 414 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,351,090.43 | 6.97 |
| J07017-J07015 | 8 | 42 | 0.026 | 1.3 | 0 | 0 | 414 | 412.92 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,480,045.41 | 7.63 |
| J07035-K07023 | 8 | 63 | 0.004 | 0 | 0 | 0 | 412.05 | 411.82 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 557,675.35 | 2.88 |
| K07023-K07019 | 8 | 48 | 0.008 | 1.2 | 0 | 0 | 411.82 | 411.45 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 810,341.44 | 4.18 |
| K07017-K07015 | 8 | 48 | 0.011 | 0.8 | 0 | 0 | 410.84 | 410.32 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 960,658.13 | 4.95 |
| J07005-J07001 | 8 | 75 | 0.02 | 0 | 0 | 0 | 410.29 | 408.76 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,318,265.51 | 6.80 |
| J07001-K07009 | 8 | 148 | 0.004 | 0 | 0 | 0 | 408.76 | 408.21 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 562,649.96 | 2.90 |
| K07009-K07007 | 8 | 48 | 0.067 | 1.3 | 0 | 0 | 408.21 | 404.98 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,394,244.23 | 12.35 |
| K07013-K07011 | 8 | 59 | 0.007 | 1.3 | 0 | 0 | 405.94 | 405.54 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 759,961.86 | 3.92 |
| K07005-K07003 | 8 | 47 | 0.008 | 1.1 | 0 | 0 | 404.33 | 403.97 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 807,774.48 | 4.17 |
| J08075-J07037 | 8 | 66 | 0.035 | 0 | 0 | 0 | 407.7 | 405.42 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,715,470.53 | 8.85 |
| J07041-J07039 | 8 | 180 | 0.006 | 0 | 0 | 0 | 409.52 | 408.41 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 724,791.42 | 3.74 |
| J07039-J07037 | 8 | 180 | 0.017 | 0 | 0 | 0 | 408.41 | 405.42 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,189,562.18 | 6.14 |
| J07037-K07025 | 8 | 98 | 0.021 | 0 | 0 | 0 | 405.42 | 403.34 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,344,641.27 | 6.93 |
| K07025-K07001 | 8 | 48 | 0.024 | 0.8 | 0 | 0 | 403.34 | 402.17 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,440,987.19 | 7.43 |
| K08013-K08009 | 8 | 47 | 0.05 | 1.4 | 0 | 0 | 396.64 | 394.3 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,059,428.92 | 10.62 |
| K08011-K08009 | 8 | 58 | 0.007 | 1.4 | 0 | 0 | 394.7 | 394.3 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 766,485.26 | 3.95 |
| J08069-J08067 | 8 | 131 | 0.027 | 0 | 0 | 0 | 404.14 | 400.61 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,515,093.77 | 7.81 |
| J08067-K08007 | 8 | 99 | 0.048 | 0 | 0 | 0 | 400.61 | 395.82 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,030,195.99 | 10.47 |
| K08007-K08005 | 8 | 46 | 0.049 | 1.1 | 0 | 0 | 395.82 | 393.58 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,036,727.37 | 10.50 |
| J09033-J09031 | 8 | 201 | 0.006 | 0 | 0 | 0 | 389.68 | 388.54 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 695,091.86 | 3.58 |
| J09031-J09029 | 8 | 218 | 0.006 | 0 | 0 | 0 | 388.54 | 387.3 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 696,098.03 | 3.59 |
| J09029-J09027 | 8 | 218 | 0.006 | 0 | 0 | 0 | 387.3 | 386.05 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 698,899.24 | 3.60 |
| J09027-J09025 | 8 | 112 | 0.005 | 0 | 0 | 0 | 386.05 | 385.46 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 669,892.02 | 3.45 |
| J09025-J09023 | 8 | 86 | 0.008 | 0 | 0 | 0 | 385.46 | 384.74 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 844,510.06 | 4.36 |
| J09043-J09041 | 8 | 300 | 0.003 | 0 | 0 | 0 | 389.9 | 388.85 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 546,036.70 | 2.82 |
| J09041-J09039 | 8 | 314 | 0.004 | 0 | 0 | 0 | 388.85 | 387.64 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 572,948.61 | 2.95 |
| J09039-J09037 | 8 | 262 | 0.004 | 0 | 0 | 0 | 387.64 | 386.67 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 561,594.74 | 2.90 |
| J09037-J09035 | 8 | 275 | 0.003 | 0 | 0 | 0 | 386.67 | 385.71 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 545,327.10 | 2.81 |
| J09035-J09023 | 8 | 291 | 0.003 | 0 | 0 | 0 | 385.71 | 384.74 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 532,877.25 | 2.75 |
| J09023-J09021 | 8 | 348 | 0.004 | 0 | 0 | 0 | 384.74 | 383.33 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,499.82 | 3.03 |
| J09021-J09019 | 8 | 172 | 0.004 | 0 | 0 | 0 | 383.33 | 382.69 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 563,006.71 | 2.90 |
| J09019-J09003 | 8 | 195 | 0.003 | 15.7 | 0 | 0 | 382.69 | 382.06 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 524,615.09 | 2.71 |
| K12003-K12001 | 8 | 326 | 0.009 | 19 | 0 | 0 | 364 | 361 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 885,400.24 | 4.57 |
| G13041-G13039 | 8 | 239 | 0.013 | 9.2 | 0 | 0 | 396 | 393 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,034,068.92 | 5.33 |
| F12039-F12037 | 8 | 190 | 0.021 | 1.4 | 0 | 0 | 393 | 389 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,339,186.31 | 6.91 |
| F10087-F10083 | 8 | 271 | 0.004 | 2.3 | 0 | 0 | 413 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 560,664.63 | 2.89 |
| E10041-E10039 | 8 | 228 | 0.009 | 0 | 0 | 0 | 415 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 864,441.05 | 4.46 |
| E10043-E10039 | 8 | 128 | 0.023 | 0 | 0 | 0 | 416 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,413,004.19 | 7.29 |
| E10039-E10037 | 8 | 358 | 0.006 | 10.7 | 0 | 0 | 413 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 689,860.52 | 3.56 |
| F10063-F10055 | 6 | 315 | 0.003 | 6 | 0 | 0 | 405 | 404 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 241,469.66 | 1.87 |
| E10085-E10083 | 8 | 77 | 0.013 | 0 | 0 | 0 | 417 | 416 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,051,822.47 | 5.42 |
| E10083-E10081 | 8 | 363 | 0.003 | 6.2 | 0 | 0 | 416 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 484,433.86 | 2.50 |
| E10033-E10031 | 8 | 274 | 0.007 | 0 | 0 | 0 | 416 | 414 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 788,546.89 | 4.07 |
| E10031-E10029 | 8 | 356 | 0.006 | 0 | 0 | 0 | 414 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 691,795.62 | 3.57 |
| F10095-F10093 | 8 | 130 | 0.008 | 0 | 0 | 0 | 414 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 809,498.65 | 4.17 |
| E10029-F10089 | 8 | 331 | 0.006 | 8.7 | 0 | 0 | 412 | 410 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 717,445.32 | 3.70 |
| F10093-F10091 | 8 | 246 | 0.008 | 8.9 | 0 | 0 | 413 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 832,214.45 | 4.29 |
| G11043-G11041 | 8 | 159 | 0.006 | 0 | 0 | 0 | 387 | 386 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 731,963.20 | 3.78 |
| G11041-G11039 | 8 | 119 | 0.008 | 0.9 | 0 | 0 | 386 | 385 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 846,085.64 | 4.36 |
| F11055-F11053 | 8 | 232 | 0.013 | 5.4 | 0 | 0 | 397 | 394 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,049,553.16 | 5.41 |
| K12075-K12073 | 6 | 248 | 0.008 | 100 | 0 | 0 | 363 | 361 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 384,863.74 | 2.98 |
| K12073-K12071 | 6 | 250 | 0.008 | 100 | 0 | 0 | 361 | 359 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 383,321.20 | 2.97 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|--------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|-----------------|-----------------------------|
| K12071-K12017 | 6 | 263 | 0.008 | 100 | 0 | 0 | 359 | 357 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 373,727.42 | 2.89 |
| J08023-J08051 | 8 | 184 | 0.013 | 1 | 0 | 0 | 404 | 401.61 | | 0.3 | 890,076.18 | 4.59 |
| E09087-E09085 | 8 | 44 | 0 | 58.2 | 1,315.65 | 0 | 431 | 431 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 0 | 0.00 |
| H14019-H15001 | 8 | 237 | 0.004 | 100 | 2,136.21 | 0.01 | 413 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 599,533.75 | 3.09 |
| F02057-F02039 | 8 | 9 | -0.04 | 77 | 0 | 0 | 524 | 524.36 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | -1,845,940.94 | -9.52 |
| G15053-G15051 | 8 | 162 | 0.025 | 100 | 3,143.53 | 0.01 | 415 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,450,308.18 | 7.48 |
| H15001-G15051 | 8 | 184 | 0.005 | 100 | 3,932.13 | 0.01 | 412 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 680,422.86 | 3.51 |
| G15051-G15037 | 8 | 245 | 0.004 | 100 | 7,365.76 | 0.02 | 411 | 410 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 589,664.20 | 3.04 |
| G15037-G15035 | 8 | 267 | -0.042 | 100 | 16,636.35 | 0.05 | 410 | 421.31 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | -1,899,605.77 | -9.80 |
| J14115-J14087 | 8 | 26 | -0.038 | 100 | 34,618.09 | 0.06 | 333 | 334 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | -1,810,094.02 | -9.34 |
| P-5583 | 10 | 0 | 0 | 59.3 | 82,677.54 | 0.07 | 359 | 359 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 0 | 0.00 |
| J09005-J09003 | 15 | 45 | -0.001 | 62.4 | 266,699.40 | 0.07 | 382 | 382.06 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | -1,801,609.10 | -2.32 |
| F05043-F05041 | 10 | 173 | 0 | 59.2 | 78,944.35 | 0.08 | 505 | 505 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 0 | 0.00 |
| L14057-L14055 | 10 | 28 | -0.01 | 100 | 937,321.60 | 0 | 313 | 313.29 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | -1,703,077.82 | -5.27 |
| K08003-K08001 | 10 | 98 | 0.007 | 6.1 | 629.48 | 0.12 | 393.15 | 392.44 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,424,395.67 | 4.41 |
| K08009-K08005 | 8 | 264 | 0.003 | 2.7 | 634.48 | 0.12 | 394.3 | 393.58 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 482,005.61 | 2.49 |
| K12017-K12015 | 21 | 12 | -0.917 | 100 | 791,786.34 | 0.02 | 357 | 368 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | -115,870,179.76 | -74.70 |
| K07003-K07001 | 8 | 278 | 0.006 | 2.2 | 638.01 | 0.17 | 403.97 | 402.17 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 742,679.89 | 3.83 |
| K07007-K07003 | 8 | 289 | 0.003 | 2.6 | 638.99 | 0.16 | 404.98 | 403.97 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 545,631.67 | 2.81 |
| K07011-K07007 | 8 | 165 | 0.003 | 2.6 | 639.08 | 0.16 | 405.54 | 404.98 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 537,699.77 | 2.77 |
| K08005-K08003 | 8 | 61 | 0.007 | 2.2 | 630.39 | 0.13 | 393.58 | 393.15 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 774,920.44 | 4.00 |
| H06027-H06025 | 8 | 426 | 0.002 | 2.4 | 143.08 | 0.18 | 447.54 | 446.6 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 433,557.73 | 2.24 |
| K07019-K07015 | 8 | 278 | 0.004 | 2.5 | 644.72 | 0.18 | 411.45 | 410.32 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 588,443.31 | 3.03 |
| K07021-K07019 | 8 | 209 | 0.004 | 2.6 | 647.64 | 0.18 | 412.19 | 411.45 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 549,199.99 | 2.83 |
| G12021-G12019 | 8 | 18 | -0.001 | 63.1 | 82,007.68 | 0.15 | 380.4 | 380.41 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | -217,546.23 | -1.12 |
| J10009-J10007 | 15 | 36 | -0.028 | 100 | 347,842.90 | 0.15 | 380 | 381 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | -8,223,182.88 | -10.60 |
| J07029-J07015 | 8 | 278 | 0.004 | 2.6 | 651.04 | 0.19 | 413.9 | 412.92 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 547,997.34 | 2.83 |
| J07015-K07021 | 8 | 209 | 0.003 | 2.6 | 649.77 | 0.18 | 412.92 | 412.19 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 545,476.56 | 2.81 |
| J06005-J06001 | 8 | 278 | 0.004 | 2.6 | 656.91 | 0.2 | 418.88 | 417.9 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 547,997.34 | 2.83 |
| F12025-F12023 | 8 | 233 | 0.003 | 1.6 | 201.81 | 0.21 | 393.71 | 393 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 509,493.94 | 2.63 |
| E03147-E03145 | 8 | 241 | 0.002 | 2.6 | 485.75 | 0.2 | 559.5 | 559 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 420,401.53 | 2.17 |
| L13125-L13123 | 10 | 319 | 0.002 | 82.8 | 369,028.74 | 0.21 | 327.5 | 327 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 662,527.90 | 2.05 |
| D08067-D08059 | 8 | 209 | 0.005 | 5.8 | 86.2 | 0.22 | 491 | 490 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 638,432.03 | 3.29 |
| C02135-C02061 | 8 | 145 | 0.003 | 2.1 | 283.59 | 0.22 | 635 | 634.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 534,662.44 | 2.76 |
| J07083-J07081 | 10 | 295 | 0.004 | 1.5 | 355.1 | 0.22 | 412.38 | 411.2 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,058,387.02 | 3.28 |
| C07031-C07029 | 8 | 236 | 0.002 | 2.2 | 258.6 | 0.23 | 516 | 515.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 424,831.59 | 2.19 |
| H11007-H12075 | 8 | 317 | 0.005 | 3.4 | 191.37 | 0.23 | 369 | 367.54 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 626,375.27 | 3.23 |
| E14017-E14015 | 15 | 312 | 0.003 | 1.4 | 310.51 | 0.22 | 452 | 451 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,793,276.34 | 3.60 |
| J07085-J07083 | 10 | 123 | 0.004 | 1.5 | 355.79 | 0.23 | 412.87 | 412.38 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,056,233.63 | 3.27 |
| F12061-F12043 | 8 | 310 | 0.003 | 2.3 | 204.19 | 0.24 | 393 | 392 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 524,212.00 | 2.70 |
| B01052-B01050 | 8 | 0 | 0.004 | 1.7 | 281.73 | 0.26 | 683.15 | 682.12 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 608,460.30 | 3.14 |
| F09061-F09059 | 8 | 158 | 0.006 | 1.2 | 86.2 | 0.24 | 419 | 418 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 734,275.88 | 3.79 |
| E11149-E11107 | 8 | 283 | 0.001 | 51.2 | 931.52 | 0.25 | 412 | 411.67 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 315,174.85 | 1.63 |
| J07087-J07085 | 8 | 108 | 0.004 | 1.9 | 356.19 | 0.23 | 413.31 | 412.87 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 589,117.97 | 3.04 |
| E03195-E03193 | 8 | 284 | 0.002 | 2.7 | 511.86 | 0.24 | 564 | 563.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 387,269.81 | 2.00 |
| J06009-J06007 | 8 | 301 | 0.003 | 2.6 | 667.18 | 0.24 | 422.63 | 421.58 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 545,128.90 | 2.81 |
| E03191-E03189 | 8 | 198 | 0.003 | 2.5 | 496.11 | 0.23 | 563 | 562.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 463,810.11 | 2.39 |
| G04025-G04023 | 8 | 197 | 0.005 | 2.3 | 355.35 | 0.24 | 487 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 657,589.23 | 3.39 |
| C02137-C02135 | 8 | 282 | 0.003 | 1.8 | 285.02 | 0.25 | 635.98 | 635 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 542,177.73 | 2.80 |
| F12023-F12011 | 8 | 157 | 0.006 | 9.9 | 198.9 | 0.26 | 393 | 392 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 736,610.63 | 3.80 |
| K07001-K08009 | 8 | 278 | 0.028 | 2.1 | 636.14 | 0.3 | 402.17 | 394.3 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,552,933.20 | 8.01 |
| K14095-K14093 | 8 | 249 | 0 | 11.9 | 4,660.67 | 0.25 | 321.52 | 321.45 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 154,752.31 | 0.80 |
| G13027-G13017 | 8 | 343 | 0.004 | 3.3 | 210.97 | 0.26 | 398 | 396.77 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 552,704.88 | 2.85 |
| H14033-H14031 | 8 | 275 | 0.004 | 1.5 | 204.32 | 0.25 | 396.49 | 395.33 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 599,446.54 | 3.09 |
| C02112-C02110 | 8 | 300 | 0.005 | 4.2 | 283.55 | 0.24 | 639.09 | 637.59 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 638,941.75 | 3.30 |
| F04085-F04083 | 8 | 200 | 0.001 | 5.1 | 1,245.24 | 0.26 | 523.72 | 523.54 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 276,891.14 | 1.43 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|--------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| J11065-J12057 | 8 | 144 | 0.006 | 2 | 191.37 | 0.28 | 365.65 | 364.75 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 729,672.23 | 3.76 |
| B02020-B01054 | 8 | 232 | 0.004 | 1.7 | 285.02 | 0.26 | 688.63 | 687.72 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 579,298.65 | 2.99 |
| G09173-G09171 | 8 | 402 | 0.007 | 1.3 | 132.6 | 0.26 | 427 | 424 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 797,325.05 | 4.11 |
| C07021-C07019 | 8 | 206 | 0.005 | 1.4 | 172.4 | 0.25 | 506 | 505 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 643,064.00 | 3.32 |
| F12027-F12025 | 8 | 85 | 0.005 | 1.5 | 203.41 | 0.25 | 394.14 | 393.71 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 656,466.51 | 3.39 |
| L13105-L13103 | 10 | 340 | 0.003 | 100 | 338,731.02 | 0.26 | 326 | 325 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 907,559.38 | 2.81 |
| L13123-L13105 | 10 | 340 | 0.003 | 100 | 352,332.20 | 0.26 | 327 | 326 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 907,559.38 | 2.81 |
| B01014-B01012 | 8 | 176 | 0.005 | 1.6 | 283.19 | 0.25 | 677.46 | 676.57 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 656,336.38 | 3.39 |
| G14113-H14033 | 8 | 181 | 0.004 | 1.5 | 206.57 | 0.26 | 397.23 | 396.49 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 590,152.67 | 3.04 |
| J07081-J07079 | 8 | 169 | 0.007 | 8.9 | 352.91 | 0.25 | 411.2 | 410.07 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 754,716.21 | 3.89 |
| C03017-C03015 | 12 | 212 | 0.005 | 1 | 285.02 | 0.27 | 670 | 669 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,868,945.20 | 3.61 |
| C07011-C07009 | 8 | 210 | 0.01 | 0.9 | 85.81 | 0.27 | 509 | 507 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 900,726.95 | 4.65 |
| D14123-D14121 | 8 | 239 | 0.004 | 2.3 | 310.51 | 0.27 | 474 | 473 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 597,019.97 | 3.08 |
| G05083-G05081 | 8 | 323 | 0.003 | 3.2 | 710.7 | 0.26 | 471 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 513,554.51 | 2.65 |
| C07019-C08003 | 8 | 228 | 0.004 | 7.1 | 257.64 | 0.27 | 505 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 611,252.13 | 3.15 |
| G14041-F14047 | 8 | 230 | 0.004 | 2.1 | 210.97 | 0.28 | 431 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 608,588.71 | 3.14 |
| D13015-D13013 | 8 | 190 | 0.001 | 5.7 | 1,612.55 | 0.27 | 426 | 425.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 299,451.16 | 1.54 |
| E09017-E09015 | 10 | 239 | 0.002 | 2.8 | 530.31 | 0.28 | 436.52 | 436 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 780,579.66 | 2.42 |
| C02114-C02112 | 8 | 300 | 0.005 | 1.6 | 285.02 | 0.27 | 640.48 | 639.09 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 626,169.25 | 3.23 |
| D07037-D07035 | 8 | 170 | 0.006 | 1.3 | 172.4 | 0.27 | 495 | 494 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 707,886.04 | 3.65 |
| J07091-J07089 | 8 | 288 | 0.003 | 2 | 364.15 | 0.26 | 415.54 | 414.54 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 543,865.57 | 2.80 |
| J07089-J07087 | 8 | 243 | 0.005 | 1.9 | 362.75 | 0.27 | 414.54 | 413.31 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 656,654.96 | 3.39 |
| F15041-F15039 | 8 | 61 | 0.002 | 3.8 | 416.68 | 0.27 | 441.99 | 441.85 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 442,167.59 | 2.28 |
| B02013-B02009 | 8 | 0 | 0.003 | 2.6 | 560.72 | 0.26 | 690.17 | 689.61 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 532,877.25 | 2.75 |
| C07045-C07043 | 8 | 229 | 0.004 | 1.7 | 258.6 | 0.29 | 530 | 529 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 609,916.06 | 3.15 |
| C07029-C07027 | 8 | 215 | 0.002 | 3.2 | 515.33 | 0.28 | 515.5 | 515 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 445,095.89 | 2.30 |
| G04037-G04035 | 8 | 287 | 0.003 | 3 | 710.7 | 0.27 | 489 | 488 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 544,812.24 | 2.81 |
| K14077-K14075 | 8 | 327 | 0.003 | 2.3 | 408.79 | 0.29 | 333 | 332 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 510,403.84 | 2.63 |
| F15035-F15033 | 8 | 210 | 0.005 | 1.8 | 210.97 | 0.28 | 459 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 636,910.14 | 3.28 |
| C07049-C07047 | 8 | 220 | 0.005 | 2 | 258.6 | 0.29 | 523 | 522 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 622,266.57 | 3.21 |
| F07025-F07023 | 8 | 318 | 0.003 | 2.3 | 474.91 | 0.29 | 458 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 517,576.14 | 2.67 |
| E03157-E03155 | 8 | 297 | 0.003 | 2.3 | 503.87 | 0.29 | 562 | 561 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 535,561.79 | 2.76 |
| G04031-G04029 | 8 | 193 | 0.005 | 2.8 | 533.02 | 0.28 | 485 | 484 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 664,368.68 | 3.43 |
| J12031-J12029 | 42 | 99 | -0.005 | 72.8 | 8,988,126.30 | 0.21 | 356.95 | 357.4 | Vitrified Clay Pipe-Circular-42 inch | 9.6 | -51,808,530.71 | -8.35 |
| F13087-F13085 | 8 | 163 | 0.007 | 3 | 306.57 | 0.28 | 424 | 422.86 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 771,874.03 | 3.98 |
| B01082-B01080 | 8 | 0 | 0.003 | 2.5 | 567.63 | 0.29 | 691.05 | 690.73 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 522,110.94 | 2.69 |
| J07093-J07091 | 8 | 246 | 0.003 | 2.1 | 394.27 | 0.3 | 416.39 | 415.54 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 542,537.44 | 2.80 |
| J06025-J06017 | 8 | 241 | 0.004 | 2.6 | 672.95 | 0.27 | 428.08 | 427.17 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 567,152.67 | 2.93 |
| E17061-E17059 | 8 | 195 | 0.005 | 4.4 | 310.51 | 0.29 | 525 | 524 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 660,952.88 | 3.41 |
| B01080-B02013 | 8 | 0 | 0.003 | 2.4 | 565.4 | 0.3 | 690.73 | 690.17 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 540,988.48 | 2.79 |
| G09169-G09165 | 8 | 261 | 0.004 | 2.6 | 465.78 | 0.28 | 419 | 418 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 571,304.38 | 2.95 |
| D09106-D08043 | 8 | 255 | 0.001 | 8.1 | 1,166.10 | 0.29 | 463.31 | 463 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 321,809.28 | 1.66 |
| D07055-D07053 | 8 | 279 | 0.007 | 1.7 | 172.4 | 0.29 | 516 | 514 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 781,449.11 | 4.03 |
| E13049-E13047 | 8 | 305 | 0.003 | 4.6 | 615.24 | 0.3 | 420 | 419 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 528,491.35 | 2.73 |
| G05055-G05053 | 8 | 353 | 0.006 | 2.6 | 533.02 | 0.29 | 485 | 483 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 694,729.04 | 3.58 |
| J08127-J08125 | 8 | 343 | 0.003 | 7.2 | 1,126.23 | 0.27 | 407.95 | 406.75 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 545,922.97 | 2.82 |
| H04039-H04037 | 8 | 289 | 0.003 | 3.4 | 888.37 | 0.3 | 475 | 474 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 542,923.81 | 2.80 |
| G12077-G12073 | 8 | 329 | 0.003 | 4.2 | 421.94 | 0.31 | 387 | 386 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 508,850.09 | 2.62 |
| J11069-J11067 | 8 | 405 | 0.002 | 3.5 | 765.48 | 0.29 | 366 | 365 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 458,627.71 | 2.37 |
| E02109-E02107 | 8 | 283 | 0.003 | 0 | 0 | 0 | 561.38 | 560.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 511,971.90 | 2.64 |
| F12035-F12033 | 8 | 174 | 0.006 | 1.4 | 210.97 | 0.3 | 394 | 393 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 699,702.11 | 3.61 |
| F12033-F12009 | 8 | 290 | 0.007 | 10.2 | 204.62 | 0.3 | 393 | 391 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 766,485.26 | 3.95 |
| D07033-D07031 | 8 | 368 | 0.005 | 1.8 | 258.6 | 0.31 | 502 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 680,422.86 | 3.51 |
| F15033-F15031 | 8 | 300 | 0.003 | 2.2 | 408.4 | 0.31 | 458 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 532,877.25 | 2.75 |
| G05061-G05059 | 8 | 249 | 0.004 | 3 | 874.46 | 0.29 | 473 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 584,908.77 | 3.02 |
| J07143-J08127 | 8 | 199 | 0.004 | 3.3 | 1,130.35 | 0.3 | 408.65 | 407.95 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 547,406.93 | 2.82 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| F14043-F14041 | 8 | 301 | 0.003 | 2.7 | 421.94 | 0.32 | 443 | 442 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 531,991.34 | 2.74 |
| J06007-J06005 | 8 | 301 | 0.009 | 2.4 | 661.84 | 0.32 | 421.58 | 418.88 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 874,150.97 | 4.51 |
| F02011-F03149 | 8 | 213 | 0.005 | 3.1 | 311.31 | 0.31 | 533.28 | 532.12 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 681,125.28 | 3.51 |
| B01084-B01082 | 8 | 153 | 0.004 | 2.5 | 569.55 | 0.31 | 691.59 | 691.05 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 548,326.17 | 2.83 |
| H05075-H05073 | 8 | 227 | 0.009 | 1.8 | 143.08 | 0.3 | 457 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 866,343.01 | 4.47 |
| F12031-F12029 | 8 | 163 | 0.006 | 1.4 | 210.97 | 0.31 | 397 | 396 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 722,926.27 | 3.73 |
| E02107-E02105 | 8 | 256 | 0.002 | 0 | 0 | 0 | 560.5 | 559.9 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 443,380.67 | 2.29 |
| H11005-H11001 | 8 | 169 | 0.004 | 3.3 | 574.11 | 0.32 | 369 | 368.39 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 554,509.99 | 2.86 |
| J06013-J06011 | 8 | 34 | 0.006 | 2.3 | 669.33 | 0.3 | 425.27 | 425.05 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 742,437.14 | 3.83 |
| F12047-F12045 | 8 | 301 | 0.003 | 2.5 | 609.53 | 0.32 | 394 | 393 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 531,991.34 | 2.74 |
| L13127-L13125 | 10 | 106 | 0.005 | 47.2 | 372,770.91 | 0.31 | 328 | 327.5 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,149,334.86 | 3.56 |
| C02035-C02033 | 8 | 147 | 0.007 | 1.6 | 285.02 | 0.31 | 654 | 653 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 761,253.22 | 3.93 |
| G05087-G05085 | 8 | 289 | 0.007 | 2.5 | 533.02 | 0.31 | 475 | 473 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 767,810.21 | 3.96 |
| J07145-J07143 | 8 | 315 | 0.003 | 3.4 | 1,134.50 | 0.32 | 409.75 | 408.65 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 545,417.25 | 2.81 |
| E03193-E03191 | 8 | 86 | 0.006 | 2.3 | 498.9 | 0.32 | 563.5 | 563 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 703,758.39 | 3.63 |
| G05031-G05029 | 8 | 279 | 0.007 | 2.7 | 533.02 | 0.31 | 482 | 480 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 781,449.11 | 4.03 |
| F07023-F07021 | 8 | 166 | 0.006 | 7.2 | 456.7 | 0.32 | 457 | 456 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 716,364.02 | 3.69 |
| F14005-G14033 | 8 | 294 | 0.003 | 2.3 | 421.94 | 0.32 | 435 | 434 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 538,287.31 | 2.78 |
| F15025-F15023 | 8 | 291 | 0.003 | 2.5 | 421.94 | 0.32 | 464 | 463 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 541,054.87 | 2.79 |
| G04073-G04071 | 8 | 341 | 0.006 | 3.6 | 710.7 | 0.33 | 478 | 476 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 706,847.32 | 3.65 |
| D19005-D19003 | 8 | 300 | 0.004 | 4.3 | 616.56 | 0.33 | 547.46 | 546.23 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 590,006.93 | 3.04 |
| C07013-C07011 | 8 | 213 | 0.014 | 0.8 | 86.2 | 0.33 | 512 | 509 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,095,364.43 | 5.65 |
| H04033-H04031 | 8 | 334 | 0.006 | 3.5 | 710.7 | 0.33 | 473 | 471 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 714,215.99 | 3.68 |
| G14115-G14113 | 8 | 59 | 0.007 | 1.4 | 210.97 | 0.32 | 397.64 | 397.23 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 769,402.74 | 3.97 |
| E13035-D13063 | 8 | 280 | 0.007 | 6.9 | 310.51 | 0.32 | 431 | 429 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 780,052.42 | 4.02 |
| G04079-G04077 | 8 | 332 | 0.006 | 3.2 | 710.7 | 0.33 | 480 | 478 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 716,364.02 | 3.69 |
| F12029-F12027 | 8 | 222 | 0.008 | 1.3 | 204.53 | 0.32 | 396 | 394.14 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 844,827.01 | 4.36 |
| E03145-E03143 | 8 | 297 | 0.01 | 3.2 | 476.91 | 0.35 | 559 | 556 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 927,620.23 | 4.78 |
| D13013-D13009 | 8 | 140 | 0.001 | 6.1 | 2,428.06 | 0.32 | 425.8 | 425.62 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 330,948.21 | 1.71 |
| H14031-H14027 | 8 | 34 | 0.009 | 5 | 200.59 | 0.31 | 395.33 | 395.01 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 895,412.88 | 4.62 |
| G05063-G05061 | 8 | 250 | 0.008 | 2.4 | 532.56 | 0.32 | 475 | 473 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 825,529.89 | 4.26 |
| E03155-E03151 | 8 | 145 | 0.007 | 2.1 | 492.57 | 0.32 | 561 | 560 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 766,485.26 | 3.95 |
| E12093-E12091 | 8 | 255 | 0.004 | 3.1 | 621.01 | 0.33 | 416 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 577,986.53 | 2.98 |
| D13055-D13053 | 8 | 253 | 0.004 | 2.7 | 671.94 | 0.34 | 425 | 424 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 580,266.56 | 2.99 |
| F12049-F12047 | 8 | 292 | 0.01 | 1.9 | 204.48 | 0.33 | 396.8 | 394 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 903,806.37 | 4.66 |
| B02026-B01050 | 8 | 0 | 0.008 | 1.5 | 285.02 | 0.33 | 684.51 | 682.12 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 846,696.16 | 4.37 |
| D07045-D07043 | 8 | 278 | 0.011 | 1.5 | 172.4 | 0.37 | 504 | 501 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 958,795.61 | 4.94 |
| G12079-G12071 | 8 | 250 | 0.004 | 8.8 | 421.94 | 0.34 | 386 | 385 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 583,737.78 | 3.01 |
| F14035-F14033 | 8 | 284 | 0.004 | 2.2 | 421.94 | 0.34 | 438.98 | 437.84 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 584,764.59 | 3.02 |
| G10067-G10061 | 8 | 320 | 0.001 | 8.3 | 2,089.67 | 0.34 | 396.25 | 395.86 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 322,214.53 | 1.66 |
| F09005-F09003 | 8 | 106 | 0.001 | 6.4 | 2,405.21 | 0.34 | 421.8 | 421.69 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 297,324.86 | 1.53 |
| G12105-G12103 | 8 | 138 | 0.004 | 2.2 | 421.94 | 0.34 | 377.06 | 376.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,952.55 | 3.03 |
| F06153-F06151 | 8 | 202 | 0.005 | 4.7 | 474.91 | 0.32 | 493 | 492 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 649,399.76 | 3.35 |
| G10073-G10071 | 8 | 231 | 0.004 | 2.5 | 419.75 | 0.34 | 401 | 400 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 607,269.99 | 3.13 |
| F09077-F09075 | 8 | 89 | 0.011 | 1.4 | 172.4 | 0.37 | 419 | 418 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 978,346.74 | 5.05 |
| H12049-H12047 | 8 | 159 | 0.001 | 5.1 | 1,476.80 | 0.34 | 366.22 | 366 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 343,321.17 | 1.77 |
| G05077-G05069 | 8 | 111 | 0.009 | 3.2 | 533.02 | 0.33 | 471 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 876,044.80 | 4.52 |
| B02009-B02007 | 8 | 294 | 0.004 | 2.8 | 839.31 | 0.34 | 689.61 | 688.38 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 594,969.23 | 3.07 |
| D07006-D07005 | 8 | 194 | 0.01 | 4.2 | 141.02 | 0.33 | 490 | 488 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 937,134.53 | 4.83 |
| J06001-J07029 | 8 | 276 | 0.014 | 2.2 | 651.22 | 0.34 | 417.9 | 413.9 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,111,125.88 | 5.73 |
| J07147-J07145 | 8 | 229 | 0.003 | 3.4 | 1,136.12 | 0.33 | 410.55 | 409.75 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 545,525.50 | 2.81 |
| D01021-D01019 | 8 | 248 | 0.004 | 3.1 | 657.81 | 0.35 | 609 | 608 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 586,086.84 | 3.02 |
| E02085-E02082 | 8 | 145 | 0.004 | 4.5 | 622.62 | 0.34 | 564.03 | 563.51 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 552,720.38 | 2.85 |
| H13011-H13009 | 8 | 195 | 0.002 | 3.5 | 843.88 | 0.35 | 371 | 370.52 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 457,921.59 | 2.36 |
| H05039-H05037 | 8 | 322 | 0.003 | 4.5 | 1,757.62 | 0.35 | 467 | 466 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 514,351.33 | 2.65 |
| G09087-G09083 | 8 | 216 | 0.005 | 2 | 419.75 | 0.35 | 406 | 405 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 628,001.86 | 3.24 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| C07047-C07035 | 8 | 246 | 0.004 | 2.6 | 602.01 | 0.36 | 522 | 521 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 588,464.48 | 3.03 |
| D08111-D08109 | 15 | 390 | 0.003 | 3.6 | 1,480.24 | 0.35 | 468 | 467 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,498,382.31 | 3.22 |
| G05037-G05035 | 8 | 279 | 0.007 | 2.7 | 710.7 | 0.35 | 480 | 478 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 781,449.11 | 4.03 |
| C06071-C06067 | 8 | 59 | 0.017 | 1.1 | 86.2 | 0.36 | 576 | 575 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,201,605.21 | 6.20 |
| F09025-F09023 | 15 | 242 | 0.004 | 3.5 | 755.52 | 0.36 | 429 | 428 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,171,637.30 | 4.09 |
| C02106-C02105 | 8 | 0 | 0.007 | 2.5 | 823.51 | 0.35 | 672.18 | 671.45 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 769,581.44 | 3.97 |
| G05049-G05047 | 8 | 290 | 0.003 | 4.2 | 1,722.97 | 0.35 | 480 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 541,986.92 | 2.80 |
| D08081-D08075 | 8 | 238 | 0.013 | 1.8 | 172.4 | 0.38 | 492 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,036,239.05 | 5.34 |
| F12053-F12051 | 8 | 206 | 0.009 | 1.3 | 210.97 | 0.34 | 399 | 397.15 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 874,661.60 | 4.51 |
| F12045-F12043 | 8 | 194 | 0.005 | 2.6 | 596.34 | 0.33 | 393 | 392 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 662,654.18 | 3.42 |
| F09067-G09011 | 8 | 348 | 0.003 | 3.1 | 859.63 | 0.35 | 415 | 414 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 494,764.11 | 2.55 |
| F12051-F12049 | 8 | 31 | 0.011 | 1.2 | 204.66 | 0.35 | 397.15 | 396.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 980,710.86 | 5.06 |
| H11053-G11051 | 8 | 286 | 0.003 | 3.8 | 594.1 | 0.34 | 387 | 386 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 545,763.88 | 2.81 |
| K14049-K14037 | 8 | 181 | 0.006 | 5.9 | 408.79 | 0.34 | 327 | 326 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 686,038.55 | 3.54 |
| J06015-J06013 | 8 | 34 | 0.009 | 2.2 | 669.7 | 0.34 | 425.59 | 425.27 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 895,412.88 | 4.62 |
| G04071-G04069 | 8 | 349 | 0.003 | 5.1 | 2,106.20 | 0.36 | 476 | 475 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 494,054.77 | 2.55 |
| D15037-D15035 | 8 | 218 | 0.001 | 8.7 | 4,340.15 | 0.36 | 459.32 | 459.12 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 279,559.70 | 1.44 |
| E13125-E13123 | 8 | 210 | 0.005 | 2.8 | 621.01 | 0.36 | 415 | 414 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 636,910.14 | 3.28 |
| C07009-C07007 | 8 | 89 | 0.011 | 1.2 | 171.55 | 0.34 | 507 | 506 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 978,346.74 | 5.05 |
| J11137-J11135 | 8 | 333 | 0.003 | 4.3 | 1,099.22 | 0.36 | 373 | 372 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 505,784.70 | 2.61 |
| H04031-H04029 | 8 | 342 | 0.003 | 6.4 | 2,106.93 | 0.36 | 471 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 499,085.27 | 2.57 |
| H13047-H13019 | 8 | 248 | 0.002 | 8.8 | 1,021.14 | 0.35 | 372 | 371.44 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 438,587.23 | 2.26 |
| G03041-G03039 | 8 | 194 | 0.004 | 3 | 622.62 | 0.37 | 510.87 | 510 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 618,082.67 | 3.19 |
| K07015-K07011 | 8 | 161 | 0.03 | 2.1 | 640.06 | 0.28 | 410.32 | 405.54 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,590,335.73 | 8.20 |
| C06089-C06085 | 8 | 147 | 0.014 | 1.1 | 172.4 | 0.39 | 607 | 605 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,076,574.62 | 5.55 |
| J06029-J06025 | 8 | 274 | 0.007 | 2.4 | 673.95 | 0.36 | 430.05 | 428.08 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 782,610.44 | 4.04 |
| K13023-K13021 | 8 | 304 | 0.003 | 3.3 | 817.58 | 0.36 | 334 | 333 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 529,359.87 | 2.73 |
| E13039-E13037 | 8 | 210 | 0.005 | 3.3 | 648 | 0.36 | 428 | 427 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 636,910.14 | 3.28 |
| J07149-J07147 | 8 | 254 | 0.004 | 3.4 | 1,150.94 | 0.34 | 411.44 | 410.55 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 546,343.72 | 2.82 |
| H06047-H06045 | 8 | 217 | 0.005 | 2.9 | 572.31 | 0.36 | 452 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 626,553.18 | 3.23 |
| G04033-G05019 | 8 | 306 | 0.003 | 4.5 | 2,068.65 | 0.36 | 486 | 485 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 527,627.10 | 2.72 |
| F07011-F07009 | 8 | 170 | 0.006 | 2.6 | 474.91 | 0.34 | 456 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 707,886.04 | 3.65 |
| E14057-E14055 | 8 | 199 | 0.005 | 3.4 | 621.01 | 0.37 | 449 | 448 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 654,276.42 | 3.37 |
| F13005-F13003 | 8 | 201 | 0.01 | 1.7 | 210.97 | 0.35 | 401 | 399 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 920,671.66 | 4.75 |
| C02073-C02071 | 8 | 273 | 0.011 | 1.8 | 285.02 | 0.36 | 631 | 628 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 967,535.95 | 4.99 |
| E03151-E03147 | 4 | 78 | 0.006 | 4.9 | 488.05 | 0.34 | 560 | 559.5 | Vitrified Clay Pipe-Circular-4 inch | 0.1 | 116,380.13 | 1.80 |
| G12053-G12023 | 8 | 184 | 0.003 | 13.3 | 843.88 | 0.37 | 381.87 | 381.36 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 485,919.12 | 2.51 |
| E14103-E14099 | 8 | 197 | 0.005 | 4.2 | 621.01 | 0.37 | 438 | 437 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 657,589.23 | 3.39 |
| F07005-F07003 | 8 | 167 | 0.006 | 3.3 | 474.91 | 0.35 | 453 | 452 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 714,215.99 | 3.68 |
| E18101-E18099 | 8 | 97 | 0.01 | 1.7 | 310.51 | 0.39 | 540 | 539 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 937,134.53 | 4.83 |
| E02099-E02097 | 8 | 292 | 0.006 | 0.8 | 0 | 0 | 556.03 | 554.38 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 689,102.66 | 3.55 |
| G09137-G09135 | 8 | 400 | 0.005 | 3.4 | 663 | 0.37 | 425 | 423 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 652,638.68 | 3.37 |
| G14063-G14061 | 8 | 198 | 0.005 | 2.5 | 421.94 | 0.37 | 405 | 404 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,926.55 | 3.38 |
| J07161-J07153 | 8 | 203 | 0.002 | 3.9 | 1,269.42 | 0.36 | 416.66 | 416.18 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 448,807.81 | 2.31 |
| H13017-H13015 | 8 | 195 | 0.003 | 3.5 | 843.88 | 0.37 | 372 | 371.45 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 490,175.78 | 2.53 |
| G05073-G05071 | 8 | 295 | 0.003 | 4.9 | 1,929.46 | 0.37 | 472 | 471 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 537,374.18 | 2.77 |
| F02080-F02079 | 8 | 116 | 0.009 | 2.3 | 311.31 | 0.36 | 540.28 | 539.09 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 857,080.76 | 4.42 |
| H13037-H13035 | 8 | 208 | 0.001 | 5.4 | 1,858.66 | 0.37 | 373.2 | 372.9 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 350,523.20 | 1.81 |
| E11085-E11083 | 8 | 189 | 0.005 | 3.1 | 621.01 | 0.37 | 414 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 671,362.23 | 3.46 |
| F09065-F09063 | 8 | 319 | 0.006 | 2.1 | 344.8 | 0.35 | 417 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 730,815.02 | 3.77 |
| F12041-F12037 | 8 | 310 | 0.003 | 3.5 | 1,185.03 | 0.37 | 390 | 389 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 524,212.00 | 2.70 |
| G09165-G09163 | 8 | 246 | 0.004 | 3.3 | 945.66 | 0.36 | 418 | 417 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 588,464.48 | 3.03 |
| G10071-G10069 | 8 | 302 | 0.003 | 3 | 838.36 | 0.37 | 400 | 399 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 531,109.83 | 2.74 |
| J11099-J11095 | 8 | 307 | 0.005 | 2.7 | 634.94 | 0.38 | 375.66 | 374 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 678,691.90 | 3.50 |
| F18047-F18033 | 12 | 70 | 0.014 | 6.2 | 310.51 | 0.38 | 547 | 546 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,252,486.32 | 6.29 |
| F05135-F05133 | 8 | 302 | 0.003 | 4 | 933.93 | 0.38 | 502 | 501 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 531,109.83 | 2.74 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| C06103-C06097 | 8 | 204 | 0.005 | 2.7 | 517.2 | 0.38 | 612 | 611 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 646,208.59 | 3.33 |
| F15029-F15027 | 8 | 291 | 0.003 | 3.6 | 1,013.19 | 0.37 | 454 | 453.12 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 507,554.46 | 2.62 |
| E13113-E13111 | 8 | 183 | 0.005 | 3.7 | 621.01 | 0.38 | 416 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 682,279.41 | 3.52 |
| C07007-D07027 | 8 | 346 | 0.012 | 1.8 | 257.41 | 0.37 | 506 | 502 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 992,384.00 | 5.12 |
| F03053-F03051 | 8 | 364 | 0.003 | 4.5 | 1,245.24 | 0.38 | 520 | 519 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 483,767.98 | 2.49 |
| F03079-F03077 | 8 | 298 | 0.003 | 3.7 | 933.93 | 0.38 | 513 | 512 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 534,662.44 | 2.76 |
| K14097-K14095 | 8 | 93 | 0.001 | 10.6 | 4,784.89 | 0.37 | 321.6 | 321.52 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 270,701.91 | 1.40 |
| D07035-D07013 | 8 | 91 | 0.011 | 3.6 | 257.85 | 0.41 | 494 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 967,535.95 | 4.99 |
| H12057-H12055 | 8 | 182 | 0.005 | 2.5 | 421.94 | 0.38 | 374 | 373 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 684,151.23 | 3.53 |
| F03039-F03037 | 8 | 358 | 0.003 | 4.5 | 1,245.24 | 0.38 | 526 | 525 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 487,805.05 | 2.52 |
| G04053-G04051 | 8 | 339 | 0.009 | 2.7 | 710.7 | 0.37 | 494 | 491 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 868,257.58 | 4.48 |
| G05153-G05151 | 8 | 105 | 0.01 | 1.8 | 311.31 | 0.37 | 488 | 487 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 900,726.95 | 4.65 |
| G05075-G05073 | 8 | 305 | 0.007 | 3.5 | 888.37 | 0.36 | 474 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 747,399.64 | 3.85 |
| H05033-H05031 | 8 | 335 | 0.009 | 2.9 | 710.7 | 0.37 | 469 | 466 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 873,425.83 | 4.50 |
| C07073-C07057 | 8 | 391 | 0.005 | 3.1 | 517.2 | 0.38 | 520 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 660,107.13 | 3.40 |
| F10047-F10045 | 8 | 299 | 0.007 | 2.3 | 344.8 | 0.36 | 416 | 414 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 754,861.39 | 3.89 |
| C07075-C07055 | 8 | 390 | 0.005 | 3.7 | 517.2 | 0.38 | 517 | 515 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 660,952.88 | 3.41 |
| J07151-J07149 | 8 | 324 | 0.003 | 3.4 | 1,158.59 | 0.38 | 412.57 | 411.44 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 545,072.82 | 2.81 |
| F06033-F06031 | 8 | 109 | 0.009 | 2.3 | 460.77 | 0.37 | 478 | 477 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 884,045.38 | 4.56 |
| F14121-F14119 | 8 | 251 | 0.004 | 3.3 | 931.52 | 0.37 | 448 | 447 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 582,573.80 | 3.00 |
| E02101-E02099 | 8 | 296 | 0.006 | 0 | 0 | 0 | 557.7 | 556.03 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 690,936.14 | 3.56 |
| F14137-F14135 | 8 | 248 | 0.012 | 1.4 | 310.51 | 0.38 | 431 | 428 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,015,132.18 | 5.24 |
| G14093-G14091 | 8 | 175 | 0.006 | 2.5 | 421.94 | 0.39 | 419 | 418 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 697,700.10 | 3.60 |
| E05125-E05123 | 8 | 196 | 0.005 | 5.3 | 622.62 | 0.39 | 531 | 530 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 659,264.62 | 3.40 |
| L13159-L13157 | 8 | 193 | 0.005 | 100 | 666.3 | 0.4 | 329 | 328 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 664,368.68 | 3.43 |
| C02126-C02124 | 8 | 300 | 0.018 | 1.7 | 277.11 | 0.39 | 655.5 | 650.2 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,226,775.56 | 6.33 |
| H13035-H13025 | 8 | 198 | 0.002 | 9.1 | 2,209.39 | 0.38 | 372.9 | 372.6 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 359,265.77 | 1.85 |
| E07107-E07105 | 8 | 250 | 0.004 | 3.8 | 949.81 | 0.37 | 486 | 485 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 583,737.78 | 3.01 |
| H13049-H13047 | 8 | 248 | 0.004 | 3 | 632.91 | 0.37 | 373 | 372 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 586,086.84 | 3.02 |
| F12059-F12057 | 8 | 171 | 0.006 | 1.9 | 421.94 | 0.39 | 398 | 397 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 705,813.16 | 3.64 |
| L13001-K13039 | 15 | 319 | 0.003 | 16.3 | 1,574.44 | 0.39 | 325 | 324 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,762,459.11 | 3.56 |
| G12103-G12101 | 8 | 351 | 0.004 | 2.4 | 613.46 | 0.38 | 376.5 | 375 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 603,364.67 | 3.11 |
| G04019-G04017 | 8 | 316 | 0.009 | 2.8 | 710.7 | 0.38 | 490 | 487 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 899,300.62 | 4.64 |
| G10053-G10051 | 8 | 201 | 0.002 | 8.6 | 1,259.24 | 0.38 | 402 | 401.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 460,335.83 | 2.37 |
| G12061-G12059 | 8 | 304 | 0.003 | 3.8 | 843.88 | 0.39 | 385 | 384 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 529,359.87 | 2.73 |
| F06035-F06033 | 8 | 354 | 0.008 | 1.8 | 474.91 | 0.4 | 481 | 478 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 849,663.19 | 4.38 |
| F02079-F02078 | 8 | 232 | 0.004 | 4.1 | 980.89 | 0.39 | 539.09 | 538.32 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 554,936.60 | 2.86 |
| D15001-E15011 | 8 | 297 | 0.003 | 4.6 | 1,247.44 | 0.39 | 466 | 465 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 535,561.79 | 2.76 |
| H11009-H12079 | 8 | 270 | 0.004 | 4.4 | 1,148.22 | 0.39 | 366 | 365 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 561,701.94 | 2.90 |
| F02159-F02158 | 8 | 300 | 0.009 | 11.3 | 397.56 | 0.4 | 541.62 | 540.18 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 859,636.82 | 4.43 |
| F05153-F05151 | 8 | 328 | 0.003 | 3.8 | 1,245.24 | 0.4 | 506 | 505 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 509,625.19 | 2.63 |
| E17023-E16091 | 8 | 235 | 0.004 | 4 | 931.52 | 0.38 | 506 | 505 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 602,079.55 | 3.11 |
| J06011-J06009 | 8 | 175 | 0.014 | 2.3 | 668.91 | 0.42 | 425.05 | 422.63 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,085,366.63 | 5.60 |
| C06105-C06057 | 8 | 210 | 0.005 | 4.9 | 1,030.94 | 0.39 | 538 | 537 | Concrete-Circular-8 inch | 0.3 | 538,923.96 | 2.78 |
| G05125-G05115 | 8 | 325 | 0.003 | 4.9 | 1,245.24 | 0.4 | 492 | 491 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 511,971.90 | 2.64 |
| G13133-G13131 | 8 | 327 | 0.006 | 3.5 | 421.94 | 0.4 | 384 | 382 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 721,820.03 | 3.72 |
| F10045-G10019 | 8 | 261 | 0.004 | 2.9 | 859.97 | 0.4 | 414 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 571,304.38 | 2.95 |
| D07027-D07017 | 8 | 357 | 0.006 | 3.2 | 600.51 | 0.4 | 502 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 690,826.04 | 3.56 |
| C03037-C03035 | 8 | 219 | 0.005 | 2.8 | 854.47 | 0.38 | 690 | 689 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 623,685.65 | 3.22 |
| G05025-G05023 | 8 | 279 | 0.007 | 3 | 888.37 | 0.37 | 484 | 482 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 781,449.11 | 4.03 |
| D13017-D13015 | 8 | 192 | 0.005 | 3.9 | 770.82 | 0.39 | 427 | 426 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 666,096.56 | 3.44 |
| G09083-G09077 | 8 | 349 | 0.009 | 5.9 | 418.72 | 0.4 | 405 | 402 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 855,727.96 | 4.41 |
| F04069-F04067 | 8 | 321 | 0.003 | 4.2 | 1,245.24 | 0.4 | 505 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 515,151.88 | 2.66 |
| F14135-F13087 | 8 | 252 | 0.016 | 1.4 | 308.15 | 0.43 | 428 | 424 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,162,833.49 | 6.00 |
| F15145-F15143 | 8 | 219 | 0.014 | 2.6 | 310.51 | 0.39 | 455 | 452 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,080,255.23 | 5.57 |
| J11075-J12071 | 8 | 316 | 0.003 | 4.3 | 1,530.96 | 0.4 | 367 | 366 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 519,211.46 | 2.68 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| C02053-C02051 | 8 | 151 | 0.007 | 3.3 | 570.04 | 0.38 | 643 | 642 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 751,102.72 | 3.87 |
| G13073-G13071 | 8 | 232 | 0.004 | 6 | 646.39 | 0.38 | 406 | 405 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 605,959.80 | 3.13 |
| G05079-G05067 | 8 | 324 | 0.003 | 5.9 | 3,122.60 | 0.4 | 468 | 467 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 512,761.37 | 2.64 |
| J06017-J06015 | 8 | 123 | 0.013 | 2 | 670.77 | 0.38 | 427.17 | 425.59 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,046,077.34 | 5.40 |
| G05071-G05069 | 8 | 308 | 0.003 | 5.4 | 2,940.63 | 0.4 | 471 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 525,911.24 | 2.71 |
| H11111-H11109 | 6 | 220 | 0.009 | 2.9 | 382.74 | 0.4 | 374 | 372 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 408,621.77 | 3.16 |
| F06025-F06001 | 8 | 221 | 0.005 | 5.1 | 1,335.11 | 0.39 | 470 | 469 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 620,857.13 | 3.20 |
| E02103-E02101 | 8 | 191 | 0.006 | 0 | 0 | 0 | 558.84 | 557.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 702,113.17 | 3.62 |
| G07021-G07019 | 8 | 228 | 0.004 | 3.6 | 949.81 | 0.38 | 471 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 611,252.13 | 3.15 |
| E12073-E12071 | 8 | 77 | 0.006 | 4.2 | 621.01 | 0.41 | 415 | 414.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 743,750.80 | 3.84 |
| E06129-E06127 | 8 | 271 | 0.002 | 6.4 | 2,830.86 | 0.4 | 496.5 | 496 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 396,449.76 | 2.04 |
| F13119-F13117 | 8 | 222 | 0.005 | 3.1 | 931.52 | 0.4 | 414 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 619,457.22 | 3.19 |
| H05029-H05027 | 8 | 320 | 0.003 | 8.3 | 3,128.29 | 0.41 | 464 | 463 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 515,956.18 | 2.66 |
| E13043-E13041 | 8 | 221 | 0.005 | 3.7 | 931.52 | 0.4 | 426 | 425 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 620,857.13 | 3.20 |
| J11095-J11093 | 8 | 213 | 0.005 | 5 | 1,040.66 | 0.39 | 374 | 373 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 632,408.95 | 3.26 |
| H06051-H06041 | 8 | 182 | 0.005 | 3.6 | 715.39 | 0.41 | 448 | 447 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 684,151.23 | 3.53 |
| G09171-G09169 | 8 | 395 | 0.013 | 1.8 | 372.76 | 0.4 | 424 | 419 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,038,422.91 | 5.36 |
| E15093-E14033 | 8 | 272 | 0.004 | 5 | 1,242.02 | 0.4 | 454 | 453 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 559,633.05 | 2.89 |
| F14041-F14037 | 8 | 298 | 0.003 | 3.3 | 1,021.12 | 0.4 | 442 | 441 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 534,662.44 | 2.76 |
| F15071-F15069 | 8 | 137 | 0.015 | 2 | 310.51 | 0.4 | 468 | 466 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,115,173.71 | 5.75 |
| G05053-G05051 | 8 | 298 | 0.007 | 3 | 1,222.18 | 0.41 | 483 | 481 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 756,126.87 | 3.90 |
| F03067-F03065 | 8 | 300 | 0.003 | 4.1 | 1,245.24 | 0.41 | 522 | 521 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 532,877.25 | 2.75 |
| D13057-D13055 | 8 | 253 | 0.012 | 2 | 364.12 | 0.39 | 428 | 425 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,005,051.17 | 5.18 |
| G13075-F13031 | 8 | 272 | 0.004 | 10.4 | 854.83 | 0.41 | 402 | 401 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 559,633.05 | 2.89 |
| D11069-D11067 | 8 | 110 | 0.009 | 2.2 | 514.78 | 0.41 | 433 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 880,017.82 | 4.54 |
| F03071-F03069 | 8 | 298 | 0.003 | 4.5 | 1,245.24 | 0.41 | 519 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 534,662.44 | 2.76 |
| F03075-F03073 | 8 | 298 | 0.003 | 4.1 | 1,245.24 | 0.41 | 516 | 515 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 534,662.44 | 2.76 |
| J06031-J06029 | 8 | 266 | 0.007 | 2.2 | 681.14 | 0.38 | 432.04 | 430.05 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 798,313.60 | 4.12 |
| G04115-G04113 | 8 | 492 | 0.002 | 5.9 | 2,173.40 | 0.4 | 497 | 496 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 416,107.22 | 2.15 |
| F04125-F04123 | 8 | 201 | 0.002 | 5.9 | 1,867.86 | 0.41 | 516.46 | 515.99 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 446,312.15 | 2.30 |
| D14127-D14125 | 8 | 260 | 0.004 | 3.5 | 1,241.40 | 0.41 | 474 | 473 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 572,401.99 | 2.95 |
| G05085-H05053 | 8 | 299 | 0.007 | 3.3 | 1,227.33 | 0.41 | 473 | 471 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 754,861.39 | 3.89 |
| C01020-C01019 | 8 | 293 | 0.003 | 5.6 | 2,726.79 | 0.4 | 640.71 | 639.68 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 543,535.85 | 2.80 |
| H09021-H09019 | 6 | 142 | 0.007 | 2.9 | 530.4 | 0.41 | 418 | 417 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 359,644.71 | 2.78 |
| E12017-E12015 | 8 | 304 | 0.003 | 8.4 | 1,552.53 | 0.41 | 416 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 529,359.87 | 2.73 |
| E03161-E03159 | 8 | 218 | 0.009 | 1.9 | 511.86 | 0.42 | 565 | 563 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 884,045.38 | 4.56 |
| E14091-E14089 | 8 | 300 | 0.003 | 9.3 | 1,552.53 | 0.41 | 435 | 434.01 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 530,206.17 | 2.73 |
| E08091-E08089 | 8 | 215 | 0.005 | 3.8 | 949.81 | 0.39 | 463 | 462 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 629,460.64 | 3.25 |
| D16083-D16081 | 8 | 55 | 0.001 | 10.9 | 6,956.96 | 0.4 | 481 | 480.95 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 278,286.07 | 1.44 |
| E04159-E04157 | 8 | 250 | 0.012 | 1.9 | 311.31 | 0.4 | 537 | 534 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,011,063.49 | 5.21 |
| F03059-F03057 | 8 | 356 | 0.003 | 4.2 | 1,556.55 | 0.41 | 518 | 517 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 489,173.37 | 2.52 |
| E11071-E11069 | 10 | 379 | 0.005 | 3.1 | 931.52 | 0.39 | 411 | 409 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,215,653.77 | 3.76 |
| H06019-H06017 | 8 | 344 | 0.006 | 2.9 | 715.39 | 0.42 | 447 | 445 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 703,758.39 | 3.63 |
| G05123-G05117 | 8 | 290 | 0.003 | 5.1 | 1,245.24 | 0.41 | 493 | 492 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 541,986.92 | 2.80 |
| E02082-E02080 | 8 | 301 | 0.002 | 6.4 | 3,064.30 | 0.41 | 563.51 | 563 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 380,550.47 | 1.96 |
| F03063-F03061 | 8 | 289 | 0.003 | 4.5 | 1,245.24 | 0.41 | 524 | 523 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 542,923.81 | 2.80 |
| E05071-E05069 | 8 | 129 | 0.008 | 2.4 | 511.86 | 0.39 | 526 | 525 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 812,630.19 | 4.19 |
| F15037-G15023 | 8 | 289 | 0.007 | 2 | 421.94 | 0.42 | 446 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 767,810.21 | 3.96 |
| C02132-C02130 | 8 | 274.8 | 0.017 | 1.2 | 284.72 | 0.45 | 672.64 | 667.91 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,208,269.57 | 6.23 |
| F07007-F07003 | 8 | 337 | 0.003 | 4.5 | 1,859.59 | 0.4 | 453 | 452 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 502,774.05 | 2.59 |
| F05157-F05155 | 8 | 163 | 0.012 | 1.9 | 311.31 | 0.4 | 505 | 503 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,022,372.13 | 5.27 |
| C02049-C02047 | 8 | 137 | 0.007 | 3.2 | 570.04 | 0.39 | 641 | 640 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 788,546.89 | 4.07 |
| J06035-J06031 | 8 | 247 | 0.007 | 2.2 | 687.16 | 0.39 | 433.82 | 432.04 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 783,518.64 | 4.04 |
| J05001-J06043 | 8 | 243 | 0.005 | 2.6 | 773.15 | 0.41 | 439.15 | 437.95 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 648,597.53 | 3.35 |
| E02073-E02072 | 8 | 80.2 | 0.006 | 3.2 | 622.62 | 0.42 | 562.2 | 561.69 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 732,369.73 | 3.78 |
| E11083-E11081 | 8 | 283 | 0.004 | 5.1 | 1,548.75 | 0.42 | 413 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 548,649.00 | 2.83 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| C03025-C03023 | 8 | 238 | 0.004 | 3.3 | 1,140.08 | 0.42 | 666 | 665 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 598,272.90 | 3.09 |
| E06143-F06099 | 8 | 355 | 0.003 | 5.9 | 1,899.63 | 0.41 | 490 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 489,861.86 | 2.53 |
| C02128-C02126 | 8 | 300 | 0.019 | 1.2 | 280.99 | 0.41 | 661.11 | 655.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,262,143.14 | 6.51 |
| H12047-H12041 | 8 | 178 | 0.002 | 11.8 | 2,244.69 | 0.42 | 366 | 365.68 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 391,338.70 | 2.02 |
| E03159-E03157 | 8 | 97 | 0.01 | 2.1 | 506.31 | 0.41 | 563 | 562 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 937,134.53 | 4.83 |
| H05041-H05039 | 8 | 334 | 0.012 | 3.1 | 710.7 | 0.41 | 471 | 467 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,010,053.95 | 5.21 |
| G08113-G08111 | 8 | 323 | 0.012 | 3.9 | 397.8 | 0.41 | 436 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,027,109.02 | 5.30 |
| F08071-F08069 | 8 | 232 | 0.004 | 3.9 | 839.49 | 0.42 | 443 | 442 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 605,959.80 | 3.13 |
| J11019-J11017 | 8 | 221 | 0.005 | 4.4 | 1,146.93 | 0.42 | 382 | 381 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 620,857.13 | 3.20 |
| F15053-F15051 | 8 | 285 | 0.004 | 3.3 | 1,054.86 | 0.42 | 451 | 450 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 546,720.52 | 2.82 |
| G11039-G11025 | 8 | 263 | 0.008 | 5.7 | 419.75 | 0.4 | 385 | 383 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 804,868.50 | 4.15 |
| J12061-J12059 | 8 | 481 | 0.002 | 10.6 | 3,576.30 | 0.41 | 362 | 361 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 420,838.31 | 2.17 |
| D07057-D07053 | 8 | 183 | 0.015 | 1.6 | 172.4 | 0.41 | 516.8 | 514 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,141,671.81 | 5.89 |
| F09129-F09127 | 8 | 230 | 0.004 | 3.2 | 839.49 | 0.42 | 434 | 433 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 608,588.71 | 3.14 |
| H05031-H05029 | 8 | 335 | 0.006 | 4.6 | 1,755.41 | 0.43 | 466 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 713,149.20 | 3.68 |
| G13003-G13001 | 8 | 336 | 0.003 | 4 | 1,265.83 | 0.42 | 389 | 388 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 503,521.67 | 2.60 |
| E14049-E14035 | 8 | 326 | 0.003 | 5.6 | 1,863.03 | 0.42 | 438 | 437 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 511,186.07 | 2.64 |
| K13033-K13031 | 8 | 276 | 0.002 | 6.1 | 2,043.96 | 0.43 | 338.2 | 337.52 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 458,128.94 | 2.36 |
| H11003-H11001 | 8 | 124 | 0.005 | 3.6 | 1,053.00 | 0.41 | 369 | 368.39 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 647,354.07 | 3.34 |
| D08095-D08093 | 8 | 376 | 0.008 | 1.7 | 410.75 | 0.4 | 479 | 476 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 824,431.38 | 4.25 |
| C07069-C07067 | 8 | 189 | 0.011 | 1.7 | 344.8 | 0.42 | 530 | 528 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 949,449.57 | 4.90 |
| H11001-H12075 | 8 | 239 | 0.004 | 4.7 | 1,811.12 | 0.43 | 368.39 | 367.54 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 550,425.21 | 2.84 |
| E12023-E12013 | 12 | 229 | 0.009 | 3.6 | 621.01 | 0.41 | 416 | 414 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,543,090.14 | 4.92 |
| K14073-K14071 | 8 | 313 | 0.003 | 8.3 | 1,530.67 | 0.42 | 330 | 329 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 521,693.76 | 2.69 |
| G05081-G05079 | 8 | 320 | 0.006 | 4.6 | 1,747.15 | 0.44 | 470 | 468 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 729,672.23 | 3.76 |
| J06039-J06035 | 8 | 247 | 0.007 | 2.2 | 688.39 | 0.43 | 435.58 | 433.82 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 779,104.41 | 4.02 |
| G04017-G04015 | 8 | 322 | 0.006 | 3.8 | 1,579.37 | 0.43 | 487 | 485 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 727,402.63 | 3.75 |
| C06075-C06073 | 8 | 354 | 0.003 | 4.8 | 1,717.63 | 0.43 | 554 | 553 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 490,553.27 | 2.53 |
| E03141-E03139 | 8 | 270 | 0.004 | 4.8 | 1,535.58 | 0.43 | 569 | 568 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 561,701.94 | 2.90 |
| F08081-F08079 | 8 | 221 | 0.005 | 3.9 | 839.49 | 0.43 | 439 | 438 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 620,857.13 | 3.20 |
| G04039-H04011 | 8 | 302 | 0.01 | 3.1 | 1,054.20 | 0.44 | 479 | 476 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 919,909.20 | 4.74 |
| E12113-E12111 | 8 | 461 | 0.002 | 5.8 | 2,794.55 | 0.42 | 411 | 410 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 429,870.20 | 2.22 |
| E11159-E11157 | 8 | 131 | 0.008 | 2.3 | 638.01 | 0.4 | 407 | 406 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 806,403.05 | 4.16 |
| F15011-F15009 | 8 | 329 | 0.006 | 2.5 | 632.91 | 0.44 | 457 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 719,622.70 | 3.71 |
| G14097-G14095 | 8 | 281 | 0.001 | 8.7 | 4,522.34 | 0.42 | 397.06 | 396.78 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 291,349.09 | 1.50 |
| F12057-F12047 | 8 | 301 | 0.01 | 2.1 | 408.69 | 0.44 | 397 | 394 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 921,436.02 | 4.75 |
| H09019-G09155 | 8 | 246 | 0.008 | 2.5 | 623.93 | 0.41 | 417 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 832,214.45 | 4.29 |
| D03131-D03129 | 8 | 266 | 0.004 | 4.1 | 1,535.58 | 0.43 | 585 | 584 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 565,909.51 | 2.92 |
| D11083-D11081 | 8 | 266 | 0.004 | 4.9 | 1,570.84 | 0.43 | 448 | 447 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 565,909.51 | 2.92 |
| J11073-J12067 | 8 | 160 | 0.006 | 3.6 | 956.85 | 0.44 | 370 | 369 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 729,672.23 | 3.76 |
| F07077-F07075 | 8 | 253 | 0.004 | 4.5 | 1,424.72 | 0.43 | 471 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 580,266.56 | 2.99 |
| J06091-J06089 | 8 | 47 | 0.007 | 7.2 | 630.9 | 0.43 | 430.66 | 430.33 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 773,385.18 | 3.99 |
| E12091-E12085 | 8 | 253 | 0.004 | 7.8 | 1,546.96 | 0.43 | 415 | 414 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 580,266.56 | 2.99 |
| J12057-J12055 | 8 | 430 | 0.006 | 3.6 | 955.62 | 0.44 | 364.75 | 362 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 738,108.02 | 3.81 |
| F07141-F07139 | 8 | 385 | 0.003 | 5.1 | 2,374.54 | 0.43 | 468 | 467 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 470,389.31 | 2.43 |
| F14047-F14045 | 8 | 217 | 0.005 | 3.2 | 823.94 | 0.43 | 430 | 429 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 626,553.18 | 3.23 |
| G04075-G04069 | 8 | 252 | 0.004 | 5.2 | 2,940.37 | 0.43 | 476 | 475 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 581,416.75 | 3.00 |
| C02086-C02084 | 8 | 0 | 0.003 | 4.8 | 2,283.46 | 0.42 | 653.57 | 652.92 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 528,824.89 | 2.73 |
| C02084-C02082 | 8 | 224.2 | 0.004 | 4.6 | 2,265.65 | 0.43 | 652.92 | 652.13 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 570,185.51 | 2.94 |
| J11145-J11143 | 8 | 99 | 0.004 | 4.2 | 1,428.70 | 0.43 | 372.18 | 371.77 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 593,966.76 | 3.06 |
| F09059-F10043 | 8 | 265 | 0.011 | 1.8 | 344.4 | 0.43 | 418 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 982,031.68 | 5.06 |
| F04083-F04079 | 8 | 199 | 0.002 | 5.6 | 2,460.34 | 0.43 | 523.54 | 523.08 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 443,751.86 | 2.29 |
| F14017-F14015 | 8 | 378 | 0.008 | 2.2 | 421.94 | 0.41 | 448 | 445 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 822,247.45 | 4.24 |
| F09075-F09067 | 8 | 297 | 0.01 | 2.4 | 430.68 | 0.44 | 418 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 927,620.23 | 4.78 |
| G04035-G04033 | 8 | 298 | 0.007 | 4 | 1,573.89 | 0.44 | 488 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 756,126.87 | 3.90 |
| G07017-G07015 | 8 | 310 | 0.003 | 5 | 1,899.63 | 0.43 | 459 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 524,212.00 | 2.70 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|-------------------------------------|-------------------------------------|----------------|-----------------------------|
| G09163-G09159 | 8 | 240 | 0.004 | 3.7 | 1,533.89 | 0.44 | 417 | 415.94 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 613,387.78 | 3.16 |
| G04013-G04011 | 8 | 256 | 0.004 | 5.8 | 3,256.10 | 0.44 | 482 | 481 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| D13113-D13061 | 8 | 228 | 0.004 | 8.6 | 1,328.65 | 0.44 | 427 | 426 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 611,252.13 | 3.15 |
| H06049-H06043 | 8 | 130 | 0.008 | 3 | 572.31 | 0.44 | 450 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 809,498.65 | 4.17 |
| D02109-E02029 | 8 | 460 | 0.005 | 0 | 0 | 0 | 591.82 | 589.51 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 654,055.92 | 3.37 |
| E14039-E14037 | 8 | 255 | 0.004 | 3.9 | 1,552.53 | 0.44 | 440 | 439 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 577,986.53 | 2.98 |
| E13123-F13127 | 8 | 205 | 0.005 | 3.7 | 1,237.53 | 0.44 | 414 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 644,630.54 | 3.32 |
| G05059-G05057 | 8 | 258 | 0.008 | 3.2 | 1,382.32 | 0.44 | 472 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 812,630.19 | 4.19 |
| G05029-G05027 | 8 | 303 | 0.007 | 3.4 | 1,583.45 | 0.44 | 480 | 478 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 749,862.25 | 3.87 |
| F15019-F15015 | 8 | 313 | 0.003 | 4.1 | 1,620.54 | 0.43 | 458 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 521,693.76 | 2.69 |
| E11105-E11103 | 8 | 152 | 0.007 | 3.3 | 931.52 | 0.45 | 416 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 748,627.91 | 3.86 |
| E11155-E11153 | 8 | 323 | 0.003 | 7.7 | 2,136.80 | 0.43 | 405 | 404 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 513,554.51 | 2.65 |
| F02049-F02047 | 8 | 153 | 0.015 | 1.4 | 311.31 | 0.47 | 532.27 | 529.97 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,131,634.06 | 5.84 |
| J11143-J11141 | 8 | 247 | 0.003 | 4.8 | 2,190.30 | 0.43 | 371.77 | 371 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 515,329.13 | 2.66 |
| G04007-G04005 | 8 | 285 | 0.014 | 2.8 | 710.7 | 0.43 | 486 | 482 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,093,441.05 | 5.64 |
| H11095-H11093 | 8 | 318 | 0.003 | 5.8 | 1,451.26 | 0.43 | 383 | 382 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 517,576.14 | 2.67 |
| G07055-G07053 | 8 | 303 | 0.003 | 4.7 | 1,556.55 | 0.43 | 456 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 530,232.68 | 2.73 |
| G04029-G04027 | 8 | 300 | 0.007 | 3.7 | 1,586.90 | 0.44 | 484 | 482 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 753,602.23 | 3.89 |
| E12125-E12123 | 8 | 249 | 0.004 | 3.8 | 1,552.53 | 0.44 | 414 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 584,908.77 | 3.02 |
| H05053-H05051 | 8 | 299 | 0.007 | 3.8 | 1,728.46 | 0.44 | 471 | 469 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 754,861.39 | 3.89 |
| B01018-B01016 | 8 | 269 | 0.02 | 1.2 | 285.02 | 0.48 | 688.27 | 682.85 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,307,692.31 | 6.74 |
| G04005-G04003 | 8 | 301 | 0.007 | 4 | 1,761.36 | 0.45 | 482 | 480 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 752,349.36 | 3.88 |
| C02133-C02132 | 8 | 102 | 0.02 | 1.2 | 285.02 | 0.48 | 674.69 | 672.64 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,308,472.66 | 6.75 |
| G12109-H12067 | 8 | 341 | 0.003 | 7.1 | 1,476.80 | 0.45 | 376 | 375 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 499,816.53 | 2.58 |
| E11137-E11135 | 8 | 248 | 0.004 | 4.3 | 1,552.53 | 0.44 | 428 | 427 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 586,086.84 | 3.02 |
| C01019-C01017 | 8 | 99.5 | 0.003 | 6 | 3,781.66 | 0.43 | 639.68 | 639.34 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 538,179.64 | 2.78 |
| D08079-D08077 | 8 | 276 | 0.018 | 1.6 | 172.4 | 0.43 | 499 | 494 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,242,276.50 | 6.41 |
| E13097-E13093 | 8 | 243 | 0.003 | 10.2 | 2,772.79 | 0.44 | 427 | 426.32 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 488,246.49 | 2.52 |
| K14009-K14007 | 8 | 244 | 0.004 | 4.8 | 1,274.04 | 0.44 | 329 | 328 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 590,871.30 | 3.05 |
| G05131-G05129 | 8 | 239 | 0.004 | 4 | 1,245.24 | 0.44 | 491 | 490 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 597,019.97 | 3.08 |
| G13069-G13067 | 8 | 336 | 0.003 | 4.2 | 1,476.80 | 0.45 | 388 | 387 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 503,521.67 | 2.60 |
| F15143-F15131 | 8 | 242 | 0.004 | 6.3 | 1,550.53 | 0.44 | 452 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 593,307.89 | 3.06 |
| H04037-H04035 | 8 | 307 | 0.007 | 5.4 | 1,924.51 | 0.46 | 474 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 744,961.14 | 3.84 |
| K14075-K14073 | 8 | 288 | 0.007 | 3.2 | 766.2 | 0.45 | 332 | 330 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 769,142.06 | 3.97 |
| E03185-E03183 | 8 | 209 | 0.005 | 3.6 | 1,503.91 | 0.45 | 561 | 560 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 638,432.03 | 3.29 |
| G04041-G04039 | 8 | 263 | 0.015 | 2.1 | 533.02 | 0.45 | 483 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,138,255.95 | 5.87 |
| F14015-F14013 | 8 | 378 | 0.005 | 2.6 | 817.3 | 0.43 | 445 | 443 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 671,362.23 | 3.46 |
| F03077-F04021 | 8 | 298 | 0.003 | 4.3 | 1,844.44 | 0.44 | 512 | 511 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 534,662.44 | 2.76 |
| H04011-H04009 | 8 | 302 | 0.007 | 3.7 | 1,740.13 | 0.44 | 476 | 474 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 751,102.72 | 3.87 |
| K13029-K13027 | 8 | 230 | 0.004 | 4.3 | 1,226.38 | 0.45 | 337 | 336 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 608,588.71 | 3.14 |
| C07003-C07001 | 8 | 88 | 0.011 | 1.7 | 429.84 | 0.45 | 519 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 983,889.83 | 5.07 |
| F13121-E13097 | 8 | 244 | 0.004 | 4.8 | 1,849.87 | 0.45 | 428 | 427 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 590,871.30 | 3.05 |
| J11059-J11057 | 8 | 229 | 0.008 | 2.9 | 765.48 | 0.45 | 375 | 373.22 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 813,729.51 | 4.20 |
| F06131-F06129 | 8 | 179 | 0.003 | 10.1 | 2,501.89 | 0.45 | 488 | 487.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 487,805.05 | 2.52 |
| G15023-G15011 | 8 | 281 | 0.007 | 4.2 | 613.18 | 0.45 | 444 | 442 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 778,663.19 | 4.02 |
| C01017-C02118 | 8 | 293 | 0.003 | 6.3 | 3,776.61 | 0.43 | 639.34 | 638.63 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 544,505.03 | 2.81 |
| G03003-G03001 | 8 | 389 | 0.005 | 6.7 | 2,541.35 | 0.45 | 493 | 491 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 661,801.89 | 3.41 |
| K13019-K13017 | 8 | 240 | 0.004 | 4.1 | 1,489.10 | 0.45 | 332 | 331 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 595,774.88 | 3.07 |
| C07065-C07063 | 8 | 191 | 0.005 | 3 | 945.26 | 0.45 | 525 | 524 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 667,838.00 | 3.44 |
| E03183-E03181 | 8 | 188 | 0.005 | 3.5 | 1,488.28 | 0.43 | 560 | 559 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 673,145.40 | 3.47 |
| H05073-H05071 | 8 | 297 | 0.007 | 2.5 | 847.16 | 0.46 | 455 | 453 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 757,398.74 | 3.91 |
| E05069-E05067 | 8 | 171 | 0.006 | 5.6 | 1,020.21 | 0.44 | 525 | 524 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 705,813.16 | 3.64 |
| E03143-E03083 | 8 | 240 | 0.004 | 11.2 | 2,429.33 | 0.45 | 556 | 555 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 595,774.88 | 3.07 |
| E13091-E13089 | 8 | 249 | 0.002 | 8 | 4,017.04 | 0.44 | 431 | 430.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 413,592.96 | 2.13 |
| H05059-H05057 | 8 | 368 | 0.005 | 3.2 | 975.67 | 0.43 | 454.5 | 452.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 680,422.86 | 3.51 |
| D11085-D11083 | 8 | 63 | 0.016 | 2.7 | 380.25 | 0.49 | 449 | 448 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,162,833.49 | 6.00 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| F11039-F11037 | 8 | 312 | 0.003 | 5.3 | 2,173.54 | 0.46 | 405 | 404 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 522,529.13 | 2.69 |
| E18027-E18023 | 8 | 196 | 0.005 | 3.6 | 1,242.02 | 0.46 | 536 | 535 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 659,264.62 | 3.40 |
| F04079-F04077 | 8 | 96 | 0.002 | 5.9 | 3,048.77 | 0.45 | 523.08 | 522.85 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 451,768.67 | 2.33 |
| F03047-F03045 | 8 | 360 | 0.006 | 4.4 | 933.93 | 0.43 | 528 | 526 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 687,941.57 | 3.55 |
| G13015-G13013 | 8 | 198 | 0.005 | 2.9 | 843.88 | 0.46 | 398 | 397 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,926.55 | 3.38 |
| F05121-F05119 | 8 | 329 | 0.003 | 6.8 | 2,049.68 | 0.45 | 493 | 492 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 508,850.09 | 2.62 |
| J11135-J11089 | 8 | 330 | 0.003 | 10.1 | 2,618.12 | 0.45 | 372 | 371 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 508,078.52 | 2.62 |
| J11081-J11079 | 8 | 359 | 0.006 | 12.1 | 1,148.22 | 0.44 | 368 | 366 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 688,899.04 | 3.55 |
| G09155-G09125 | 8 | 291 | 0.007 | 7.8 | 1,099.12 | 0.47 | 415 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 765,167.14 | 3.95 |
| H05061-H05059 | 8 | 249 | 0.012 | 2.2 | 429.23 | 0.45 | 457.5 | 454.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,013,091.71 | 5.22 |
| E11069-E11067 | 10 | 328 | 0.003 | 4.4 | 2,784.14 | 0.45 | 409 | 408 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 924,011.95 | 2.86 |
| F13015-F13013 | 8 | 223 | 0.009 | 3.3 | 421.94 | 0.43 | 402 | 400 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 874,078.37 | 4.51 |
| C02082-C02080 | 8 | 221.5 | 0.004 | 4.7 | 2,538.22 | 0.45 | 652.13 | 651.25 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 598,902.33 | 3.09 |
| G07077-G07075 | 8 | 221 | 0.005 | 4.4 | 1,245.24 | 0.46 | 459 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 620,857.13 | 3.20 |
| H12079-H12077 | 8 | 349 | 0.003 | 6.2 | 2,861.24 | 0.46 | 365 | 364 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 494,054.77 | 2.55 |
| D12007-D12005 | 8 | 193 | 0.012 | 2.8 | 537.9 | 0.46 | 428 | 425.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,007,564.99 | 5.20 |
| F02164-F02163 | 8 | 205 | 0.026 | 11 | 0 | 0 | 548.69 | 543.37 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,476,087.00 | 7.61 |
| G03009-G03003 | 8 | 431 | 0.005 | 4.7 | 2,628.22 | 0.46 | 495 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 628,729.98 | 3.24 |
| E13057-E13055 | 8 | 227 | 0.004 | 4.1 | 1,552.53 | 0.46 | 422 | 421 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 612,597.02 | 3.16 |
| E18025-E18023 | 8 | 190 | 0.005 | 3.6 | 1,242.02 | 0.46 | 536 | 535 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 669,593.16 | 3.45 |
| H04019-H04013 | 8 | 186 | 0.002 | 14.2 | 12,428.81 | 0.45 | 474 | 473.68 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 382,830.32 | 1.97 |
| G04123-G04121 | 8 | 349 | 0.006 | 3.7 | 933.93 | 0.44 | 501 | 499 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 698,698.95 | 3.60 |
| F16061-F16059 | 8 | 223 | 0.004 | 4.2 | 1,551.17 | 0.46 | 491 | 490 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 618,066.74 | 3.19 |
| B01054-B01052 | 8 | 224 | 0.021 | 1.4 | 283.83 | 0.44 | 687.72 | 683.15 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,327,240.94 | 6.85 |
| F05149-F05147 | 8 | 174 | 0.006 | 3 | 933.93 | 0.44 | 505 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 699,702.11 | 3.61 |
| E06139-F06087 | 8 | 233 | 0.005 | 4.3 | 1,424.72 | 0.46 | 499.97 | 498.87 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 634,170.72 | 3.27 |
| J11097-J11095 | 8 | 127 | 0.016 | 2.3 | 413.13 | 0.44 | 376 | 374 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,158,246.36 | 5.97 |
| H09015-G09129 | 8 | 339 | 0.003 | 7.2 | 2,792.70 | 0.46 | 419 | 418 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 501,288.75 | 2.59 |
| G05057-G05003 | 8 | 254 | 0.008 | 7.8 | 1,708.21 | 0.46 | 470 | 468 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 819,003.86 | 4.22 |
| F13025-F13019 | 8 | 217 | 0.009 | 3.2 | 421.94 | 0.43 | 405 | 403 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 886,080.01 | 4.57 |
| H11011-H12081 | 8 | 321 | 0.003 | 5.9 | 2,485.26 | 0.46 | 365 | 364 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 515,151.88 | 2.66 |
| F06089-F06077 | 8 | 160 | 0.005 | 10.9 | 1,424.72 | 0.46 | 490.89 | 490.13 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 636,113.50 | 3.28 |
| E13117-E13115 | 8 | 186 | 0.005 | 4 | 1,242.02 | 0.46 | 417 | 416 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 676,754.78 | 3.49 |
| G15019-G15017 | 8 | 143 | 0.021 | 2.9 | 210.97 | 0.5 | 452 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,336,843.03 | 6.89 |
| E03189-E03187 | 8 | 64 | 0.008 | 2.8 | 999.41 | 0.46 | 562.5 | 562 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 815,798.35 | 4.21 |
| F06161-F06159 | 8 | 275 | 0.004 | 5.5 | 1,899.63 | 0.45 | 490 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 556,572.14 | 2.87 |
| F15001-G15015 | 8 | 308 | 0.004 | 4.1 | 1,789.11 | 0.45 | 448.16 | 447 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 566,423.74 | 2.92 |
| E17019-E17017 | 8 | 268 | 0.007 | 3.5 | 951.36 | 0.47 | 505 | 503 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 797,325.05 | 4.11 |
| G04077-G04075 | 8 | 338 | 0.006 | 4.6 | 2,107.13 | 0.44 | 478 | 476 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 709,977.29 | 3.66 |
| F08149-F08147 | 8 | 270 | 0.004 | 5 | 1,899.63 | 0.46 | 452 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 561,701.94 | 2.90 |
| H06039-H06037 | 8 | 206 | 0.009 | 2.2 | 572.31 | 0.44 | 453.27 | 451.4 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 879,376.79 | 4.54 |
| C07005-C07003 | 8 | 221 | 0.014 | 1.5 | 344.8 | 0.46 | 522 | 519 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,075,356.09 | 5.55 |
| H06033-H06031 | 8 | 422 | 0.004 | 4.3 | 1,945.60 | 0.46 | 447.77 | 446.2 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 562,965.02 | 2.90 |
| H13063-H13061 | 8 | 264 | 0.004 | 3.6 | 1,265.83 | 0.46 | 372 | 371 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 568,049.06 | 2.93 |
| G10079-H10039 | 12 | 663 | 0.002 | 9.5 | 5,978.63 | 0.46 | 389 | 388 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,056,836.33 | 2.04 |
| F14009-F14007 | 8 | 53 | 0.004 | 4.2 | 1,814.50 | 0.46 | 438.44 | 438.24 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 566,976.25 | 2.92 |
| F15003-F15001 | 8 | 84 | 0.004 | 4.1 | 1,798.40 | 0.46 | 448.48 | 448.16 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 569,669.74 | 2.94 |
| E16075-E16073 | 8 | 102 | 0.01 | 2.4 | 621.01 | 0.44 | 489 | 488 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 913,876.95 | 4.71 |
| E08099-E08097 | 8 | 262 | 0.004 | 4.8 | 1,895.92 | 0.46 | 465 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 570,213.06 | 2.94 |
| E02072-E02070 | 8 | 341.1 | 0.004 | 5.5 | 1,864.00 | 0.46 | 561.69 | 560.47 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 552,065.40 | 2.85 |
| F04051-F04049 | 8 | 326 | 0.006 | 3.4 | 933.93 | 0.45 | 514 | 512 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 722,926.27 | 3.73 |
| G05019-G05017 | 8 | 314 | 0.006 | 4.4 | 2,360.81 | 0.46 | 485 | 483 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 736,610.63 | 3.80 |
| E06131-E06129 | 8 | 131 | 0.004 | 5.1 | 1,899.63 | 0.46 | 497 | 496.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 570,213.06 | 2.94 |
| H05067-H05065 | 8 | 402 | 0.005 | 3.6 | 1,263.51 | 0.47 | 449 | 447 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 651,013.18 | 3.36 |
| C07085-C07083 | 8 | 57 | 0.035 | 1 | 86.2 | 0.38 | 530 | 528 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,728,882.10 | 8.92 |
| F15079-F15077 | 8 | 175 | 0.006 | 4.9 | 1,242.02 | 0.48 | 471 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 697,700.10 | 3.60 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| C02130-C02128 | 8 | 300 | 0.023 | 1.2 | 283.38 | 0.46 | 667.91 | 661.11 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,387,263.68 | 7.15 |
| F13003-F13001 | 8 | 222 | 0.008 | 2.2 | 619.42 | 0.47 | 399 | 397.3 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 807,673.40 | 4.17 |
| C07043-C07039 | 8 | 204 | 0.01 | 1.9 | 515.73 | 0.45 | 529 | 527 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 913,876.95 | 4.71 |
| J12077-J12075 | 21 | 117 | 0.001 | 35.2 | 15,917.82 | 0.47 | 357.81 | 357.68 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 4,034,081.86 | 2.60 |
| D19007-D19005 | 8 | 300 | 0.012 | 2.2 | 621.01 | 0.49 | 551.11 | 547.46 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,018,060.56 | 5.25 |
| C04015-C04013 | 8 | 251 | 0.008 | 2.4 | 855.06 | 0.48 | 635 | 633 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 823,883.76 | 4.25 |
| E14121-E14119 | 8 | 80 | 0.01 | 2.4 | 621.01 | 0.45 | 435 | 434.19 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 928,721.12 | 4.79 |
| F08045-F08043 | 8 | 292 | 0.003 | 5 | 1,678.99 | 0.48 | 435 | 434 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 540,127.61 | 2.79 |
| F09063-G09007 | 8 | 312 | 0.006 | 2.7 | 859.77 | 0.47 | 415 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 738,967.79 | 3.81 |
| G08107-G08105 | 8 | 46 | 0.002 | 9.5 | 6,820.15 | 0.47 | 426.71 | 426.64 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 360,045.93 | 1.86 |
| D13011-D13009 | 8 | 163 | 0.008 | 4.2 | 823.43 | 0.48 | 427 | 425.62 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 849,246.07 | 4.38 |
| J11129-J11127 | 8 | 208 | 0.005 | 5.6 | 1,652.59 | 0.48 | 380 | 379 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 639,964.88 | 3.30 |
| G10069-G10067 | 8 | 337 | 0.008 | 4.1 | 835.01 | 0.48 | 399 | 396.25 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 833,756.44 | 4.30 |
| G14061-G14059 | 8 | 196 | 0.005 | 11.2 | 1,029.13 | 0.48 | 404 | 403 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 659,264.62 | 3.40 |
| F15027-F15013 | 8 | 87 | 0.004 | 5.4 | 1,610.57 | 0.47 | 453.12 | 452.78 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,989.14 | 2.98 |
| C07001-D07025 | 8 | 197 | 0.01 | 2.3 | 515.46 | 0.45 | 518 | 516 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 929,971.61 | 4.80 |
| E08081-E08079 | 12 | 328 | 0.003 | 3.9 | 3,230.49 | 0.48 | 461 | 460 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,502,545.31 | 2.91 |
| G07075-G07073 | 8 | 374 | 0.003 | 5.8 | 2,782.63 | 0.47 | 458 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 477,256.67 | 2.46 |
| J11057-H11163 | 8 | 226 | 0.005 | 3.5 | 1,526.40 | 0.48 | 373.22 | 372 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 678,130.85 | 3.50 |
| C01044-C01042 | 8 | 300 | 0.008 | 2.7 | 1,089.09 | 0.48 | 643.94 | 641.42 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 844,510.06 | 4.36 |
| H11109-H11107 | 8 | 123 | 0.008 | 3.2 | 954.44 | 0.48 | 372 | 371 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 832,214.45 | 4.29 |
| J11071-J12067 | 8 | 224 | 0.004 | 4.3 | 1,913.70 | 0.48 | 370 | 369 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 616,685.59 | 3.18 |
| F13085-F13083 | 8 | 319 | 0.004 | 5.5 | 2,160.84 | 0.47 | 422.86 | 421.59 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 582,363.74 | 3.00 |
| H05051-H05049 | 8 | 298 | 0.007 | 12.6 | 2,218.93 | 0.47 | 469 | 467 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 756,126.87 | 3.90 |
| G04023-G04021 | 8 | 300 | 0.01 | 3.4 | 1,234.49 | 0.45 | 486 | 483 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 922,970.47 | 4.76 |
| H06035-H06033 | 8 | 400 | 0.004 | 4 | 1,660.19 | 0.48 | 449.54 | 447.77 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 613,966.17 | 3.17 |
| G12045-G12043 | 8 | 219 | 0.005 | 3.5 | 1,419.39 | 0.48 | 394 | 393 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 623,685.65 | 3.22 |
| G10015-G10013 | 10 | 265 | 0.002 | 6.2 | 5,405.34 | 0.47 | 410.5 | 410 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 726,903.19 | 2.25 |
| E10013-E10011 | 15 | 227 | 0.002 | 3.1 | 3,922.03 | 0.48 | 419 | 418.5 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,315,598.57 | 2.99 |
| J08051-J08049 | 8 | 239 | 0.01 | 4.2 | 570.1 | 0.45 | 401.61 | 399.24 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 919,100.56 | 4.74 |
| C02057-C02055 | 8 | 154 | 0.013 | 2.3 | 570.04 | 0.49 | 648 | 646 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,051,822.47 | 5.42 |
| F15005-F15003 | 8 | 338 | 0.004 | 4 | 1,618.06 | 0.48 | 450 | 448.48 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 618,943.85 | 3.19 |
| E10009-E10007 | 18 | 336 | 0.003 | 21.1 | 3,902.91 | 0.47 | 418 | 417.06 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 4,243,610.12 | 3.65 |
| K13031-K14081 | 8 | 275 | 0.002 | 8.2 | 4,354.34 | 0.48 | 337.52 | 337 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 401,349.88 | 2.07 |
| F03187-F03185 | 8 | 277.1 | 0.003 | 6.2 | 2,455.24 | 0.48 | 532.43 | 531.52 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 529,015.77 | 2.73 |
| E11089-E11087 | 8 | 389 | 0.005 | 4.3 | 1,552.53 | 0.48 | 415 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 661,801.89 | 3.41 |
| J13005-J14125 | 8 | 280 | 0.002 | 8.5 | 4,713.30 | 0.48 | 337 | 336.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 390,026.21 | 2.01 |
| E05131-E05129 | 8 | 260 | 0.004 | 4.4 | 1,867.86 | 0.48 | 523 | 522 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 572,401.99 | 2.95 |
| E05139-E05137 | 8 | 260 | 0.004 | 4.7 | 1,867.86 | 0.48 | 518 | 517 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 572,401.99 | 2.95 |
| F08061-F08059 | 8 | 211 | 0.005 | 4.4 | 1,259.24 | 0.49 | 445 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 635,399.08 | 3.28 |
| C02103-C02101 | 8 | 165 | 0.02 | 2.2 | 821.33 | 0.46 | 666.98 | 663.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,301,315.96 | 6.71 |
| G07067-G07065 | 8 | 215 | 0.005 | 3.8 | 1,556.55 | 0.49 | 462 | 461 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 629,460.64 | 3.25 |
| F15141-F15135 | 8 | 192 | 0.005 | 4.8 | 1,552.53 | 0.49 | 458 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 666,096.56 | 3.44 |
| F06143-F06141 | 10 | 164 | 0.006 | 6.5 | 1,424.72 | 0.49 | 486 | 485 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,306,750.23 | 4.04 |
| F07049-F07045 | 8 | 268 | 0.004 | 5.7 | 2,361.18 | 0.49 | 466 | 465 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 563,793.95 | 2.91 |
| J11067-J12063 | 8 | 399 | 0.005 | 4.5 | 1,901.62 | 0.48 | 365 | 363 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 653,456.01 | 3.37 |
| L13157-L13155 | 8 | 200 | 0.01 | 100 | 629.78 | 0.46 | 328 | 326 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 922,970.47 | 4.76 |
| F14045-F14025 | 8 | 246 | 0.004 | 6 | 1,426.96 | 0.48 | 429 | 428 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 588,464.48 | 3.03 |
| F14007-G14037 | 8 | 330 | 0.004 | 4.3 | 2,013.14 | 0.48 | 438.24 | 437 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 565,772.30 | 2.92 |
| K13021-K13019 | 8 | 207 | 0.005 | 3.7 | 1,559.85 | 0.49 | 333 | 332 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 641,508.82 | 3.31 |
| D08073-D08069 | 8 | 248 | 0.006 | 5.6 | 1,182.17 | 0.49 | 486 | 484.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 717,806.85 | 3.70 |
| H05071-H06045 | 8 | 244 | 0.008 | 3.1 | 932.53 | 0.5 | 453 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 835,618.20 | 4.31 |
| F02003-F02001 | 8 | 115 | 0.005 | 4 | 1,557.08 | 0.49 | 533.37 | 532.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 649,794.92 | 3.35 |
| D16051-D16049 | 8 | 160 | 0.006 | 3.1 | 1,242.02 | 0.47 | 502 | 501 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 729,672.23 | 3.76 |
| G09005-G09003 | 8 | 91 | 0.005 | 4 | 1,286.04 | 0.49 | 412.5 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 684,151.23 | 3.53 |
| C02061-C02041 | 8 | 157 | 0.009 | 6.1 | 850.83 | 0.49 | 634.5 | 633.02 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 896,125.51 | 4.62 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|-------------------------------------|------------------------|----------------|-----------------------------|
| F12063-F12061 | 8 | 196 | 0.026 | 1.3 | 210.97 | 0.53 | 398 | 393 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,474,160.51 | 7.60 |
| J06043-J06039 | 8 | 254 | 0.009 | 2.2 | 723.4 | 0.49 | 437.95 | 435.58 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 891,548.80 | 4.60 |
| C02090-C02082 | 8 | 138.3 | 0.023 | 2.9 | 284.35 | 0.47 | 655.32 | 652.13 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,393,218.17 | 7.19 |
| E13005-E13003 | 8 | 305 | 0.013 | 6.4 | 621.01 | 0.5 | 424 | 420 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,056,982.71 | 5.45 |
| G15005-G15003 | 8 | 186 | 0.011 | 1.9 | 421.94 | 0.46 | 437 | 435 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 957,075.80 | 4.94 |
| J11111-J11109 | 8 | 213 | 0.004 | 4.5 | 2,277.94 | 0.49 | 377 | 376.12 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 593,252.18 | 3.06 |
| F06009-F06007 | 8 | 258 | 0.016 | 4.2 | 474.91 | 0.48 | 476 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,149,232.63 | 5.93 |
| E08013-E08011 | 8 | 254 | 0.016 | 2 | 344.8 | 0.48 | 463 | 459 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,158,246.36 | 5.97 |
| J13007-J13005 | 8 | 304 | 0.003 | 6.3 | 2,419.71 | 0.49 | 338 | 337 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 529,359.87 | 2.73 |
| E02097-F02175 | 8 | 282 | 0.009 | 1.5 | 311.31 | 0.37 | 554.38 | 551.77 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 884,807.69 | 4.56 |
| F08153-F08151 | 8 | 270 | 0.004 | 5.4 | 2,374.54 | 0.5 | 451 | 450 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 561,701.94 | 2.90 |
| H04009-H04007 | 8 | 282 | 0.007 | 9.5 | 2,230.49 | 0.48 | 474 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 777,281.36 | 4.01 |
| F06027-F06025 | 8 | 238 | 0.008 | 3.2 | 1,354.16 | 0.5 | 472 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 846,085.64 | 4.36 |
| F03015-G03053 | 8 | 356 | 0.006 | 3.9 | 1,245.24 | 0.49 | 516 | 514 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 691,795.62 | 3.57 |
| G09143-G09141 | 6 | 248 | 0.012 | 7.5 | 530.4 | 0.49 | 423 | 420 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 471,359.90 | 3.65 |
| F02001-F03149 | 8 | 176 | 0.004 | 4.5 | 2,169.36 | 0.48 | 532.8 | 532.12 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 573,701.43 | 2.96 |
| C01050-C01048 | 8 | 300 | 0.015 | 1.8 | 568.59 | 0.48 | 659.34 | 654.93 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,117,181.81 | 5.76 |
| H11083-H11081 | 8 | 200 | 0.005 | 3.8 | 1,232.96 | 0.49 | 384 | 383 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 652,638.68 | 3.37 |
| G04021-G04011 | 8 | 298 | 0.007 | 5.1 | 2,273.19 | 0.47 | 483 | 481 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 756,126.87 | 3.90 |
| F10043-F10041 | 8 | 331 | 0.009 | 2.4 | 687.73 | 0.5 | 415 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 878,687.48 | 4.53 |
| F03031-F03029 | 8 | 352 | 0.006 | 4.2 | 1,245.24 | 0.5 | 524 | 522 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 695,715.17 | 3.59 |
| J11159-J11085 | 8 | 583 | 0.009 | 10.1 | 956.85 | 0.5 | 373 | 368 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 854,748.86 | 4.41 |
| G05149-G05147 | 8 | 116 | 0.009 | 2.5 | 777.06 | 0.5 | 491 | 490 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 856,956.57 | 4.42 |
| E11017-E11015 | 8 | 401 | 0.005 | 5 | 1,259.24 | 0.5 | 424 | 422 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 651,824.41 | 3.36 |
| G12059-G12057 | 8 | 323 | 0.003 | 4.7 | 2,040.84 | 0.49 | 384 | 383 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 513,554.51 | 2.65 |
| G12031-G12029 | 8 | 239 | 0.008 | 3 | 632.91 | 0.49 | 386 | 384 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 844,313.74 | 4.35 |
| D03127-D03125 | 8 | 357 | 0.008 | 3.3 | 1,023.72 | 0.51 | 587 | 584 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 846,085.64 | 4.36 |
| D03119-D03117 | 6 | 428 | 0.005 | 5.2 | 1,535.58 | 0.48 | 583 | 581 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 292,961.77 | 2.27 |
| F16063-F16061 | 8 | 89 | 0.011 | 2.8 | 621.01 | 0.47 | 492 | 491 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 978,346.74 | 5.05 |
| E02029-E02027 | 8 | 238 | 0.006 | 0 | 0 | 0 | 589.51 | 588.03 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 727,830.39 | 3.75 |
| G12029-G12027 | 8 | 264 | 0.004 | 4.5 | 1,652.99 | 0.5 | 384 | 383 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 568,049.06 | 2.93 |
| F05139-F05137 | 8 | 196 | 0.01 | 3 | 622.62 | 0.47 | 503 | 501 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 932,340.97 | 4.81 |
| E17005-E17003 | 8 | 294 | 0.003 | 6.3 | 2,807.48 | 0.5 | 525 | 524 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 538,287.31 | 2.78 |
| C01009-C01007 | 8 | 147 | 0.007 | 3.3 | 1,140.08 | 0.48 | 635 | 634 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 761,253.22 | 3.93 |
| C07061-C07059 | 8 | 411 | 0.005 | 3.7 | 1,629.21 | 0.5 | 523 | 521 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 643,845.84 | 3.32 |
| F07009-F07007 | 8 | 331 | 0.006 | 3.8 | 1,416.92 | 0.5 | 455 | 453 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 717,445.32 | 3.70 |
| E11009-E11007 | 8 | 320 | 0.003 | 5.8 | 2,098.23 | 0.49 | 426 | 425 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 515,956.18 | 2.66 |
| D11079-D11077 | 8 | 303 | 0.007 | 4.3 | 1,234.25 | 0.48 | 446 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 749,862.25 | 3.87 |
| F01009-F01021 | 8 | 172 | 0.006 | 0 | 0 | 0 | 538.3 | 537.31 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 700,230.75 | 3.61 |
| E17027-E17025 | 8 | 251 | 0.004 | 4.7 | 2,475.22 | 0.49 | 508 | 507 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 582,573.80 | 3.00 |
| E02084-E02082 | 8 | 340 | 0.004 | 5.3 | 1,867.86 | 0.49 | 564.93 | 563.51 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 595,600.14 | 3.07 |
| F05025-F05023 | 8 | 346 | 0.006 | 27.1 | 1,245.24 | 0.5 | 497 | 495 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 701,721.46 | 3.62 |
| G14083-G14077 | 8 | 169 | 0.004 | 4.5 | 1,687.77 | 0.49 | 424.36 | 423.74 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 559,036.67 | 2.88 |
| F12001-G12045 | 8 | 217 | 0.006 | 3.2 | 1,017.46 | 0.5 | 395.37 | 394 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 733,361.70 | 3.78 |
| F15113-F15111 | 8 | 179 | 0.006 | 5.2 | 1,552.53 | 0.5 | 479 | 478 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 689,860.52 | 3.56 |
| F15009-F15007 | 8 | 331 | 0.006 | 2.9 | 1,021.82 | 0.5 | 455 | 453 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 717,445.32 | 3.70 |
| E07141-E07139 | 8 | 247 | 0.004 | 5.3 | 2,358.84 | 0.49 | 469 | 468 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,272.05 | 3.03 |
| C04067-C04065 | 8 | 219 | 0.009 | 3.7 | 855.06 | 0.5 | 668 | 666 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 882,024.70 | 4.55 |
| F12043-F12041 | 8 | 310 | 0.006 | 3.3 | 1,192.86 | 0.47 | 392 | 390 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 741,347.72 | 3.82 |
| E13115-E13111 | 8 | 253 | 0.004 | 4.9 | 2,478.02 | 0.49 | 416 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 580,266.56 | 2.99 |
| H11107-H11105 | 8 | 580 | 0.005 | 14.3 | 1,908.08 | 0.5 | 371 | 368 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 663,795.70 | 3.42 |
| E18029-E18023 | 8 | 249 | 0.004 | 4.7 | 2,476.91 | 0.49 | 536 | 535 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 584,908.77 | 3.02 |
| F04089-F04087 | 8 | 200 | 0.006 | 3.2 | 1,245.24 | 0.5 | 526.57 | 525.39 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 708,947.07 | 3.66 |
| D03079-D03071 | 8 | 139 | 0.014 | 4.2 | 570.04 | 0.5 | 615 | 613 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,107,121.81 | 5.71 |
| J11055-H11105 | 8 | 559 | 0.005 | 14.2 | 1,722.33 | 0.5 | 371 | 368 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 676,149.19 | 3.49 |
| F15127-F15095 | 6 | 189 | 0.005 | 20.4 | 1,552.53 | 0.5 | 458 | 457 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 311,735.99 | 2.41 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| D07031-D07029 | 8 | 104 | 0.01 | 2.1 | 687.44 | 0.51 | 500 | 499 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 905,047.01 | 4.67 |
| F08041-F08039 | 8 | 139 | 0.014 | 2.5 | 419.75 | 0.51 | 442 | 440 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,107,121.81 | 5.71 |
| G12111-H12063 | 8 | 401 | 0.005 | 9 | 1,265.83 | 0.51 | 373 | 371 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 651,824.41 | 3.36 |
| H06075-H06057 | 8 | 331 | 0.006 | 4.9 | 1,216.70 | 0.5 | 443 | 441 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 717,445.32 | 3.70 |
| G12107-H12065 | 8 | 399 | 0.005 | 8.7 | 1,265.83 | 0.51 | 374 | 372 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 653,456.01 | 3.37 |
| E18113-E18111 | 8 | 293 | 0.007 | 3.2 | 1,242.02 | 0.48 | 542 | 540 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 762,551.18 | 3.93 |
| G13009-G13007 | 8 | 198 | 0.005 | 3.3 | 1,265.83 | 0.51 | 396 | 395 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,926.55 | 3.38 |
| E06141-F06095 | 8 | 120 | 0.009 | 2.7 | 949.81 | 0.51 | 498.08 | 497.02 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 867,461.32 | 4.47 |
| E02068-E02066 | 8 | 283.7 | 0.006 | 3.7 | 1,255.44 | 0.51 | 564.1 | 562.4 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 715,350.77 | 3.69 |
| C02059-C02055 | 8 | 136 | 0.015 | 2.3 | 570.04 | 0.51 | 648 | 646 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,119,266.10 | 5.77 |
| C02101-C02088 | 8 | 300 | 0.012 | 2.6 | 1,089.69 | 0.48 | 663.7 | 660 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 990,914.43 | 5.11 |
| F16059-F16057 | 8 | 235 | 0.004 | 5.1 | 2,473.83 | 0.5 | 490 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 602,079.55 | 3.11 |
| E16091-E16089 | 8 | 271 | 0.004 | 5.2 | 2,787.82 | 0.5 | 505 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 560,664.63 | 2.89 |
| F18023-F18011 | 8 | 144 | 0.007 | 15.1 | 1,242.02 | 0.49 | 533 | 532 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 769,142.06 | 3.97 |
| G13013-G13011 | 8 | 187 | 0.005 | 4.2 | 1,224.23 | 0.51 | 397 | 396 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 674,942.85 | 3.48 |
| E03177-E03169 | 8 | 82 | 0.006 | 3.8 | 1,975.69 | 0.51 | 557 | 556.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 720,718.85 | 3.72 |
| E07123-E07121 | 8 | 281 | 0.004 | 5.5 | 2,849.44 | 0.51 | 482 | 481 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 550,598.02 | 2.84 |
| C07083-C07081 | 8 | 393 | 0.018 | 4.6 | 344.73 | 0.5 | 528 | 521 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,231,801.00 | 6.35 |
| D14031-D14029 | 8 | 143 | 0.007 | 5.4 | 1,242.02 | 0.49 | 451 | 450 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 771,826.68 | 3.98 |
| E11147-E11145 | 8 | 143 | 0.007 | 3.7 | 1,242.02 | 0.49 | 416 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 771,826.68 | 3.98 |
| F05095-F05093 | 8 | 382 | 0.005 | 4 | 1,556.55 | 0.51 | 521 | 519 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 667,838.00 | 3.44 |
| D18047-D18045 | 12 | 300 | 0.004 | 5 | 7,877.74 | 0.48 | 526.96 | 525.9 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,617,546.61 | 3.13 |
| H11081-H11079 | 8 | 274 | 0.004 | 4.5 | 2,070.47 | 0.5 | 383 | 382 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 557,586.85 | 2.88 |
| E14117-E13091 | 8 | 237 | 0.004 | 5.8 | 2,476.70 | 0.5 | 432 | 431 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 599,533.75 | 3.09 |
| F13127-F13125 | 8 | 198 | 0.005 | 5 | 2,163.10 | 0.51 | 413 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,926.55 | 3.38 |
| F16009-F16007 | 8 | 191 | 0.005 | 4.1 | 1,863.03 | 0.51 | 486 | 485 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 667,838.00 | 3.44 |
| H13015-H13013 | 8 | 212 | 0.004 | 9.3 | 1,637.01 | 0.5 | 371.45 | 370.56 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 598,018.86 | 3.08 |
| F15049-F15047 | 8 | 300 | 0.003 | 4.7 | 2,242.47 | 0.5 | 447 | 446 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 532,877.25 | 2.75 |
| C02031-C02029 | 8 | 183 | 0.005 | 4.7 | 2,805.52 | 0.5 | 650 | 649 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 682,279.41 | 3.52 |
| F04043-F04041 | 8 | 322 | 0.003 | 5.7 | 3,093.40 | 0.51 | 507 | 506 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 514,351.33 | 2.65 |
| E06123-E06121 | 8 | 240 | 0.004 | 4.8 | 2,374.54 | 0.5 | 505 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 595,774.88 | 3.07 |
| C02122-C02120 | 8 | 300 | 0.014 | 2.6 | 836.46 | 0.52 | 645.64 | 641.32 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,105,723.23 | 5.70 |
| G05135-G05133 | 8 | 181 | 0.011 | 2.6 | 622.62 | 0.48 | 493 | 491 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 970,205.02 | 5.00 |
| E02105-E02103 | 8 | 95 | 0.011 | 0 | 0 | 0 | 559.9 | 558.84 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 964,839.05 | 4.98 |
| G10049-G10047 | 8 | 170 | 0.006 | 3.2 | 1,129.92 | 0.51 | 405 | 404 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 707,886.04 | 3.65 |
| K13017-K14047 | 8 | 235 | 0.004 | 5.2 | 2,224.24 | 0.5 | 331 | 330 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 602,079.55 | 3.11 |
| E11077-E11075 | 8 | 281 | 0.007 | 7.4 | 1,242.02 | 0.49 | 412 | 410 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 778,663.19 | 4.02 |
| F04055-F04053 | 8 | 320 | 0.003 | 5.6 | 3,094.23 | 0.51 | 509 | 508 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 515,956.18 | 2.66 |
| E04153-E04151 | 8 | 391 | 0.008 | 2.8 | 933.93 | 0.5 | 542 | 539 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 808,462.83 | 4.17 |
| F02005-F02003 | 8 | 125 | 0.005 | 3.6 | 1,568.55 | 0.51 | 534.05 | 533.37 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 680,749.38 | 3.51 |
| K14011-K14007 | 8 | 158 | 0.006 | 4.7 | 1,226.38 | 0.51 | 329 | 328 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 734,275.88 | 3.79 |
| F15023-F15021 | 8 | 311 | 0.006 | 2.8 | 1,020.95 | 0.51 | 463 | 461 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 740,154.89 | 3.82 |
| F03045-F03043 | 8 | 362 | 0.003 | 6.9 | 3,400.83 | 0.51 | 526 | 525 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 485,102.51 | 2.50 |
| G10017-G09003 | 8 | 79 | 0.006 | 4 | 1,285.94 | 0.51 | 412.5 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 734,275.88 | 3.79 |
| J11133-J11131 | 8 | 126 | 0.004 | 5.1 | 2,766.74 | 0.51 | 379.4 | 378.92 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 569,669.74 | 2.94 |
| H11047-H11045 | 8 | 371 | 0.005 | 3.7 | 1,304.67 | 0.52 | 385 | 383 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 677,666.24 | 3.50 |
| C07063-C07061 | 8 | 161 | 0.006 | 3.4 | 1,287.26 | 0.51 | 524 | 523 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 727,402.63 | 3.75 |
| J12063-J12061 | 8 | 239 | 0.004 | 5.8 | 3,025.31 | 0.5 | 363 | 362 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 597,019.97 | 3.08 |
| C01042-C01019 | 8 | 153.6 | 0.011 | 4.2 | 1,078.02 | 0.48 | 641.42 | 639.68 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 981,074.69 | 5.06 |
| E13089-E13085 | 8 | 256 | 0.002 | 12.9 | 6,786.87 | 0.51 | 430.5 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 407,899.17 | 2.10 |
| E11087-E11081 | 10 | 248 | 0.004 | 4.5 | 3,089.90 | 0.51 | 413 | 412 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,062,646.14 | 3.29 |
| F16069-F16067 | 8 | 130 | 0.004 | 5.4 | 2,789.33 | 0.51 | 484.5 | 484 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 572,401.99 | 2.95 |
| F08145-F08143 | 8 | 270 | 0.004 | 5.6 | 2,849.44 | 0.52 | 453 | 452 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 561,701.94 | 2.90 |
| G08085-G08083 | 8 | 270 | 0.004 | 6 | 2,849.44 | 0.52 | 447 | 446 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 561,701.94 | 2.90 |
| G04049-G04047 | 8 | 300 | 0.007 | 4.8 | 2,785.41 | 0.52 | 488 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 753,602.23 | 3.89 |
| C02118-C02110 | 8 | 268.2 | 0.004 | 6.7 | 5,131.05 | 0.51 | 638.63 | 637.59 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 572,825.83 | 2.95 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| E05077-E05075 | 8 | 250 | 0.004 | 5.6 | 2,559.29 | 0.52 | 528 | 527 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 583,737.78 | 3.01 |
| E11101-E11099 | 8 | 137 | 0.007 | 3.4 | 1,242.02 | 0.5 | 416 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 788,546.89 | 4.07 |
| D07043-D07041 | 8 | 274 | 0.011 | 2.7 | 602.39 | 0.52 | 501 | 498 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 965,768.76 | 4.98 |
| J07163-J07161 | 8 | 121 | 0.006 | 3.5 | 1,302.79 | 0.52 | 417.41 | 416.66 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 726,650.80 | 3.75 |
| G04063-G03011 | 8 | 213 | 0.005 | 5.5 | 3,710.58 | 0.51 | 494 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 632,408.95 | 3.26 |
| H06017-H06015 | 8 | 349 | 0.006 | 3.5 | 1,508.11 | 0.52 | 445 | 443 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 698,698.95 | 3.60 |
| D07049-D07047 | 8 | 141 | 0.007 | 2.8 | 1,115.30 | 0.49 | 506 | 505 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 777,281.36 | 4.01 |
| E11005-E11003 | 8 | 291 | 0.003 | 5.3 | 2,098.74 | 0.51 | 421 | 420 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 541,054.87 | 2.79 |
| H05037-H05035 | 8 | 322 | 0.006 | 7.3 | 3,121.41 | 0.52 | 466 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 727,402.63 | 3.75 |
| G12101-G12099 | 8 | 331 | 0.009 | 3.3 | 815.81 | 0.51 | 375 | 372 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 878,687.48 | 4.53 |
| F13001-F12001 | 8 | 213 | 0.009 | 2.5 | 815.94 | 0.53 | 397.3 | 395.37 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 878,570.59 | 4.53 |
| F03190-F03189 | 8 | 300 | 0.011 | 2.6 | 622.62 | 0.49 | 540.24 | 536.79 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 988,130.05 | 5.10 |
| F05133-F05131 | 8 | 260 | 0.004 | 5.8 | 2,466.63 | 0.51 | 501 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 572,401.99 | 2.95 |
| G10081-G10079 | 12 | 692 | 0.003 | 4.5 | 3,340.35 | 0.52 | 391 | 389 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,462,939.78 | 2.83 |
| E13053-E13051 | 8 | 393 | 0.015 | 1.8 | 621.01 | 0.52 | 427 | 421 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,140,426.12 | 5.88 |
| G04003-G04001 | 8 | 296 | 0.007 | 6.6 | 2,785.82 | 0.52 | 480 | 478 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 758,677.05 | 3.91 |
| G07071-G07069 | 8 | 362 | 0.006 | 3.8 | 1,556.55 | 0.52 | 464 | 462 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 686,038.55 | 3.54 |
| F15013-G15021 | 8 | 338 | 0.002 | 7 | 4,325.11 | 0.52 | 452.78 | 452 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 443,380.67 | 2.29 |
| H06065-H07025 | 12 | 294 | 0.001 | 10.7 | 18,156.75 | 0.52 | 437 | 436.77 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 761,122.83 | 1.47 |
| G04051-G04049 | 8 | 300 | 0.01 | 3.8 | 1,755.06 | 0.52 | 491 | 488 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 922,970.47 | 4.76 |
| E14085-E14083 | 8 | 65 | 0.015 | 2.4 | 621.01 | 0.52 | 439 | 438 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,144,803.98 | 5.90 |
| H12077-J12047 | 8 | 360 | 0.003 | 8.2 | 4,745.25 | 0.52 | 364 | 363 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 486,448.15 | 2.51 |
| F13019-F13017 | 8 | 299 | 0.003 | 4.8 | 2,349.26 | 0.51 | 403 | 402 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 533,767.61 | 2.75 |
| G05043-G05041 | 8 | 346 | 0.006 | 5.4 | 3,739.26 | 0.52 | 475 | 473 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 701,721.46 | 3.62 |
| H05057-H05055 | 8 | 350 | 0.006 | 3.6 | 1,605.36 | 0.52 | 452.5 | 450.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 697,700.10 | 3.60 |
| C02120-C02118 | 8 | 300 | 0.009 | 4.8 | 1,398.70 | 0.53 | 641.32 | 638.63 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 873,983.67 | 4.51 |
| E07133-E07131 | 8 | 263 | 0.004 | 6.4 | 2,849.44 | 0.52 | 479 | 478 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 569,127.97 | 2.94 |
| B01012-B01010 | 8 | 176 | 0.035 | 2.4 | 280.58 | 0.53 | 676.57 | 670.41 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,721,834.99 | 8.88 |
| G05033-G05007 | 8 | 294 | 0.007 | 9.8 | 2,791.08 | 0.52 | 474 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 761,253.22 | 3.93 |
| F05123-F05121 | 8 | 170 | 0.006 | 4 | 1,441.97 | 0.52 | 494 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 707,886.04 | 3.65 |
| D13053-D13051 | 8 | 110 | 0.009 | 10.5 | 1,287.95 | 0.53 | 424 | 423 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 880,017.82 | 4.54 |
| H13009-H13007 | 8 | 196 | 0.005 | 10.5 | 1,634.49 | 0.52 | 370.52 | 369.63 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 621,949.00 | 3.21 |
| F15015-G15013 | 8 | 312 | 0.006 | 4.8 | 1,780.53 | 0.52 | 447 | 445 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 738,967.79 | 3.81 |
| C03039-C03037 | 8 | 212 | 0.024 | 2 | 285.02 | 0.5 | 695 | 690 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,417,440.64 | 7.31 |
| G14033-G14031 | 8 | 248 | 0.008 | 4.9 | 817.56 | 0.51 | 434 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 828,851.95 | 4.27 |
| H11023-H11021 | 8 | 221 | 0.005 | 4.1 | 1,678.99 | 0.52 | 371 | 370 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 620,857.13 | 3.20 |
| C06101-C06099 | 8 | 155 | 0.019 | 2.1 | 344.8 | 0.51 | 649 | 646 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,284,051.92 | 6.62 |
| F04001-G04097 | 8 | 355 | 0.006 | 3.8 | 1,556.55 | 0.52 | 509 | 507 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 692,769.29 | 3.57 |
| J07095-J07093 | 8 | 161 | 0.019 | 1.8 | 407.95 | 0.51 | 419.43 | 416.39 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,268,269.83 | 6.54 |
| D06083-D06081 | 8 | 250 | 0.004 | 4.8 | 2,409.83 | 0.52 | 552 | 551 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 583,737.78 | 3.01 |
| G07035-G07033 | 8 | 180 | 0.006 | 4.8 | 1,899.63 | 0.53 | 451 | 450 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 687,941.57 | 3.55 |
| D03053-D03051 | 8 | 303 | 0.003 | 5.8 | 3,416.56 | 0.52 | 623 | 622 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 530,232.68 | 2.73 |
| F08077-F08075 | 8 | 249 | 0.002 | 7.3 | 4,190.33 | 0.52 | 437 | 436.44 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 437,705.64 | 2.26 |
| F03061-F04013 | 8 | 308 | 0.003 | 5.7 | 3,085.27 | 0.52 | 523 | 522 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 525,911.24 | 2.71 |
| G04137-G04135 | 8 | 325 | 0.003 | 5.8 | 3,394.65 | 0.53 | 501 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 511,971.90 | 2.64 |
| G07053-G07051 | 8 | 303 | 0.003 | 8.2 | 3,078.62 | 0.52 | 455 | 454 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 530,232.68 | 2.73 |
| E12099-E12097 | 8 | 176 | 0.006 | 4.5 | 1,863.03 | 0.53 | 408 | 407 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 695,715.17 | 3.59 |
| F14039-F14037 | 8 | 64 | 0.016 | 2.3 | 421.94 | 0.53 | 442 | 441 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,153,713.09 | 5.95 |
| H12081-J12047 | 8 | 350 | 0.003 | 8.1 | 4,569.06 | 0.52 | 364 | 363 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 493,348.47 | 2.54 |
| C02110-C02045 | 8 | 198.9 | 0.004 | 6.7 | 5,392.97 | 0.52 | 637.59 | 636.9 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 598,674.04 | 3.09 |
| G09001-G10015 | 10 | 202 | 0.002 | 5.9 | 5,075.18 | 0.52 | 411 | 410.5 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 832,575.88 | 2.58 |
| F13027-F13017 | 8 | 132 | 0.008 | 3.5 | 843.88 | 0.5 | 403 | 402 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 803,342.68 | 4.14 |
| C02017-C02015 | 8 | 294 | 0.007 | 8.6 | 1,425.10 | 0.53 | 636 | 634 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 761,253.22 | 3.93 |
| G07013-G07011 | 8 | 257 | 0.004 | 5.7 | 2,849.44 | 0.52 | 456 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 575,733.16 | 2.97 |
| J12081-J12079 | 12 | 276 | 0.002 | 5.5 | 6,765.61 | 0.52 | 360.44 | 359.76 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,350,717.15 | 2.61 |
| K14081-K14079 | 8 | 287 | 0.002 | 9.4 | 6,542.10 | 0.52 | 337 | 336.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 385,240.43 | 1.99 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| H11165-H11113 | 8 | 588 | 0.007 | 12.3 | 1,530.96 | 0.53 | 373 | 369 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 761,253.22 | 3.93 |
| D13009-D13007 | 8 | 182 | 0.003 | 6 | 3,833.72 | 0.52 | 425.62 | 425 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 538,701.22 | 2.78 |
| G05129-G05127 | 8 | 249 | 0.004 | 5.2 | 2,469.12 | 0.52 | 490 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 584,908.77 | 3.02 |
| L14007-L14005 | 8 | 300 | 0.003 | 6.1 | 2,861.54 | 0.52 | 323 | 322 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 532,877.25 | 2.75 |
| E04135-E04133 | 8 | 346 | 0.006 | 4.1 | 1,556.55 | 0.53 | 539 | 537 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 701,721.46 | 3.62 |
| F04029-F04027 | 12 | 352 | 0.009 | 2.1 | 1,245.24 | 0.53 | 518 | 515 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,512,197.58 | 4.86 |
| B01050-B01031 | 8 | 0 | 0.025 | 1.9 | 560.7 | 0.58 | 682.12 | 675.45 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,450,670.71 | 7.48 |
| D16085-D16083 | 8 | 150 | 0.007 | 7.1 | 1,552.53 | 0.53 | 482 | 481 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 753,602.23 | 3.89 |
| H11149-H11147 | 8 | 211 | 0.005 | 4.5 | 1,678.99 | 0.52 | 384 | 383 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 635,399.08 | 3.28 |
| G04125-G04119 | 8 | 164 | 0.012 | 4.2 | 622.62 | 0.5 | 499 | 497 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,019,250.38 | 5.26 |
| E11157-E11155 | 8 | 94 | 0.011 | 3.5 | 949.92 | 0.53 | 406 | 405 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 951,971.35 | 4.91 |
| G10019-G10017 | 8 | 69 | 0.007 | 3 | 1,200.83 | 0.53 | 413 | 412.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 785,684.64 | 4.05 |
| F02007-F02005 | 8 | 117 | 0.006 | 3.5 | 1,579.63 | 0.53 | 534.73 | 534.05 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 703,638.08 | 3.63 |
| F14033-F14031 | 8 | 267 | 0.008 | 3.4 | 817.21 | 0.52 | 437.84 | 435.61 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 843,499.07 | 4.35 |
| E03097-E03095 | 8 | 149 | 0.007 | 3.8 | 1,535.58 | 0.53 | 568 | 567 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 756,126.87 | 3.90 |
| E12069-E12067 | 8 | 225 | 0.002 | 13.6 | 6,184.48 | 0.53 | 414 | 413.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 435,092.45 | 2.24 |
| H13079-H13077 | 10 | 17 | 0.001 | 8.6 | 8,761.13 | 0.53 | 383.02 | 383 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 573,990.95 | 1.78 |
| F05137-F05131 | 8 | 202 | 0.005 | 5.4 | 1,860.03 | 0.52 | 501 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 649,399.76 | 3.35 |
| F03069-F04017 | 8 | 294 | 0.003 | 5.6 | 3,084.06 | 0.53 | 518 | 517 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 538,287.31 | 2.78 |
| G05023-G05021 | 8 | 303 | 0.01 | 3.5 | 1,932.34 | 0.53 | 482 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 918,389.95 | 4.74 |
| D07153-D07151 | 8 | 221 | 0.005 | 5.3 | 2,245.92 | 0.52 | 475 | 474 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 620,857.13 | 3.20 |
| C01038-C01036 | 8 | 300 | 0.006 | 4.1 | 2,244.92 | 0.53 | 668.63 | 666.74 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 731,367.17 | 3.77 |
| G09009-G09001 | 8 | 215 | 0.005 | 5.6 | 2,176.29 | 0.52 | 412 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 629,460.64 | 3.25 |
| E03133-E03101 | 8 | 147 | 0.007 | 10 | 1,535.58 | 0.54 | 567 | 566 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 761,253.22 | 3.93 |
| H13075-H13073 | 10 | 337 | 0.012 | 4.6 | 632.91 | 0.53 | 380 | 376 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,823,180.02 | 5.64 |
| E13119-E12137 | 8 | 206 | 0.005 | 5 | 2,478.19 | 0.53 | 412 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 643,064.00 | 3.32 |
| E13037-D13061 | 8 | 198 | 0.005 | 9 | 2,195.89 | 0.52 | 427 | 426 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,926.55 | 3.38 |
| G09135-G09131 | 8 | 402 | 0.005 | 5.5 | 2,319.30 | 0.52 | 423 | 421 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 651,013.18 | 3.36 |
| F15087-F15073 | 8 | 124 | 0.008 | 5.1 | 1,242.02 | 0.53 | 465 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 828,851.95 | 4.27 |
| F05141-F05129 | 8 | 188 | 0.002 | 9.4 | 7,276.49 | 0.53 | 499.35 | 499 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 398,238.19 | 2.05 |
| G05137-G05093 | 8 | 343 | 0.006 | 15.3 | 1,640.43 | 0.54 | 483 | 481 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 704,783.53 | 3.63 |
| E07153-E07151 | 8 | 275 | 0.007 | 4.9 | 1,424.72 | 0.54 | 473 | 471 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 787,111.86 | 4.06 |
| B01016-B01014 | 8 | 164 | 0.033 | 1.3 | 284.22 | 0.54 | 682.85 | 677.46 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,673,247.81 | 8.63 |
| E11001-E10051 | 8 | 322 | 0.006 | 17.9 | 1,250.33 | 0.54 | 418 | 416 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 727,402.63 | 3.75 |
| G09003-G09001 | 8 | 241 | 0.004 | 5.9 | 2,568.87 | 0.53 | 412 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 594,537.55 | 3.07 |
| C02071-D02041 | 8 | 343 | 0.012 | 2.8 | 854.09 | 0.54 | 628 | 624 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 996,714.42 | 5.14 |
| C01046-C01044 | 8 | 300 | 0.013 | 2.4 | 845.52 | 0.51 | 647.95 | 643.94 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,063,546.60 | 5.49 |
| F09121-F09119 | 8 | 119 | 0.008 | 3.3 | 839.49 | 0.53 | 435 | 434 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 846,085.64 | 4.36 |
| E05085-E05083 | 8 | 252 | 0.004 | 5.9 | 3,071.15 | 0.54 | 531 | 530 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 581,416.75 | 3.00 |
| J14125-J14123 | 8 | 278 | 0.002 | 10.3 | 6,875.86 | 0.53 | 336.5 | 336 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 391,426.67 | 2.02 |
| F06037-F06031 | 8 | 282 | 0.011 | 2.6 | 949.81 | 0.54 | 480 | 477 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 951,971.35 | 4.91 |
| G04117-G04115 | 8 | 157 | 0.013 | 3.5 | 622.62 | 0.51 | 499 | 497 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,041,724.74 | 5.37 |
| E09015-E09013 | 10 | 241 | 0.004 | 6.3 | 2,492.66 | 0.54 | 436 | 435 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,077,968.29 | 3.34 |
| C07067-C07065 | 8 | 242 | 0.012 | 2.3 | 602.33 | 0.51 | 528 | 525 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,027,639.41 | 5.30 |
| C02105-C02103 | 8 | 165 | 0.027 | 1.9 | 822.55 | 0.59 | 671.45 | 666.98 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,514,563.63 | 7.81 |
| E14141-E14139 | 10 | 280 | 0.004 | 4.9 | 3,867.82 | 0.54 | 446 | 445 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,000,081.73 | 3.09 |
| E05047-E05045 | 8 | 427 | 0.007 | 3.7 | 1,535.58 | 0.54 | 541 | 538 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 773,632.13 | 3.99 |
| H12073-H12071 | 8 | 350 | 0.003 | 7.8 | 5,373.85 | 0.53 | 365 | 364 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 493,348.47 | 2.54 |
| E07115-E07113 | 8 | 332 | 0.006 | 4.7 | 1,899.63 | 0.54 | 488 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 716,364.02 | 3.69 |
| F15043-F15041 | 8 | 60 | 0.017 | 1.9 | 421.94 | 0.54 | 443 | 441.99 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,197,492.68 | 6.18 |
| E15095-E14033 | 8 | 241 | 0.008 | 4.7 | 1,242.02 | 0.53 | 455 | 453 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 840,803.06 | 4.34 |
| G04139-G04137 | 8 | 325 | 0.006 | 4.6 | 1,556.55 | 0.54 | 503 | 501 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 724,037.61 | 3.73 |
| E11097-E11095 | 8 | 188 | 0.003 | 7.4 | 5,259.73 | 0.54 | 414 | 413.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 475,985.68 | 2.45 |
| E08097-E08095 | 8 | 246 | 0.004 | 6 | 3,283.64 | 0.54 | 464 | 463 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 588,464.48 | 3.03 |
| C01040-C01038 | 8 | 140 | 0.006 | 4.1 | 2,253.80 | 0.54 | 669.51 | 668.63 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 731,754.03 | 3.77 |
| D16037-D16035 | 8 | 140 | 0.007 | 3.3 | 1,552.53 | 0.55 | 501 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 780,052.42 | 4.02 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| D01047-D01045 | 8 | 249 | 0.008 | 3.5 | 1,283.44 | 0.52 | 613 | 611 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 827,185.92 | 4.27 |
| H05069-H05067 | 8 | 168 | 0.012 | 2.7 | 715.39 | 0.55 | 451 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,007,043.35 | 5.19 |
| H11101-H11099 | 8 | 285 | 0.004 | 5.9 | 2,518.48 | 0.54 | 380 | 379 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 546,720.52 | 2.82 |
| F14011-F14009 | 8 | 304 | 0.005 | 4 | 1,825.80 | 0.54 | 440 | 438.44 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 661,170.27 | 3.41 |
| J11141-J11139 | 8 | 209 | 0.005 | 4.9 | 2,939.90 | 0.53 | 371 | 370 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 638,432.03 | 3.29 |
| E03047-E03045 | 8 | 292 | 0.01 | 6.4 | 1,023.72 | 0.55 | 566 | 563 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 935,528.47 | 4.82 |
| E02078-E02077 | 8 | 76 | 0.004 | 6.3 | 4,198.99 | 0.54 | 561.23 | 560.96 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 546,542.99 | 2.82 |
| F07045-F07041 | 8 | 328 | 0.003 | 7 | 4,660.24 | 0.54 | 465 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 509,625.19 | 2.63 |
| H11013-H11011 | 8 | 153 | 0.013 | 3.6 | 765.48 | 0.52 | 367 | 365 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,055,254.20 | 5.44 |
| E13041-D13059 | 8 | 198 | 0.005 | 9.1 | 2,529.35 | 0.54 | 425 | 424 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,926.55 | 3.38 |
| E12077-E12075 | 8 | 175 | 0.006 | 4.8 | 2,173.54 | 0.55 | 416 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 697,700.10 | 3.60 |
| C01001-C02069 | 8 | 266 | 0.008 | 3.6 | 1,425.10 | 0.55 | 636 | 634 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 800,316.90 | 4.13 |
| E06133-E06127 | 8 | 131 | 0.008 | 4.9 | 1,424.72 | 0.55 | 497 | 496 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 806,403.05 | 4.16 |
| F06031-F06029 | 8 | 203 | 0.01 | 2.9 | 1,388.98 | 0.56 | 477 | 475 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 916,125.11 | 4.72 |
| G08083-G08081 | 8 | 243 | 0.003 | 23.6 | 4,697.98 | 0.54 | 446 | 445.29 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 498,900.39 | 2.57 |
| F14143-F13121 | 8 | 263 | 0.008 | 3.7 | 1,547.03 | 0.55 | 430 | 428 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 804,868.50 | 4.15 |
| G09011-G09009 | 8 | 274 | 0.007 | 3.7 | 1,370.96 | 0.55 | 414 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 788,546.89 | 4.07 |
| J11107-J11105 | 8 | 208 | 0.004 | 5.7 | 3,518.12 | 0.53 | 375.8 | 375 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 572,401.99 | 2.95 |
| F06099-F06097 | 8 | 369 | 0.003 | 7.3 | 5,168.09 | 0.54 | 489 | 488 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 480,479.24 | 2.48 |
| B02007-B02003 | 8 | 295 | 0.019 | 2 | 827.4 | 0.53 | 688.38 | 682.61 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,286,463.56 | 6.63 |
| D18053-D18051 | 12 | 295 | 0.003 | 5.1 | 7,915.99 | 0.54 | 532.73 | 531.7 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,607,948.38 | 3.11 |
| F11035-F11033 | 8 | 323 | 0.006 | 7 | 1,920.49 | 0.55 | 405 | 403 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 726,275.75 | 3.75 |
| D07053-D07051 | 8 | 276 | 0.011 | 2.2 | 774.1 | 0.55 | 514 | 511 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 962,263.24 | 4.96 |
| E11117-E11115 | 8 | 234 | 0.009 | 3.6 | 1,242.02 | 0.54 | 421 | 419 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 853,286.50 | 4.40 |
| F10081-F10079 | 8 | 318 | 0.003 | 18.1 | 3,258.93 | 0.55 | 410 | 409 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 517,576.14 | 2.67 |
| H06025-H06023 | 8 | 327 | 0.007 | 3.8 | 1,489.73 | 0.55 | 446.6 | 444.4 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 757,051.23 | 3.90 |
| F14145-F14143 | 8 | 263 | 0.011 | 2.8 | 931.52 | 0.55 | 433 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 985,758.57 | 5.08 |
| D02065-D02063 | 8 | 343 | 0.003 | 6.8 | 4,557.24 | 0.55 | 613 | 612 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 498,357.21 | 2.57 |
| D07023-D07021 | 8 | 298 | 0.007 | 3.3 | 1,457.20 | 0.55 | 514 | 512 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 756,126.87 | 3.90 |
| E14015-E14013 | 15 | 301 | 0.007 | 2.7 | 2,479.06 | 0.54 | 451 | 449 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,021,822.96 | 5.19 |
| E13051-E13049 | 8 | 49 | 0.02 | 2.1 | 615.67 | 0.53 | 421 | 420 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,318,529.25 | 6.80 |
| F15031-F15029 | 8 | 295 | 0.01 | 2.8 | 814.21 | 0.55 | 457 | 454 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 930,759.39 | 4.80 |
| F13099-F13097 | 8 | 299 | 0.01 | 3.6 | 1,212.69 | 0.56 | 417 | 414 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 924,512.61 | 4.77 |
| F09051-F09049 | 8 | 337 | 0.009 | 37.3 | 858.48 | 0.54 | 432 | 429 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 870,830.20 | 4.49 |
| G15003-G15001 | 8 | 198 | 0.01 | 2.5 | 824.5 | 0.56 | 435 | 433 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 927,620.23 | 4.78 |
| F08037-F08017 | 8 | 281 | 0.003 | 12.5 | 3,551.74 | 0.54 | 437 | 436.2 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 492,469.84 | 2.54 |
| J11113-J11111 | 8 | 132 | 0.008 | 3.9 | 1,555.40 | 0.55 | 378 | 377 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 803,342.68 | 4.14 |
| D03095-D03093 | 8 | 221 | 0.018 | 1.8 | 570.04 | 0.54 | 608 | 604 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,241,714.25 | 6.40 |
| F08025-F08023 | 8 | 239 | 0.008 | 4.2 | 929.81 | 0.53 | 444 | 442 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 844,313.74 | 4.35 |
| D03077-D03075 | 8 | 301 | 0.003 | 6.2 | 3,984.55 | 0.55 | 624 | 623 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 531,991.34 | 2.74 |
| E07095-E07093 | 8 | 200 | 0.005 | 5.7 | 2,245.92 | 0.54 | 474 | 473 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 652,638.68 | 3.37 |
| E14127-E14125 | 8 | 86 | 0.012 | 3.8 | 931.52 | 0.56 | 433 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 995,264.66 | 5.13 |
| E05137-F05081 | 8 | 266 | 0.004 | 5.9 | 3,081.35 | 0.55 | 517 | 516 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 565,909.51 | 2.92 |
| F07075-F07073 | 8 | 255 | 0.004 | 6 | 3,294.94 | 0.54 | 470 | 469 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 577,986.53 | 2.98 |
| G13117-G13077 | 8 | 375.00 | 0.005 | 18.7 | 1,476.80 | 0.54 | 382 | 380 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 674,042.33 | 3.48 |
| E13047-E13045 | 8 | 300 | 0.003 | 6.6 | 4,626.61 | 0.55 | 419 | 418 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 532,877.25 | 2.75 |
| F13129-F13125 | 8 | 114 | 0.009 | 4.3 | 1,242.02 | 0.54 | 413 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 864,441.05 | 4.46 |
| F05155-F05143 | 8 | 216 | 0.01 | 4.4 | 930.05 | 0.55 | 503 | 500.77 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 937,806.77 | 4.84 |
| D04047-D04045 | 8 | 267 | 0.007 | 5.2 | 1,535.58 | 0.56 | 565 | 563 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 798,816.77 | 4.12 |
| E05133-F05083 | 8 | 267 | 0.004 | 6.3 | 3,087.94 | 0.55 | 519 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 564,848.76 | 2.91 |
| G12033-G12063 | 10 | 258 | 0.004 | 4.1 | 2,853.27 | 0.54 | 386 | 385 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,041,848.70 | 3.22 |
| F02086-F02084 | 8 | 162 | 0.004 | 5.8 | 3,121.57 | 0.55 | 541.23 | 540.4 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 564,352.39 | 2.91 |
| E11067-E11065 | 10 | 347 | 0.004 | 33.1 | 4,626.77 | 0.55 | 408 | 406.72 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,016,376.83 | 3.15 |
| C02097-C02088 | 8 | 300 | 0.029 | 1.9 | 285.02 | 0.54 | 668.79 | 660 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,577,244.41 | 8.13 |
| E03013-E03011 | 8 | 85 | 0.005 | 4.4 | 2,540.27 | 0.55 | 550.46 | 550 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 678,980.44 | 3.50 |
| J12075-J12029 | 21 | 152 | 0.002 | 46.9 | 15,855.40 | 0.54 | 357.68 | 357.4 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 5,194,254.00 | 3.35 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| E17029-E17027 | 8 | 263 | 0.008 | 4 | 1,552.53 | 0.56 | 510 | 508 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 804,868.50 | 4.15 |
| E11015-E10055 | 8 | 389 | 0.003 | 14.8 | 4,193.43 | 0.55 | 422 | 421 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 467,964.61 | 2.41 |
| F16073-F16071 | 8 | 112 | 0.009 | 3.2 | 1,242.02 | 0.55 | 486 | 485 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 872,125.12 | 4.50 |
| G12027-G12025 | 8 | 274 | 0.004 | 14.6 | 2,651.00 | 0.55 | 383 | 382 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 557,586.85 | 2.88 |
| F14101-F14099 | 8 | 219 | 0.018 | 2.4 | 621.01 | 0.55 | 449 | 445 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,247,371.29 | 6.43 |
| F16067-F16065 | 8 | 131 | 0.004 | 6.2 | 3,713.12 | 0.55 | 484 | 483.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 570,213.06 | 2.94 |
| C01052-C01050 | 8 | 300 | 0.019 | 1.7 | 570.04 | 0.55 | 665.02 | 659.34 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,267,881.68 | 6.54 |
| G04047-G04045 | 8 | 298 | 0.007 | 8.1 | 3,793.49 | 0.56 | 486 | 484 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 756,126.87 | 3.90 |
| E10011-E10009 | 15 | 127 | 0.004 | 2.7 | 3,908.99 | 0.56 | 418.5 | 418 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,095,810.30 | 3.99 |
| F07097-F07095 | 8 | 116 | 0.002 | 11.2 | 10,138.81 | 0.55 | 480 | 479.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 383,242.63 | 1.98 |
| E03009-E03007 | 8 | 389 | 0.008 | 5.3 | 1,535.58 | 0.56 | 551 | 548 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 810,538.47 | 4.18 |
| J11153-J11151 | 8 | 101 | 0.006 | 5.6 | 2,168.73 | 0.56 | 373.43 | 372.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 728,949.42 | 3.76 |
| E03261-E03259 | 8 | 292 | 0.01 | 2.7 | 933.93 | 0.56 | 546 | 543 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 935,528.47 | 4.82 |
| F14123-F14117 | 6 | 123 | 0.008 | 5 | 1,242.02 | 0.54 | 445 | 444 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 386,425.06 | 2.99 |
| G05121-G05119 | 8 | 247 | 0.008 | 3.5 | 1,245.24 | 0.57 | 496 | 494 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 830,528.10 | 4.28 |
| G10013-F10039 | 10 | 348 | 0.003 | 6 | 5,985.33 | 0.55 | 410 | 409 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 897,067.01 | 2.78 |
| E14119-E14117 | 8 | 237 | 0.009 | 3.7 | 1,240.75 | 0.55 | 434.19 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 887,228.92 | 4.58 |
| E13121-E13119 | 8 | 219 | 0.009 | 3.7 | 1,242.02 | 0.55 | 414 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 882,024.70 | 4.55 |
| F12003-G12075 | 8 | 359 | 0.006 | 4.4 | 1,476.80 | 0.55 | 390 | 388 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 688,899.04 | 3.55 |
| D03109-E03053 | 6 | 292 | 0.003 | 8.3 | 3,583.01 | 0.56 | 574 | 573 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 250,799.36 | 1.94 |
| D03123-E03069 | 6 | 292 | 0.003 | 8.3 | 3,583.01 | 0.56 | 571 | 570 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 250,799.36 | 1.94 |
| C04007-C05015 | 8 | 292 | 0.003 | 6.3 | 3,990.29 | 0.56 | 648 | 647 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 540,127.61 | 2.79 |
| F05107-F05105 | 8 | 30 | 0.033 | 14.1 | 311.31 | 0.61 | 507 | 506 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,685,105.82 | 8.69 |
| F06077-F06075 | 8 | 173 | 0.001 | 18.2 | 20,353.94 | 0.56 | 490.13 | 489.97 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 280,688.58 | 1.45 |
| H11127-H11125 | 8 | 295 | 0.003 | 6.3 | 2,938.23 | 0.56 | 377 | 376 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 537,374.18 | 2.77 |
| E03169-E03143 | 8 | 60 | 0.008 | 4.1 | 1,968.71 | 0.54 | 556.5 | 556 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 842,552.91 | 4.35 |
| H11089-H11087 | 8 | 297 | 0.003 | 5.9 | 2,977.20 | 0.56 | 382 | 381 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 535,561.79 | 2.76 |
| J11161-J11077 | 8 | 574 | 0.01 | 13.3 | 1,148.22 | 0.56 | 371 | 365 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 943,642.49 | 4.87 |
| E05093-E05091 | 8 | 262 | 0.004 | 6.3 | 3,583.01 | 0.56 | 534 | 533 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 570,213.06 | 2.94 |
| E14013-E14011 | 15 | 301 | 0.003 | 10 | 6,055.82 | 0.55 | 449 | 448 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,843,858.29 | 3.67 |
| H11137-H11135 | 8 | 318 | 0.006 | 5.2 | 1,528.32 | 0.57 | 383 | 381 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 731,963.20 | 3.78 |
| G14037-G14035 | 8 | 327 | 0.006 | 5.7 | 2,186.45 | 0.57 | 437 | 435 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 721,820.03 | 3.72 |
| E07035-E07007 | 8 | 163.00 | 0.009 | 8.6 | 1,122.96 | 0.55 | 477.5 | 476 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 885,400.24 | 4.57 |
| F07003-F07001 | 8 | 179 | 0.006 | 9.8 | 2,752.06 | 0.55 | 452 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 689,860.52 | 3.56 |
| F09131-G09053 | 8 | 512 | 0.004 | 11.1 | 2,518.48 | 0.56 | 432 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| C07041-C07039 | 8 | 101 | 0.04 | 1.4 | 172.4 | 0.58 | 531 | 527 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,836,779.89 | 9.47 |
| F07047-F07045 | 8 | 354 | 0.008 | 4.9 | 1,424.72 | 0.54 | 468 | 465 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 849,663.19 | 4.38 |
| F15093-F15091 | 6 | 119 | 0.008 | 20.1 | 1,242.02 | 0.55 | 454 | 453 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 392,865.93 | 3.04 |
| K14079-J14123 | 8 | 259 | 0.002 | 10.6 | 7,807.70 | 0.56 | 336.5 | 336 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 405,529.94 | 2.09 |
| H12071-H12069 | 8 | 349 | 0.003 | 8.1 | 6,743.68 | 0.56 | 364 | 363 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 494,054.77 | 2.55 |
| E11143-E11141 | 8 | 287 | 0.007 | 4.7 | 1,863.03 | 0.57 | 420 | 418 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 770,480.86 | 3.97 |
| C06091-C06077 | 8 | 158 | 0.025 | 1.7 | 344.8 | 0.56 | 568 | 564 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,468,551.76 | 7.57 |
| E07023-E07021 | 12 | 400 | 0.003 | 7.9 | 6,905.25 | 0.57 | 491 | 490 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,360,612.64 | 2.63 |
| G03039-G03037 | 8 | 155 | 0.006 | 8.1 | 1,857.17 | 0.57 | 510 | 509 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 741,347.72 | 3.82 |
| D17033-D17031 | 8 | 147 | 0.006 | 4.7 | 2,149.72 | 0.57 | 527.95 | 527 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 741,977.85 | 3.83 |
| G09007-G09005 | 8 | 57 | 0.009 | 3 | 1,200.68 | 0.54 | 413 | 412.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 864,441.05 | 4.46 |
| F16057-F16055 | 8 | 226 | 0.004 | 6 | 3,704.39 | 0.57 | 489 | 488 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 613,950.83 | 3.17 |
| G09157-G09155 | 6 | 106 | 0.019 | 3 | 530.4 | 0.58 | 417 | 415 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 588,680.85 | 4.55 |
| F03019-G03061 | 8 | 356 | 0.008 | 3.8 | 1,245.24 | 0.57 | 513 | 510 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 847,273.13 | 4.37 |
| F12119-F12117 | 8 | 221 | 0.005 | 5.3 | 3,403.27 | 0.57 | 410 | 409 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 620,857.13 | 3.20 |
| G09133-G09131 | 8 | 193 | 0.005 | 5.7 | 2,792.88 | 0.56 | 422 | 421 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 664,368.68 | 3.43 |
| F15017-F15015 | 8 | 276 | 0.011 | 2.7 | 742.76 | 0.57 | 460 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 962,263.24 | 4.96 |
| G15025-G15009 | 8 | 310 | 0.003 | 6.9 | 4,195.78 | 0.56 | 440 | 439 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 524,212.00 | 2.70 |
| J11063-H11113 | 8 | 561 | 0.007 | 12.5 | 1,913.70 | 0.57 | 373 | 369 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 779,356.88 | 4.02 |
| D08093-D08091 | 8 | 340 | 0.018 | 2.7 | 631.83 | 0.58 | 476 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,226,094.58 | 6.32 |
| B02001-C02106 | 8 | 227 | 0.027 | 2.1 | 824.32 | 0.55 | 678.54 | 672.18 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,511,966.58 | 7.80 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| F06159-F06145 | 8 | 304 | 0.003 | 10.1 | 4,709.41 | 0.57 | 489 | 488 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 529,359.87 | 2.73 |
| E03113-E03111 | 8 | 251 | 0.004 | 5.9 | 3,994.42 | 0.54 | 573 | 572 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 582,573.80 | 3.00 |
| F02094-F02092 | 8 | 0 | 0.009 | 3.7 | 1,121.77 | 0.57 | 544 | 542.97 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 885,110.33 | 4.56 |
| F08009-F08007 | 8 | 259 | 0.012 | 3 | 775.8 | 0.58 | 454 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 993,341.44 | 5.12 |
| G09123-G09121 | 8 | 392 | 0.005 | 7.5 | 2,889.34 | 0.58 | 414 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 659,264.62 | 3.40 |
| E06137-E06135 | 8 | 358 | 0.006 | 5.2 | 2,374.54 | 0.56 | 497 | 495 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 689,860.52 | 3.56 |
| K14007-K14005 | 8 | 306 | 0.003 | 6.4 | 4,017.05 | 0.56 | 328 | 327 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 527,627.10 | 2.72 |
| E02070-E02064 | 8 | 339.9 | 0.003 | 7.9 | 4,623.81 | 0.57 | 560.47 | 559.45 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 505,531.75 | 2.61 |
| F04037-F04035 | 8 | 299 | 0.007 | 3.8 | 1,852.07 | 0.58 | 513 | 511 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 754,861.39 | 3.89 |
| E04157-F04171 | 8 | 255 | 0.012 | 6.6 | 927.93 | 0.58 | 534 | 531 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,001,102.04 | 5.16 |
| F09095-F09087 | 8 | 177 | 0.006 | 11.5 | 1,678.99 | 0.56 | 428 | 427 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 693,747.09 | 3.58 |
| G07019-F07059 | 8 | 345 | 0.006 | 5.4 | 2,355.66 | 0.56 | 470 | 468 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 702,737.71 | 3.62 |
| F03013-F03011 | 8 | 355 | 0.011 | 2.8 | 933.93 | 0.57 | 528 | 524 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 979,723.73 | 5.05 |
| F08147-F08101 | 8 | 247 | 0.004 | 21.8 | 3,760.56 | 0.57 | 451 | 450 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,272.05 | 3.03 |
| E04039-E04037 | 8 | 366 | 0.003 | 7.9 | 6,103.81 | 0.57 | 549 | 548 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 482,444.39 | 2.49 |
| F09099-F09097 | 8 | 297 | 0.003 | 9 | 3,355.66 | 0.57 | 427 | 426 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 535,561.79 | 2.76 |
| E04147-E04143 | 8 | 259 | 0.004 | 5.7 | 3,684.35 | 0.57 | 536 | 535 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 573,505.95 | 2.96 |
| F15123-F15099 | 6 | 260 | 0.008 | 20 | 1,552.53 | 0.59 | 466 | 464 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 375,877.36 | 2.91 |
| C02124-C02122 | 8 | 300 | 0.015 | 2.1 | 842.08 | 0.55 | 650.2 | 645.64 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,136,022.62 | 5.86 |
| J15025-J15023 | 8 | 261 | 0.004 | 8.7 | 3,545.71 | 0.59 | 332 | 331 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 571,304.38 | 2.95 |
| G05035-G05033 | 8 | 303 | 0.013 | 3.7 | 1,757.60 | 0.58 | 478 | 474 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,060,465.36 | 5.47 |
| H12025-H12023 | 8 | 410 | 0.008 | 32.9 | 1,054.86 | 0.58 | 373 | 369.59 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 841,730.51 | 4.34 |
| D12051-D12049 | 8 | 238 | 0.001 | 14.6 | 14,712.04 | 0.58 | 441.5 | 441.21 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 322,179.81 | 1.66 |
| G05047-G05045 | 8 | 172 | 0.012 | 3.9 | 2,381.79 | 0.58 | 479 | 477 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 995,264.66 | 5.13 |
| D05061-D05059 | 8 | 238 | 0.004 | 6.9 | 3,966.21 | 0.57 | 590 | 589 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 598,272.90 | 3.09 |
| D10137-D10135 | 8 | 362 | 0.003 | 11.9 | 4,499.07 | 0.58 | 432 | 431 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 485,102.51 | 2.50 |
| F08143-F08103 | 8 | 249 | 0.004 | 30 | 4,223.07 | 0.58 | 452 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 584,908.77 | 3.02 |
| F03057-F03055 | 8 | 353 | 0.006 | 4.8 | 2,447.74 | 0.57 | 517 | 515 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 694,729.04 | 3.58 |
| F16007-F16005 | 8 | 171 | 0.006 | 5.8 | 2,475.84 | 0.57 | 485 | 484 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 705,813.16 | 3.64 |
| J13009-J13007 | 8 | 78 | 0.013 | 3.5 | 817.58 | 0.58 | 339 | 338 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,045,058.27 | 5.39 |
| F08079-F08077 | 8 | 248 | 0.004 | 6 | 2,936.51 | 0.58 | 438 | 437 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 586,086.84 | 3.02 |
| E08089-E08087 | 8 | 189 | 0.005 | 5.2 | 2,832.02 | 0.59 | 462 | 461 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 671,362.23 | 3.46 |
| C03029-C03027 | 8 | 306 | 0.007 | 4.1 | 2,278.18 | 0.59 | 676 | 674 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 746,177.40 | 3.85 |
| F06029-F06027 | 8 | 261 | 0.011 | 2.9 | 1,373.11 | 0.58 | 475 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 989,528.21 | 5.10 |
| E16019-E16017 | 8 | 324 | 0.009 | 4.3 | 1,392.89 | 0.56 | 485 | 482 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 888,128.75 | 4.58 |
| F09057-F09055 | 8 | 293 | 0.014 | 2.3 | 653.7 | 0.59 | 426 | 422 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,078,410.21 | 5.56 |
| F06107-F06063 | 8 | 346 | 0.027 | 14 | 474.91 | 0.57 | 491 | 481.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,513,182.23 | 7.80 |
| K10011-K10009 | 12 | 300 | 0.002 | 11.9 | 39,655.31 | 0.55 | 377.55 | 376.85 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,314,476.69 | 2.54 |
| D10061-D10059 | 8 | 249 | 0.004 | 6.5 | 2,757.70 | 0.57 | 450 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 584,908.77 | 3.02 |
| G09167-G09165 | 6 | 100 | 0.02 | 3.1 | 530.4 | 0.59 | 420 | 418 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 606,084.03 | 4.69 |
| F06105-F06101 | 8 | 137 | 0.007 | 8.3 | 1,899.63 | 0.58 | 484 | 483 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 788,546.89 | 4.07 |
| C02092-C02090 | 8 | 300 | 0.035 | 1.1 | 285.02 | 0.57 | 665.86 | 655.32 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,721,419.82 | 8.88 |
| F12037-F12005 | 8 | 171 | 0.012 | 11.2 | 1,377.17 | 0.59 | 389 | 387 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 998,170.54 | 5.15 |
| E05143-E05141 | 8 | 264 | 0.008 | 3.7 | 1,556.55 | 0.58 | 515 | 513 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 803,342.68 | 4.14 |
| F08151-F08097 | 8 | 246 | 0.004 | 25.5 | 4,228.57 | 0.58 | 450 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 588,464.48 | 3.03 |
| E14099-E14095 | 8 | 250 | 0.004 | 7.4 | 4,330.07 | 0.58 | 437 | 436 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 583,737.78 | 3.01 |
| E11081-E11079 | 10 | 252 | 0.004 | 6.5 | 5,233.95 | 0.57 | 412 | 411 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,054,178.70 | 3.26 |
| E14045-E14113 | 8 | 257 | 0.012 | 3.3 | 1,242.02 | 0.6 | 446 | 443 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 997,199.09 | 5.14 |
| H06037-H06035 | 8 | 158 | 0.012 | 3.1 | 973.75 | 0.59 | 451.4 | 449.54 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,001,418.79 | 5.16 |
| E11103-E11097 | 8 | 143 | 0.007 | 5.7 | 2,169.83 | 0.59 | 415 | 414 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 771,826.68 | 3.98 |
| E08087-E08085 | 8 | 233 | 0.004 | 6.3 | 3,750.28 | 0.58 | 461 | 460 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 604,658.06 | 3.12 |
| F03043-F03041 | 8 | 366 | 0.003 | 7.7 | 5,819.91 | 0.58 | 525 | 524 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 482,444.39 | 2.49 |
| H06031-H06029 | 8 | 137 | 0.007 | 4.4 | 2,279.46 | 0.58 | 446.2 | 445.25 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 768,580.44 | 3.96 |
| E12137-E12135 | 8 | 228 | 0.004 | 5.6 | 3,709.96 | 0.58 | 411 | 410 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 611,252.13 | 3.15 |
| G09103-G09101 | 8 | 167 | 0.006 | 3.6 | 1,678.99 | 0.58 | 406 | 405 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 714,215.99 | 3.68 |
| H06045-H06043 | 8 | 276 | 0.007 | 3.8 | 1,850.36 | 0.59 | 451 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 785,684.64 | 4.05 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| E12079-E12061 | 8 | 227 | 0.004 | 10.4 | 3,415.56 | 0.58 | 412 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 612,597.02 | 3.16 |
| F11037-F11033 | 8 | 238 | 0.004 | 8 | 4,018.52 | 0.58 | 404 | 403 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 598,272.90 | 3.09 |
| D14129-D14127 | 8 | 48 | 0.021 | 2.6 | 621.01 | 0.58 | 475 | 474 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,332,193.13 | 6.87 |
| F13125-F13123 | 8 | 234 | 0.004 | 5.8 | 4,015.02 | 0.58 | 412 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 603,364.67 | 3.11 |
| C02033-C02027 | 8 | 257 | 0.023 | 3.1 | 569.43 | 0.57 | 653 | 647 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,410,252.48 | 7.27 |
| H13055-H13053 | 8 | 264 | 0.008 | 3.3 | 1,265.83 | 0.59 | 370 | 368 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 803,342.68 | 4.14 |
| G07033-G07029 | 8 | 237 | 0.004 | 6.6 | 3,777.15 | 0.58 | 450 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 599,533.75 | 3.09 |
| K13027-K13025 | 8 | 238 | 0.004 | 5.6 | 3,201.44 | 0.58 | 336 | 335 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 598,272.90 | 3.09 |
| G05155-G05151 | 8 | 104 | 0.019 | 1.9 | 622.62 | 0.6 | 489 | 487 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,279,929.75 | 6.60 |
| E06105-E06101 | 8 | 295 | 0.003 | 6.5 | 4,435.92 | 0.59 | 497 | 496 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 537,374.18 | 2.77 |
| E12081-E12061 | 8 | 72 | 0.014 | 8.9 | 931.52 | 0.6 | 412 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,087,731.13 | 5.61 |
| D15041-D15039 | 8 | 84 | 0.012 | 2.9 | 1,242.02 | 0.6 | 462 | 461 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,007,043.35 | 5.19 |
| E07139-E07137 | 8 | 249 | 0.004 | 6.6 | 4,218.86 | 0.58 | 468 | 467 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 584,908.77 | 3.02 |
| G09161-G09159 | 6 | 99 | 0.021 | 3.3 | 530.4 | 0.6 | 418 | 415.94 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 618,206.91 | 4.78 |
| J12051-J11053 | 8 | 143 | 0.014 | 9.9 | 956.85 | 0.6 | 369 | 367 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,091,527.76 | 5.63 |
| G09095-G09093 | 8 | 199 | 0.005 | 4.6 | 2,200.92 | 0.59 | 403 | 402 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 654,276.42 | 3.37 |
| F10041-F10039 | 8 | 298 | 0.01 | 5.1 | 1,115.52 | 0.58 | 412 | 409 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 926,062.51 | 4.78 |
| D02083-D02081 | 8 | 177 | 0.006 | 8.6 | 2,663.13 | 0.58 | 605 | 604 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 693,747.09 | 3.58 |
| F04091-F04073 | 8 | 199 | 0.005 | 7.2 | 2,477.44 | 0.6 | 519 | 517.91 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 683,084.64 | 3.52 |
| E12117-E12115 | 8 | 266 | 0.004 | 7.4 | 4,347.08 | 0.59 | 411 | 410 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 565,909.51 | 2.92 |
| F16065-F16015 | 8 | 138 | 0.004 | 16.7 | 4,946.16 | 0.59 | 483.5 | 483 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 555,562.94 | 2.87 |
| H05065-H05063 | 8 | 326 | 0.006 | 4 | 2,148.47 | 0.58 | 447 | 445 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 722,926.27 | 3.73 |
| F04047-F05015 | 8 | 300 | 0.003 | 6.6 | 4,612.17 | 0.59 | 509 | 508 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 532,877.25 | 2.75 |
| F02092-F02090 | 8 | 301 | 0.005 | 5.6 | 2,671.35 | 0.59 | 542.97 | 541.46 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,904.62 | 3.38 |
| E09071-E09069 | 8 | 378 | 0.029 | 30.6 | 345.24 | 0.58 | 433 | 422 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,574,483.99 | 8.12 |
| G04027-G04009 | 8 | 298 | 0.01 | 6.4 | 2,614.91 | 0.58 | 482 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 926,062.51 | 4.78 |
| F16071-F16069 | 8 | 62 | 0.008 | 4.3 | 1,860.01 | 0.59 | 485 | 484.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 828,851.95 | 4.27 |
| F06095-F06093 | 8 | 228 | 0.01 | 3.5 | 1,417.06 | 0.57 | 497.02 | 494.79 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 912,794.08 | 4.71 |
| F13139-F13137 | 8 | 252 | 0.012 | 3.4 | 1,146.71 | 0.59 | 416 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,007,043.35 | 5.19 |
| F15069-F15067 | 8 | 245 | 0.012 | 3.2 | 1,240.80 | 0.61 | 466 | 463 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,021,328.36 | 5.27 |
| E14081-E14079 | 8 | 110 | 0.009 | 3.5 | 1,552.53 | 0.6 | 436 | 435 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 880,017.82 | 4.54 |
| G04015-G04013 | 8 | 321 | 0.009 | 4.8 | 2,958.40 | 0.57 | 485 | 482 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 892,269.23 | 4.60 |
| K09001-K10011 | 12 | 301 | 0.002 | 11.9 | 39,697.98 | 0.57 | 378.26 | 377.55 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,321,631.63 | 2.56 |
| E03109-E03107 | 8 | 137 | 0.007 | 5.6 | 2,047.43 | 0.6 | 571 | 570 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 788,546.89 | 4.07 |
| E18045-E18043 | 8 | 186 | 0.022 | 2.5 | 621.01 | 0.58 | 542 | 538 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,353,509.57 | 6.98 |
| F04133-F04127 | 8 | 201 | 0.007 | 6.2 | 1,867.86 | 0.6 | 518.08 | 516.66 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 775,771.73 | 4.00 |
| D15021-D15019 | 8 | 246 | 0.012 | 3.8 | 1,242.02 | 0.61 | 486 | 483 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,019,250.38 | 5.26 |
| H12031-H12029 | 8 | 381 | 0.01 | 2.6 | 843.88 | 0.58 | 375 | 371 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 945,704.19 | 4.88 |
| J07153-J07151 | 8 | 344 | 0.01 | 3 | 1,192.41 | 0.58 | 416.18 | 412.57 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 945,501.42 | 4.88 |
| F04015-F04009 | 8 | 308 | 0.003 | 7.3 | 4,913.37 | 0.59 | 519 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 525,911.24 | 2.71 |
| F04095-F04071 | 8 | 199 | 0.006 | 7.1 | 2,477.44 | 0.58 | 518 | 516.88 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 692,421.08 | 3.57 |
| G05065-G05063 | 8 | 20 | 0.05 | 1.5 | 355.35 | 0.61 | 476 | 475 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,063,824.72 | 10.64 |
| F04019-F04005 | 8 | 307 | 0.003 | 8 | 4,913.61 | 0.59 | 513 | 512 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 526,767.07 | 2.72 |
| G13063-G13029 | 8 | 188 | 0.005 | 11.7 | 2,066.16 | 0.6 | 390 | 389 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 673,145.40 | 3.47 |
| F03049-F03023 | 8 | 364 | 0.003 | 9.5 | 6,131.00 | 0.59 | 517 | 516 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 483,767.98 | 2.49 |
| D08075-D08073 | 8 | 250 | 0.012 | 2.8 | 1,098.97 | 0.61 | 489 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,011,063.49 | 5.21 |
| G14081-G14079 | 8 | 140 | 0.021 | 2.2 | 421.94 | 0.59 | 430 | 427 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,351,090.43 | 6.97 |
| F13023-F13021 | 8 | 230 | 0.009 | 2.8 | 1,131.33 | 0.6 | 408 | 406 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 860,674.40 | 4.44 |
| F04059-F05009 | 8 | 304 | 0.003 | 8.7 | 4,914.29 | 0.6 | 504 | 503 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 529,359.87 | 2.73 |
| F04063-F04061 | 8 | 310 | 0.01 | 3.8 | 1,245.24 | 0.57 | 509 | 506 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 907,961.82 | 4.68 |
| E05075-E05073 | 8 | 256 | 0.004 | 23.8 | 4,580.48 | 0.6 | 527 | 526 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| H11059-H11057 | 8 | 315 | 0.006 | 4.4 | 1,678.99 | 0.59 | 385 | 383 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 735,440.48 | 3.79 |
| E11099-E11097 | 8 | 134 | 0.007 | 5.6 | 2,169.56 | 0.6 | 415 | 414 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 797,325.05 | 4.11 |
| E03187-E03185 | 8 | 83 | 0.012 | 3.2 | 1,508.29 | 0.61 | 562 | 561 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,013,091.71 | 5.22 |
| G11007-G11005 | 8 | 314 | 0.006 | 4 | 1,678.99 | 0.59 | 386 | 384 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 736,610.63 | 3.80 |
| D08107-D08105 | 8 | 289 | 0.003 | 7.3 | 4,491.85 | 0.6 | 471 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 542,923.81 | 2.80 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|--------------|----------------|-------|------------------------|-------------------|------------------------|----------------------|---------------------|--------------------------------------|--|-------------------|--------------------------------|
| D12021-D12019 | 8 | 401 | 0.007 | 4.4 | 2,106.24 | 0.6 | 435 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 798,318.60 | 4.12 |
| E04127-E04125 | 8 | 231 | 0.004 | 5.4 | 3,403.37 | 0.6 | 531 | 530 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 607,269.99 | 3.13 |
| G05041-G05039 | 8 | 134 | 0.007 | 5.5 | 4,714.63 | 0.6 | 473 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 797,325.05 | 4.11 |
| G05045-G05043 | 8 | 200 | 0.01 | 4.7 | 3,066.27 | 0.58 | 477 | 475 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 922,970.47 | 4.76 |
| F13083-F13081 | 8 | 400 | 0.004 | 6.6 | 4,938.66 | 0.61 | 421.59 | 419.99 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 583,737.78 | 3.01 |
| J14081-J14079 | 8 | 119 | 0.004 | 5.5 | 3,465.13 | 0.59 | 339.5 | 339 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 598,272.90 | 3.09 |
| J11009-J11007 | 8 | 231 | 0.009 | 3.6 | 1,806.48 | 0.61 | 383 | 381 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 858,809.45 | 4.43 |
| D01019-D02055 | 8 | 248 | 0.008 | 7.8 | 1,961.15 | 0.6 | 608 | 606 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 828,851.95 | 4.27 |
| F15021-F15019 | 8 | 313 | 0.01 | 3.4 | 1,222.82 | 0.58 | 461 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 903,600.09 | 4.66 |
| D19013-D19011 | 8 | 300 | 0.004 | 7.8 | 6,740.17 | 0.59 | 559.06 | 558.01 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 551,580.36 | 2.84 |
| E07151-E07147 | 8 | 265 | 0.004 | 7.8 | 4,723.67 | 0.6 | 471 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 566,976.25 | 2.92 |
| F06007-F06005 | 8 | 275 | 0.004 | 6.8 | 5,156.64 | 0.6 | 472 | 471 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 556,572.14 | 2.87 |
| E02077-E02075 | 8 | 0 | 0.004 | 6.3 | 4,496.69 | 0.59 | 560.96 | 559.76 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 603,149.91 | 3.11 |
| E07081-E07077 | 8 | 159 | 0.013 | 4 | 1,122.96 | 0.62 | 478 | 476 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,035,152.28 | 5.34 |
| F08043-G08009 | 8 | 280 | 0.004 | 7 | 3,773.60 | 0.6 | 434 | 433 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 551,580.36 | 2.84 |
| H13043-H13041 | 6 | 101 | 0.003 | 8.7 | 3,516.34 | 0.6 | 373.2 | 372.9 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 233,570.39 | 1.81 |
| F09093-F09091 | 8 | 82 | 0.012 | 10.2 | 839.49 | 0.6 | 432 | 431 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,019,250.38 | 5.26 |
| F03149-F03145 | 8 | 189 | 0.006 | 13.6 | 2,763.67 | 0.59 | 532.12 | 531 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 710,503.00 | 3.66 |
| L14029-L14027 | 8 | 234 | 0.004 | 7.6 | 3,761.14 | 0.6 | 315 | 314 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 603,364.67 | 3.11 |
| E16053-E15087 | 8 | 391 | 0.013 | 3.8 | 1,242.02 | 0.62 | 478 | 473 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,043,721.02 | 5.38 |
| G05017-G05015 | 8 | 320 | 0.009 | 4.7 | 3,545.25 | 0.61 | 483 | 480 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 893,662.32 | 4.61 |
| F03003-G03023 | 8 | 355 | 0.008 | 3.7 | 1,556.55 | 0.61 | 510 | 507 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 848,465.64 | 4.38 |
| F04097-F04095 | 8 | 200 | 0.01 | 3.5 | 1,245.24 | 0.58 | 520 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 922,970.47 | 4.76 |
| F04093-F04091 | 8 | 200 | 0.01 | 3.6 | 1,245.24 | 0.58 | 521 | 519 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 922,970.47 | 4.76 |
| C03057-C03055 | 8 | 165 | 0.024 | 2 | 570.04 | 0.59 | 639 | 635 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,437,063.08 | 7.41 |
| D07025-D07023 | 8 | 215 | 0.009 | 3 | 1,288.03 | 0.61 | 516 | 514 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 890,191.77 | 4.59 |
| H13039-H13023 | 6 | 112 | 0.003 | 14.1 | 4,228.98 | 0.61 | 372.6 | 372.3 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 221,804.04 | 1.72 |
| E08101-E08099 | 8 | 68 | 0.015 | 3.2 | 949.81 | 0.61 | 466 | 465 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,119,266.10 | 5.77 |
| E14043-E14097 | 8 | 310 | 0.01 | 3.6 | 1,552.53 | 0.61 | 444 | 441 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 907,961.82 | 4.68 |
| K14047-K14045 | 8 | 256 | 0.004 | 6.6 | 4,164.13 | 0.61 | 330 | 329 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| E17046-E17038 | 8 | 279 | 0.003 | 9.1 | 6,463.48 | 0.6 | 521.33 | 520.38 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 538,576.63 | 2.78 |
| J08015-J08005 | 8 | 327 | 0.002 | 20.6 | 13,468.57 | 0.61 | 401.55 | 401 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 378,525.62 | 1.95 |
| F15111-F15109 | 8 | 279 | 0.004 | 8.3 | 5,267.20 | 0.61 | 478 | 477 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 552,567.97 | 2.85 |
| C02080-C02031 | 8 | 177.1 | 0.01 | 4.3 | 2,537.03 | 0.58 | 651.25 | 650 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 922,970.47 | 4.76 |
| G09153-G09139 | 8 | 146 | 0.021 | 5 | 795.59 | 0.62 | 421 | 418 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,323,037.05 | 6.82 |
| H12029-H12027 | 12 | 107 | 0.008 | 21.9 | 1,632.92 | 0.59 | 371 | 370.12 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,467,822.65 | 4.77 |
| J12071-J12069 | 8 | 317 | 0.006 | 5 | 3,047.78 | 0.6 | 366 | 364 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 733,116.80 | 3.78 |
| H11135-H11133 | 8 | 345 | 0.003 | 7 | 4,882.90 | 0.61 | 381 | 380 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 496,910.60 | 2.56 |
| E07143-E07141 | 8 | 193 | 0.01 | 3.8 | 1,424.72 | 0.59 | 471 | 469 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 939,559.20 | 4.85 |
| E03001-E04039 | 8 | 361 | 0.006 | 6.4 | 3,071.15 | 0.6 | 551 | 549 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 686,988.08 | 3.54 |
| F18021-F18017 | 8 | 304 | 0.01 | 4.3 | 1,552.53 | 0.59 | 543 | 540 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 916,878.19 | 4.73 |
| E19001-D19013 | 8 | 0 | 0.003 | 7.9 | 6,765.61 | 0.61 | 560.11 | 559.06 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 536,293.17 | 2.77 |
| H13081-H13069 | 8 | 384 | 0.008 | 5.5 | 1,265.83 | 0.61 | 378 | 374.75 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 849,109.84 | 4.38 |
| G04009-G04001 | 8 | 248 | 0.004 | 8.9 | 9,493.19 | 0.61 | 479 | 478 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 586,086.84 | 3.02 |
| G09113-G09111 | 8 | 171 | 0.006 | 4 | 2,094.81 | 0.62 | 406 | 405 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 705,813.16 | 3.64 |
| F05003-F05001 | 10 | 288 | 0.007 | 5.2 | 2,588.31 | 0.62 | 500 | 498 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,394,547.34 | 4.32 |
| F08069-F08067 | 8 | 224 | 0.004 | 5.4 | 2,936.39 | 0.61 | 442 | 441 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 616,685.59 | 3.18 |
| E05005-E05003 | 8 | 256 | 0.004 | 7.8 | 4,387.21 | 0.61 | 528 | 527 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| F03181-F03179 | 8 | 268 | 0.007 | 6 | 2,147.84 | 0.62 | 540 | 538 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 797,325.05 | 4.11 |
| C06083-C06081 | 8 | 243 | 0.033 | 1.2 | 344.8 | 0.6 | 595 | 587 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,674,671.63 | 8.64 |
| G15049-G15043 | 8 | 230 | 0.013 | 3 | 843.88 | 0.63 | 467 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,054,106.56 | 5.44 |
| G03001-G04061 | 8 | 254 | 0.004 | 8.9 | 9,485.24 | 0.61 | 491 | 490 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 579,123.18 | 2.99 |
| J13011-J13007 | 8 | 96 | 0.01 | 3.8 | 1,226.38 | 0.59 | 339 | 338 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 942,002.79 | 4.86 |
| E05135-E05133 | 8 | 260 | 0.008 | 4.4 | 1,867.86 | 0.62 | 521 | 519 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 809,498.65 | 4.17 |
| H11077-H11075 | 8 | 342 | 0.003 | 7.8 | 5,414.85 | 0.61 | 380 | 379 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 499,085.27 | 2.57 |
| J11105-J11103 | 8 | 208 | 0.005 | 6.2 | 4,263.94 | 0.6 | 375 | 374 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 639,964.88 | 3.30 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|-------------------------------------|-------------------------------------|----------------|-----------------------------|
| G07011-F07019 | 8 | 242 | 0.004 | 8.3 | 4,701.32 | 0.62 | 455 | 454 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 593,307.89 | 3.06 |
| B01010-C01040 | 8 | 115 | 0.009 | 3.9 | 2,259.10 | 0.61 | 670.41 | 669.51 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 858,602.98 | 4.43 |
| F07111-F07109 | 8 | 301 | 0.003 | 9.3 | 5,698.89 | 0.61 | 476 | 475 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 531,991.34 | 2.74 |
| E03015-E03013 | 8 | 353 | 0.01 | 3.8 | 1,535.58 | 0.59 | 554 | 550.46 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 924,276.87 | 4.77 |
| G04121-G04119 | 8 | 354 | 0.006 | 5.5 | 2,779.20 | 0.62 | 499 | 497 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 693,747.09 | 3.58 |
| E12071-E12069 | 8 | 120 | 0.004 | 7.3 | 4,641.28 | 0.62 | 414.5 | 414 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 595,774.88 | 3.07 |
| G04119-G04113 | 8 | 261 | 0.004 | 6.5 | 4,593.87 | 0.61 | 497 | 496 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 571,304.38 | 2.95 |
| F06087-F06085 | 8 | 231 | 0.006 | 6.6 | 3,299.05 | 0.61 | 498.87 | 497.59 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 687,047.56 | 3.54 |
| C02029-C02027 | 8 | 257 | 0.008 | 4.7 | 3,343.18 | 0.61 | 649 | 647 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 814,209.65 | 4.20 |
| G05117-G05115 | 8 | 278 | 0.004 | 6.7 | 4,907.79 | 0.62 | 492 | 491 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 553,560.90 | 2.85 |
| C06109-C06107 | 8 | 268 | 0.034 | 1.6 | 344.8 | 0.61 | 552 | 543 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,691,381.85 | 8.72 |
| H13027-H13025 | 8 | 221 | 0.001 | 12.8 | 11,982.75 | 0.61 | 372.9 | 372.6 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 340,057.45 | 1.75 |
| G05151-G05143 | 8 | 348 | 0.014 | 30.4 | 927.72 | 0.62 | 487 | 482 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,106,326.17 | 5.71 |
| F08093-F08091 | 8 | 270 | 0.007 | 4.6 | 2,374.54 | 0.62 | 451 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 794,366.50 | 4.10 |
| B02003-B02001 | 8 | 122 | 0.033 | 1.8 | 824.59 | 0.59 | 682.61 | 678.54 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,678,929.48 | 8.66 |
| D08103-D08101 | 8 | 275 | 0.004 | 7.9 | 4,642.22 | 0.62 | 469 | 468 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 556,572.14 | 2.87 |
| D04023-D04021 | 8 | 246 | 0.016 | 2.7 | 855.06 | 0.58 | 611 | 607 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,176,928.96 | 6.07 |
| D16069-D16067 | 8 | 313 | 0.003 | 7.7 | 6,272.89 | 0.62 | 493 | 492 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 521,693.76 | 2.69 |
| F15007-F15005 | 8 | 332 | 0.009 | 3.4 | 1,425.06 | 0.62 | 453 | 450 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 877,363.16 | 4.52 |
| G10077-G10075 | 8 | 256 | 0.004 | 5.9 | 3,403.34 | 0.62 | 393 | 392 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| D15059-D15057 | 8 | 160 | 0.004 | 6.1 | 4,426.34 | 0.63 | 493.7 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 610,487.58 | 3.15 |
| F18041-F18039 | 8 | 234 | 0.004 | 6.3 | 4,637.09 | 0.62 | 547 | 546 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 603,364.67 | 3.11 |
| E14129-E14125 | 8 | 339 | 0.009 | 4.3 | 1,863.03 | 0.62 | 435 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 868,257.58 | 4.48 |
| F16055-F16053 | 8 | 227 | 0.004 | 6.8 | 4,933.07 | 0.61 | 488 | 487 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 612,597.02 | 3.16 |
| G13127-G13125 | 8 | 355 | 0.009 | 3.2 | 1,265.83 | 0.62 | 384 | 380.9 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 862,490.81 | 4.45 |
| F15125-F15097 | 6 | 245 | 0.008 | 21.6 | 1,863.03 | 0.62 | 462 | 460 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 387,212.88 | 3.00 |
| D17037-D17033 | 8 | 236 | 0.04 | 2.5 | 310.51 | 0.61 | 537.33 | 527.95 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,840,065.26 | 9.49 |
| G08075-G08073 | 8 | 241 | 0.004 | 25.6 | 4,708.79 | 0.62 | 445 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 594,537.55 | 3.07 |
| F01017-F01015 | 8 | 448 | 0.003 | 0 | 0 | 0 | 528.92 | 527.52 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 515,956.18 | 2.66 |
| E16011-D16083 | 8 | 235 | 0.004 | 8.5 | 4,498.49 | 0.63 | 482 | 481 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 602,079.55 | 3.11 |
| H13041-H13039 | 6 | 100 | 0.003 | 9.2 | 3,870.64 | 0.61 | 372.9 | 372.6 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 234,735.34 | 1.82 |
| E15085-E15083 | 8 | 261 | 0.004 | 10.3 | 5,557.94 | 0.62 | 470 | 469 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 571,304.38 | 2.95 |
| G07007-F07015 | 8 | 242 | 0.004 | 9.7 | 4,711.37 | 0.62 | 453 | 452 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 593,307.89 | 3.06 |
| D03019-D03017 | 8 | 190 | 0.005 | 8.3 | 4,243.51 | 0.62 | 602 | 601 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 669,593.16 | 3.45 |
| C04017-D04017 | 8 | 242 | 0.017 | 2.6 | 855.06 | 0.59 | 621 | 617 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,186,615.78 | 6.12 |
| H04021-H04019 | 8 | 261 | 0.004 | 11.3 | 12,629.44 | 0.61 | 475 | 474 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 571,304.38 | 2.95 |
| E08095-E08093 | 8 | 248 | 0.004 | 7.3 | 5,134.36 | 0.62 | 463 | 462 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 586,086.84 | 3.02 |
| K14001-K13013 | 8 | 319 | 0.002 | 11.2 | 10,519.57 | 0.62 | 324 | 323.4 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 400,283.87 | 2.06 |
| K11009-K11007 | 8 | 259 | 0.008 | 4 | 2,400.09 | 0.63 | 371 | 369 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 811,059.89 | 4.18 |
| E06149-E06147 | 8 | 276 | 0.011 | 4.3 | 1,424.72 | 0.62 | 491 | 488 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 962,263.24 | 4.96 |
| F13107-F13105 | 8 | 256 | 0.008 | 6.3 | 2,282.47 | 0.63 | 417 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 815,798.35 | 4.21 |
| J12055-J12053 | 8 | 451 | 0.007 | 39.3 | 2,857.83 | 0.61 | 362 | 359 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 752,766.29 | 3.88 |
| E14079-E13083 | 8 | 245 | 0.008 | 4.3 | 2,170.08 | 0.62 | 435 | 433 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 833,911.12 | 4.30 |
| G03011-G03001 | 8 | 224 | 0.009 | 6.8 | 3,657.36 | 0.62 | 493 | 491 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 872,125.12 | 4.50 |
| G13035-G13033 | 8 | 225 | 0.009 | 3.1 | 1,265.83 | 0.62 | 395 | 393 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 870,184.91 | 4.49 |
| H09017-H09015 | 8 | 391 | 0.008 | 4.7 | 2,457.62 | 0.63 | 422 | 419 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 808,462.83 | 4.17 |
| G13081-G13079 | 8 | 377 | 0.008 | 15.8 | 1,476.80 | 0.63 | 385 | 382 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 823,337.24 | 4.25 |
| H11163-H11115 | 8 | 199 | 0.01 | 12.4 | 1,899.21 | 0.63 | 372 | 370 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 925,286.59 | 4.77 |
| E03139-E03137 | 8 | 212 | 0.005 | 6 | 4,074.46 | 0.62 | 568 | 567 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 633,898.72 | 3.27 |
| E12075-E12071 | 8 | 100 | 0.005 | 5.9 | 3,717.83 | 0.61 | 415 | 414.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 652,638.68 | 3.37 |
| E05083-E05081 | 8 | 252 | 0.004 | 23.3 | 5,088.12 | 0.62 | 530 | 529 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 581,416.75 | 3.00 |
| G09093-G09091 | 8 | 43 | 0.005 | 6.6 | 3,037.45 | 0.62 | 402 | 401.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 629,460.64 | 3.25 |
| E03059-E03057 | 8 | 537 | 0.004 | 7.1 | 5,587.21 | 0.62 | 574 | 572 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 563,268.76 | 2.91 |
| J11131-J11125 | 8 | 337 | 0.006 | 8 | 3,486.61 | 0.62 | 378.92 | 377 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 696,664.16 | 3.59 |
| G09175-G09163 | 6 | 100 | 0.02 | 3.7 | 663 | 0.62 | 419 | 417 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 606,084.03 | 4.69 |
| E09065-E09063 | 8 | 290 | 0.003 | 6.5 | 4,215.04 | 0.62 | 422 | 421 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 541,986.92 | 2.80 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|--------------|----------------|-------|------------------------|-------------------|------------------------|----------------------|---------------------|--------------------------------------|--|-------------------|--------------------------------|
| E07111-E07109 | 8 | 329 | 0.003 | 7.8 | 6,540.33 | 0.62 | 484 | 482.9 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 533,686.48 | 2.75 |
| E18097-E18095 | 8 | 188 | 0.011 | 3.4 | 1,550.78 | 0.6 | 538 | 536 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 951,971.35 | 4.91 |
| F13133-F13131 | 8 | 250 | 0.004 | 6.9 | 5,461.83 | 0.62 | 409 | 408 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 583,737.78 | 3.01 |
| D17075-D17073 | 12 | 266 | 0.001 | 18.5 | 62,430.88 | 0.61 | 512.5 | 512.25 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 834,245.14 | 1.61 |
| F09055-F09053 | 8 | 298 | 0.01 | 6.7 | 1,273.80 | 0.63 | 422 | 419 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 926,062.51 | 4.78 |
| G12055-G12019 | 8 | 161 | 0.004 | 16.3 | 4,263.94 | 0.62 | 381 | 380.41 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 558,728.56 | 2.88 |
| E17055-E17046 | 8 | 186 | 0.003 | 7.7 | 6,480.86 | 0.62 | 521.98 | 521.33 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 545,617.15 | 2.81 |
| D14025-D14023 | 8 | 188 | 0.041 | 1.4 | 310.51 | 0.62 | 530.8 | 523 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,879,992.79 | 9.70 |
| D13005-D13003 | 8 | 216 | 0.005 | 11.3 | 5,009.10 | 0.62 | 424 | 423 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 628,001.86 | 3.24 |
| G07031-G07029 | 8 | 187 | 0.016 | 4.8 | 949.81 | 0.64 | 452 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,169,035.32 | 6.03 |
| G08047-G08045 | 8 | 318 | 0.006 | 4.6 | 2,098.74 | 0.62 | 437 | 435 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 731,963.20 | 3.78 |
| D05040-D05039 | 10 | 331 | 0.009 | 4 | 2,052.88 | 0.64 | 558 | 555 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,593,166.40 | 4.93 |
| E11145-E11109 | 8 | 145 | 0.007 | 39.7 | 2,790.34 | 0.63 | 415 | 414 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 766,485.26 | 3.95 |
| D18013-D18011 | 8 | 161 | 0.005 | 8 | 8,207.75 | 0.61 | 520.93 | 520.19 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 625,735.41 | 3.23 |
| F10009-F10007 | 8 | 252 | 0.004 | 6.3 | 4,590.01 | 0.63 | 415 | 414 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 581,416.75 | 3.00 |
| E02075-E02060 | 8 | 394.9 | 0.005 | 9 | 5,070.34 | 0.63 | 559.76 | 557.91 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 632,449.07 | 3.26 |
| F07073-F07071 | 8 | 240 | 0.004 | 7.2 | 5,142.41 | 0.63 | 469 | 468 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 595,774.88 | 3.07 |
| H11069-H11067 | 8 | 359 | 0.004 | 6.5 | 3,661.92 | 0.63 | 387 | 385.6 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,374.29 | 2.97 |
| E07103-E07101 | 8 | 245 | 0.004 | 7.2 | 5,163.51 | 0.63 | 483 | 482 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 589,664.20 | 3.04 |
| B01086-B01084 | 8 | 244 | 0.046 | 1.7 | 285.02 | 0.64 | 702.85 | 691.59 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,982,723.20 | 10.23 |
| E18111-E18109 | 8 | 99 | 0.01 | 3.3 | 1,854.32 | 0.64 | 540 | 539 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 927,620.23 | 4.78 |
| H05035-H05027 | 8 | 253 | 0.004 | 10.4 | 11,466.89 | 0.63 | 464 | 463 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 580,266.56 | 2.99 |
| G08039-G08037 | 8 | 142 | 0.014 | 3.1 | 839.49 | 0.63 | 439 | 437 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,095,364.43 | 5.65 |
| F04039-F04037 | 8 | 337 | 0.015 | 2.9 | 933.93 | 0.64 | 518 | 513 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,124,236.96 | 5.80 |
| G13023-G13021 | 8 | 87 | 0.023 | 2.1 | 493.4 | 0.64 | 402 | 400 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,399,404.22 | 7.22 |
| C03015-C03013 | 12 | 295 | 0.031 | 1.1 | 569 | 0.58 | 669 | 660 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 4,753,075.85 | 9.19 |
| F04081-F04079 | 8 | 66 | 0.023 | 3.8 | 622.62 | 0.64 | 524.6 | 523.08 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,400,675.83 | 7.22 |
| L14031-L14029 | 8 | 207 | 0.005 | 5.6 | 3,893.14 | 0.64 | 316 | 315 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 641,508.82 | 3.31 |
| C06039-C06035 | 8 | 249 | 0.004 | 7.9 | 4,491.85 | 0.63 | 542 | 541 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 584,908.77 | 3.02 |
| F08075-F08073 | 8 | 248 | 0.003 | 8.2 | 5,858.98 | 0.63 | 436.44 | 435.69 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 507,566.09 | 2.62 |
| J11103-J11093 | 8 | 216 | 0.005 | 6.8 | 5,197.91 | 0.62 | 374 | 373 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 628,001.86 | 3.24 |
| G09121-G09119 | 8 | 416 | 0.002 | 14.1 | 9,816.65 | 0.63 | 412 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 452,523.50 | 2.33 |
| F03017-G03057 | 8 | 356 | 0.011 | 3.7 | 1,245.24 | 0.63 | 515 | 511 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 978,346.74 | 5.05 |
| C01032-C01030 | 8 | 277.2 | 0.014 | 3.4 | 2,202.44 | 0.64 | 659.8 | 655.93 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,088,982.48 | 5.62 |
| F05131-F05129 | 8 | 265 | 0.004 | 7.1 | 5,202.44 | 0.63 | 500 | 499 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 566,976.25 | 2.92 |
| E07073-E07071 | 8 | 283 | 0.007 | 4.2 | 2,245.92 | 0.62 | 491 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 775,906.85 | 4.00 |
| J11123-J11121 | 8 | 146 | 0.014 | 3.5 | 1,398.16 | 0.65 | 382 | 380 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,080,255.23 | 5.57 |
| E14037-E14035 | 8 | 243 | 0.008 | 5.4 | 2,473.40 | 0.64 | 439 | 437 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 837,335.82 | 4.32 |
| F02087-F02086 | 8 | 270 | 0.006 | 4.8 | 2,525.76 | 0.62 | 542.6 | 541.23 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 740,215.69 | 3.82 |
| D07029-D07015 | 8 | 108 | 0.019 | 3.2 | 686.47 | 0.6 | 499 | 497 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,256,003.72 | 6.48 |
| F06003-F06001 | 8 | 247 | 0.004 | 7.2 | 5,987.02 | 0.63 | 470 | 469 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,272.05 | 3.03 |
| G13021-G13019 | 8 | 245 | 0.01 | 3 | 1,132.55 | 0.64 | 400 | 397.46 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 939,770.10 | 4.85 |
| C01048-C01046 | 8 | 300 | 0.023 | 2 | 850.13 | 0.64 | 654.93 | 647.95 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,407,845.16 | 7.26 |
| E06119-E06117 | 8 | 213 | 0.009 | 5.4 | 1,899.63 | 0.64 | 501 | 499 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 894,361.31 | 4.61 |
| D18017-D18015 | 8 | 278 | 0.004 | 7.9 | 7,923.12 | 0.63 | 523.5 | 522.27 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 613,928.74 | 3.17 |
| L13045-L13043 | 8 | 101 | 0.002 | 9.2 | 7,994.85 | 0.63 | 333.75 | 333.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 459,194.97 | 2.37 |
| H11099-H11097 | 8 | 306 | 0.003 | 7.4 | 5,031.74 | 0.64 | 379 | 378 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 527,627.10 | 2.72 |
| E06125-E06121 | 8 | 212 | 0.009 | 4.2 | 1,899.63 | 0.64 | 506 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 896,468.17 | 4.62 |
| E08085-E08083 | 8 | 247 | 0.004 | 7.6 | 5,600.07 | 0.63 | 460 | 459 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,272.05 | 3.03 |
| D12029-D12027 | 8 | 303 | 0.007 | 12.4 | 2,968.28 | 0.63 | 436 | 434 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 749,862.25 | 3.87 |
| C02045-C02043 | 8 | 140 | 0.006 | 6.9 | 5,921.39 | 0.62 | 636.9 | 636 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 740,022.70 | 3.82 |
| H13033-H13031 | 8 | 193 | 0.002 | 11.7 | 10,288.06 | 0.64 | 373.8 | 373.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 363,889.71 | 1.88 |
| E05091-E05089 | 8 | 254 | 0.004 | 23.3 | 5,594.67 | 0.63 | 533 | 532 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 579,123.18 | 2.99 |
| E19003-E19001 | 8 | 300 | 0.003 | 7.9 | 6,795.72 | 0.64 | 561.16 | 560.11 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 546,036.70 | 2.82 |
| E14083-E14089 | 8 | 356 | 0.011 | 8.8 | 1,551.65 | 0.61 | 438 | 434.01 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 977,123.05 | 5.04 |
| K10009-J10003 | 12 | 258 | 0.003 | 17.4 | 39,598.73 | 0.6 | 376.85 | 376 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,561,939.14 | 3.02 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| F04127-F04123 | 8 | 253 | 0.003 | 8.9 | 7,704.88 | 0.64 | 516.66 | 515.99 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 474,968.65 | 2.45 |
| C03013-C03011 | 12 | 286 | 0.017 | 1.7 | 1,136.63 | 0.63 | 660 | 655 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,598,044.11 | 6.96 |
| G07087-G07085 | 8 | 310 | 0.003 | 9.3 | 7,523.17 | 0.64 | 454 | 453 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 524,212.00 | 2.70 |
| E14109-E14107 | 8 | 328 | 0.006 | 5.5 | 3,406.96 | 0.63 | 444 | 442 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 720,718.85 | 3.72 |
| F09101-F09099 | 8 | 296 | 0.01 | 4.2 | 1,259.24 | 0.64 | 430 | 427 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 929,185.83 | 4.79 |
| E03007-E03003 | 8 | 257 | 0.004 | 7.6 | 6,066.17 | 0.64 | 548 | 547 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 575,733.16 | 2.97 |
| F03055-F03021 | 8 | 356 | 0.006 | 9.2 | 3,653.24 | 0.64 | 515 | 513 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 691,795.62 | 3.57 |
| E14035-F14069 | 8 | 234 | 0.004 | 7.1 | 5,552.06 | 0.64 | 437 | 436 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 603,364.67 | 3.11 |
| G13135-H13089 | 8 | 272 | 0.011 | 7.4 | 1,054.86 | 0.61 | 380 | 377 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 969,312.88 | 5.00 |
| H13031-H13029 | 8 | 192 | 0.002 | 11.8 | 10,778.21 | 0.64 | 373.5 | 373.2 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 364,836.11 | 1.88 |
| F06053-F06051 | 8 | 314 | 0.01 | 4.2 | 1,899.63 | 0.64 | 485 | 482 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 902,160.09 | 4.65 |
| D13029-D13023 | 8 | 348 | 0.006 | 9.5 | 3,673.28 | 0.64 | 428 | 426 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 699,702.11 | 3.61 |
| G13019-G13017 | 8 | 86 | 0.008 | 4.2 | 1,736.01 | 0.65 | 397.46 | 396.77 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 826,728.91 | 4.26 |
| J11147-J11085 | 8 | 360 | 0.003 | 13.9 | 10,336.33 | 0.64 | 369 | 368 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 486,448.15 | 2.51 |
| D06041-D06039 | 8 | 353 | 0.006 | 5.3 | 3,343.34 | 0.64 | 569 | 567 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 694,729.04 | 3.58 |
| G07025-G07023 | 8 | 361 | 0.007 | 7.2 | 2,849.44 | 0.64 | 450 | 447.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 768,076.03 | 3.96 |
| E11093-E11091 | 8 | 238 | 0.004 | 7.3 | 5,856.41 | 0.64 | 413 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 598,272.90 | 3.09 |
| E18007-E18005 | 12 | 297 | 0.002 | 10.2 | 24,088.43 | 0.63 | 518.5 | 518 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,116,532.26 | 2.16 |
| E04129-E04127 | 8 | 342 | 0.012 | 4 | 1,245.24 | 0.63 | 535 | 531 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 998,170.54 | 5.15 |
| C07039-C07037 | 8 | 170 | 0.018 | 2.1 | 772.59 | 0.61 | 527 | 524 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,226,094.58 | 6.32 |
| F04175-F04173 | 8 | 206 | 0.005 | 8.6 | 3,719.90 | 0.64 | 534 | 533 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 643,064.00 | 3.32 |
| D02111-D02109 | 8 | 150 | 0.015 | 0 | 0 | 0 | 594.06 | 591.82 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,127,888.55 | 5.82 |
| F04179-F04177 | 8 | 205 | 0.005 | 7.9 | 3,718.26 | 0.64 | 536 | 535 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 644,630.54 | 3.32 |
| C06107-C06105 | 8 | 300 | 0.017 | 2.6 | 774.84 | 0.65 | 543 | 538 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,191,549.76 | 6.15 |
| D11067-E11053 | 8 | 297 | 0.015 | 3.2 | 1,222.18 | 0.65 | 432 | 427.59 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,124,679.75 | 5.80 |
| C01028-C01026 | 8 | 293.1 | 0.014 | 3.5 | 2,469.80 | 0.65 | 652.11 | 647.92 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,096,267.64 | 5.65 |
| E06145-F06103 | 8 | 365 | 0.003 | 9.6 | 8,924.66 | 0.64 | 486 | 485 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 483,104.82 | 2.49 |
| G12099-H12061 | 8 | 331 | 0.006 | 10 | 2,434.16 | 0.64 | 372 | 370 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 717,445.32 | 3.70 |
| E03251-F03177 | 8 | 204 | 0.005 | 7.1 | 3,719.32 | 0.64 | 538 | 537 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 646,208.59 | 3.33 |
| L13047-L13045 | 8 | 104 | 0.002 | 9.3 | 8,136.39 | 0.63 | 334 | 333.75 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 452,523.50 | 2.33 |
| E06037-E06035 | 8 | 234 | 0.004 | 7.3 | 4,491.85 | 0.65 | 495 | 494 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 603,364.67 | 3.11 |
| F13097-F13095 | 8 | 287 | 0.007 | 4.9 | 3,068.14 | 0.64 | 414 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 770,480.86 | 3.97 |
| D14119-D14117 | 8 | 194 | 0.005 | 7.8 | 4,330.08 | 0.64 | 472 | 471 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 662,654.18 | 3.42 |
| E07147-E07145 | 8 | 337 | 0.003 | 9.2 | 8,426.55 | 0.65 | 470 | 469 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 502,774.05 | 2.59 |
| G13001-G12033 | 8 | 331 | 0.006 | 4.5 | 2,451.26 | 0.64 | 388 | 386 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 717,445.32 | 3.70 |
| E06135-E06111 | 8 | 204 | 0.005 | 8.8 | 4,697.14 | 0.64 | 495 | 494 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 646,208.59 | 3.33 |
| H06023-H06021 | 8 | 328 | 0.007 | 5.8 | 2,722.41 | 0.64 | 444.4 | 442.2 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 755,896.31 | 3.90 |
| E17003-E18049 | 8 | 265 | 0.004 | 7.7 | 6,375.54 | 0.65 | 524 | 523 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 566,976.25 | 2.92 |
| F13109-F13105 | 8 | 241 | 0.002 | 11.7 | 12,232.25 | 0.65 | 415.5 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 420,401.53 | 2.17 |
| E12133-E12131 | 8 | 217 | 0.005 | 7 | 5,546.96 | 0.65 | 408 | 407 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 626,553.18 | 3.23 |
| L13027-L13025 | 8 | 153 | 0.003 | 8.2 | 7,338.56 | 0.64 | 330 | 329.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 527,627.10 | 2.72 |
| E03005-E03003 | 8 | 135 | 0.007 | 6 | 2,559.29 | 0.64 | 548 | 547 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 794,366.50 | 4.10 |
| E02080-E02078 | 8 | 329 | 0.005 | 5.9 | 3,937.37 | 0.64 | 563 | 561.23 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 675,954.51 | 3.49 |
| E04151-E04147 | 8 | 268 | 0.011 | 4.4 | 1,533.85 | 0.62 | 539 | 536 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 976,519.76 | 5.04 |
| E07093-E07089 | 8 | 269 | 0.004 | 10.6 | 5,556.78 | 0.65 | 473 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 562,745.03 | 2.90 |
| H08015-H08005 | 8 | 333 | 0.001 | 18 | 20,748.65 | 0.65 | 427.9 | 427.44 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 343,039.88 | 1.77 |
| D16045-D16043 | 8 | 140 | 0.004 | 7.6 | 6,425.12 | 0.65 | 495 | 494.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 551,580.36 | 2.84 |
| G12043-G12041 | 8 | 226 | 0.009 | 6.1 | 1,818.09 | 0.65 | 393 | 391 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 868,257.58 | 4.48 |
| E07137-E07135 | 8 | 247 | 0.004 | 7.2 | 6,059.23 | 0.65 | 467 | 466 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,272.05 | 3.03 |
| G13065-G13063 | 8 | 198 | 0.01 | 3.4 | 1,265.83 | 0.65 | 392 | 390 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 927,620.23 | 4.78 |
| D02075-D02073 | 8 | 280 | 0.011 | 4.1 | 1,710.13 | 0.66 | 621 | 618 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 955,365.20 | 4.93 |
| J14083-J14081 | 8 | 98 | 0.005 | 5.4 | 3,523.02 | 0.65 | 340 | 339.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 659,264.62 | 3.40 |
| H11029-H11027 | 8 | 192 | 0.005 | 4.8 | 2,897.75 | 0.65 | 372 | 371 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 666,096.56 | 3.44 |
| G07061-G07059 | 8 | 350 | 0.003 | 9 | 8,225.19 | 0.65 | 457 | 456 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 493,348.47 | 2.54 |
| G10045-G10043 | 8 | 285 | 0.004 | 7.3 | 4,796.31 | 0.65 | 403 | 402 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 546,720.52 | 2.82 |
| C01034-C01032 | 8 | 184 | 0.015 | 3.3 | 2,203.39 | 0.66 | 662.49 | 659.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,112,956.23 | 5.74 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| H11155-H11153 | 8 | 284 | 0.007 | 4.4 | 2,111.20 | 0.64 | 385 | 383 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 774,539.61 | 3.99 |
| H11147-H11145 | 8 | 200 | 0.005 | 5.9 | 3,355.36 | 0.65 | 383 | 382 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 652,638.68 | 3.37 |
| F14125-F14105 | 6 | 220 | 0.014 | 23.4 | 1,242.02 | 0.66 | 437 | 434 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 500,457.42 | 3.87 |
| E18041-E18039 | 8 | 276 | 0.007 | 4.8 | 3,094.48 | 0.65 | 535 | 533 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 785,684.64 | 4.05 |
| E09063-E09061 | 8 | 267 | 0.004 | 8.4 | 4,921.25 | 0.65 | 421 | 420 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 564,848.76 | 2.91 |
| P-5580 | 10 | 0 | 0.003 | 14.7 | 33,456.53 | 0.64 | 396.62 | 395.85 | | 0.5 | 717,378.86 | 2.22 |
| J14079-J14077 | 8 | 184 | 0.005 | 7.4 | 3,391.27 | 0.64 | 339 | 338 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 680,422.86 | 3.51 |
| F04045-F04043 | 8 | 326 | 0.012 | 4.1 | 1,245.24 | 0.64 | 511 | 507 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,022,372.13 | 5.27 |
| H11079-H11077 | 8 | 330 | 0.006 | 6 | 2,904.76 | 0.65 | 382 | 380 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 718,531.54 | 3.71 |
| D08097-D08001 | 8 | 241 | 0.008 | 38.5 | 2,066.41 | 0.66 | 453 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 840,803.06 | 4.34 |
| G08077-G08075 | 8 | 270 | 0.007 | 5.3 | 2,849.44 | 0.65 | 447 | 445 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 794,366.50 | 4.10 |
| G08089-G08087 | 8 | 270 | 0.007 | 4.9 | 2,849.44 | 0.65 | 446 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 794,366.50 | 4.10 |
| D03125-E03117 | 8 | 346 | 0.009 | 4.3 | 2,544.04 | 0.66 | 584 | 581 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 859,429.75 | 4.43 |
| F04061-F04059 | 8 | 326 | 0.006 | 5.8 | 3,092.65 | 0.65 | 506 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 722,926.27 | 3.73 |
| F10039-F10001 | 10 | 256 | 0.004 | 37.3 | 7,497.10 | 0.64 | 409 | 408 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,045,910.51 | 3.24 |
| C06067-C06065 | 8 | 307 | 0.026 | 1.6 | 516.83 | 0.65 | 575 | 567 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,489,922.27 | 7.68 |
| K14087-K14085 | 8 | 328 | 0.006 | 5.3 | 3,001.40 | 0.65 | 323 | 321 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 720,718.85 | 3.72 |
| D04073-D04071 | 8 | 223 | 0.031 | 2.4 | 570.04 | 0.64 | 581 | 574 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,635,250.90 | 8.43 |
| G13067-G12063 | 8 | 331 | 0.006 | 5 | 2,655.71 | 0.66 | 387 | 385 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 717,445.32 | 3.70 |
| F04107-F04105 | 8 | 281 | 0.007 | 5.2 | 2,768.40 | 0.65 | 532 | 530 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 778,663.19 | 4.02 |
| E12097-E12095 | 8 | 326 | 0.006 | 19 | 3,718.74 | 0.66 | 407 | 405 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 722,926.27 | 3.73 |
| F06013-F06011 | 8 | 170 | 0.009 | 4.5 | 2,374.54 | 0.66 | 475.5 | 474 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 866,979.79 | 4.47 |
| G08009-G08007 | 8 | 345 | 0.003 | 13.7 | 6,703.51 | 0.66 | 433 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 496,910.60 | 2.56 |
| K11011-K11005 | 18 | 322 | 0 | 29.8 | 322,837.73 | 0.64 | 363.5 | 363.36 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 1,672,928.08 | 1.44 |
| E01033-E01031 | 8 | 329 | 0.003 | 0 | 0 | 0 | 593.17 | 592.14 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 516,426.44 | 2.66 |
| F12131-F12129 | 8 | 235 | 0.004 | 7.3 | 6,470.80 | 0.66 | 409 | 408 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 602,079.55 | 3.11 |
| F02078-F02077 | 8 | 296 | 0.006 | 6.7 | 3,454.94 | 0.65 | 538.32 | 536.65 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 686,345.15 | 3.54 |
| H13061-H13059 | 8 | 264 | 0.008 | 6.2 | 2,041.56 | 0.66 | 371 | 369 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 803,342.68 | 4.14 |
| E05169-E05149 | 8 | 345 | 0.014 | 5.5 | 1,245.24 | 0.68 | 521 | 516 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,111,125.88 | 5.73 |
| F04057-F04055 | 8 | 316 | 0.013 | 4.1 | 1,245.24 | 0.65 | 513 | 509 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,038,422.91 | 5.36 |
| D07139-D07137 | 8 | 328 | 0.003 | 9.1 | 7,305.10 | 0.66 | 496 | 495 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 509,625.19 | 2.63 |
| C07101-C07093 | 8 | 381 | 0.026 | 6.2 | 517.2 | 0.66 | 535 | 525 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,495,289.62 | 7.71 |
| J11149-J11147 | 8 | 308 | 0.003 | 9.6 | 9,062.00 | 0.66 | 370 | 369 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 525,911.24 | 2.71 |
| F13071-F13069 | 8 | 304 | 0.003 | 8.3 | 7,582.42 | 0.66 | 412 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 529,359.87 | 2.73 |
| D06051-D06049 | 8 | 164 | 0.006 | 5.9 | 3,368.88 | 0.67 | 560 | 559 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 720,718.85 | 3.72 |
| D18015-D18013 | 8 | 265 | 0.005 | 7.9 | 8,220.08 | 0.65 | 522.27 | 520.93 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 656,322.46 | 3.38 |
| E07101-E07099 | 8 | 263 | 0.004 | 8.2 | 6,996.12 | 0.66 | 482 | 481 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 569,127.97 | 2.94 |
| D05081-D05079 | 10 | 345 | 0.003 | 7.7 | 10,779.50 | 0.66 | 588 | 587 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 900,958.86 | 2.79 |
| F04027-F04025 | 12 | 351 | 0.009 | 2.6 | 2,775.41 | 0.67 | 515 | 512 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,515,773.67 | 4.87 |
| E03181-E03179 | 8 | 81 | 0.012 | 3.3 | 1,986.29 | 0.66 | 559 | 558 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,025,522.75 | 5.29 |
| C01024-C01022 | 8 | 178 | 0.016 | 3.5 | 2,462.95 | 0.66 | 645.2 | 642.35 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,167,885.42 | 6.02 |
| F04067-F04065 | 8 | 305 | 0.007 | 5.2 | 3,080.92 | 0.66 | 504 | 502 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 747,399.64 | 3.85 |
| G09115-G09105 | 8 | 225 | 0.004 | 6.6 | 3,777.72 | 0.66 | 404 | 403 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 615,313.65 | 3.17 |
| G15033-G15031 | 8 | 258 | 0.016 | 2.6 | 843.88 | 0.67 | 434 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,149,232.63 | 5.93 |
| H13053-H13051 | 8 | 264 | 0.008 | 6.3 | 2,045.23 | 0.66 | 368 | 366 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 803,342.68 | 4.14 |
| F14129-F14127 | 6 | 171 | 0.018 | 3.5 | 931.52 | 0.67 | 430 | 427 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 567,649.70 | 4.39 |
| F03051-F03049 | 8 | 363 | 0.006 | 6.6 | 3,698.73 | 0.66 | 519 | 517 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 685,092.94 | 3.53 |
| G09081-G09079 | 8 | 88 | 0.011 | 3.8 | 1,259.24 | 0.67 | 404 | 403 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 983,889.83 | 5.07 |
| G07009-G07007 | 8 | 257 | 0.008 | 5.3 | 2,849.44 | 0.66 | 455 | 453 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 814,209.65 | 4.20 |
| D03093-D03091 | 8 | 292 | 0.021 | 2.7 | 853.98 | 0.63 | 604 | 598 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,323,037.05 | 6.82 |
| E03179-E03177 | 8 | 79 | 0.013 | 3.6 | 1,980.92 | 0.65 | 558 | 557 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,038,422.91 | 5.36 |
| H11075-J11033 | 8 | 320 | 0.003 | 8.4 | 7,075.91 | 0.66 | 379 | 378 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 515,956.18 | 2.66 |
| E16081-E16079 | 8 | 210 | 0.002 | 12.2 | 13,299.82 | 0.66 | 500 | 499.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 450,363.48 | 2.32 |
| D10139-D10137 | 8 | 356 | 0.006 | 5.8 | 2,832.65 | 0.66 | 434 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 691,795.62 | 3.57 |
| F08073-G08025 | 8 | 250 | 0.003 | 9 | 7,943.87 | 0.66 | 435.69 | 435 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 484,889.02 | 2.50 |
| K08015-K09013 | 12 | 301 | 0.002 | 12 | 40,186.64 | 0.65 | 389.78 | 389.08 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,312,291.36 | 2.54 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| E18049-E18047 | 8 | 256 | 0.004 | 7.8 | 7,281.02 | 0.67 | 523 | 522 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| F03037-F03035 | 8 | 361 | 0.006 | 6 | 3,699.58 | 0.66 | 525 | 523 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 686,988.08 | 3.54 |
| F08067-F08065 | 8 | 225 | 0.004 | 6.4 | 4,190.88 | 0.65 | 441 | 440 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 615,313.65 | 3.17 |
| F12021-F12019 | 8 | 196 | 0.005 | 6 | 3,943.33 | 0.65 | 399 | 398 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 659,264.62 | 3.40 |
| G10055-G10039 | 8 | 222 | 0.005 | 11.4 | 3,777.72 | 0.67 | 402 | 401 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 619,457.22 | 3.19 |
| F16053-F16051 | 8 | 227 | 0.004 | 7.5 | 6,470.10 | 0.66 | 487 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 612,597.02 | 3.16 |
| D12005-D12003 | 8 | 187 | 0.009 | 4.6 | 2,496.50 | 0.67 | 425.7 | 424 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 880,017.82 | 4.54 |
| G14019-G14017 | 8 | 369 | 0.011 | 3.1 | 1,426.51 | 0.67 | 430 | 426 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 960,958.47 | 4.96 |
| F03029-F03027 | 8 | 363 | 0.006 | 6 | 3,707.57 | 0.66 | 522 | 520 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 685,092.94 | 3.53 |
| D02045-D02043 | 8 | 252 | 0.008 | 4.5 | 2,565.19 | 0.66 | 608 | 606 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 822,247.45 | 4.24 |
| E18039-E18037 | 8 | 143 | 0.007 | 5 | 3,702.09 | 0.68 | 533 | 532 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 771,826.68 | 3.98 |
| C01026-C01024 | 8 | 170 | 0.016 | 3.4 | 2,466.17 | 0.66 | 647.92 | 645.2 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,157,308.67 | 5.97 |
| J11157-J11155 | 8 | 265 | 0.008 | 4.8 | 3,110.68 | 0.66 | 377 | 375 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 801,825.51 | 4.14 |
| G08115-H08011 | 12 | 290 | 0.001 | 13.9 | 39,178.73 | 0.67 | 434 | 433.65 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 945,365.00 | 1.83 |
| F07163-F07161 | 8 | 131 | 0.015 | 2.8 | 1,424.72 | 0.69 | 467 | 465 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,140,426.12 | 5.88 |
| J07137-J07133 | 8 | 301 | 0.004 | 6.8 | 5,528.72 | 0.66 | 421.39 | 420.09 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 606,563.45 | 3.13 |
| E05067-E05065 | 8 | 298 | 0.003 | 22.6 | 7,697.03 | 0.67 | 524 | 523 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 534,662.44 | 2.76 |
| E03011-E03007 | 8 | 261 | 0.008 | 5.9 | 3,043.81 | 0.66 | 550 | 548 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 807,946.40 | 4.17 |
| D18049-D18047 | 12 | 300 | 0.008 | 4.6 | 7,888.68 | 0.67 | 529.31 | 526.96 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,408,450.93 | 4.66 |
| D07147-D07145 | 8 | 222 | 0.009 | 10.9 | 2,382.74 | 0.68 | 505 | 503 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 876,044.80 | 4.52 |
| G05039-G05005 | 8 | 103 | 0.01 | 8.9 | 5,031.13 | 0.67 | 472 | 471 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 909,429.83 | 4.69 |
| H08017-H08015 | 8 | 62 | 0.002 | 16.1 | 19,511.09 | 0.67 | 428 | 427.9 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 370,673.86 | 1.91 |
| E13081-E13079 | 8 | 356 | 0.006 | 11 | 4,632.10 | 0.67 | 431 | 429 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 691,795.62 | 3.57 |
| E18043-E18041 | 8 | 261 | 0.011 | 3.9 | 1,860.66 | 0.68 | 538 | 535 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 989,528.21 | 5.10 |
| G05133-G05127 | 8 | 198 | 0.01 | 4.5 | 1,860.84 | 0.68 | 491 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 927,620.23 | 4.78 |
| E18031-E18029 | 8 | 201 | 0.02 | 3.4 | 931.52 | 0.64 | 540 | 536 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,302,026.35 | 6.72 |
| E06147-E06145 | 8 | 356 | 0.006 | 7.5 | 4,252.10 | 0.67 | 488 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 691,795.62 | 3.57 |
| H11145-H11143 | 8 | 256 | 0.004 | 6.8 | 5,029.74 | 0.67 | 382 | 381 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| G04011-G04009 | 8 | 250 | 0.008 | 7.5 | 6,299.79 | 0.67 | 481 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 825,529.89 | 4.26 |
| E03071-E04103 | 8 | 334 | 0.009 | 5.1 | 2,559.29 | 0.68 | 559 | 556 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 874,732.38 | 4.51 |
| D08077-D08075 | 8 | 306 | 0.016 | 2.3 | 930.24 | 0.68 | 494 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,179,810.06 | 6.08 |
| E06127-E06113 | 8 | 210 | 0.005 | 9 | 5,603.81 | 0.67 | 496 | 495 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 636,910.14 | 3.28 |
| E18107-E18105 | 8 | 220 | 0.009 | 4.1 | 2,781.86 | 0.68 | 538 | 536 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 880,017.82 | 4.54 |
| F05147-F05145 | 8 | 194 | 0.01 | 5 | 1,856.61 | 0.68 | 504 | 502 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 937,134.53 | 4.83 |
| F14069-F14067 | 8 | 228 | 0.004 | 10.3 | 6,749.16 | 0.67 | 436 | 435 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 611,252.13 | 3.15 |
| E18055-E18051 | 8 | 368 | 0.004 | 7.9 | 7,957.05 | 0.66 | 529.8 | 528.15 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 618,024.75 | 3.19 |
| E07145-F07149 | 8 | 315 | 0.003 | 9.5 | 9,708.67 | 0.67 | 469 | 468 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 520,034.95 | 2.68 |
| F04189-F04145 | 8 | 24 | 0.042 | 13.6 | 311.31 | 0.65 | 521 | 520 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,884,005.59 | 9.72 |
| G13025-G13017 | 8 | 344 | 0.015 | 3.6 | 1,001.57 | 0.7 | 402 | 396.77 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,138,044.99 | 5.87 |
| E13093-E13075 | 8 | 185 | 0.002 | 19.9 | 18,788.46 | 0.67 | 426.32 | 426 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 383,863.60 | 1.98 |
| E02066-E02065 | 8 | 135 | 0.007 | 4.6 | 2,789.68 | 0.67 | 562.4 | 561.39 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 798,328.46 | 4.12 |
| E04165-F04179 | 8 | 200 | 0.01 | 4.4 | 1,867.86 | 0.68 | 538 | 536 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 922,970.47 | 4.76 |
| F04121-F04119 | 8 | 295 | 0.01 | 6.9 | 1,867.86 | 0.68 | 515.65 | 512.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 922,970.47 | 4.76 |
| G05119-G05117 | 8 | 253 | 0.008 | 5.4 | 2,473.09 | 0.66 | 494 | 492 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 820,620.84 | 4.23 |
| D02017-D02015 | 8 | 294 | 0.007 | 13.2 | 3,368.12 | 0.67 | 600 | 598 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 761,253.22 | 3.93 |
| E04119-F04107 | 8 | 214 | 0.009 | 4 | 2,166.40 | 0.68 | 534 | 532 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 892,269.23 | 4.60 |
| E18099-E18097 | 8 | 49 | 0.02 | 2.5 | 930.55 | 0.64 | 539 | 538 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,318,529.25 | 6.80 |
| F14097-F14095 | 8 | 221 | 0.009 | 4.4 | 2,785.19 | 0.69 | 442 | 440 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 878,024.57 | 4.53 |
| D05025-D05019 | 8 | 306 | 0.007 | 5.5 | 3,331.33 | 0.67 | 585 | 583 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 746,177.40 | 3.85 |
| F03065-F04015 | 8 | 290 | 0.007 | 5.7 | 3,083.79 | 0.68 | 521 | 519 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 766,485.26 | 3.95 |
| F16005-F16003 | 8 | 238 | 0.004 | 7.4 | 6,498.21 | 0.68 | 484 | 483 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 598,272.90 | 3.09 |
| F03073-F04019 | 8 | 290 | 0.007 | 5.7 | 3,084.06 | 0.68 | 515 | 513 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 766,485.26 | 3.95 |
| E05153-E05151 | 8 | 74 | 0.014 | 5.4 | 1,245.24 | 0.66 | 519 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,072,931.38 | 5.53 |
| E05159-E05157 | 8 | 74 | 0.014 | 4.7 | 1,245.24 | 0.66 | 521 | 520 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,072,931.38 | 5.53 |
| H05027-H05025 | 8 | 250 | 0.004 | 14.1 | 15,049.95 | 0.67 | 463 | 462 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 583,737.78 | 3.01 |
| E07149-E07147 | 8 | 266 | 0.011 | 6.1 | 1,899.63 | 0.68 | 473 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 980,184.02 | 5.06 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| C01022-C01020 | 8 | 101 | 0.016 | 4.3 | 2,729.00 | 0.69 | 642.35 | 640.71 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,159,025.69 | 5.98 |
| E11091-E11079 | 8 | 230 | 0.004 | 8.8 | 7,080.07 | 0.67 | 412 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 608,588.71 | 3.14 |
| H11093-H11091 | 8 | 310 | 0.003 | 8.5 | 6,201.53 | 0.68 | 382 | 381 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 524,212.00 | 2.70 |
| E16047-E16045 | 8 | 431 | 0.012 | 3.7 | 1,863.03 | 0.69 | 489 | 484 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 994,109.39 | 5.13 |
| H11097-J11045 | 8 | 304 | 0.003 | 8.4 | 6,699.32 | 0.68 | 378 | 377 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 529,359.87 | 2.73 |
| D05097-E05007 | 8 | 303 | 0.017 | 3 | 1,122.96 | 0.68 | 540 | 535 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,185,636.32 | 6.11 |
| E04121-E04119 | 8 | 220 | 0.014 | 3.1 | 1,245.24 | 0.67 | 537 | 534 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,077,797.31 | 5.56 |
| H06043-H06041 | 8 | 226 | 0.009 | 4.4 | 2,599.13 | 0.69 | 449 | 447 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 868,257.58 | 4.48 |
| G05069-G05067 | 8 | 253 | 0.012 | 5.4 | 3,920.49 | 0.68 | 470 | 467 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,005,051.17 | 5.18 |
| D18011-D18009 | 8 | 167 | 0.006 | 7.9 | 8,861.26 | 0.68 | 520.19 | 519.26 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 688,764.96 | 3.55 |
| E08033-E08021 | 8 | 345 | 0.003 | 9.3 | 6,887.88 | 0.68 | 449 | 448 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 496,910.60 | 2.56 |
| C02051-C02047 | 8 | 249 | 0.008 | 4.5 | 3,128.88 | 0.68 | 642 | 640 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 827,185.92 | 4.27 |
| K14041-K14039 | 8 | 259 | 0.002 | 12.6 | 13,726.11 | 0.68 | 327 | 326.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 405,529.94 | 2.09 |
| F01011-F02061 | 8 | 96 | 0.005 | 0 | 0 | 0 | 526.09 | 525.59 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 666,096.56 | 3.44 |
| E03257-E03255 | 8 | 292 | 0.014 | 3.7 | 1,245.24 | 0.67 | 545 | 541 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,080,255.23 | 5.57 |
| D13107-D13105 | 8 | 146 | 0.021 | 2 | 931.52 | 0.65 | 504 | 501 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,323,037.05 | 6.82 |
| J06079-J06077 | 8 | 72 | 0.004 | 6.7 | 5,362.49 | 0.68 | 427.25 | 426.95 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 595,774.88 | 3.07 |
| E18089-F18007 | 8 | 210 | 0.005 | 7.3 | 6,760.66 | 0.68 | 532 | 531 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 636,910.14 | 3.28 |
| E04063-E04061 | 8 | 129 | 0.008 | 4.9 | 3,071.15 | 0.68 | 550 | 549 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 812,630.19 | 4.19 |
| C07103-C07091 | 8 | 383 | 0.029 | 5.6 | 517.2 | 0.67 | 535 | 524 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,564,172.92 | 8.07 |
| D03059-D03057 | 8 | 315 | 0.016 | 3 | 1,425.10 | 0.7 | 596 | 591 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,162,833.49 | 6.00 |
| H11125-H11121 | 8 | 284 | 0.004 | 7.3 | 5,870.22 | 0.68 | 376 | 375 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 547,682.21 | 2.82 |
| D03121-D03113 | 6 | 498 | 0.006 | 8.1 | 3,583.01 | 0.68 | 580 | 577 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 332,631.83 | 2.57 |
| F18007-F18005 | 8 | 196 | 0.005 | 16.7 | 6,745.86 | 0.68 | 531 | 530 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 659,264.62 | 3.40 |
| K14045-K14043 | 8 | 246 | 0.004 | 8.5 | 6,026.06 | 0.68 | 329 | 328 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 588,464.48 | 3.03 |
| F09119-F09117 | 8 | 142 | 0.007 | 4.8 | 2,500.61 | 0.69 | 434 | 433 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 774,539.61 | 3.99 |
| D08099-D08097 | 8 | 249 | 0.008 | 3.7 | 2,071.85 | 0.67 | 455 | 453 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 827,185.92 | 4.27 |
| D07013-D07011 | 8 | 352 | 0.006 | 6.1 | 4,596.07 | 0.68 | 493 | 491 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 695,715.17 | 3.59 |
| E05171-E05149 | 8 | 72 | 0.014 | 5.5 | 1,245.24 | 0.67 | 517 | 516 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,087,731.13 | 5.61 |
| D14007-D14005 | 8 | 104 | 0.01 | 4 | 2,484.04 | 0.69 | 460 | 459 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 905,047.01 | 4.67 |
| E15019-E15017 | 8 | 208 | 0.01 | 14.4 | 2,484.04 | 0.69 | 474 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 905,047.01 | 4.67 |
| G07073-G07057 | 8 | 402 | 0.005 | 9.2 | 4,897.40 | 0.69 | 457 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 651,013.18 | 3.36 |
| E17001-E18007 | 12 | 289 | 0.002 | 9.7 | 22,285.79 | 0.67 | 519.1 | 518.5 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,239,912.97 | 2.40 |
| H11161-H11159 | 8 | 274.00 | 0.007 | 5 | 2,380.12 | 0.7 | 383 | 381 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 788,546.89 | 4.07 |
| E16073-E16071 | 8 | 255 | 0.016 | 3.3 | 1,550.89 | 0.71 | 488 | 484 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,155,973.06 | 5.96 |
| D13109-D13075 | 8 | 210 | 0.01 | 9.3 | 2,535.60 | 0.69 | 434 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 900,726.95 | 4.65 |
| F15047-F15045 | 8 | 301 | 0.007 | 4.6 | 3,042.01 | 0.68 | 446 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 752,349.36 | 3.88 |
| E07119-E07117 | 8 | 271 | 0.004 | 9.2 | 7,958.66 | 0.69 | 479 | 478 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 560,664.63 | 2.89 |
| D13007-D13005 | 8 | 124 | 0.008 | 5.6 | 3,822.56 | 0.68 | 425 | 424 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 828,851.95 | 4.27 |
| E06029-E06027 | 8 | 269 | 0.004 | 9.4 | 6,683.99 | 0.69 | 491 | 490 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 562,745.03 | 2.90 |
| D10097-D10095 | 8 | 254 | 0.012 | 4.1 | 1,378.85 | 0.69 | 457 | 454 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,003,070.77 | 5.17 |
| J11083-J11079 | 8 | 583 | 0.012 | 12.2 | 1,913.70 | 0.69 | 373 | 366 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,011,352.49 | 5.22 |
| J13001-J14121 | 8 | 294 | 0.002 | 14.6 | 15,311.68 | 0.69 | 336 | 335.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 380,626.61 | 1.96 |
| K08017-K08015 | 12 | 298 | 0.002 | 12 | 40,338.59 | 0.67 | 390.49 | 389.78 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,328,267.48 | 2.57 |
| C04083-C04081 | 8 | 165 | 0.036 | 2 | 570.04 | 0.67 | 631 | 631 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,760,035.63 | 9.08 |
| G09159-G09125 | 8 | 224 | 0.013 | 8.1 | 1,970.05 | 0.66 | 415.94 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,057,395.51 | 5.45 |
| F08059-F08057 | 8 | 198 | 0.005 | 6 | 3,775.56 | 0.69 | 444 | 443 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,926.55 | 3.38 |
| E03253-E03251 | 8 | 191 | 0.01 | 4.4 | 1,867.86 | 0.69 | 540 | 538 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 944,465.55 | 4.87 |
| F12113-F12111 | 8 | 219 | 0.005 | 7.5 | 6,780.73 | 0.68 | 405 | 404 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 623,685.65 | 3.22 |
| E08083-F08131 | 8 | 259 | 0.004 | 12.4 | 7,903.29 | 0.69 | 459 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 573,505.95 | 2.96 |
| F05099-F05097 | 8 | 286 | 0.01 | 3.7 | 1,867.86 | 0.69 | 518 | 515 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 945,290.77 | 4.88 |
| E08093-F08133 | 8 | 246 | 0.004 | 10.5 | 7,441.48 | 0.69 | 462 | 461 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 588,464.48 | 3.03 |
| F07071-F07069 | 8 | 247 | 0.004 | 8.5 | 7,452.30 | 0.69 | 468 | 467 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,272.05 | 3.03 |
| E07113-E07111 | 8 | 329 | 0.006 | 6.7 | 4,234.63 | 0.68 | 486 | 484 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 719,622.70 | 3.71 |
| E09097-E09095 | 8 | 89 | 0.006 | 5.2 | 3,656.08 | 0.68 | 425 | 424.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 691,795.62 | 3.57 |
| D14121-D14119 | 8 | 71 | 0.014 | 4.3 | 1,549.40 | 0.68 | 473 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,095,364.43 | 5.65 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| F14133-F13085 | 8 | 351 | 0.017 | 3.4 | 1,242.02 | 0.7 | 429 | 422.86 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,220,726.67 | 6.30 |
| F03197-F03195 | 8 | 249 | 0.011 | 3.8 | 1,867.86 | 0.69 | 536.11 | 533.46 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 950,256.26 | 4.90 |
| F05145-F05143 | 8 | 269 | 0.005 | 6.7 | 5,517.05 | 0.69 | 502 | 500.77 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 624,114.43 | 3.22 |
| E11095-E11093 | 8 | 88 | 0.006 | 6.6 | 5,241.09 | 0.68 | 413.5 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 695,715.17 | 3.59 |
| F15039-G15025 | 8 | 322 | 0.006 | 5.9 | 3,826.28 | 0.68 | 441.85 | 440 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 699,593.45 | 3.61 |
| E11115-E11113 | 8 | 237 | 0.008 | 47 | 3,098.64 | 0.69 | 419 | 417 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 847,868.76 | 4.37 |
| E03067-E03063 | 6 | 481 | 0.006 | 9.5 | 3,583.01 | 0.69 | 577 | 574 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 338,458.89 | 2.62 |
| D17059-D17057 | 12 | 180 | 0.001 | 16.8 | 62,286.48 | 0.68 | 511.25 | 511 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,014,140.79 | 1.96 |
| D12053-D12047 | 8 | 175 | 0.007 | 8 | 4,149.81 | 0.7 | 441.55 | 440.3 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 780,052.42 | 4.02 |
| F13137-F13135 | 8 | 243 | 0.008 | 4.8 | 3,003.98 | 0.68 | 413 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 837,335.82 | 4.32 |
| E07131-E07129 | 8 | 247 | 0.004 | 8.2 | 7,074.32 | 0.69 | 478 | 477 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,272.05 | 3.03 |
| F03011-F03009 | 8 | 352 | 0.011 | 3.6 | 1,849.09 | 0.7 | 524 | 520 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 983,889.83 | 5.07 |
| G05027-G05009 | 8 | 297 | 0.017 | 8.7 | 2,610.77 | 0.7 | 478 | 473 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,197,552.56 | 6.18 |
| D19011-D19009 | 8 | 300 | 0.006 | 6.9 | 6,721.20 | 0.68 | 558.01 | 556.26 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 703,758.39 | 3.63 |
| G08105-G08103 | 8 | 68 | 0.004 | 8.9 | 8,991.44 | 0.69 | 426.64 | 426.4 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 548,326.17 | 2.83 |
| E12121-E12119 | 8 | 137 | 0.007 | 5.7 | 3,713.37 | 0.7 | 412 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 788,546.89 | 4.07 |
| E12131-E12129 | 8 | 209 | 0.005 | 7.7 | 6,773.51 | 0.68 | 407 | 406 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 638,432.03 | 3.29 |
| C01036-C01034 | 8 | 300 | 0.014 | 3.3 | 2,223.34 | 0.67 | 666.74 | 662.49 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,096,728.24 | 5.66 |
| E19004-E19003 | 8 | 300 | 0.004 | 7.7 | 6,831.12 | 0.69 | 562.39 | 561.16 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 590,006.93 | 3.04 |
| J11093-J11091 | 8 | 191 | 0.005 | 7.9 | 6,583.40 | 0.7 | 373 | 372 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 667,838.00 | 3.44 |
| D01071-D01069 | 8 | 224 | 0.005 | 0 | 0 | 0 | 607.64 | 606.45 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 672,724.55 | 3.47 |
| D07141-D08071 | 8 | 246 | 0.004 | 8 | 7,827.98 | 0.69 | 487 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 588,464.48 | 3.03 |
| G13017-G13011 | 8 | 135 | 0.006 | 5.1 | 3,316.58 | 0.69 | 396.77 | 396 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 697,053.78 | 3.60 |
| C01030-C01028 | 8 | 266.6 | 0.014 | 3.5 | 2,471.33 | 0.67 | 655.93 | 652.11 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,101,925.14 | 5.68 |
| E04163-F04175 | 8 | 186 | 0.011 | 4.4 | 1,867.86 | 0.7 | 536 | 534 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 957,075.80 | 4.94 |
| F15051-F15049 | 8 | 308 | 0.01 | 4 | 1,837.88 | 0.7 | 450 | 447 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 910,904.98 | 4.70 |
| F12093-F12091 | 8 | 257 | 0.004 | 8.8 | 8,598.06 | 0.69 | 405 | 404 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 575,733.16 | 2.97 |
| E10027-E09099 | 8 | 185 | 0.005 | 5.3 | 3,666.02 | 0.71 | 429 | 428 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 678,581.39 | 3.50 |
| F16051-F16019 | 8 | 218 | 0.005 | 17.9 | 7,383.41 | 0.69 | 486 | 485 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 625,114.48 | 3.22 |
| E04117-F04105 | 8 | 240 | 0.013 | 4.5 | 1,556.55 | 0.7 | 533 | 530 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,031,912.36 | 5.32 |
| E18013-E18011 | 8 | 172 | 0.026 | 2 | 931.52 | 0.71 | 534.5 | 530 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,492,896.98 | 7.70 |
| E11075-E11073 | 10 | 288 | 0.003 | 33.9 | 16,274.94 | 0.69 | 410 | 409.23 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 865,293.87 | 2.68 |
| D16047-D16043 | 8 | 160 | 0.009 | 5.8 | 2,794.55 | 0.71 | 496 | 494.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 893,662.32 | 4.61 |
| G12057-G12055 | 8 | 333 | 0.006 | 5.6 | 3,260.43 | 0.69 | 383 | 381 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 715,287.59 | 3.69 |
| E11051-E11047 | 8 | 195 | 0.005 | 6.7 | 5,652.97 | 0.7 | 423 | 422 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 660,952.88 | 3.41 |
| D07149-D07147 | 8 | 231 | 0.009 | 3.9 | 2,441.72 | 0.69 | 507 | 505 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 858,809.45 | 4.43 |
| K08019-K08017 | 12 | 300 | 0.002 | 12 | 40,480.65 | 0.68 | 391.19 | 390.49 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,314,476.69 | 2.54 |
| D12017-D12011 | 8 | 401 | 0.012 | 11 | 1,867.27 | 0.71 | 426 | 421 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,030,624.88 | 5.32 |
| E04149-E04147 | 8 | 159 | 0.013 | 4.3 | 1,556.55 | 0.71 | 538 | 536 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,035,152.28 | 5.34 |
| F09127-F09125 | 8 | 233 | 0.009 | 4.3 | 2,096.92 | 0.69 | 433 | 431 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 855,115.63 | 4.41 |
| E16085-E16083 | 8 | 299 | 0.003 | 9.8 | 9,655.46 | 0.7 | 502 | 501 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 533,767.61 | 2.75 |
| E08079-E08077 | 12 | 383 | 0.005 | 6.9 | 6,822.75 | 0.7 | 460 | 458 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,966,437.32 | 3.80 |
| F14013-F14011 | 8 | 209 | 0.014 | 3.2 | 1,220.91 | 0.68 | 443 | 440 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,105,796.70 | 5.70 |
| F05001-F06157 | 10 | 302 | 0.003 | 7.1 | 9,961.77 | 0.7 | 498 | 497 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 962,966.19 | 2.98 |
| D02073-D02071 | 8 | 280 | 0.007 | 5 | 3,701.87 | 0.69 | 618 | 616 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 780,052.42 | 4.02 |
| H12055-H12019 | 8 | 406 | 0.01 | 31.5 | 1,664.86 | 0.7 | 373 | 368.87 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 930,893.11 | 4.80 |
| C06049-D06041 | 8 | 224 | 0.018 | 3.6 | 1,122.96 | 0.71 | 573 | 569 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,233,371.17 | 6.36 |
| C07055-C07053 | 8 | 298 | 0.007 | 9.6 | 4,012.83 | 0.7 | 515 | 513 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 756,126.87 | 3.90 |
| G14091-G14089 | 8 | 295 | 0.01 | 3.6 | 1,666.07 | 0.7 | 418 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 930,759.39 | 4.80 |
| F07107-F07105 | 8 | 331 | 0.003 | 11.1 | 11,537.28 | 0.7 | 481 | 480 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 507,310.45 | 2.62 |
| F03185-F03183 | 8 | 259 | 0.004 | 8.2 | 6,735.85 | 0.7 | 531.52 | 530.47 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,668.72 | 3.03 |
| E13055-E13047 | 8 | 238 | 0.008 | 5.5 | 3,095.67 | 0.69 | 421 | 419 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 846,085.64 | 4.36 |
| F07123-F07121 | 8 | 194 | 0.003 | 11.9 | 13,411.54 | 0.69 | 477 | 476.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 468,567.26 | 2.42 |
| D08101-E08063 | 8 | 324 | 0.003 | 12.8 | 8,986.13 | 0.7 | 468 | 467 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 512,761.37 | 2.64 |
| G07065-G07063 | 8 | 209 | 0.01 | 5.3 | 2,468.55 | 0.71 | 461 | 459 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 902,879.23 | 4.66 |
| F06093-F06091 | 8 | 67 | 0.01 | 4.1 | 2,823.08 | 0.71 | 494.79 | 494.14 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 909,090.43 | 4.69 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| E07105-E07103 | 8 | 246 | 0.008 | 5.6 | 3,302.95 | 0.69 | 485 | 483 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 832,214.45 | 4.29 |
| E14033-E14031 | 8 | 191 | 0.005 | 7.5 | 5,572.27 | 0.7 | 453 | 452 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 667,838.00 | 3.44 |
| E16089-E16085 | 8 | 288 | 0.007 | 7.3 | 4,324.34 | 0.7 | 504 | 502 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 769,142.06 | 3.97 |
| E08011-E08009 | 8 | 310 | 0.013 | 3.2 | 1,368.93 | 0.71 | 459 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,048,424.00 | 5.41 |
| C07089-C07087 | 8 | 383 | 0.031 | 6.6 | 517.2 | 0.69 | 534 | 522 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,633,725.33 | 8.43 |
| H12075-H12073 | 8 | 359 | 0.007 | 6.4 | 4,257.53 | 0.7 | 367.54 | 365 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 776,349.79 | 4.00 |
| E12119-E12115 | 8 | 187 | 0.005 | 7.5 | 5,568.94 | 0.71 | 411 | 410 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 674,942.85 | 3.48 |
| D16077-D16075 | 8 | 194 | 0.005 | 7.4 | 5,541.40 | 0.7 | 482 | 481 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 662,654.18 | 3.42 |
| E16051-E16049 | 8 | 276.00 | 0.014 | 3.7 | 1,552.53 | 0.69 | 486 | 482 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,111,125.88 | 5.73 |
| F14127-F14051 | 6 | 200 | 0.015 | 27.1 | 1,549.65 | 0.72 | 427 | 424 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 524,884.17 | 4.06 |
| G10065-G10063 | 8 | 281 | 0.004 | 9.4 | 5,995.45 | 0.7 | 398 | 397 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 550,598.02 | 2.84 |
| K14003-K14001 | 8 | 305 | 0.003 | 10 | 8,447.00 | 0.7 | 325 | 324 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 528,491.35 | 2.73 |
| H11045-H11043 | 8 | 371 | 0.008 | 4.3 | 2,560.18 | 0.69 | 383 | 380 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 829,968.25 | 4.28 |
| G13007-G13005 | 8 | 187 | 0.011 | 5 | 1,632.33 | 0.71 | 395 | 393 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 954,513.34 | 4.92 |
| K15029-K15027 | 8 | 344 | 0.006 | 8.9 | 3,963.31 | 0.7 | 322 | 320 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 703,758.39 | 3.63 |
| G08133-H08029 | 6 | 405 | 0.002 | 15.7 | 11,418.69 | 0.7 | 431 | 430 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 212,956.22 | 1.65 |
| E04055-E04053 | 8 | 408 | 0.007 | 5.8 | 3,583.01 | 0.7 | 554 | 551 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 791,440.65 | 4.08 |
| D04019-D05067 | 8 | 284 | 0.007 | 7.4 | 3,984.09 | 0.7 | 602 | 600 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 774,539.61 | 3.99 |
| F08051-F08049 | 8 | 392 | 0.003 | 9.5 | 8,633.79 | 0.7 | 447 | 446 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 466,170.49 | 2.40 |
| E18093-E18091 | 8 | 201 | 0.005 | 7.1 | 6,480.30 | 0.7 | 534 | 533 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 651,013.18 | 3.36 |
| F07121-F07119 | 8 | 199 | 0.003 | 12.2 | 14,717.38 | 0.7 | 476.5 | 476 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 462,643.29 | 2.39 |
| C07037-C07035 | 8 | 159 | 0.019 | 2.5 | 1,029.76 | 0.71 | 524 | 521 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,267,797.45 | 6.54 |
| G09091-G09075 | 8 | 256 | 0.003 | 11.3 | 7,230.81 | 0.7 | 401.8 | 401 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 515,956.18 | 2.66 |
| L13103-L13019 | 10 | 309 | 0.003 | 100 | 330,262.71 | 0.71 | 325 | 324 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 951,996.32 | 2.95 |
| E18091-E18089 | 8 | 190 | 0.005 | 7.1 | 6,463.73 | 0.71 | 533 | 532 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 669,593.16 | 3.45 |
| F07095-F07093 | 8 | 262 | 0.003 | 10.8 | 11,971.31 | 0.7 | 479.8 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 510,014.07 | 2.63 |
| F17045-F17043 | 8 | 259 | 0.003 | 10.9 | 12,549.15 | 0.7 | 518.55 | 517.65 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 544,075.51 | 2.81 |
| F06151-F06149 | 8 | 224 | 0.004 | 9.3 | 6,553.13 | 0.71 | 492 | 491 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 616,685.59 | 3.18 |
| E15087-E15085 | 8 | 394 | 0.008 | 6 | 3,716.83 | 0.72 | 473 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 805,379.04 | 4.15 |
| D03111-E03061 | 8 | 340 | 0.015 | 3.4 | 1,535.58 | 0.69 | 583 | 578 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,119,266.10 | 5.77 |
| G14017-G14015 | 8 | 361 | 0.011 | 3.4 | 1,827.25 | 0.71 | 426 | 422 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 971,547.87 | 5.01 |
| E05155-E05151 | 8 | 343 | 0.017 | 5.3 | 1,245.24 | 0.73 | 524 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,220,720.88 | 6.30 |
| G07029-G07027 | 8 | 225 | 0.004 | 7.5 | 7,039.85 | 0.71 | 449 | 448 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 615,313.65 | 3.17 |
| E12129-E12127 | 8 | 229 | 0.004 | 8.1 | 8,309.77 | 0.71 | 406 | 405 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 609,916.06 | 3.15 |
| J11163-J12081 | 12 | 272 | 0.006 | 4.6 | 6,414.73 | 0.71 | 362 | 360.44 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,060,830.84 | 3.99 |
| G05021-G05011 | 8 | 287 | 0.017 | 8.4 | 2,959.61 | 0.73 | 479 | 474 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,218,237.21 | 6.28 |
| C07059-C07057 | 8 | 252 | 0.012 | 3.7 | 2,050.46 | 0.71 | 521 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,007,043.35 | 5.19 |
| D18051-D18049 | 12 | 300 | 0.008 | 4.2 | 7,899.96 | 0.69 | 531.7 | 529.31 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,424,823.88 | 4.69 |
| G10033-G10031 | 8 | 222 | 0.005 | 16.9 | 4,678.50 | 0.71 | 400 | 399 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 619,457.22 | 3.19 |
| F03163-F03085 | 8 | 20 | 0.05 | 13 | 311.31 | 0.7 | 526 | 525 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,063,824.72 | 10.64 |
| F04191-F04141 | 8 | 20 | 0.05 | 13 | 311.31 | 0.7 | 519 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,063,824.72 | 10.64 |
| F12091-F12089 | 8 | 259 | 0.004 | 9.3 | 9,813.82 | 0.71 | 404 | 403 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 573,505.95 | 2.96 |
| E07129-E07127 | 8 | 267 | 0.004 | 9.5 | 8,888.87 | 0.71 | 477 | 476 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 564,848.76 | 2.91 |
| E08025-E08023 | 15 | 342 | 0.007 | 2.5 | 4,015.13 | 0.72 | 453.5 | 451 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,218,403.81 | 5.44 |
| C04053-C04027 | 8 | 120 | 0.008 | 7.5 | 3,414.30 | 0.7 | 657 | 656 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 842,552.91 | 4.35 |
| C04077-C04075 | 8 | 298 | 0.017 | 2.7 | 1,423.99 | 0.71 | 637 | 632 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,195,541.56 | 6.17 |
| D08091-D08089 | 8 | 332 | 0.009 | 3.8 | 2,204.77 | 0.7 | 470 | 467 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 877,363.16 | 4.52 |
| D09083-D09081 | 8 | 197 | 0.005 | 10.7 | 4,214.89 | 0.7 | 455 | 454 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 657,589.23 | 3.39 |
| C02069-C02067 | 8 | 200 | 0.01 | 4.5 | 2,846.99 | 0.72 | 634 | 632 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 922,970.47 | 4.76 |
| D11029-D11027 | 8 | 211 | 0.004 | 9.6 | 5,435.26 | 0.71 | 474.72 | 473.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 609,453.38 | 3.14 |
| H13083-H13065 | 8 | 382 | 0.013 | 5.1 | 1,265.83 | 0.72 | 377 | 372 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,055,944.59 | 5.45 |
| E03081-E03079 | 8 | 266 | 0.015 | 3.7 | 1,535.58 | 0.7 | 560 | 556 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,131,819.01 | 5.84 |
| F13021-F13019 | 8 | 257 | 0.012 | 3.9 | 1,536.27 | 0.72 | 406 | 403 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 997,199.09 | 5.14 |
| F03001-G03017 | 8 | 342 | 0.012 | 4 | 1,867.86 | 0.72 | 511 | 507 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 998,170.54 | 5.15 |
| E18095-E18093 | 8 | 179 | 0.011 | 5.4 | 2,476.93 | 0.72 | 536 | 534 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 975,610.10 | 5.03 |
| J08033-J08031 | 10 | 188 | 0.003 | 14.2 | 33,300.52 | 0.69 | 395.36 | 394.87 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 854,345.67 | 2.64 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| E11027-E11025 | 8 | 407 | 0.01 | 5.1 | 2,889.93 | 0.73 | 414 | 410 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 914,998.96 | 4.72 |
| F14099-F14097 | 8 | 219 | 0.014 | 3.6 | 1,860.05 | 0.69 | 445 | 442 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,080,255.23 | 5.57 |
| L14079-L14075 | 8 | 171 | 0.003 | 10.8 | 9,025.22 | 0.71 | 314 | 313.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 499,085.27 | 2.57 |
| D15043-D15039 | 8 | 155 | 0.019 | 2.8 | 1,242.02 | 0.72 | 464 | 461 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,284,051.92 | 6.62 |
| E05163-E05161 | 8 | 74 | 0.014 | 3.7 | 1,556.55 | 0.73 | 524 | 523 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,072,931.38 | 5.53 |
| L13037-L13035 | 8 | 128 | 0.004 | 8 | 7,555.20 | 0.71 | 332 | 331.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| D07041-D07039 | 8 | 275 | 0.011 | 3.6 | 2,225.71 | 0.72 | 498 | 495 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 964,011.22 | 4.97 |
| J11165-J11163 | 12 | 318 | 0.013 | 3.1 | 2,469.46 | 0.7 | 366 | 362 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,051,974.73 | 5.90 |
| E14047-E14109 | 8 | 329 | 0.015 | 3.9 | 1,552.53 | 0.7 | 449 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,137,823.40 | 5.87 |
| G10029-G10027 | 8 | 110 | 0.009 | 13.4 | 2,187.44 | 0.72 | 399 | 398 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 880,017.82 | 4.54 |
| D04049-E04013 | 8 | 563 | 0.012 | 4.2 | 2,047.43 | 0.72 | 564 | 557 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,029,159.36 | 5.31 |
| E14031-E14029 | 8 | 255 | 0.004 | 8.8 | 8,661.44 | 0.72 | 452 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 577,986.53 | 2.98 |
| K08021-K08019 | 12 | 204 | 0.002 | 12 | 40,571.27 | 0.69 | 391.67 | 391.19 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,319,988.15 | 2.55 |
| G08037-G08035 | 8 | 247 | 0.008 | 4.7 | 2,517.73 | 0.73 | 437 | 435 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 830,528.10 | 4.28 |
| E04007-E04005 | 6 | 150 | 0.02 | 4.2 | 1,023.72 | 0.73 | 557 | 554 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 606,084.03 | 4.69 |
| D02009-D02007 | 8 | 234 | 0.009 | 5.8 | 3,196.23 | 0.71 | 601 | 599 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 853,286.50 | 4.40 |
| G04127-G04111 | 8 | 300 | 0.003 | 10.3 | 10,255.37 | 0.71 | 494 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 532,877.25 | 2.75 |
| G09109-G09107 | 8 | 95 | 0.005 | 5.9 | 4,190.91 | 0.72 | 404 | 403.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 669,593.16 | 3.45 |
| K09013-K09011 | 12 | 300 | 0.003 | 11.2 | 40,020.47 | 0.7 | 389.08 | 388.16 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,506,946.33 | 2.91 |
| D12055-D12053 | 8 | 39 | 0.008 | 5.2 | 4,151.70 | 0.73 | 441.86 | 441.55 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 822,879.70 | 4.24 |
| G07003-G07001 | 8 | 397 | 0.01 | 4.8 | 2,845.81 | 0.73 | 452 | 448 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 926,451.20 | 4.78 |
| E02065-E02064 | 8 | 269 | 0.007 | 7 | 3,723.91 | 0.72 | 561.39 | 559.45 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 783,813.13 | 4.04 |
| D16073-E16009 | 8 | 289 | 0.003 | 9.6 | 10,331.67 | 0.72 | 480 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 542,923.81 | 2.80 |
| G09079-G09077 | 8 | 160 | 0.006 | 7.5 | 3,357.32 | 0.72 | 403 | 402 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 729,672.23 | 3.76 |
| E13083-E13081 | 8 | 243 | 0.008 | 5.4 | 3,713.20 | 0.73 | 433 | 431 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 837,335.82 | 4.32 |
| C03005-C03003 | 8 | 237 | 0.021 | 2.6 | 1,098.18 | 0.73 | 654 | 649 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,340,598.21 | 6.91 |
| D01069-D01067 | 8 | 362 | 0.003 | 0 | 0 | 0 | 606.45 | 605.36 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 506,461.89 | 2.61 |
| F04035-F04033 | 8 | 301 | 0.01 | 4.1 | 2,757.53 | 0.73 | 511 | 508 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 921,436.02 | 4.75 |
| F01013-F01011 | 8 | 113 | 0.006 | 0 | 0 | 0 | 526.76 | 526.09 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 710,699.46 | 3.67 |
| E05129-F05085 | 8 | 262 | 0.008 | 4.9 | 3,392.66 | 0.72 | 522 | 520 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 806,403.05 | 4.16 |
| P-5579 | 8 | 0 | 0.002 | 14.6 | 16,436.42 | 0.57 | 509.99 | 509 | | 0.3 | 358,431.20 | 1.85 |
| J08031-J08029 | 10 | 190 | 0.003 | 13.5 | 33,361.30 | 0.69 | 395.85 | 395.36 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 849,837.22 | 2.63 |
| E14107-E14105 | 8 | 324 | 0.006 | 6.1 | 5,251.43 | 0.72 | 442 | 439.98 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 728,770.84 | 3.76 |
| J12021-J12013 | 21 | 297 | 0 | 47.6 | 791,786.34 | 0.43 | 359.06 | 359 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 1,720,138.28 | 1.11 |
| F04049-F04047 | 8 | 327 | 0.009 | 5.4 | 2,781.21 | 0.72 | 512 | 509 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 884,045.38 | 4.56 |
| E18047-E18019 | 8 | 103 | 0.005 | 9.6 | 7,878.21 | 0.72 | 522 | 521.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 643,064.00 | 3.32 |
| D04109-D04107 | 8 | 171 | 0.029 | 3.7 | 880.2 | 0.74 | 588 | 583 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,578,246.21 | 8.14 |
| H12069-J12045 | 8 | 353 | 0.006 | 9.6 | 7,245.75 | 0.72 | 363 | 361 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 694,729.04 | 3.58 |
| F03179-F03177 | 8 | 262 | 0.004 | 8.5 | 7,977.14 | 0.72 | 538 | 537 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 570,213.06 | 2.94 |
| H10003-H10001 | 12 | 700 | 0.001 | 14.4 | 45,780.50 | 0.71 | 383 | 382 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,028,526.48 | 1.99 |
| D14029-D14027 | 8 | 219 | 0.005 | 8 | 7,425.27 | 0.72 | 450 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 623,685.65 | 3.22 |
| F02090-F03155 | 8 | 296 | 0.005 | 8.1 | 5,431.16 | 0.72 | 541.46 | 540 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 659,449.01 | 3.40 |
| C02041-C02013 | 8 | 254 | 0.004 | 14.9 | 11,900.49 | 0.72 | 633.02 | 632 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 584,885.74 | 3.02 |
| K14039-K14037 | 8 | 224 | 0.002 | 12.6 | 14,821.27 | 0.72 | 326.5 | 326 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 436,062.56 | 2.25 |
| F07069-F07067 | 8 | 263 | 0.004 | 20.5 | 9,739.87 | 0.72 | 467 | 466 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 569,127.97 | 2.94 |
| F09003-F09001 | 8 | 355 | 0.008 | 4.6 | 3,144.51 | 0.72 | 421.69 | 419 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 803,433.19 | 4.14 |
| J11139-J11087 | 8 | 112 | 0.009 | 11.4 | 3,879.74 | 0.72 | 370 | 369 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 872,125.12 | 4.50 |
| E06071-E06069 | 8 | 259 | 0.008 | 6 | 3,368.88 | 0.72 | 517 | 515 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 811,059.89 | 4.18 |
| H04035-H04029 | 8 | 253 | 0.008 | 7.5 | 8,145.46 | 0.73 | 472 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 820,620.84 | 4.23 |
| E06103-E06101 | 8 | 181 | 0.011 | 5 | 2,245.92 | 0.73 | 498 | 496 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 970,205.02 | 5.00 |
| C10015-C10013 | 8 | 270 | 0.007 | 6.6 | 2,963.69 | 0.73 | 459 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 794,366.50 | 4.10 |
| E17013-E17011 | 8 | 240 | 0.004 | 9.1 | 8,432.90 | 0.73 | 506 | 505 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 595,774.88 | 3.07 |
| F03005-G03047 | 8 | 254 | 0.008 | 8.5 | 3,655.95 | 0.73 | 515 | 513 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 819,003.86 | 4.22 |
| E16083-E16081 | 8 | 303 | 0.003 | 11.1 | 11,789.14 | 0.72 | 501 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 530,232.68 | 2.73 |
| E17036-F17045 | 8 | 259 | 0.004 | 10.5 | 12,577.26 | 0.72 | 519.46 | 518.55 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 547,089.80 | 2.82 |
| E11151-E11061 | 8 | 326 | 0.003 | 43.6 | 14,834.83 | 0.73 | 403 | 402.16 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 468,509.77 | 2.42 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| K08023-K08021 | 12 | 205 | 0.002 | 12 | 40,656.47 | 0.7 | 392.15 | 391.67 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,316,764.73 | 2.55 |
| J12069-J12065 | 8 | 263 | 0.008 | 13.5 | 4,555.56 | 0.72 | 364 | 362 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 804,868.50 | 4.15 |
| F08065-F08063 | 8 | 226 | 0.004 | 7.5 | 5,862.68 | 0.73 | 440 | 439 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 613,950.83 | 3.17 |
| G05015-G05013 | 8 | 317 | 0.013 | 7.6 | 4,719.34 | 0.73 | 480 | 476 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,036,783.73 | 5.35 |
| L14033-L14031 | 8 | 321 | 0.006 | 5.5 | 4,088.73 | 0.72 | 318 | 316 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 728,534.78 | 3.76 |
| H06041-H06029 | 8 | 217 | 0.008 | 4.7 | 3,478.27 | 0.73 | 447 | 445.25 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 828,851.95 | 4.27 |
| G07015-F07021 | 8 | 303 | 0.007 | 9.1 | 4,702.49 | 0.72 | 458 | 456 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 749,862.25 | 3.87 |
| G13129-G13123 | 8 | 100 | 0.02 | 3.4 | 843.88 | 0.74 | 380 | 378 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,305,277.36 | 6.73 |
| F07153-F07151 | 8 | 317 | 0.009 | 5.2 | 2,849.44 | 0.72 | 466 | 463 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 897,881.05 | 4.63 |
| J14121-J14119 | 8 | 296 | 0.002 | 16.5 | 19,510.29 | 0.73 | 335.5 | 335 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 379,338.53 | 1.96 |
| E14095-E14093 | 8 | 250 | 0.004 | 11.1 | 9,256.38 | 0.73 | 436 | 434.98 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 589,546.26 | 3.04 |
| E06097-E06095 | 8 | 310 | 0.006 | 6.5 | 4,491.85 | 0.74 | 495 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 741,347.72 | 3.82 |
| J11109-J11107 | 8 | 30 | 0.011 | 4.9 | 3,137.24 | 0.74 | 376.12 | 375.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 953,239.80 | 4.92 |
| G04135-G05107 | 8 | 311 | 0.006 | 9 | 4,579.12 | 0.72 | 500 | 498 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 740,154.89 | 3.82 |
| F14119-F14117 | 8 | 252 | 0.012 | 4 | 2,476.68 | 0.73 | 447 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,007,043.35 | 5.19 |
| E13007-E12037 | 8 | 304 | 0.003 | 10.5 | 12,143.87 | 0.73 | 419 | 418 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 529,359.87 | 2.73 |
| D04119-D04117 | 6 | 121 | 0.017 | 3.8 | 1,483.53 | 0.75 | 572 | 570 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 550,985.48 | 4.26 |
| H11091-J11043 | 8 | 340 | 0.003 | 10.1 | 9,084.24 | 0.72 | 381 | 380 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 500,551.02 | 2.58 |
| E17015-E17013 | 8 | 251 | 0.004 | 8.4 | 8,467.46 | 0.73 | 507 | 506 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 582,573.80 | 3.00 |
| F13017-F13013 | 8 | 261 | 0.008 | 4.7 | 3,156.94 | 0.72 | 402 | 400 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 807,946.40 | 4.17 |
| E05041-E05039 | 8 | 421 | 0.005 | 8.8 | 7,129.51 | 0.73 | 534 | 532 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 636,153.26 | 3.28 |
| E09001-F09043 | 8 | 365 | 0.003 | 10.2 | 9,229.32 | 0.73 | 443 | 442 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 483,104.82 | 2.49 |
| D09009-E09041 | 8 | 301 | 0.007 | 5 | 3,449.85 | 0.73 | 446 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 752,349.36 | 3.88 |
| E14055-E14053 | 8 | 333 | 0.009 | 5.6 | 3,411.39 | 0.73 | 448 | 445 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 876,044.80 | 4.52 |
| E09011-E09009 | 10 | 406 | 0.002 | 29 | 15,903.48 | 0.74 | 434 | 433 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 830,522.67 | 2.57 |
| G08125-G08123 | 8 | 328 | 0.003 | 11.1 | 11,879.05 | 0.72 | 439 | 438 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 509,625.19 | 2.63 |
| D07047-D07041 | 8 | 379 | 0.018 | 3 | 1,371.76 | 0.75 | 505 | 498 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,254,345.63 | 6.47 |
| F12089-F12087 | 8 | 252 | 0.004 | 9.5 | 11,029.32 | 0.73 | 403 | 402 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 581,416.75 | 3.00 |
| G07005-G07003 | 8 | 55 | 0.018 | 3.3 | 1,424.72 | 0.73 | 453 | 452 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,244,533.13 | 6.42 |
| J11045-J11029 | 8 | 296 | 0.003 | 26.3 | 8,780.94 | 0.73 | 377 | 376 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 536,465.69 | 2.77 |
| G03045-G03043 | 8 | 158 | 0.013 | 7.6 | 1,867.86 | 0.74 | 513 | 511 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,038,422.91 | 5.36 |
| H14027-H14025 | 8 | 36 | 0.003 | 8.7 | 8,394.18 | 0.73 | 395.01 | 394.89 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 532,877.25 | 2.75 |
| E17059-E17057 | 8 | 198 | 0.005 | 7.1 | 6,518.08 | 0.74 | 524 | 523 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,926.55 | 3.38 |
| E16069-E16067 | 8 | 254 | 0.007 | 6 | 4,458.52 | 0.73 | 501.73 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 761,717.62 | 3.93 |
| E11141-E11111 | 8 | 306 | 0.007 | 39.4 | 4,956.64 | 0.73 | 418 | 416 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 746,177.40 | 3.85 |
| E04125-E04123 | 8 | 116 | 0.009 | 5.3 | 3,364.32 | 0.72 | 530 | 529 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 856,956.57 | 4.42 |
| F13095-F13093 | 8 | 254 | 0.008 | 5.3 | 4,295.56 | 0.73 | 412 | 410 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 819,003.86 | 4.22 |
| D16041-D16039 | 8 | 130 | 0.008 | 6.9 | 4,036.57 | 0.74 | 495 | 494 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 809,498.65 | 4.17 |
| D01043-D01041 | 8 | 297 | 0.013 | 3.9 | 1,995.15 | 0.74 | 632 | 628 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,071,123.58 | 5.52 |
| E14029-E14027 | 8 | 252 | 0.004 | 9.1 | 9,872.50 | 0.74 | 451 | 450 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 581,416.75 | 3.00 |
| G04109-G04107 | 12 | 299 | 0.007 | 3.7 | 5,759.44 | 0.74 | 504 | 502 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,225,583.55 | 4.30 |
| E05063-E05061 | 8 | 442 | 0.011 | 4.8 | 2,559.29 | 0.74 | 537 | 532 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 981,661.31 | 5.06 |
| F13135-F13133 | 8 | 255 | 0.008 | 6 | 4,234.29 | 0.73 | 411 | 409 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 817,396.39 | 4.22 |
| E09053-E09051 | 8 | 216 | 0.009 | 3.8 | 2,387.72 | 0.73 | 444 | 442 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 888,128.75 | 4.58 |
| J15027-J15025 | 8 | 105 | 0.01 | 4.8 | 2,591.73 | 0.73 | 333 | 332 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 900,726.95 | 4.65 |
| J11125-J11119 | 8 | 321 | 0.003 | 11.9 | 12,744.28 | 0.73 | 377 | 376 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 515,151.88 | 2.66 |
| K14067-K14065 | 8 | 253 | 0.004 | 8.6 | 7,784.32 | 0.74 | 333 | 332 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 580,266.56 | 2.99 |
| G05011-G05009 | 8 | 260 | 0.004 | 13.6 | 21,254.83 | 0.73 | 474 | 473 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 572,401.99 | 2.95 |
| E11013-D11055 | 8 | 116 | 0.009 | 4.6 | 2,518.48 | 0.75 | 433 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 856,956.57 | 4.42 |
| E04103-E04101 | 8 | 335 | 0.006 | 6.5 | 5,603.49 | 0.74 | 556 | 554 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 713,149.20 | 3.68 |
| F07043-F07041 | 8 | 210 | 0.014 | 5.2 | 1,899.63 | 0.75 | 467 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,103,160.71 | 5.69 |
| G08103-G09151 | 8 | 136 | 0.004 | 8.5 | 9,029.46 | 0.74 | 426.4 | 425.82 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 602,743.24 | 3.11 |
| E18033-E18029 | 8 | 189 | 0.021 | 3.5 | 1,242.02 | 0.75 | 540 | 536 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,342,724.46 | 6.93 |
| F05085-F05083 | 8 | 262 | 0.008 | 6.2 | 3,979.38 | 0.74 | 520 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 806,403.05 | 4.16 |
| D09011-D09009 | 8 | 286 | 0.014 | 3.8 | 1,448.65 | 0.75 | 450 | 446 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,091,527.76 | 5.63 |
| F08063-G08023 | 8 | 260 | 0.004 | 8.8 | 7,531.47 | 0.74 | 439 | 438 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 572,401.99 | 2.95 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|--------------|----------------|-------|------------------------|-------------------|------------------------|----------------------|---------------------|---|--|-------------------|--------------------------------|
| E18103-E18093 | 8 | 94 | 0.011 | 5.7 | 3,392.69 | 0.75 | 535 | 534 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 951,971.35 | 4.91 |
| G04133-G04131 | 8 | 311 | 0.006 | 6 | 5,144.75 | 0.73 | 501 | 499 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 740,154.89 | 3.82 |
| L13035-L13031 | 8 | 112 | 0.004 | 7.7 | 7,417.42 | 0.74 | 331.5 | 331 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 616,685.59 | 3.18 |
| E06107-E06105 | 8 | 257 | 0.012 | 5 | 2,245.92 | 0.74 | 500 | 497 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 997,199.09 | 5.14 |
| F12137-F12135 | 8 | 248 | 0.004 | 9.5 | 10,972.73 | 0.74 | 402 | 401 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 586,086.84 | 3.02 |
| H10001-J10007 | 12 | 610 | 0.002 | 19.4 | 47,917.50 | 0.73 | 382 | 381 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,101,791.91 | 2.13 |
| H13025-H13023 | 8 | 141 | 0.002 | 13.4 | 14,558.93 | 0.74 | 372.6 | 372.3 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 425,734.53 | 2.20 |
| D03091-D03089 | 8 | 307 | 0.013 | 3.8 | 2,276.20 | 0.75 | 598 | 594 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,053,534.14 | 5.43 |
| H11085-J11037 | 8 | 321 | 0.003 | 10.1 | 8,912.87 | 0.73 | 379 | 378 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 515,151.88 | 2.66 |
| C02055-C02051 | 8 | 252 | 0.016 | 3.7 | 1,708.66 | 0.73 | 646 | 642 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,162,833.49 | 6.00 |
| E12051-E12049 | 8 | 328 | 0.003 | 20.2 | 13,795.85 | 0.73 | 417 | 416 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 509,625.19 | 2.63 |
| C03035-C04069 | 8 | 246 | 0.016 | 2.9 | 1,706.53 | 0.73 | 689 | 685 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,176,928.96 | 6.07 |
| J11061-H11115 | 8 | 563 | 0.008 | 12.9 | 2,938.23 | 0.75 | 374.38 | 370 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 814,086.71 | 4.20 |
| E17057-E17055 | 8 | 186 | 0.005 | 7.3 | 6,497.45 | 0.74 | 523 | 521.98 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 683,488.83 | 3.53 |
| H07021-H07019 | 8 | 287 | 0.016 | 6.1 | 1,357.54 | 0.73 | 445 | 440.31 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,179,867.61 | 6.09 |
| D02061-D02059 | 8 | 197 | 0.005 | 12.6 | 7,652.18 | 0.74 | 610 | 609 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 657,589.23 | 3.39 |
| G04059-G04057 | 8 | 253 | 0.008 | 8.1 | 9,231.06 | 0.74 | 488 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 820,620.84 | 4.23 |
| F12127-F12125 | 8 | 215 | 0.005 | 8.4 | 9,229.52 | 0.74 | 406 | 405 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 629,460.64 | 3.25 |
| G10043-G10041 | 8 | 131 | 0.004 | 7.9 | 7,305.86 | 0.74 | 402 | 401.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 570,213.06 | 2.94 |
| H05063-H05001 | 8 | 176 | 0.011 | 14.1 | 2,594.56 | 0.75 | 445 | 443 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 983,889.83 | 5.07 |
| J06093-J06091 | 8 | 106 | 0.035 | 1.9 | 640.78 | 0.74 | 434.39 | 430.66 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,731,367.62 | 8.93 |
| E03121-E03119 | 8 | 312 | 0.01 | 6.9 | 3,071.15 | 0.73 | 575 | 572 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 905,047.01 | 4.67 |
| E17038-E17036 | 8 | 258 | 0.004 | 10.5 | 12,609.28 | 0.74 | 520.38 | 519.46 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 551,152.61 | 2.84 |
| F01015-F01013 | 8 | 118 | 0.006 | 0 | 0 | 0 | 527.52 | 526.76 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 740,719.20 | 3.82 |
| G12075-G12073 | 8 | 338 | 0.006 | 5.8 | 3,898.71 | 0.75 | 388 | 386 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 709,977.29 | 3.66 |
| J14061-J14059 | 8 | 207 | 0.005 | 6.9 | 6,075.61 | 0.75 | 338 | 337 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 641,508.82 | 3.31 |
| F07051-F07049 | 8 | 207 | 0.019 | 3.6 | 1,424.72 | 0.75 | 470 | 466 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,283,017.65 | 6.62 |
| H06063-H06061 | 8 | 315 | 0.006 | 6.8 | 4,963.68 | 0.75 | 446.2 | 444.4 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 697,700.10 | 3.60 |
| E14113-E14111 | 8 | 259 | 0.012 | 4.1 | 2,788.27 | 0.75 | 443 | 440 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 993,341.44 | 5.12 |
| D11015-D11013 | 8 | 108 | 0.009 | 9.5 | 2,515.97 | 0.74 | 449 | 448 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 888,128.75 | 4.58 |
| H12013-H12005 | 15 | 1,078.00 | 0.002 | 46.1 | 565,601.19 | 0.78 | 364 | 362 | Corrugated HDPE 12-15 inch (Corrugated Interior)-Circular-15 inch | 1.2 | 1,298,724.39 | 1.67 |
| F12111-F12109 | 8 | 192 | 0.005 | 7.7 | 8,004.53 | 0.75 | 404 | 403 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 666,096.56 | 3.44 |
| E14053-E14051 | 8 | 343 | 0.006 | 6.9 | 6,188.49 | 0.75 | 445 | 443 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 704,783.53 | 3.63 |
| D12003-D12001 | 8 | 252 | 0.008 | 5.6 | 4,351.57 | 0.75 | 424 | 422 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 822,247.45 | 4.24 |
| D12057-D12055 | 8 | 193 | 0.008 | 5.1 | 4,161.91 | 0.76 | 443.5 | 441.86 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 850,807.04 | 4.39 |
| E07099-F07097 | 8 | 229 | 0.004 | 9.9 | 9,280.01 | 0.75 | 481 | 480 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 609,916.06 | 3.15 |
| E18009-E17001 | 12 | 161 | 0.003 | 8.8 | 21,063.01 | 0.75 | 519.56 | 519.1 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,454,556.10 | 2.81 |
| K08001-J08065 | 10 | 301 | 0.003 | 15.3 | 40,224.07 | 0.74 | 393.38 | 392.44 | Vitrified Clay Pipe-Circular-8 inch | 0.5 | 791,306.11 | 2.45 |
| E14101-E14099 | 8 | 239 | 0.013 | 4.9 | 2,480.08 | 0.75 | 440 | 437 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,034,068.92 | 5.33 |
| E03259-F03181 | 8 | 213 | 0.014 | 3.5 | 1,851.88 | 0.76 | 543 | 540 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,095,364.43 | 5.65 |
| E09013-E09011 | 10 | 381 | 0.003 | 9.3 | 14,552.69 | 0.74 | 435 | 434 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 857,337.90 | 2.65 |
| F04013-F04011 | 8 | 309 | 0.006 | 6 | 4,900.94 | 0.74 | 522 | 520 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 742,546.35 | 3.83 |
| D14005-D14003 | 8 | 92 | 0.011 | 5.6 | 3,100.64 | 0.76 | 459 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 962,263.24 | 4.96 |
| G09097-G10051 | 8 | 261 | 0.002 | 13.7 | 16,298.18 | 0.75 | 402 | 401.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 403,973.20 | 2.08 |
| D04117-D04115 | 8 | 206 | 0.019 | 3.5 | 1,478.44 | 0.75 | 570 | 566 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,286,128.00 | 6.63 |
| D03133-E03131 | 8 | 337 | 0.012 | 5 | 2,559.29 | 0.76 | 584 | 580 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,005,548.11 | 5.19 |
| F06005-F06003 | 8 | 160 | 0.006 | 6.8 | 6,028.37 | 0.75 | 471 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 729,672.23 | 3.76 |
| E14125-E14123 | 8 | 249 | 0.008 | 5.9 | 4,333.02 | 0.75 | 432 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 827,185.92 | 4.27 |
| F16011-F16005 | 8 | 163 | 0.012 | 5.5 | 2,484.04 | 0.75 | 486 | 484 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,022,372.13 | 5.27 |
| E11153-E11151 | 8 | 324 | 0.003 | 11.5 | 12,403.89 | 0.74 | 404 | 403 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 512,761.37 | 2.64 |
| E18001-D18007 | 12 | 298 | 0.002 | 13.2 | 41,748.59 | 0.74 | 516.5 | 516 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,114,657.31 | 2.16 |
| E07117-F07123 | 8 | 284 | 0.004 | 10.9 | 11,654.33 | 0.75 | 478 | 477 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 547,682.21 | 2.82 |
| E13087-E13085 | 8 | 90 | 0.022 | 9.6 | 1,242.02 | 0.76 | 432 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,375,883.14 | 7.10 |
| J08079-J08077 | 10 | 301 | 0.003 | 14.1 | 33,530.89 | 0.73 | 397.4 | 396.62 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 851,880.27 | 2.64 |
| E18017-E18015 | 12 | 161 | 0.003 | 7.8 | 18,627.13 | 0.75 | 521 | 520.5 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,516,479.56 | 2.93 |
| E02051-E02049 | 8 | 215 | 0.006 | 0 | 0 | 0 | 589.98 | 588.69 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 714,929.85 | 3.69 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| F04017-F04007 | 8 | 304 | 0.007 | 7.6 | 4,902.26 | 0.74 | 517 | 515 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 748,627.91 | 3.86 |
| F08091-F08089 | 8 | 247 | 0.008 | 29.5 | 4,238.54 | 0.75 | 449 | 447 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 830,528.10 | 4.28 |
| E11023-E11021 | 8 | 390 | 0.005 | 7.7 | 7,810.70 | 0.75 | 407 | 405 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 660,952.88 | 3.41 |
| G03021-G03019 | 8 | 365 | 0.005 | 18 | 5,844.54 | 0.75 | 503 | 501 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 683,213.40 | 3.52 |
| F05159-F05125 | 8 | 266 | 0.011 | 8.1 | 2,485.79 | 0.77 | 496 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 980,184.02 | 5.06 |
| F04041-F05011 | 8 | 305 | 0.007 | 8.7 | 4,903.72 | 0.74 | 506 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 747,399.64 | 3.85 |
| D06047-D06045 | 8 | 316 | 0.003 | 10.1 | 10,995.41 | 0.75 | 557 | 556 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 519,211.46 | 2.68 |
| E12171-E12169 | 8 | 256 | 0.004 | 9.8 | 11,546.26 | 0.75 | 412 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| G04061-G04059 | 8 | 252 | 0.008 | 7.5 | 9,343.73 | 0.76 | 490 | 488 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 822,247.45 | 4.24 |
| C03011-C03009 | 12 | 287 | 0.017 | 2.2 | 2,271.91 | 0.75 | 655 | 650 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,591,770.27 | 6.95 |
| D08069-D08055 | 10 | 298 | 0.005 | 7 | 9,752.56 | 0.75 | 484.5 | 483 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,187,276.87 | 3.67 |
| F08057-F08055 | 8 | 199 | 0.005 | 7.1 | 5,449.77 | 0.76 | 443 | 442 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 654,276.42 | 3.37 |
| G08023-G08013 | 8 | 318 | 0.003 | 12 | 10,033.83 | 0.75 | 438 | 437 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 517,576.14 | 2.67 |
| G04069-H04035 | 8 | 247 | 0.012 | 6.2 | 5,622.10 | 0.76 | 475 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,017,185.03 | 5.25 |
| G14015-G14013 | 8 | 332 | 0.012 | 3.7 | 2,220.49 | 0.76 | 422 | 418 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,013,091.71 | 5.22 |
| G09141-G09139 | 8 | 482 | 0.004 | 9.3 | 10,730.09 | 0.75 | 420 | 418 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 594,537.55 | 3.07 |
| F03035-F03033 | 8 | 366 | 0.005 | 7.3 | 6,132.15 | 0.75 | 523 | 521 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 682,279.41 | 3.52 |
| J13003-J13001 | 8 | 222 | 0.005 | 10.6 | 6,948.22 | 0.76 | 337 | 336 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 619,457.22 | 3.19 |
| G14003-G14001 | 8 | 172 | 0.012 | 6.5 | 1,898.74 | 0.77 | 408 | 406 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 995,264.66 | 5.13 |
| L13029-L13027 | 8 | 99 | 0.005 | 7.9 | 7,355.93 | 0.76 | 330.5 | 330 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,926.55 | 3.38 |
| D16055-D16005 | 8 | 359 | 0.006 | 13.4 | 6,730.90 | 0.76 | 488 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 688,899.04 | 3.55 |
| G14079-G14077 | 8 | 258 | 0.013 | 4 | 1,676.43 | 0.76 | 427 | 423.74 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,037,496.77 | 5.35 |
| C07027-C07025 | 8 | 170 | 0.012 | 3.9 | 2,651.48 | 0.77 | 515 | 513 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,001,102.04 | 5.16 |
| F04065-F05007 | 8 | 304 | 0.007 | 9.4 | 4,908.01 | 0.77 | 502 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 748,627.91 | 3.86 |
| F03027-F03025 | 8 | 364 | 0.005 | 8.7 | 6,137.32 | 0.76 | 520 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 684,151.23 | 3.53 |
| D16053-D16011 | 8 | 149 | 0.007 | 16 | 5,278.59 | 0.77 | 490 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 756,126.87 | 3.90 |
| F08053-G08021 | 8 | 300 | 0.003 | 9.7 | 9,209.60 | 0.75 | 441 | 440 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 532,877.25 | 2.75 |
| D12059-D12057 | 8 | 194 | 0.008 | 5.1 | 4,173.45 | 0.76 | 445.14 | 443.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 848,611.41 | 4.38 |
| F13117-F12119 | 8 | 202 | 0.015 | 4.3 | 2,167.31 | 0.77 | 413 | 410 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,124,793.38 | 5.80 |
| D02041-D02031 | 8 | 353 | 0.014 | 6.2 | 2,275.20 | 0.77 | 624 | 619 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,098,463.06 | 5.67 |
| H13073-H13071 | 12 | 241 | 0.003 | 6.3 | 11,628.06 | 0.77 | 376 | 375.32 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,445,474.50 | 2.80 |
| E18003-E18001 | 12 | 298 | 0.002 | 13.2 | 40,844.97 | 0.76 | 517 | 516.5 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,114,657.31 | 2.16 |
| H09001-H10029 | 8 | 347 | 0.006 | 6.3 | 4,447.17 | 0.76 | 401 | 399 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 700,709.60 | 3.61 |
| F04195-F04183 | 8 | 0 | 0.008 | 9.3 | 3,726.18 | 0.77 | 528.84 | 527.54 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 831,954.34 | 4.29 |
| E11079-E11075 | 10 | 251 | 0.004 | 8.7 | 13,519.47 | 0.76 | 411 | 410 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,056,276.57 | 3.27 |
| H12053-H12051 | 8 | 224 | 0.01 | 3.8 | 2,079.15 | 0.75 | 368.38 | 366.1 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 931,174.82 | 4.80 |
| G05007-G05005 | 8 | 285 | 0.004 | 15.3 | 27,585.22 | 0.76 | 472 | 471 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 546,720.52 | 2.82 |
| D08087-D08085 | 8 | 326 | 0.009 | 4.4 | 3,305.37 | 0.77 | 463 | 460 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 885,400.24 | 4.57 |
| G12073-G12071 | 8 | 190 | 0.005 | 10.9 | 5,306.28 | 0.76 | 386 | 385 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 669,593.16 | 3.45 |
| D10051-D10049 | 8 | 158 | 0.006 | 5.6 | 4,136.55 | 0.77 | 470 | 469 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 734,275.88 | 3.79 |
| G07063-G07061 | 8 | 352 | 0.006 | 7.8 | 6,122.22 | 0.76 | 459 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 695,715.17 | 3.59 |
| G15001-G14019 | 8 | 199 | 0.015 | 2.8 | 1,426.62 | 0.77 | 433 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,133,240.00 | 5.84 |
| F07105-F07103 | 8 | 323 | 0.003 | 12.5 | 15,163.90 | 0.76 | 480 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 513,554.51 | 2.65 |
| D13093-D13091 | 8 | 214 | 0.023 | 3 | 1,242.02 | 0.78 | 455 | 450 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,410,801.53 | 7.28 |
| E05165-E05161 | 8 | 343 | 0.02 | 3.4 | 1,245.24 | 0.77 | 530 | 523 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,318,529.25 | 6.80 |
| G09107-G09105 | 8 | 90 | 0.006 | 6.8 | 5,027.95 | 0.76 | 403.5 | 403 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 687,941.57 | 3.55 |
| F10083-F10081 | 8 | 265 | 0.008 | 5.2 | 3,263.70 | 0.76 | 412 | 410 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 801,825.51 | 4.14 |
| D11071-D12059 | 8 | 131 | 0.008 | 5.1 | 4,181.89 | 0.77 | 446.24 | 445.14 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 845,762.65 | 4.36 |
| E18019-E18017 | 12 | 152 | 0.003 | 7.7 | 18,032.82 | 0.76 | 521.5 | 521 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,560,729.74 | 3.02 |
| J08083-J08081 | 10 | 272 | 0.003 | 13.5 | 32,917.64 | 0.76 | 398.87 | 398.17 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 848,944.07 | 2.63 |
| F03009-F03007 | 8 | 339 | 0.012 | 3.9 | 2,756.00 | 0.78 | 520 | 516 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,002,577.50 | 5.17 |
| F05151-F05145 | 8 | 260 | 0.012 | 5.3 | 2,768.63 | 0.78 | 505 | 502 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 991,429.33 | 5.11 |
| G05009-G05007 | 8 | 254 | 0.004 | 14.6 | 24,259.14 | 0.76 | 473 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 579,123.18 | 2.99 |
| E04061-E04059 | 8 | 264 | 0.008 | 6 | 4,594.35 | 0.76 | 549 | 547 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 803,342.68 | 4.14 |
| F13013-F12021 | 8 | 131 | 0.008 | 5.2 | 3,752.28 | 0.75 | 400 | 399 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 806,403.05 | 4.16 |
| F02074-F02072 | 8 | 216.6 | 0.008 | 5 | 3,823.26 | 0.76 | 537.79 | 536.24 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 804,523.20 | 4.15 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| F09117-F09115 | 8 | 306 | 0.007 | 6.3 | 4,177.41 | 0.78 | 433 | 431 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 746,177.40 | 3.85 |
| K09003-K09001 | 12 | 301 | 0.005 | 11 | 39,722.68 | 0.74 | 379.69 | 378.26 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,875,639.06 | 3.63 |
| J08081-J08079 | 10 | 294 | 0.003 | 13.5 | 33,592.81 | 0.76 | 398.17 | 397.4 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 856,418.83 | 2.65 |
| D15061-D15059 | 8 | 34 | 0.01 | 5.3 | 3,498.43 | 0.77 | 494.04 | 493.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 922,970.47 | 4.76 |
| E14027-E15029 | 8 | 227 | 0.004 | 21.2 | 10,774.59 | 0.77 | 450 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 612,597.02 | 3.16 |
| G03017-G03015 | 8 | 353 | 0.008 | 5.2 | 3,707.49 | 0.77 | 507 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 850,865.83 | 4.39 |
| C05023-D05091 | 8 | 286 | 0.017 | 3 | 1,708.75 | 0.76 | 606 | 601 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,220,365.14 | 6.29 |
| L13031-L13029 | 8 | 97 | 0.005 | 7.5 | 7,373.07 | 0.77 | 331 | 330.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 662,654.18 | 3.42 |
| D18001-D17075 | 12 | 308 | 0.002 | 17.4 | 62,535.90 | 0.76 | 513 | 512.5 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,096,412.91 | 2.12 |
| J15017-J15015 | 8 | 280 | 0.004 | 10 | 9,618.13 | 0.77 | 344 | 343 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 551,580.36 | 2.84 |
| F04131-F04129 | 8 | 302 | 0.017 | 3.8 | 1,556.55 | 0.74 | 524.01 | 519 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,188,784.68 | 6.13 |
| H14021-H13001 | 8 | 257 | 0.004 | 13.1 | 9,041.54 | 0.77 | 393 | 392 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 575,733.16 | 2.97 |
| E05043-E05041 | 8 | 435 | 0.011 | 5.8 | 3,071.15 | 0.79 | 539 | 534 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 989,528.21 | 5.10 |
| F06115-F06113 | 10 | 230 | 0.002 | 13.1 | 28,561.78 | 0.76 | 481.5 | 481 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 780,253.26 | 2.41 |
| F12123-F12121 | 8 | 228 | 0.004 | 9.6 | 11,672.88 | 0.77 | 403 | 402 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 611,252.13 | 3.15 |
| F04077-F04075 | 8 | 167 | 0.009 | 5.5 | 3,965.93 | 0.77 | 522.85 | 521.4 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 860,029.94 | 4.44 |
| F07057-F07055 | 8 | 296 | 0.005 | 8.6 | 9,961.12 | 0.77 | 467.5 | 466 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 657,033.60 | 3.39 |
| G08031-G08029 | 8 | 246 | 0.004 | 8.1 | 7,955.86 | 0.77 | 431 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 588,464.48 | 3.03 |
| E03105-E03103 | 8 | 211 | 0.005 | 11.1 | 9,508.97 | 0.76 | 569 | 568 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 635,399.08 | 3.28 |
| F05033-F05031 | 8 | 307 | 0.01 | 34 | 3,127.82 | 0.76 | 500 | 497 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 912,387.33 | 4.71 |
| E07121-E07119 | 8 | 273 | 0.007 | 7.1 | 5,170.02 | 0.77 | 481 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 789,989.80 | 4.07 |
| G03061-G03059 | 8 | 351 | 0.009 | 5.1 | 3,711.01 | 0.77 | 510 | 507 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 853,286.50 | 4.40 |
| H11141-H11139 | 8 | 259 | 0.004 | 10.6 | 9,194.34 | 0.77 | 377 | 376 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 573,505.95 | 2.96 |
| G03057-G03055 | 8 | 351 | 0.009 | 5.1 | 3,713.49 | 0.77 | 511 | 508 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 853,286.50 | 4.40 |
| C03061-C03059 | 8 | 280 | 0.025 | 2.4 | 1,140.08 | 0.79 | 643 | 636 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,459,344.45 | 7.53 |
| F15137-F15135 | 8 | 160 | 0.013 | 5 | 2,792.87 | 0.78 | 459 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,031,912.36 | 5.32 |
| D10095-D09023 | 8 | 305 | 0.007 | 10.7 | 4,114.07 | 0.77 | 454 | 452 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 747,399.64 | 3.85 |
| D13111-D13065 | 10 | 222 | 0.011 | 6.8 | 3,346.60 | 0.79 | 432 | 429.5 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,775,857.14 | 5.50 |
| G13125-G13123 | 8 | 277 | 0.01 | 4.3 | 2,244.93 | 0.76 | 380.9 | 378 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 944,380.31 | 4.87 |
| J15029-J15027 | 8 | 93 | 0.011 | 3.9 | 2,625.76 | 0.77 | 334 | 333 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 957,075.80 | 4.94 |
| H06015-H06013 | 8 | 139 | 0.014 | 15.2 | 2,114.56 | 0.78 | 443 | 441 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,107,121.81 | 5.71 |
| F05035-F05033 | 8 | 179 | 0.017 | 3.5 | 1,579.56 | 0.75 | 503 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,194,873.47 | 6.16 |
| E12167-E12165 | 8 | 249 | 0.004 | 10.5 | 13,357.39 | 0.77 | 409 | 408 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 584,908.77 | 3.02 |
| E12135-E12133 | 8 | 224 | 0.009 | 6 | 4,627.08 | 0.77 | 410 | 408 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 872,125.12 | 4.50 |
| F07041-F07039 | 8 | 335 | 0.006 | 9 | 7,399.53 | 0.77 | 464 | 462 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 713,149.20 | 3.68 |
| E06031-E06029 | 6 | 260 | 0.012 | 7.6 | 2,245.92 | 0.77 | 494 | 491 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 460,353.87 | 3.56 |
| E12165-E12163 | 8 | 247 | 0.004 | 10.8 | 13,950.02 | 0.77 | 408 | 407 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,272.05 | 3.03 |
| G08087-G08069 | 8 | 239 | 0.008 | 40.2 | 4,708.79 | 0.79 | 444 | 442 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 844,313.74 | 4.35 |
| F05013-F05011 | 8 | 260 | 0.004 | 10.6 | 10,921.72 | 0.77 | 505 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 572,401.99 | 2.95 |
| F14037-F14031 | 8 | 386 | 0.014 | 3.7 | 1,833.05 | 0.78 | 441 | 435.61 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,090,657.87 | 5.62 |
| F07161-F07159 | 8 | 59 | 0.017 | 4.1 | 1,890.39 | 0.75 | 465 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,201,605.21 | 6.20 |
| F18015-F18013 | 8 | 329 | 0.006 | 6.9 | 6,805.30 | 0.77 | 538 | 536 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 719,622.70 | 3.71 |
| G07085-G07083 | 8 | 270 | 0.004 | 11 | 12,566.15 | 0.78 | 453 | 452 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 561,701.94 | 2.90 |
| E03061-E03059 | 8 | 327 | 0.012 | 5.5 | 3,055.20 | 0.79 | 578 | 574 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,020,807.67 | 5.26 |
| D13073-D13071 | 8 | 256 | 0.002 | 17.9 | 28,395.28 | 0.78 | 431 | 430.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 407,899.17 | 2.10 |
| D15033-D14001 | 8 | 233 | 0.004 | 10.1 | 10,468.49 | 0.78 | 458 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 604,658.06 | 3.12 |
| E05039-E05037 | 8 | 269 | 0.004 | 10.5 | 12,297.08 | 0.78 | 532 | 531 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 562,745.03 | 2.90 |
| F03192-F03191 | 8 | 202 | 0.012 | 3.9 | 2,490.48 | 0.79 | 536.52 | 534.05 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,020,611.83 | 5.26 |
| E04107-E04105 | 8 | 277 | 0.011 | 12 | 3,071.15 | 0.77 | 553 | 550 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 960,524.73 | 4.95 |
| D13031-D13029 | 8 | 101 | 0.01 | 4.9 | 3,678.95 | 0.77 | 429 | 428 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 918,389.95 | 4.74 |
| G08005-G08003 | 8 | 390 | 0.01 | 4.6 | 2,518.48 | 0.78 | 441 | 437 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 934,728.53 | 4.82 |
| D01045-D02057 | 8 | 249 | 0.012 | 10.1 | 3,087.76 | 0.79 | 611 | 608 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,013,091.71 | 5.22 |
| E13105-E13103 | 8 | 316 | 0.006 | 9.5 | 6,103.99 | 0.78 | 432 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 734,275.88 | 3.79 |
| D07017-D07015 | 8 | 281 | 0.011 | 4.4 | 3,157.41 | 0.77 | 500 | 497 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 953,663.75 | 4.92 |
| D02103-D02101 | 8 | 162 | 0.006 | 8.7 | 6,559.76 | 0.78 | 618 | 617 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 725,154.09 | 3.74 |
| F06117-F06115 | 10 | 229 | 0.002 | 13 | 28,342.57 | 0.78 | 482 | 481.5 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 781,955.02 | 2.42 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| G13123-H13087 | 8 | 271 | 0.007 | 9 | 3,669.50 | 0.78 | 378 | 376 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 792,899.53 | 4.09 |
| L14075-L14053 | 8 | 197 | 0.003 | 50.6 | 14,934.67 | 0.78 | 313.5 | 313 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 464,985.81 | 2.40 |
| E12163-E12161 | 8 | 249 | 0.004 | 11.2 | 14,855.00 | 0.78 | 407 | 406 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 584,908.77 | 3.02 |
| H11159-H11157 | 8 | 335 | 0.006 | 6.3 | 4,894.81 | 0.78 | 381 | 379 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 713,149.20 | 3.68 |
| D03115-D03113 | 8 | 207 | 0.01 | 5.8 | 4,061.55 | 0.8 | 579 | 577 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 907,230.48 | 4.68 |
| L13023-L13021 | 8 | 166 | 0.006 | 7.1 | 7,294.49 | 0.77 | 329 | 328 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 716,364.02 | 3.69 |
| E06035-E06033 | 8 | 231 | 0.004 | 16.7 | 8,867.56 | 0.78 | 494 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 607,269.99 | 3.13 |
| H13045-H13043 | 6 | 39 | 0.008 | 7.4 | 2,899.73 | 0.79 | 373.5 | 373.2 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 375,877.36 | 2.91 |
| L13039-L13037 | 8 | 101 | 0.005 | 7.8 | 7,656.75 | 0.78 | 332.5 | 332 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 649,399.76 | 3.35 |
| C07057-C07055 | 8 | 254 | 0.012 | 4.7 | 3,075.69 | 0.79 | 518 | 515 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,003,070.77 | 5.17 |
| F07145-F07143 | 8 | 318 | 0.013 | 5.2 | 2,849.44 | 0.79 | 468 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,035,152.28 | 5.34 |
| H11123-H11121 | 8 | 337 | 0.018 | 4.8 | 1,259.24 | 0.77 | 381 | 375 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,231,539.89 | 6.35 |
| H07025-H07023 | 12 | 258 | 0.003 | 7.8 | 17,058.13 | 0.78 | 436.77 | 436 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,486,620.12 | 2.88 |
| D02035-D02033 | 8 | 251 | 0.008 | 8.7 | 4,834.07 | 0.77 | 622 | 620 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 823,883.76 | 4.25 |
| D14027-D13047 | 8 | 202 | 0.005 | 8.3 | 9,265.45 | 0.79 | 449 | 448 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 649,399.76 | 3.35 |
| G13033-G13031 | 8 | 162 | 0.012 | 11.3 | 2,057.85 | 0.8 | 393 | 391 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,025,522.75 | 5.29 |
| C07025-C07023 | 8 | 167 | 0.012 | 8.8 | 2,992.07 | 0.8 | 513 | 511 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,010,053.95 | 5.21 |
| F13123-F12131 | 8 | 233 | 0.009 | 6.5 | 5,241.98 | 0.79 | 411 | 409 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 855,115.63 | 4.41 |
| F02084-F02082 | 8 | 216 | 0.006 | 6.4 | 5,575.19 | 0.79 | 540.4 | 539.1 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 738,603.68 | 3.81 |
| F06051-F07103 | 8 | 330 | 0.009 | 9.1 | 4,241.76 | 0.78 | 482 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 880,017.82 | 4.54 |
| D03057-D03055 | 8 | 260 | 0.015 | 17.8 | 2,277.26 | 0.79 | 591 | 587 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,144,803.98 | 5.90 |
| D14125-D14119 | 8 | 67 | 0.015 | 4.6 | 2,474.06 | 0.79 | 473 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,127,587.90 | 5.82 |
| G07023-G08097 | 8 | 128 | 0.004 | 10.1 | 12,113.34 | 0.78 | 447.5 | 447 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| E15027-E15001 | 8 | 192 | 0.016 | 16.7 | 2,173.54 | 0.8 | 458 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,153,713.09 | 5.95 |
| E18069-E18067 | 8 | 260 | 0.007 | 6.5 | 5,899.60 | 0.79 | 547.75 | 546.02 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 752,877.27 | 3.88 |
| F12019-F12017 | 8 | 232 | 0.006 | 12.3 | 5,820.16 | 0.79 | 398 | 396.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 690,900.47 | 3.56 |
| C06061-C06059 | 8 | 293 | 0.017 | 4.6 | 1,630.44 | 0.76 | 546 | 541 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,205,699.27 | 6.22 |
| J08065-J08063 | 10 | 301 | 0.003 | 15.1 | 39,701.56 | 0.78 | 394.14 | 393.38 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 840,887.81 | 2.60 |
| H06057-H06055 | 8 | 350 | 0.006 | 7.5 | 6,079.96 | 0.79 | 441 | 439 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 697,700.10 | 3.60 |
| F06001-F07059 | 8 | 141 | 0.007 | 6.8 | 7,226.59 | 0.77 | 469 | 468 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 777,281.36 | 4.01 |
| L13025-L13023 | 8 | 83 | 0.006 | 7.2 | 7,307.73 | 0.79 | 329.5 | 329 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 716,364.02 | 3.69 |
| K11039-K11037 | 8 | 321 | 0.003 | 10.7 | 12,298.89 | 0.79 | 356 | 355 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 515,151.88 | 2.66 |
| D13091-D13089 | 8 | 303 | 0.013 | 4.4 | 2,790.39 | 0.79 | 450 | 446 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,060,465.36 | 5.47 |
| G08127-G08125 | 8 | 337 | 0.006 | 8.8 | 7,095.41 | 0.79 | 441 | 439 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 711,029.88 | 3.67 |
| F14131-F13083 | 8 | 178 | 0.025 | 4.4 | 1,242.02 | 0.8 | 426.11 | 421.59 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,470,777.66 | 7.59 |
| J07139-J07137 | 8 | 295 | 0.006 | 6.5 | 5,731.33 | 0.79 | 423.29 | 421.39 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 740,719.20 | 3.82 |
| H11057-H11055 | 8 | 290 | 0.007 | 5.3 | 4,193.86 | 0.79 | 383 | 381 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 766,485.26 | 3.95 |
| E04005-E04003 | 8 | 404 | 0.012 | 4.9 | 3,066.55 | 0.8 | 554 | 549 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,026,791.17 | 5.30 |
| L13041-L13039 | 8 | 101 | 0.005 | 7.7 | 7,759.72 | 0.79 | 333 | 332.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 649,399.76 | 3.35 |
| F15067-F15065 | 8 | 223 | 0.013 | 6.9 | 2,787.66 | 0.79 | 463 | 460 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,070,523.00 | 5.52 |
| K12041-K12039 | 8 | 253 | 0.004 | 9.2 | 9,313.27 | 0.79 | 348 | 347 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 580,266.56 | 2.99 |
| F14031-F14029 | 8 | 65 | 0.009 | 6.6 | 3,249.98 | 0.8 | 435.61 | 435 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 894,120.49 | 4.61 |
| J11115-J11091 | 8 | 331 | 0.003 | 13.7 | 20,507.72 | 0.79 | 373 | 372 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 507,310.45 | 2.62 |
| L13137-L13135 | 8 | 280 | 0.004 | 10.3 | 10,583.09 | 0.78 | 320 | 319 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 551,580.36 | 2.84 |
| G13101-G13097 | 8 | 227 | 0.004 | 17.1 | 6,698.59 | 0.79 | 391 | 390 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 612,597.02 | 3.16 |
| L14027-L14025 | 8 | 276 | 0.004 | 9.5 | 10,463.02 | 0.78 | 314 | 313 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 555,562.94 | 2.87 |
| J11127-J11125 | 8 | 354 | 0.006 | 9.2 | 7,772.06 | 0.8 | 379 | 377 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 693,747.09 | 3.58 |
| G08129-G08123 | 12 | 326 | 0.003 | 8.5 | 22,584.32 | 0.79 | 439 | 438 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,507,147.29 | 2.91 |
| G07059-G07057 | 8 | 213 | 0.005 | 10.5 | 9,667.33 | 0.79 | 456 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 632,408.95 | 3.26 |
| G02003-F02037 | 8 | 330 | 0.013 | 7.4 | 2,431.69 | 0.8 | 528.51 | 524.22 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,052,348.25 | 5.43 |
| E17011-E17009 | 8 | 250 | 0.004 | 11.7 | 12,193.32 | 0.79 | 505 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 583,737.78 | 3.01 |
| F05093-F05091 | 8 | 388 | 0.01 | 5.3 | 3,387.17 | 0.79 | 519 | 515 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 937,134.53 | 4.83 |
| F14115-F14107 | 8 | 255 | 0.008 | 17 | 5,558.14 | 0.79 | 440 | 438 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 817,396.39 | 4.22 |
| C06069-C06067 | 8 | 118 | 0.076 | 1.2 | 258.6 | 0.81 | 584 | 575 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,548,989.57 | 13.15 |
| D03027-D03025 | 8 | 306 | 0.023 | 2.8 | 1,425.10 | 0.8 | 627 | 620 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,395,970.09 | 7.20 |
| G07057-G07051 | 8 | 335 | 0.003 | 12.3 | 16,290.98 | 0.8 | 455 | 454 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 504,272.64 | 2.60 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| G14069-G14067 | 8 | 110 | 0.005 | 10 | 7,691.40 | 0.79 | 416 | 415.48 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 634,589.87 | 3.27 |
| E12161-E12159 | 8 | 249 | 0.004 | 11.4 | 16,069.99 | 0.79 | 406 | 405 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 584,908.77 | 3.02 |
| F12117-F12115 | 8 | 213 | 0.009 | 5.5 | 4,631.75 | 0.79 | 409 | 407 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 894,361.31 | 4.61 |
| K13013-K13009 | 8 | 263 | 0.003 | 10.9 | 13,206.42 | 0.79 | 323.4 | 322.54 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 527,787.57 | 2.72 |
| F08055-F08053 | 8 | 219 | 0.005 | 8.4 | 7,541.50 | 0.8 | 442 | 441 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 623,685.65 | 3.22 |
| K14065-K14063 | 8 | 246 | 0.004 | 9.4 | 9,956.03 | 0.79 | 332 | 331 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 588,464.48 | 3.03 |
| F08039-F08037 | 8 | 241 | 0.012 | 4.8 | 2,265.36 | 0.81 | 440 | 437 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,029,769.24 | 5.31 |
| F04025-F04023 | 12 | 349 | 0.011 | 2.9 | 3,977.96 | 0.81 | 512 | 508 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,913,277.00 | 5.63 |
| D02067-D02065 | 8 | 327 | 0.021 | 4.7 | 1,710.13 | 0.82 | 620 | 613 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,350,401.62 | 6.96 |
| J12047-J12045 | 8 | 416 | 0.005 | 10.7 | 11,514.65 | 0.8 | 363 | 361 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 639,964.88 | 3.30 |
| D07021-D07019 | 8 | 346 | 0.017 | 3 | 1,797.21 | 0.77 | 512 | 506 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,215,417.21 | 6.27 |
| G08119-G08117 | 12 | 226 | 0.002 | 11.2 | 33,850.46 | 0.8 | 436.5 | 436 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,279,956.71 | 2.48 |
| H09011-H09009 | 8 | 299 | 0.002 | 21.4 | 39,149.10 | 0.79 | 408.53 | 408 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 388,588.68 | 2.00 |
| D08071-D08069 | 10 | 228 | 0.007 | 6 | 8,286.17 | 0.79 | 486 | 484.5 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,357,352.71 | 4.20 |
| G09129-G09127 | 8 | 210 | 0.005 | 9.6 | 10,574.71 | 0.8 | 418 | 417 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 636,910.14 | 3.28 |
| G14071-G14069 | 8 | 208 | 0.005 | 7.7 | 7,312.66 | 0.8 | 417 | 416 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 639,964.88 | 3.30 |
| G14011-G14009 | 8 | 336 | 0.009 | 4.8 | 3,810.81 | 0.8 | 413 | 410 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 872,125.12 | 4.50 |
| H04029-H04001 | 8 | 248 | 0.008 | 14.2 | 10,965.41 | 0.79 | 470 | 468 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 828,851.95 | 4.27 |
| D02063-D02061 | 8 | 278 | 0.007 | 7 | 6,249.59 | 0.81 | 612 | 610 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 782,853.34 | 4.04 |
| F05089-F05087 | 8 | 249 | 0.004 | 10.3 | 10,507.29 | 0.8 | 511 | 510 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 584,908.77 | 3.02 |
| G14077-G14075 | 8 | 148 | 0.008 | 5.9 | 3,876.41 | 0.81 | 423.74 | 422.59 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 813,590.50 | 4.20 |
| K14085-L14039 | 8 | 281 | 0.007 | 6.7 | 5,127.90 | 0.81 | 321 | 319 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 778,663.19 | 4.02 |
| E03107-E03105 | 8 | 166 | 0.006 | 8 | 8,010.03 | 0.79 | 570 | 569 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 716,364.02 | 3.69 |
| J08063-J08033 | 10 | 291 | 0.003 | 14.8 | 39,776.93 | 0.78 | 394.87 | 394.14 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 838,164.85 | 2.59 |
| C07035-C07033 | 8 | 174 | 0.017 | 3 | 1,799.60 | 0.77 | 521 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,211,919.60 | 6.25 |
| D13085-D13083 | 8 | 180 | 0.022 | 2.9 | 1,552.53 | 0.81 | 449 | 445 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,375,883.14 | 7.10 |
| E05167-E05157 | 8 | 343 | 0.023 | 4.6 | 1,245.24 | 0.81 | 528 | 520 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,409,567.06 | 7.27 |
| H14023-H14021 | 8 | 219 | 0.005 | 8.4 | 8,358.65 | 0.8 | 394 | 393 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 623,685.65 | 3.22 |
| E03111-E03107 | 8 | 216 | 0.009 | 6.4 | 4,978.57 | 0.79 | 572 | 570 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 888,128.75 | 4.58 |
| G08025-G08011 | 8 | 252 | 0.004 | 13.3 | 10,023.05 | 0.8 | 435 | 434 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 581,416.75 | 3.00 |
| L13043-L13041 | 8 | 99 | 0.005 | 7.7 | 7,861.32 | 0.8 | 333.5 | 333 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,926.55 | 3.38 |
| F03189-F03187 | 8 | 0 | 0.015 | 4.1 | 2,167.66 | 0.81 | 536.79 | 532.43 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,125,893.32 | 5.81 |
| G14001-G13061 | 8 | 318 | 0.003 | 12.2 | 9,942.99 | 0.81 | 406 | 405 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 517,576.14 | 2.67 |
| C03051-D03035 | 8 | 327 | 0.028 | 2.7 | 1,140.08 | 0.76 | 634 | 625 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,531,211.51 | 7.90 |
| C07093-C07091 | 8 | 287 | 0.003 | 10.9 | 13,719.24 | 0.79 | 525 | 524 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 544,812.24 | 2.81 |
| C03053-D03045 | 8 | 290 | 0.028 | 2.8 | 1,140.08 | 0.76 | 637 | 629 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,532,970.51 | 7.91 |
| F04129-F04127 | 8 | 260 | 0.009 | 6.9 | 4,027.77 | 0.81 | 519 | 516.66 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 875,606.67 | 4.52 |
| G05127-G05111 | 8 | 267 | 0.007 | 6.5 | 5,212.80 | 0.8 | 489 | 487 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 798,816.77 | 4.12 |
| C05009-C05007 | 8 | 361 | 0.039 | 2.5 | 855.06 | 0.8 | 624 | 610 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,817,599.62 | 9.37 |
| G09077-G09075 | 8 | 320 | 0.003 | 12.3 | 11,178.55 | 0.81 | 402 | 401 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 515,956.18 | 2.66 |
| E11025-E11023 | 8 | 388 | 0.008 | 6.8 | 5,665.15 | 0.8 | 410 | 407 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 811,582.31 | 4.19 |
| J14009-J14007 | 8 | 275 | 0.004 | 10.8 | 10,918.82 | 0.8 | 333 | 332 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 556,572.14 | 2.87 |
| J11119-J11117 | 8 | 328 | 0.003 | 13 | 18,456.64 | 0.8 | 376 | 375 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 509,625.19 | 2.63 |
| F10007-F10005 | 8 | 250 | 0.008 | 40.8 | 4,942.48 | 0.8 | 414 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 825,529.89 | 4.26 |
| G08021-G08015 | 8 | 298 | 0.003 | 12 | 11,707.04 | 0.8 | 440 | 439 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 534,662.44 | 2.76 |
| C06025-C06021 | 8 | 189 | 0.011 | 5.9 | 3,368.88 | 0.8 | 556 | 554 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 949,449.57 | 4.90 |
| E02064-E02062 | 8 | 261.1 | 0.004 | 8.9 | 10,096.92 | 0.8 | 559.45 | 558.3 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 612,655.69 | 3.16 |
| F17033-F17030 | 8 | 49 | 0.004 | 12.1 | 17,459.17 | 0.79 | 516.41 | 516.23 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 559,404.58 | 2.89 |
| D16075-D16073 | 8 | 199 | 0.005 | 9 | 9,424.87 | 0.81 | 481 | 480 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 654,276.42 | 3.37 |
| D03089-D03087 | 8 | 313 | 0.013 | 18.1 | 3,409.27 | 0.82 | 594 | 590 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,043,387.51 | 5.38 |
| H13085-H13059 | 8 | 380 | 0.018 | 5.5 | 1,265.83 | 0.78 | 376 | 369 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,252,694.09 | 6.46 |
| E08077-E08075 | 12 | 411 | 0.002 | 9.5 | 25,014.36 | 0.81 | 458 | 457 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,342,281.45 | 2.60 |
| E06077-E06075 | 8 | 247 | 0.008 | 6 | 4,491.85 | 0.8 | 514 | 512 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 830,528.10 | 4.28 |
| F15135-F15133 | 8 | 257 | 0.008 | 6.1 | 5,883.91 | 0.81 | 457 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 814,209.65 | 4.20 |
| F02072-F02070 | 8 | 0 | 0.01 | 8 | 3,791.18 | 0.8 | 536.24 | 535.09 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 903,537.34 | 4.66 |
| E16049-E15079 | 8 | 280 | 0.011 | 4.8 | 3,914.39 | 0.8 | 482 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 955,365.20 | 4.93 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| F18039-F18031 | 8 | 249 | 0.008 | 11.8 | 5,861.75 | 0.8 | 546 | 544 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 827,185.92 | 4.27 |
| E08067-E08057 | 15 | 441 | 0.002 | 11.1 | 27,794.30 | 0.8 | 465 | 464 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,349,480.82 | 3.03 |
| E04043-E04041 | 8 | 136 | 0.015 | 7.3 | 2,559.29 | 0.82 | 547 | 545 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,119,266.10 | 5.77 |
| G05109-G05095 | 8 | 292 | 0.003 | 25.7 | 14,225.32 | 0.8 | 483 | 482 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 540,127.61 | 2.79 |
| F02083-F02082 | 8 | 121 | 0.017 | 4.8 | 1,867.86 | 0.82 | 540.6 | 539.1 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,191,549.76 | 6.15 |
| J06047-J07139 | 8 | 288 | 0.006 | 6.4 | 5,955.08 | 0.81 | 425.15 | 423.29 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 741,733.74 | 3.83 |
| E12035-E12033 | 10 | 287 | 0.003 | 9.7 | 19,154.77 | 0.8 | 416 | 415 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 987,810.32 | 3.06 |
| D07039-D07011 | 8 | 269 | 0.015 | 4.9 | 2,478.07 | 0.81 | 495 | 491 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,125,490.06 | 5.80 |
| D15063-D15059 | 8 | 137 | 0.039 | 3.9 | 931.52 | 0.82 | 499 | 493.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,815,371.27 | 9.36 |
| G09099-G09097 | 8 | 290 | 0.007 | 9.6 | 4,575.83 | 0.81 | 404 | 402 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 766,485.26 | 3.95 |
| E07109-F07107 | 8 | 328 | 0.006 | 9.1 | 8,801.60 | 0.81 | 482.9 | 481 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 702,469.84 | 3.62 |
| E09095-E09077 | 8 | 53 | 0.009 | 39.5 | 3,652.82 | 0.81 | 424.5 | 424 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 896,468.17 | 4.62 |
| K14063-K14061 | 8 | 263 | 0.004 | 10 | 11,275.90 | 0.8 | 331 | 330 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 569,127.97 | 2.94 |
| H06059-H07019 | 8 | 361 | 0.004 | 10.1 | 11,753.58 | 0.81 | 441.6 | 440.31 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 551,733.13 | 2.85 |
| F05125-F05119 | 8 | 325 | 0.003 | 12.4 | 16,864.19 | 0.81 | 493 | 492 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 511,971.90 | 2.64 |
| E17007-E17003 | 8 | 147 | 0.014 | 5.7 | 2,973.01 | 0.82 | 526 | 524 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,076,574.62 | 5.55 |
| E08023-E08021 | 15 | 332 | 0.009 | 4 | 5,330.80 | 0.82 | 451 | 448 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,690,107.37 | 6.05 |
| D10059-D10057 | 8 | 230 | 0.004 | 9.4 | 8,220.96 | 0.82 | 449 | 448 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 608,588.71 | 3.14 |
| F07109-F07083 | 8 | 295 | 0.003 | 19.7 | 14,625.53 | 0.81 | 475 | 474 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 537,374.18 | 2.77 |
| E07127-E07125 | 8 | 247 | 0.004 | 11 | 13,053.58 | 0.81 | 476 | 475 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,272.05 | 3.03 |
| E11011-E11009 | 8 | 62 | 0.016 | 3.8 | 1,678.99 | 0.82 | 427 | 426 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,172,173.67 | 6.05 |
| D07019-D07017 | 8 | 344 | 0.017 | 3.6 | 2,050.16 | 0.82 | 506 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,218,945.28 | 6.29 |
| E13045-E12035 | 8 | 211 | 0.009 | 8.9 | 5,536.16 | 0.81 | 418 | 416 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 898,589.99 | 4.63 |
| E13111-E13059 | 8 | 301 | 0.01 | 18 | 4,634.30 | 0.81 | 415 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 921,436.02 | 4.75 |
| F06101-F06065 | 8 | 325 | 0.003 | 20.9 | 18,543.33 | 0.82 | 483 | 482 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 511,971.90 | 2.64 |
| G04001-G05013 | 8 | 256 | 0.008 | 9.5 | 12,789.70 | 0.81 | 478 | 476 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 815,798.35 | 4.21 |
| G09037-G09035 | 8 | 216 | 0.009 | 4.6 | 3,357.98 | 0.83 | 429 | 427 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 888,128.75 | 4.58 |
| F13115-F13113 | 8 | 171 | 0.006 | 7.4 | 7,843.27 | 0.82 | 418 | 417 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 705,813.16 | 3.64 |
| D11057-E11049 | 8 | 275 | 0.015 | 4 | 2,852.91 | 0.82 | 432 | 428 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,113,144.27 | 5.74 |
| E18065-E18063 | 8 | 167 | 0.006 | 7.4 | 8,028.12 | 0.82 | 544.15 | 543.1 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 731,853.61 | 3.77 |
| F07159-F07157 | 8 | 322 | 0.009 | 6.2 | 4,734.94 | 0.83 | 464 | 461 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 890,882.65 | 4.59 |
| J08017-J08015 | 8 | 174 | 0.004 | 11.8 | 13,521.00 | 0.8 | 402.2 | 401.55 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 564,117.88 | 2.91 |
| F04183-F04181 | 8 | 204 | 0.003 | 13.8 | 19,435.53 | 0.82 | 527.54 | 527 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 474,864.39 | 2.45 |
| J08021-J08019 | 8 | 301 | 0.003 | 10.9 | 13,636.52 | 0.81 | 404.35 | 403.31 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 542,526.84 | 2.80 |
| E15005-E15003 | 8 | 191 | 0.016 | 19.7 | 2,484.04 | 0.83 | 459 | 456 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,156,729.34 | 5.97 |
| D15035-D15033 | 8 | 136 | 0.008 | 7.6 | 5,863.07 | 0.81 | 459.12 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 837,582.06 | 4.32 |
| D12001-E12031 | 8 | 249 | 0.008 | 6.5 | 5,888.52 | 0.81 | 422 | 420 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 827,185.92 | 4.27 |
| K14005-K14003 | 8 | 308 | 0.006 | 7.7 | 6,240.00 | 0.82 | 327 | 325 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 743,750.80 | 3.84 |
| E17017-E16067 | 8 | 258 | 0.012 | 5.4 | 3,537.85 | 0.81 | 503 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 995,264.66 | 5.13 |
| E16079-E17021 | 8 | 147 | 0.003 | 12.6 | 18,206.84 | 0.81 | 499.5 | 499 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 538,287.31 | 2.78 |
| E06013-E06011 | 8 | 257 | 0.004 | 15.2 | 11,029.34 | 0.81 | 519 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 575,733.16 | 2.97 |
| F04031-G04133 | 8 | 298 | 0.01 | 5.4 | 4,249.92 | 0.83 | 504 | 501 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 926,062.51 | 4.78 |
| H10009-H10007 | 12 | 214 | 0.002 | 14.1 | 46,581.51 | 0.82 | 386.6 | 386.26 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,084,668.60 | 2.10 |
| J06057-J06047 | 8 | 303 | 0.006 | 6.6 | 6,203.54 | 0.83 | 427.04 | 425.15 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 728,949.42 | 3.76 |
| H07023-H07009 | 12 | 252 | 0.003 | 12.1 | 19,931.17 | 0.81 | 436 | 435.26 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,474,619.89 | 2.85 |
| H11067-H11065 | 8 | 116 | 0.005 | 7.3 | 7,094.10 | 0.82 | 385.6 | 385 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 663,795.70 | 3.42 |
| D04125-E04095 | 6 | 292 | 0.01 | 7.6 | 3,583.01 | 0.83 | 568 | 565 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 434,397.23 | 3.36 |
| D04123-E04093 | 6 | 292 | 0.01 | 7.6 | 3,583.01 | 0.83 | 571 | 568 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 434,397.23 | 3.36 |
| J08123-J08027 | 8 | 171 | 0.003 | 11.3 | 14,166.25 | 0.83 | 405.56 | 405 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 528,182.21 | 2.72 |
| E08021-E08019 | 8 | 284 | 0.004 | 11.2 | 12,179.01 | 0.82 | 448 | 447 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 547,682.21 | 2.82 |
| G14095-H14029 | 8 | 266 | 0.004 | 8.2 | 8,213.71 | 0.82 | 396.78 | 395.65 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 601,570.06 | 3.10 |
| E08069-E08047 | 8 | 278 | 0.007 | 18 | 5,605.52 | 0.83 | 463 | 461 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 782,853.34 | 4.04 |
| G11029-G11027 | 8 | 302 | 0.003 | 12 | 12,814.24 | 0.83 | 385 | 384 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 531,109.83 | 2.74 |
| J11033-J11031 | 8 | 330 | 0.005 | 30.6 | 9,570.74 | 0.82 | 378 | 376.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 622,266.57 | 3.21 |
| L13135-L13133 | 8 | 296 | 0.003 | 11.4 | 13,457.10 | 0.83 | 319 | 318 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 536,465.69 | 2.77 |
| D06049-D06047 | 8 | 317 | 0.006 | 8.4 | 6,679.40 | 0.83 | 559 | 557 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 733,116.80 | 3.78 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| F04143-F04141 | 8 | 20 | 0.05 | 13.1 | 622.62 | 0.81 | 519 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,063,824.72 | 10.64 |
| K12045-K11077 | 8 | 288 | 0.003 | 10.8 | 12,375.81 | 0.82 | 352 | 351 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 543,865.57 | 2.80 |
| D08085-D08083 | 8 | 152 | 0.013 | 4.7 | 3,295.24 | 0.84 | 460 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,058,719.74 | 5.46 |
| C07087-C07081 | 8 | 282 | 0.004 | 11.7 | 15,883.08 | 0.81 | 522 | 521 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 549,620.92 | 2.83 |
| D04071-D04069 | 8 | 175 | 0.017 | 20.9 | 2,262.05 | 0.84 | 574 | 571 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,208,452.02 | 6.23 |
| D16081-D15011 | 8 | 108 | 0.005 | 9.7 | 11,284.56 | 0.83 | 480.95 | 480.44 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 634,250.79 | 3.27 |
| E04041-E04035 | 8 | 264 | 0.004 | 11.9 | 14,631.23 | 0.82 | 545 | 544 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 568,049.06 | 2.93 |
| E02033-E02031 | 8 | 257 | 0.004 | 0 | 0 | 0 | 568.5 | 567.48 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 582,031.77 | 3.00 |
| G05147-G05145 | 8 | 306 | 0.02 | 33.8 | 1,645.67 | 0.82 | 490 | 484 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,292,417.17 | 6.67 |
| J11121-J11119 | 8 | 334 | 0.012 | 8.7 | 3,577.43 | 0.82 | 380 | 376 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,010,053.95 | 5.21 |
| F14095-F14085 | 8 | 253 | 0.012 | 8.7 | 4,017.95 | 0.83 | 440 | 437 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,005,051.17 | 5.18 |
| F13111-F13109 | 8 | 89 | 0.006 | 9.9 | 9,060.23 | 0.83 | 416 | 415.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 691,795.62 | 3.57 |
| G03023-G03021 | 8 | 349 | 0.011 | 5.4 | 3,395.52 | 0.82 | 507 | 503 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 988,109.53 | 5.10 |
| G07069-G07063 | 8 | 249 | 0.012 | 5.4 | 3,078.53 | 0.82 | 462 | 459 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,013,091.71 | 5.22 |
| C07053-C07051 | 8 | 328 | 0.003 | 13.9 | 21,300.09 | 0.82 | 513 | 512 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 509,625.19 | 2.63 |
| E15091-E15057 | 8 | 325 | 0.006 | 11.6 | 7,746.21 | 0.83 | 460 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 724,037.61 | 3.73 |
| E02049-E02047 | 8 | 253 | 0.008 | 0 | 0 | 0 | 588.69 | 586.57 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 844,880.87 | 4.36 |
| F13103-F13101 | 8 | 277 | 0.004 | 11.8 | 16,291.18 | 0.82 | 412 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 554,559.21 | 2.86 |
| E14137-E14135 | 10 | 331 | 0.006 | 6.2 | 9,734.44 | 0.83 | 442 | 440 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,300,814.92 | 4.03 |
| E18067-E18065 | 8 | 259 | 0.007 | 7 | 6,807.90 | 0.83 | 546.02 | 544.15 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 784,257.59 | 4.04 |
| D03069-D03067 | 8 | 275 | 0.007 | 7.1 | 7,889.48 | 0.83 | 610 | 608 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 787,111.86 | 4.06 |
| F12115-F12113 | 8 | 224 | 0.009 | 6.5 | 5,551.89 | 0.82 | 407 | 405 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 872,125.12 | 4.50 |
| E12033-E12025 | 10 | 246 | 0.004 | 60.7 | 19,420.19 | 0.83 | 415 | 414 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,066,957.09 | 3.30 |
| C05025-C05023 | 8 | 285 | 0.042 | 2.2 | 855.06 | 0.82 | 618 | 606 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,893,895.45 | 9.77 |
| E09051-E09047 | 8 | 283 | 0.014 | 6.2 | 2,382.90 | 0.84 | 442 | 438 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,097,297.99 | 5.66 |
| F04073-F04071 | 8 | 265 | 0.004 | 10.1 | 12,231.36 | 0.82 | 517.91 | 516.88 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 575,418.05 | 2.97 |
| K12053-K12051 | 8 | 362 | 0.003 | 13.2 | 18,053.30 | 0.83 | 347 | 346 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 485,102.51 | 2.50 |
| H04027-H04025 | 8 | 242 | 0.008 | 8.6 | 12,889.61 | 0.82 | 480 | 478 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 839,064.07 | 4.33 |
| H11021-H11019 | 8 | 201 | 0.01 | 89.7 | 3,355.19 | 0.83 | 370 | 368 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 920,671.66 | 4.75 |
| D14099-D14097 | 8 | 100 | 0.005 | 8.8 | 10,236.09 | 0.83 | 457 | 456.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 652,638.68 | 3.37 |
| G05067-H05035 | 8 | 247 | 0.012 | 8 | 7,611.00 | 0.82 | 467 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,017,185.03 | 5.25 |
| D14107-D14105 | 8 | 80 | 0.025 | 2.7 | 1,552.53 | 0.84 | 462 | 460 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,459,344.45 | 7.53 |
| C02088-C02086 | 8 | 0 | 0.025 | 3.8 | 2,009.06 | 0.84 | 660 | 653.57 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,471,407.73 | 7.59 |
| D08089-D08087 | 8 | 333 | 0.012 | 4.2 | 2,920.29 | 0.82 | 467 | 463 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,011,569.41 | 5.22 |
| E11019-F11015 | 8 | 388 | 0.005 | 9.4 | 12,087.94 | 0.83 | 402 | 400 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 662,654.18 | 3.42 |
| J14077-J14075 | 8 | 258 | 0.004 | 10.6 | 11,220.11 | 0.83 | 338 | 337 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 574,616.32 | 2.96 |
| E04065-E04059 | 8 | 125 | 0.016 | 5 | 2,559.29 | 0.84 | 549 | 547 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,167,475.56 | 6.02 |
| E08029-E08027 | 15 | 261 | 0.011 | 2 | 3,672.66 | 0.82 | 457 | 454 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,289,706.47 | 6.82 |
| C02067-C02065 | 8 | 274 | 0.011 | 5.6 | 4,266.36 | 0.85 | 632 | 629 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 965,768.76 | 4.98 |
| E04019-E04017 | 8 | 244 | 0.012 | 4.9 | 3,583.01 | 0.84 | 556 | 553 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,023,419.11 | 5.28 |
| K12063-K12061 | 8 | 350 | 0.003 | 12.3 | 15,905.74 | 0.84 | 368 | 367 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 493,348.47 | 2.54 |
| G08001-G09049 | 8 | 379 | 0.005 | 7.5 | 7,540.56 | 0.84 | 433 | 431 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 670,475.94 | 3.46 |
| F01021-F01019 | 8 | 193 | 0.007 | 0 | 0 | 0 | 537.31 | 535.9 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 788,894.10 | 4.07 |
| H14025-H14023 | 8 | 181 | 0.005 | 8 | 8,387.95 | 0.83 | 394.89 | 394 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 647,207.47 | 3.34 |
| F09011-F09005 | 8 | 256 | 0.013 | 5 | 2,410.52 | 0.83 | 425 | 421.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,031,912.36 | 5.32 |
| D07079-D07077 | 8 | 234 | 0.004 | 10.4 | 11,116.70 | 0.84 | 526 | 525 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 603,364.67 | 3.11 |
| F02173-F02171 | 8 | 88 | 0.007 | 6.4 | 300.71 | 0.3 | 548.69 | 548.05 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 769,810.59 | 3.97 |
| C07051-C07023 | 8 | 303 | 0.003 | 13.8 | 21,571.53 | 0.83 | 512 | 511 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 530,232.68 | 2.73 |
| E04087-E04085 | 8 | 335 | 0.006 | 14 | 8,604.09 | 0.84 | 561 | 559 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 713,149.20 | 3.68 |
| G08109-G08107 | 8 | 312 | 0.007 | 8.1 | 6,986.42 | 0.84 | 429 | 426.71 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 790,730.06 | 4.08 |
| E03079-E03077 | 8 | 267 | 0.011 | 11.6 | 4,082.49 | 0.86 | 556 | 553 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 978,346.74 | 5.05 |
| G11051-G11049 | 8 | 123 | 0.008 | 5.7 | 4,240.55 | 0.85 | 386 | 385 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 832,214.45 | 4.29 |
| L13019-L13017 | 10 | 281 | 0.004 | 100 | 324,016.70 | 0.83 | 324 | 323 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 998,300.64 | 3.09 |
| J11037-J11035 | 8 | 308 | 0.003 | 33.1 | 13,322.59 | 0.84 | 378 | 377 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 525,911.24 | 2.71 |
| F06011-F06007 | 8 | 200 | 0.01 | 6 | 4,728.32 | 0.84 | 474 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 922,970.47 | 4.76 |
| B01033-B01031 | 8 | 294 | 0.027 | 2.3 | 1,428.97 | 0.85 | 683.4 | 675.45 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,504,997.50 | 7.76 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| E05117-E05115 | 8 | 204 | 0.01 | 5.6 | 4,338.59 | 0.85 | 523 | 521 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 913,876.95 | 4.71 |
| K13025-K14067 | 8 | 263 | 0.008 | 7 | 5,514.39 | 0.84 | 335 | 333 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 804,868.50 | 4.15 |
| C03007-C04021 | 12 | 296 | 0.014 | 2.9 | 4,532.54 | 0.85 | 645 | 641 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,163,360.14 | 6.12 |
| H13023-H13021 | 8 | 125 | 0.002 | 14.8 | 19,149.62 | 0.84 | 372.3 | 372 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 452,161.34 | 2.33 |
| E08009-E08007 | 8 | 321 | 0.012 | 4.6 | 2,667.04 | 0.83 | 455 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,030,303.76 | 5.31 |
| G08035-G08033 | 8 | 252 | 0.008 | 5.8 | 4,612.83 | 0.85 | 435 | 433 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 822,247.45 | 4.24 |
| E16041-E16039 | 8 | 242 | 0.004 | 10.1 | 12,751.81 | 0.83 | 482 | 481 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 593,307.89 | 3.06 |
| F07093-F07091 | 8 | 247 | 0.004 | 11.4 | 15,155.58 | 0.83 | 479 | 478 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,272.05 | 3.03 |
| F17030-F17015 | 8 | 164 | 0.006 | 19.9 | 17,452.93 | 0.84 | 516.23 | 515.23 | | 0.3 | 609,839.03 | 3.15 |
| D01033-D01031 | 8 | 328 | 0.009 | 5.7 | 5,122.58 | 0.83 | 629 | 626 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 882,696.72 | 4.55 |
| C04013-C04011 | 8 | 246 | 0.028 | 2.9 | 1,422.95 | 0.86 | 633 | 626 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,556,930.67 | 8.03 |
| H11087-H11085 | 8 | 313 | 0.006 | 7.8 | 5,959.32 | 0.85 | 381 | 379 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 737,786.38 | 3.81 |
| D04021-D04019 | 8 | 273 | 0.018 | 4.2 | 2,278.58 | 0.86 | 607 | 602 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,249,083.54 | 6.44 |
| G15027-G14075 | 8 | 143 | 0.014 | 5.1 | 2,446.74 | 0.86 | 424.56 | 422.59 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,083,310.37 | 5.59 |
| E15023-D15007 | 8 | 214 | 0.017 | 6.8 | 2,484.04 | 0.85 | 481 | 477.32 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,210,332.88 | 6.24 |
| E04115-E05107 | 6 | 396 | 0.013 | 19.5 | 3,071.15 | 0.83 | 546 | 541 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 481,565.37 | 3.73 |
| E04109-E05101 | 6 | 396 | 0.013 | 22.6 | 3,071.15 | 0.83 | 540 | 535 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 481,565.37 | 3.73 |
| E12067-E12065 | 8 | 256 | 0.002 | 18.9 | 31,961.95 | 0.85 | 413.5 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 407,899.17 | 2.10 |
| G12037-G12035 | 8 | 223 | 0.004 | 16.9 | 10,507.05 | 0.84 | 388 | 387 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 618,066.74 | 3.19 |
| G07083-G07081 | 8 | 270 | 0.004 | 11.7 | 16,386.58 | 0.84 | 452 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 561,701.94 | 2.90 |
| E03117-E03115 | 8 | 354 | 0.011 | 4.7 | 4,050.87 | 0.81 | 581 | 577 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 981,106.54 | 5.06 |
| F09125-F09109 | 8 | 230 | 0.009 | 7 | 4,192.34 | 0.84 | 431 | 429 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 860,674.40 | 4.44 |
| F04105-F04103 | 8 | 255 | 0.008 | 6.3 | 5,831.11 | 0.85 | 530 | 528 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 817,396.39 | 4.22 |
| H13021-H13019 | 8 | 258 | 0.002 | 15.4 | 22,154.71 | 0.85 | 372 | 371.44 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 430,003.48 | 2.22 |
| K11067-K11065 | 8 | 337 | 0.006 | 10.8 | 7,369.15 | 0.85 | 350 | 348 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 711,029.88 | 3.67 |
| F15131-F15129 | 8 | 187 | 0.005 | 9.1 | 11,115.16 | 0.85 | 451 | 450 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 674,942.85 | 3.48 |
| E17041-E17040 | 8 | 247 | 0.008 | 6.2 | 6,210.11 | 0.86 | 525 | 523 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 830,528.10 | 4.28 |
| E14123-E13095 | 8 | 253 | 0.008 | 7.2 | 6,802.29 | 0.86 | 430 | 428 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 820,620.84 | 4.23 |
| D04107-D04079 | 8 | 331 | 0.009 | 9.6 | 5,110.86 | 0.85 | 583 | 580 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 878,687.48 | 4.53 |
| E12123-E12121 | 8 | 65 | 0.015 | 4.4 | 3,094.75 | 0.85 | 413 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,144,803.98 | 5.90 |
| E14041-E14101 | 8 | 226 | 0.031 | 2.9 | 1,242.02 | 0.81 | 447 | 440 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,624,361.20 | 8.38 |
| C04079-C04077 | 8 | 145 | 0.028 | 2.4 | 1,425.10 | 0.86 | 641 | 637 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,532,970.51 | 7.91 |
| C07033-C07027 | 8 | 161 | 0.019 | 3.4 | 2,055.43 | 0.86 | 518 | 515 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,259,898.32 | 6.50 |
| E18109-E18107 | 8 | 48 | 0.021 | 3.6 | 2,162.00 | 0.84 | 539 | 538 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,332,193.13 | 6.87 |
| J12043-J12041 | 21 | 478 | 0 | 33.6 | 645,691.25 | 0.85 | 360 | 359.77 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 2,654,702.94 | 1.71 |
| K09005-K09003 | 12 | 301 | 0.006 | 9.8 | 39,737.87 | 0.82 | 381.52 | 379.69 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,121,811.48 | 4.10 |
| G04057-G04055 | 8 | 251 | 0.008 | 8.8 | 13,142.41 | 0.85 | 486 | 484 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 823,883.76 | 4.25 |
| H06055-H07015 | 8 | 361 | 0.005 | 11.9 | 9,490.85 | 0.85 | 439 | 437.19 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 653,541.99 | 3.37 |
| J11155-J11151 | 8 | 201 | 0.011 | 6.1 | 4,750.59 | 0.86 | 375 | 372.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 965,608.59 | 4.98 |
| K15027-K15025 | 8 | 340 | 0.003 | 13.9 | 16,708.68 | 0.85 | 320 | 319 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 500,551.02 | 2.58 |
| C03023-C03021 | 8 | 228 | 0.018 | 3.6 | 2,562.16 | 0.86 | 665 | 661 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,222,504.25 | 6.30 |
| H04023-H04021 | 8 | 108 | 0.009 | 9.3 | 12,690.55 | 0.84 | 476 | 475 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 888,128.75 | 4.58 |
| F02061-F02057 | 8 | 155 | 0.01 | 52 | 0 | 0 | 525.59 | 524 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 934,803.91 | 4.82 |
| D07015-D07013 | 8 | 342 | 0.012 | 5.3 | 4,092.84 | 0.84 | 497 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 998,170.54 | 5.15 |
| F07139-F07137 | 8 | 64 | 0.016 | 4.9 | 3,251.76 | 0.86 | 467 | 466 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,153,713.09 | 5.95 |
| H14029-H14027 | 8 | 126 | 0.005 | 8.3 | 8,207.94 | 0.85 | 395.65 | 395.01 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 657,797.96 | 3.39 |
| K14099-K14097 | 8 | 290 | 0.008 | 7.4 | 4,970.55 | 0.86 | 324 | 321.6 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 839,642.53 | 4.33 |
| J11090-J11089 | 8 | 224 | 0.002 | 20.7 | 39,349.27 | 0.85 | 371.46 | 371 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 418,256.51 | 2.16 |
| E05123-E05121 | 8 | 369 | 0.005 | 9.3 | 9,483.53 | 0.85 | 530 | 528 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 679,500.25 | 3.50 |
| C02063-D02037 | 8 | 295 | 0.02 | 3.6 | 1,995.15 | 0.83 | 633 | 627 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,316,292.55 | 6.79 |
| E06113-E06111 | 8 | 252 | 0.004 | 11.4 | 15,750.99 | 0.85 | 495 | 494 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 581,416.75 | 3.00 |
| E07097-E07083 | 8 | 250 | 0.008 | 10.9 | 5,614.81 | 0.86 | 471 | 469 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 825,529.89 | 4.26 |
| E06027-E06025 | 8 | 276 | 0.004 | 23.9 | 14,364.48 | 0.86 | 490 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 555,562.94 | 2.87 |
| D10055-D10045 | 8 | 278 | 0.022 | 6.3 | 1,378.85 | 0.84 | 467 | 461 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,355,941.75 | 6.99 |
| F16001-F15085 | 8 | 254 | 0.02 | 3.5 | 2,173.54 | 0.83 | 484 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,294,958.80 | 6.68 |
| K09011-K09009 | 12 | 300 | 0.005 | 9.8 | 39,860.10 | 0.82 | 388.16 | 386.56 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,987,301.97 | 3.84 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| E16071-E15109 | 8 | 257 | 0.016 | 4.4 | 3,097.08 | 0.86 | 484 | 480 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,151,466.32 | 5.94 |
| H10039-H10037 | 12 | 572 | 0.002 | 13.6 | 44,002.95 | 0.85 | 388 | 387.05 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,108,991.68 | 2.14 |
| G12041-G12039 | 8 | 220 | 0.005 | 8.8 | 9,979.99 | 0.85 | 391 | 390 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 622,266.57 | 3.21 |
| J11043-J11041 | 8 | 289 | 0.003 | 23.2 | 13,385.48 | 0.86 | 380 | 379 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 542,923.81 | 2.80 |
| H12051-H12037 | 8 | 171 | 0.011 | 9.3 | 3,063.31 | 0.85 | 366.1 | 364.24 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 962,600.81 | 4.96 |
| E13095-E13093 | 8 | 264 | 0.006 | 11.4 | 9,266.39 | 0.86 | 428 | 426.32 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 736,275.73 | 3.80 |
| P-5582 | 8 | 0 | 0.004 | 10.8 | 13,864.52 | 0.85 | 405 | 404.35 | | 0.3 | 569,044.76 | 2.93 |
| C01007-D01033 | 8 | 313 | 0.016 | 4.6 | 2,848.64 | 0.86 | 634 | 629 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,166,542.70 | 6.02 |
| G04129-G04127 | 8 | 295 | 0.007 | 8.5 | 8,146.76 | 0.86 | 496 | 494 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 759,961.86 | 3.92 |
| E12159-F12153 | 8 | 397 | 0.005 | 11.2 | 16,663.26 | 0.85 | 405 | 403 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,099.93 | 3.38 |
| F09105-F09103 | 8 | 59 | 0.003 | 11.3 | 14,369.01 | 0.86 | 427 | 426.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 537,374.18 | 2.77 |
| H13089-H13087 | 8 | 353 | 0.003 | 12.8 | 16,280.71 | 0.86 | 377 | 376 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 491,247.61 | 2.53 |
| F04021-F04003 | 8 | 306 | 0.016 | 8.5 | 2,744.01 | 0.86 | 511 | 506 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,179,810.06 | 6.08 |
| L14005-L13137 | 8 | 310 | 0.006 | 8.3 | 7,180.43 | 0.86 | 322 | 320 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 741,347.72 | 3.82 |
| K14043-K14041 | 8 | 242 | 0.004 | 11.2 | 12,036.25 | 0.85 | 328 | 327 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 593,307.89 | 3.06 |
| C03001-C04005 | 8 | 281 | 0.014 | 4.4 | 3,644.65 | 0.88 | 643 | 639 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,101,196.04 | 5.68 |
| E11007-E10057 | 8 | 330 | 0.006 | 16.2 | 6,709.72 | 0.86 | 425 | 423 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 718,531.54 | 3.71 |
| D02095-D02093 | 8 | 287 | 0.003 | 12.8 | 19,068.54 | 0.86 | 611 | 610 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 544,812.24 | 2.81 |
| D05059-D05057 | 8 | 324 | 0.006 | 13.2 | 9,409.75 | 0.86 | 589 | 587 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 725,154.09 | 3.74 |
| F15129-F15089 | 8 | 187 | 0.005 | 18.4 | 12,024.25 | 0.86 | 450 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 674,942.85 | 3.48 |
| G12097-G12095 | 10 | 261 | 0.008 | 13 | 6,659.12 | 0.86 | 381 | 379 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,464,904.30 | 4.53 |
| G14007-G14005 | 8 | 246 | 0.016 | 4.5 | 1,898.74 | 0.87 | 411 | 407 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,176,928.96 | 6.07 |
| E08055-E08053 | 8 | 208 | 0.01 | 6.4 | 4,491.85 | 0.85 | 466 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 905,047.01 | 4.67 |
| F12153-F12151 | 8 | 398 | 0.005 | 11.6 | 17,865.39 | 0.86 | 403 | 401 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 654,276.42 | 3.37 |
| E15063-E15061 | 8 | 330 | 0.006 | 9.6 | 10,781.31 | 0.86 | 464 | 462 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 718,531.54 | 3.71 |
| L14011-L14009 | 8 | 393 | 0.005 | 8.3 | 9,330.19 | 0.87 | 327 | 325 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 658,425.33 | 3.40 |
| E13001-E12021 | 8 | 313 | 0.003 | 13.3 | 19,821.66 | 0.87 | 418 | 417 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 521,693.76 | 2.69 |
| E07079-E07077 | 8 | 153 | 0.013 | 4.9 | 3,368.88 | 0.86 | 478 | 476 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,055,254.20 | 5.44 |
| G11049-G11047 | 8 | 296 | 0.007 | 6.9 | 5,916.88 | 0.87 | 385 | 383 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 758,677.05 | 3.91 |
| F15115-F15111 | 8 | 179 | 0.022 | 4.8 | 1,863.03 | 0.85 | 482 | 478 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,379,721.04 | 7.12 |
| F07119-F07117 | 8 | 248 | 0.004 | 12 | 16,961.05 | 0.85 | 476 | 475 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 586,086.84 | 3.02 |
| E03255-F03179 | 8 | 289 | 0.01 | 6.6 | 4,341.41 | 0.87 | 541 | 538 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 940,371.62 | 4.85 |
| K11077-K11075 | 8 | 277 | 0.004 | 11.2 | 14,602.39 | 0.87 | 351 | 350 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 554,559.21 | 2.86 |
| J12067-J12065 | 8 | 542 | 0.013 | 13 | 4,004.39 | 0.85 | 369 | 362 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,048,907.48 | 5.41 |
| F04117-F05055 | 8 | 169 | 0.004 | 16.3 | 15,815.40 | 0.87 | 511.62 | 511 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 559,036.67 | 2.88 |
| E11053-E11051 | 8 | 297 | 0.015 | 5.3 | 3,286.68 | 0.88 | 427.59 | 423 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,147,402.85 | 5.92 |
| G08027-G09063 | 8 | 104 | 0.005 | 8.7 | 10,035.02 | 0.86 | 429.5 | 429 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 639,964.88 | 3.30 |
| E04141-E04137 | 8 | 262 | 0.008 | 6.8 | 6,711.93 | 0.87 | 532 | 530 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 806,403.05 | 4.16 |
| D19003-D19001 | 8 | 227 | 0.011 | 6.2 | 7,314.63 | 0.87 | 546.23 | 543.62 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 987,508.03 | 5.09 |
| F08047-G08019 | 8 | 337 | 0.004 | 10.6 | 13,208.45 | 0.87 | 444 | 442.74 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 564,362.47 | 2.91 |
| F13131-F12141 | 8 | 235 | 0.009 | 6.9 | 7,304.82 | 0.88 | 408 | 406 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 851,469.06 | 4.39 |
| G14087-G14065 | 8 | 357 | 0.008 | 8.3 | 4,482.71 | 0.88 | 412 | 409 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 846,085.64 | 4.36 |
| F12151-F12149 | 8 | 400 | 0.005 | 11.7 | 19,067.39 | 0.86 | 401 | 399 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 652,638.68 | 3.37 |
| E11057-E11055 | 8 | 223 | 0.013 | 4.9 | 3,570.47 | 0.86 | 425 | 422 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,070,523.00 | 5.52 |
| F04011-F04009 | 8 | 248 | 0.008 | 7 | 6,402.52 | 0.87 | 520 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 828,851.95 | 4.27 |
| D02033-D02031 | 8 | 261 | 0.004 | 11.9 | 17,243.33 | 0.86 | 620 | 619 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 571,304.38 | 2.95 |
| J08125-J08123 | 8 | 345 | 0.003 | 11.4 | 14,791.60 | 0.87 | 406.75 | 405.56 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 542,065.47 | 2.80 |
| F04033-F04031 | 8 | 299 | 0.013 | 4.6 | 3,660.40 | 0.87 | 508 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,067,535.21 | 5.51 |
| G15021-G15017 | 8 | 281 | 0.011 | 5 | 4,671.68 | 0.87 | 452 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 953,663.75 | 4.92 |
| E03127-E03125 | 8 | 378 | 0.008 | 8.4 | 7,110.61 | 0.87 | 578 | 575 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 822,247.45 | 4.24 |
| H08007-H08005 | 12 | 195 | 0.003 | 12.2 | 39,323.12 | 0.86 | 428 | 427.44 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,458,280.96 | 2.82 |
| H11071-H11039 | 8 | 221 | 0.011 | 83.5 | 3,494.24 | 0.88 | 373 | 370.65 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 951,755.95 | 4.91 |
| J07077-J07075 | 10 | 301 | 0.003 | 13 | 33,027.23 | 0.85 | 409.59 | 408.69 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 915,066.20 | 2.83 |
| J14123-J14119 | 8 | 270 | 0.004 | 14.5 | 15,664.09 | 0.87 | 336 | 335 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 561,701.94 | 2.90 |
| G04095-G04093 | 8 | 356 | 0.008 | 19.7 | 5,842.66 | 0.88 | 502 | 499 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 847,273.13 | 4.37 |
| E18005-E18003 | 12 | 291 | 0.003 | 11.3 | 29,277.07 | 0.86 | 518 | 517 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,595,210.51 | 3.09 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| D01039-D01037 | 8 | 329 | 0.009 | 6 | 5,972.83 | 0.87 | 624 | 621 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 881,354.21 | 4.55 |
| D14097-D14095 | 8 | 93 | 0.005 | 8.9 | 11,153.63 | 0.87 | 456.5 | 456 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 676,754.78 | 3.49 |
| E16045-E15069 | 8 | 337 | 0.015 | 4.7 | 3,711.90 | 0.89 | 484 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,124,236.96 | 5.80 |
| D04065-D04063 | 8 | 97 | 0.021 | 20.4 | 2,236.03 | 0.84 | 571 | 569 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,325,308.36 | 6.84 |
| E11043-E11041 | 8 | 242 | 0.008 | 8.7 | 6,188.87 | 0.87 | 419 | 417 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 839,064.07 | 4.33 |
| J11181-J11090 | 8 | 174 | 0.005 | 15.1 | 12,097.77 | 0.87 | 372.36 | 371.46 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 663,795.70 | 3.42 |
| E15109-E15107 | 8 | 254 | 0.012 | 5.7 | 4,639.87 | 0.89 | 480 | 477 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,003,070.77 | 5.17 |
| G15029-G15027 | 8 | 54 | 0.016 | 3.4 | 2,243.72 | 0.88 | 425.41 | 424.56 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,157,978.22 | 5.97 |
| E16077-F16049 | 8 | 423 | 0.002 | 19 | 32,550.29 | 0.87 | 497 | 496 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 448,763.60 | 2.31 |
| G15069-G15067 | 8 | 291 | 0.007 | 6.7 | 5,368.76 | 0.88 | 496 | 494 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 765,167.14 | 3.95 |
| F13009-F13007 | 8 | 436 | 0.005 | 8.4 | 8,998.27 | 0.87 | 411 | 409 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 625,114.48 | 3.22 |
| D15025-D15023 | 8 | 140 | 0.007 | 7.3 | 8,377.05 | 0.87 | 465 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 780,052.42 | 4.02 |
| F19047-F19045 | 8 | 187 | 0.005 | 9.7 | 12,687.64 | 0.87 | 570.85 | 569.91 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 652,638.68 | 3.37 |
| G03053-G03051 | 8 | 353 | 0.011 | 5 | 4,018.44 | 0.87 | 514 | 510 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 982,495.23 | 5.07 |
| H13077-H13093 | 8 | 216 | 0.005 | 8.3 | 8,940.57 | 0.87 | 383 | 382 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 628,001.86 | 3.24 |
| C03003-C03001 | 8 | 294 | 0.02 | 3.6 | 2,250.55 | 0.84 | 649 | 643 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,318,529.25 | 6.80 |
| K14059-K14057 | 8 | 255 | 0.004 | 11.3 | 14,620.40 | 0.87 | 329 | 328 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 577,986.53 | 2.98 |
| C03009-C03007 | 12 | 296 | 0.017 | 2.6 | 3,689.42 | 0.89 | 650 | 645 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,536,744.16 | 6.84 |
| H07013-H07011 | 8 | 139 | 0.002 | 17.7 | 29,243.10 | 0.87 | 436.3 | 436 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 428,786.43 | 2.21 |
| F13091-F12093 | 8 | 234 | 0.009 | 7.6 | 7,373.13 | 0.89 | 407 | 405 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 853,286.50 | 4.40 |
| G08097-G08095 | 8 | 105 | 0.005 | 10.2 | 13,949.55 | 0.87 | 447 | 446.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 636,910.14 | 3.28 |
| F05143-F05141 | 8 | 175 | 0.008 | 7.9 | 6,688.00 | 0.88 | 500.77 | 499.35 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 831,405.62 | 4.29 |
| F11029-F11027 | 8 | 278 | 0.004 | 44 | 18,964.08 | 0.88 | 399.64 | 398.6 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 564,523.57 | 2.91 |
| K14061-K14059 | 8 | 238 | 0.004 | 10.6 | 13,353.25 | 0.87 | 330 | 329 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 598,272.90 | 3.09 |
| E04133-E04131 | 8 | 345 | 0.012 | 5.6 | 4,014.56 | 0.87 | 537 | 533 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 993,821.20 | 5.13 |
| G07027-G07023 | 8 | 68 | 0.007 | 8.7 | 8,390.30 | 0.87 | 448 | 447.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 791,440.65 | 4.08 |
| F10061-F10059 | 8 | 109 | 0.009 | 7.9 | 4,177.39 | 0.87 | 409 | 408 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 884,045.38 | 4.56 |
| E07125-F07133 | 8 | 247 | 0.004 | 11.7 | 16,725.11 | 0.87 | 475 | 474 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,272.05 | 3.03 |
| C06047-C06045 | 8 | 263 | 0.019 | 3.7 | 2,245.92 | 0.89 | 568 | 563 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,272,608.84 | 6.56 |
| C06063-C06061 | 8 | 314 | 0.029 | 2.5 | 1,288.83 | 0.89 | 555 | 546 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,562,587.11 | 8.06 |
| E12031-E12029 | 8 | 249 | 0.008 | 7.2 | 7,734.08 | 0.88 | 420 | 418 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 827,185.92 | 4.27 |
| F12147-F12145 | 8 | 399 | 0.003 | 19.8 | 39,476.74 | 0.87 | 400 | 399 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 462,063.18 | 2.38 |
| F12141-F12139 | 8 | 257 | 0.008 | 7.5 | 8,530.08 | 0.86 | 406 | 404 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 814,209.65 | 4.20 |
| E18011-E18009 | 8 | 300 | 0.035 | 7.3 | 1,239.43 | 0.84 | 530 | 519.56 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,721,779.09 | 8.88 |
| F07133-F07131 | 8 | 247 | 0.004 | 12.2 | 17,523.32 | 0.87 | 474 | 473 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,272.05 | 3.03 |
| G09131-G09129 | 8 | 370 | 0.008 | 7.8 | 7,430.98 | 0.88 | 421 | 418 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 831,089.07 | 4.29 |
| D05089-D05081 | 10 | 301 | 0.017 | 5.3 | 3,408.66 | 0.87 | 593 | 588 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,156,831.72 | 6.67 |
| C07015-D07079 | 8 | 223 | 0.009 | 7.6 | 5,600.52 | 0.9 | 528 | 526 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 874,078.37 | 4.51 |
| J07079-J07077 | 10 | 159 | 0.003 | 13 | 33,034.99 | 0.87 | 410.07 | 409.59 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 919,467.89 | 2.85 |
| E04013-E04011 | 8 | 270 | 0.011 | 8.1 | 5,084.10 | 0.88 | 557 | 554 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 972,896.30 | 5.02 |
| F07137-F07135 | 8 | 318 | 0.009 | 6.8 | 6,093.37 | 0.88 | 466 | 463 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 896,468.17 | 4.62 |
| K12043-K12041 | 8 | 101 | 0.01 | 6.9 | 4,464.16 | 0.88 | 349 | 348 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 918,389.95 | 4.74 |
| K15045-K15043 | 12 | 404 | 0.005 | 7.5 | 13,018.29 | 0.89 | 325 | 323 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,914,647.43 | 3.70 |
| F06113-F06111 | 10 | 232 | 0.003 | 11.9 | 28,778.92 | 0.88 | 481 | 480.24 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 957,805.47 | 2.96 |
| L13145-L13143 | 8 | 301 | 0.003 | 12.5 | 16,834.52 | 0.88 | 322 | 321 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 531,991.34 | 2.74 |
| F05011-F05009 | 8 | 251 | 0.004 | 11.5 | 16,302.74 | 0.87 | 504 | 503 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 582,573.80 | 3.00 |
| G13103-G13101 | 8 | 156 | 0.006 | 6.9 | 6,097.47 | 0.89 | 392 | 391 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 738,967.79 | 3.81 |
| H05009-H05007 | 12 | 309 | 0.002 | 20.8 | 118,233.17 | 0.88 | 448.48 | 447.83 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,248,078.60 | 2.41 |
| F05087-F05079 | 8 | 260 | 0.004 | 12.9 | 15,650.81 | 0.89 | 510 | 509 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 572,401.99 | 2.95 |
| D04067-D04065 | 8 | 299 | 0.027 | 2.9 | 1,853.15 | 0.91 | 579 | 571 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,509,722.77 | 7.79 |
| H10007-H10005 | 12 | 611 | 0.002 | 13.2 | 46,452.28 | 0.88 | 386.26 | 385 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,235,745.86 | 2.39 |
| F07131-F07129 | 8 | 258 | 0.004 | 12.7 | 19,267.38 | 0.89 | 473 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 574,616.32 | 2.96 |
| F04023-G04109 | 12 | 293 | 0.014 | 3.3 | 4,866.05 | 0.9 | 508 | 504 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,179,513.57 | 6.15 |
| D14103-D14095 | 8 | 100 | 0.02 | 5.6 | 2,480.15 | 0.9 | 458 | 456 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,305,277.36 | 6.73 |
| C03033-C03031 | 8 | 248 | 0.06 | 1.5 | 570.04 | 0.89 | 699 | 684 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,269,904.55 | 11.71 |
| G05013-G05011 | 8 | 264 | 0.008 | 11.7 | 17,642.84 | 0.87 | 476 | 474 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 803,342.68 | 4.14 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| E17040-E17038 | 8 | 278 | 0.009 | 8.2 | 6,188.77 | 0.88 | 523 | 520.38 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 896,016.60 | 4.62 |
| G09119-G09117 | 8 | 390 | 0.003 | 18.3 | 33,551.38 | 0.88 | 411 | 410 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 467,364.27 | 2.41 |
| F07089-F07087 | 8 | 271 | 0.004 | 13.2 | 20,567.13 | 0.88 | 477 | 476 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 560,664.63 | 2.89 |
| E11003-E10053 | 8 | 273 | 0.007 | 16.2 | 5,871.68 | 0.89 | 420 | 418 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 789,989.80 | 4.07 |
| E07135-F07147 | 8 | 247 | 0.008 | 8.9 | 7,883.58 | 0.89 | 466 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 830,528.10 | 4.28 |
| H06067-H06065 | 12 | 294 | 0.003 | 9.2 | 18,834.72 | 0.88 | 438 | 437 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,587,050.82 | 3.07 |
| C02027-C02025 | 8 | 191 | 0.016 | 6.5 | 4,714.98 | 0.9 | 647 | 644 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,156,729.34 | 5.97 |
| E04123-E05119 | 8 | 358 | 0.008 | 8.9 | 6,151.92 | 0.89 | 529 | 526 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 844,903.13 | 4.36 |
| C05007-D05065 | 8 | 364 | 0.019 | 3.6 | 2,563.39 | 0.9 | 610 | 603 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,279,929.75 | 6.60 |
| J15031-J15029 | 8 | 114 | 0.018 | 3.6 | 2,413.77 | 0.89 | 336 | 334 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,222,504.25 | 6.30 |
| E03131-E03129 | 8 | 338 | 0.009 | 6.9 | 6,630.03 | 0.9 | 580 | 577 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 869,541.04 | 4.48 |
| F04103-F04101 | 8 | 255 | 0.008 | 7.1 | 7,027.71 | 0.88 | 528 | 526 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 817,396.39 | 4.22 |
| H13057-H13051 | 8 | 379 | 0.024 | 5.5 | 1,265.83 | 0.87 | 375 | 366 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,422,294.26 | 7.34 |
| G08043-G08041 | 8 | 306 | 0.007 | 7.5 | 7,123.83 | 0.89 | 432 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 746,177.40 | 3.85 |
| H05055-H05003 | 8 | 252 | 0.022 | 13.6 | 2,063.79 | 0.85 | 450.5 | 445 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,363,543.14 | 7.03 |
| D14011-D14009 | 8 | 253 | 0.016 | 5.6 | 3,415.56 | 0.9 | 465 | 461 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,160,533.13 | 5.99 |
| F12129-F12127 | 8 | 234 | 0.009 | 7.7 | 8,004.15 | 0.89 | 408 | 406 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 853,286.50 | 4.40 |
| D13069-D13067 | 8 | 81 | 0.003 | 16 | 28,312.14 | 0.88 | 430.25 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 512,761.37 | 2.64 |
| F17043-F17033 | 8 | 259 | 0.005 | 11.7 | 17,492.52 | 0.89 | 517.65 | 516.41 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 638,629.19 | 3.29 |
| F11051-F11049 | 8 | 341 | 0.006 | 10 | 7,387.16 | 0.89 | 398 | 396 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 706,847.32 | 3.65 |
| F07117-F07115 | 8 | 248 | 0.004 | 12.8 | 19,182.96 | 0.88 | 475 | 474 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 586,086.84 | 3.02 |
| K11065-K11063 | 8 | 374 | 0.003 | 14.5 | 21,486.49 | 0.89 | 348 | 347 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 477,256.67 | 2.46 |
| D16061-D16059 | 8 | 255 | 0.004 | 12.1 | 18,058.23 | 0.9 | 484 | 483 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 577,986.53 | 2.98 |
| J07115-J07079 | 10 | 306 | 0.003 | 13 | 32,683.93 | 0.88 | 410.97 | 410.07 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 907,559.38 | 2.81 |
| F04053-F05013 | 8 | 305 | 0.01 | 7.5 | 5,216.18 | 0.89 | 508 | 505 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 915,373.88 | 4.72 |
| F08005-F08003 | 8 | 246 | 0.008 | 8.1 | 5,383.55 | 0.89 | 447 | 445 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 832,214.45 | 4.29 |
| J14045-J14037 | 8 | 246 | 0.008 | 7.6 | 5,965.75 | 0.9 | 342 | 340 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 832,214.45 | 4.29 |
| G07001-G08063 | 8 | 395 | 0.01 | 6.4 | 5,642.03 | 0.89 | 448 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 928,793.69 | 4.79 |
| J11017-J11015 | 8 | 297 | 0.01 | 5.6 | 5,733.64 | 0.89 | 381 | 378 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 927,620.23 | 4.78 |
| E13009-E13007 | 8 | 305 | 0.007 | 9.3 | 10,313.46 | 0.9 | 421 | 419 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 747,399.64 | 3.85 |
| K14057-K14055 | 8 | 258 | 0.004 | 11.6 | 16,378.13 | 0.9 | 328 | 327 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 574,616.32 | 2.96 |
| E03095-E03093 | 8 | 209 | 0.014 | 11.5 | 3,573.74 | 0.88 | 567 | 564 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,105,796.70 | 5.70 |
| H04003-H04001 | 8 | 256 | 0.004 | 19.4 | 42,071.31 | 0.89 | 469 | 468 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| F09103-F09097 | 8 | 220 | 0.004 | 11.8 | 15,202.44 | 0.9 | 426.8 | 426 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 556,572.14 | 2.87 |
| G14075-G14073 | 8 | 240 | 0.007 | 6.7 | 6,728.15 | 0.9 | 422.59 | 421 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 751,243.54 | 3.87 |
| F03195-F03183 | 8 | 229 | 0.013 | 6.5 | 3,714.35 | 0.88 | 533.46 | 530.47 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,052,348.25 | 5.43 |
| E06091-E06089 | 8 | 251 | 0.008 | 7.6 | 6,683.91 | 0.9 | 505 | 503 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 823,883.76 | 4.25 |
| E09045-E09013 | 8 | 218 | 0.005 | 10.4 | 11,743.30 | 0.88 | 436 | 435 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 625,114.48 | 3.22 |
| E14097-E14095 | 8 | 317 | 0.016 | 6.4 | 3,716.52 | 0.91 | 441 | 436 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,159,159.44 | 5.98 |
| F13069-F13067 | 10 | 133 | 0.008 | 23.1 | 9,307.80 | 0.89 | 411 | 410 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,451,071.08 | 4.49 |
| G08063-G08061 | 8 | 391 | 0.008 | 27.9 | 8,407.69 | 0.89 | 444 | 441 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 808,462.83 | 4.17 |
| F07091-F07089 | 8 | 233 | 0.004 | 12.4 | 17,863.74 | 0.89 | 478 | 477 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 604,658.06 | 3.12 |
| E05161-E05157 | 8 | 248 | 0.012 | 5.7 | 4,023.94 | 0.89 | 523 | 520 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,015,132.18 | 5.24 |
| D11055-D11053 | 8 | 330 | 0.009 | 6.3 | 4,615.64 | 0.91 | 432 | 429 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 880,017.82 | 4.54 |
| H13007-H13005 | 8 | 275 | 0.002 | 17.2 | 28,494.76 | 0.9 | 369.63 | 369 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 441,765.44 | 2.28 |
| E11059-E11057 | 8 | 139 | 0.014 | 4.2 | 3,577.18 | 0.89 | 427 | 425 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,107,121.81 | 5.71 |
| F03183-F04185 | 8 | 261 | 0.006 | 9.5 | 10,976.45 | 0.9 | 530.47 | 529 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 692,669.75 | 3.57 |
| G11033-G11031 | 8 | 264 | 0.004 | 10.4 | 12,848.46 | 0.91 | 387 | 386 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 568,049.06 | 2.93 |
| K13007-K13005 | 8 | 243 | 0.004 | 33.7 | 16,148.30 | 0.89 | 321 | 320 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 592,085.83 | 3.05 |
| D04017-D04015 | 8 | 276 | 0.022 | 3.6 | 2,278.61 | 0.87 | 617 | 611 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,360,845.72 | 7.02 |
| L14083-L14081 | 8 | 256 | 0.004 | 100 | 14,372.34 | 0.91 | 328 | 327 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| G02053-G02005 | 8 | 200 | 0.004 | 6.8 | 895.95 | 0.34 | 523.41 | 522.69 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 553,782.28 | 2.86 |
| E05045-E05037 | 8 | 424 | 0.017 | 7.4 | 3,556.89 | 0.91 | 538 | 531 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,185,915.92 | 6.12 |
| F13035-F13033 | 8 | 207 | 0.024 | 10.6 | 1,302.24 | 0.89 | 407 | 402 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,434,457.34 | 7.40 |
| E04027-E04025 | 8 | 339 | 0.003 | 16.9 | 31,192.66 | 0.9 | 539 | 538 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 501,288.75 | 2.59 |
| H04005-H04003 | 8 | 254 | 0.004 | 18.2 | 41,445.65 | 0.9 | 470 | 469 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 579,123.18 | 2.99 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| L13017-L13015 | 10 | 214 | 0.005 | 100 | 314,566.31 | 0.9 | 323 | 322 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,143,951.53 | 3.54 |
| E04031-E04029 | 8 | 339 | 0.003 | 16.2 | 28,530.15 | 0.9 | 542 | 541 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 501,288.75 | 2.59 |
| D03025-D03023 | 8 | 294 | 0.02 | 3.5 | 2,562.60 | 0.91 | 620 | 614 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,318,529.25 | 6.80 |
| G13131-H13091 | 8 | 327 | 0.009 | 7.1 | 4,438.27 | 0.92 | 382 | 379 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 884,045.38 | 4.56 |
| D04051-D05129 | 8 | 312 | 0.01 | 6.2 | 6,870.49 | 0.89 | 576 | 573 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 905,047.01 | 4.67 |
| J14039-J14037 | 8 | 247 | 0.004 | 10.8 | 14,480.95 | 0.91 | 341 | 340 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,272.05 | 3.03 |
| E09061-F09053 | 8 | 248 | 0.004 | 10.4 | 12,849.64 | 0.91 | 420 | 419 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 586,086.84 | 3.02 |
| J11183-J11181 | 8 | 182 | 0.006 | 9.3 | 12,125.94 | 0.91 | 373.37 | 372.36 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 685,682.32 | 3.54 |
| G04097-G04095 | 8 | 353 | 0.014 | 5 | 3,390.77 | 0.89 | 507 | 502 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,098,463.06 | 5.67 |
| F14023-F14021 | 8 | 86 | 0.004 | 10.6 | 13,561.13 | 0.91 | 427.25 | 426.91 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 580,334.03 | 2.99 |
| E14093-E14089 | 8 | 260 | 0.004 | 14.1 | 21,859.95 | 0.91 | 434.98 | 434.01 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 563,750.58 | 2.91 |
| E04113-E05105 | 6 | 397 | 0.015 | 21.5 | 3,071.15 | 0.9 | 544 | 538 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 526,863.62 | 4.08 |
| C06085-C06081 | 8 | 164 | 0.11 | 1 | 258.16 | 0.93 | 605 | 587 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,057,751.13 | 15.77 |
| H07019-H07017 | 8 | 264 | 0.005 | 10.2 | 12,504.27 | 0.9 | 440.31 | 439 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 650,161.86 | 3.35 |
| G10041-G10039 | 8 | 88 | 0.006 | 12.6 | 8,978.41 | 0.91 | 401.5 | 401 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 695,715.17 | 3.59 |
| D16071-D16069 | 8 | 106 | 0.009 | 6.9 | 6,281.64 | 0.92 | 494 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 896,468.17 | 4.62 |
| F06091-F06075 | 8 | 261 | 0.016 | 8 | 3,763.95 | 0.92 | 494.14 | 489.97 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,166,636.56 | 6.02 |
| E04021-E05097 | 8 | 343 | 0.003 | 18.2 | 36,086.80 | 0.9 | 535 | 534 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 498,357.21 | 2.57 |
| K11063-K11061 | 8 | 97 | 0.003 | 15 | 20,515.65 | 0.91 | 347 | 346.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 513,289.72 | 2.65 |
| E14051-F14073 | 8 | 365 | 0.008 | 9.1 | 8,333.00 | 0.89 | 443 | 440 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 836,762.10 | 4.32 |
| G11031-G11029 | 8 | 244 | 0.004 | 10.5 | 12,832.21 | 0.91 | 386 | 385 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 590,871.30 | 3.05 |
| H11073-H11033 | 8 | 204 | 0.014 | 100 | 2,938.23 | 0.9 | 372 | 369.19 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,083,242.98 | 5.59 |
| J11005-J11003 | 8 | 324 | 0.009 | 6.7 | 7,192.96 | 0.92 | 374 | 371 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 888,128.75 | 4.58 |
| F13093-F13091 | 8 | 251 | 0.012 | 6 | 5,523.65 | 0.9 | 410 | 407 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,009,047.41 | 5.20 |
| G08111-G08109 | 8 | 321 | 0.009 | 6.5 | 6,891.66 | 0.93 | 432 | 429 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 892,269.23 | 4.60 |
| G15031-G15029 | 8 | 257 | 0.018 | 3.1 | 2,072.73 | 0.91 | 430 | 425.41 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,233,467.15 | 6.36 |
| F12139-F12137 | 8 | 257 | 0.008 | 8.6 | 9,751.86 | 0.9 | 404 | 402 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 814,209.65 | 4.20 |
| F07103-F07101 | 8 | 259 | 0.004 | 21.3 | 21,518.61 | 0.91 | 479 | 478 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 573,505.95 | 2.96 |
| F11013-F11011 | 8 | 378 | 0.005 | 10.9 | 16,666.97 | 0.91 | 397 | 395 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 671,362.23 | 3.46 |
| J06083-J06079 | 8 | 102 | 0.009 | 6.2 | 5,428.67 | 0.92 | 428.2 | 427.25 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 890,737.06 | 4.59 |
| E08053-E08051 | 8 | 258 | 0.007 | 8.1 | 8,906.22 | 0.91 | 464 | 462.3 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 749,208.02 | 3.86 |
| E02060-E03239 | 8 | 213.4 | 0.004 | 11.6 | 17,172.44 | 0.9 | 557.91 | 557 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 601,868.50 | 3.10 |
| E03075-E03073 | 8 | 282 | 0.018 | 13.2 | 3,071.15 | 0.92 | 556 | 551 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,228,989.73 | 6.34 |
| D04115-E04087 | 8 | 339 | 0.015 | 6 | 4,029.16 | 0.91 | 566 | 561 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,120,915.72 | 5.78 |
| F15103-F15101 | 8 | 242 | 0.004 | 20.5 | 20,305.24 | 0.92 | 468 | 467 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 593,307.89 | 3.06 |
| D14067-D14065 | 8 | 295 | 0.01 | 6.5 | 6,384.71 | 0.91 | 458 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 930,759.39 | 4.80 |
| D01041-D01039 | 8 | 288 | 0.014 | 5.2 | 4,271.60 | 0.91 | 628 | 624 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,087,731.13 | 5.61 |
| F06103-F06101 | 8 | 363 | 0.006 | 11.4 | 13,507.04 | 0.91 | 485 | 483 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 685,092.94 | 3.53 |
| D10103-D10101 | 8 | 224 | 0.004 | 11.2 | 11,060.37 | 0.91 | 443 | 442 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 616,685.59 | 3.18 |
| D15019-D15017 | 8 | 244 | 0.012 | 6 | 4,928.89 | 0.91 | 483 | 480 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,023,419.11 | 5.28 |
| L13049-L13047 | 8 | 150 | 0.007 | 8.3 | 8,283.72 | 0.92 | 335 | 334 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 753,602.23 | 3.89 |
| F09001-F10009 | 8 | 323 | 0.012 | 5.5 | 4,137.65 | 0.91 | 419 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,027,109.02 | 5.30 |
| L13139-L13131 | 8 | 147 | 0.003 | 13.2 | 19,946.84 | 0.92 | 318 | 317.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 538,287.31 | 2.78 |
| J14059-J14057 | 8 | 217 | 0.009 | 5.8 | 5,892.53 | 0.92 | 337 | 335 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 886,080.01 | 4.57 |
| E12107-E12101 | 8 | 246 | 0.004 | 23 | 19,740.74 | 0.92 | 408 | 407 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 588,464.48 | 3.03 |
| D15031-D15029 | 8 | 225 | 0.018 | 4.9 | 3,179.25 | 0.92 | 474 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,230,627.30 | 6.35 |
| E07067-E07065 | 8 | 94 | 0.021 | 6 | 2,245.92 | 0.93 | 483 | 481 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,346,290.80 | 6.94 |
| E14139-E14137 | 10 | 345 | 0.009 | 5.7 | 8,488.66 | 0.92 | 445 | 442 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,560,506.52 | 4.83 |
| E04137-E05121 | 8 | 258 | 0.008 | 8.8 | 8,214.26 | 0.92 | 530 | 528 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 812,630.19 | 4.19 |
| D13089-D13087 | 8 | 313 | 0.013 | 6.8 | 4,952.15 | 0.93 | 446 | 442 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,043,387.51 | 5.38 |
| J12045-J12041 | 8 | 255 | 0.005 | 40.6 | 19,740.74 | 0.9 | 361 | 359.77 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 641,018.07 | 3.31 |
| E11021-E11019 | 8 | 388 | 0.008 | 8.6 | 9,947.79 | 0.92 | 405 | 402 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 811,582.31 | 4.19 |
| E03129-E03125 | 8 | 264 | 0.008 | 8.9 | 9,135.72 | 0.92 | 577 | 575 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 803,342.68 | 4.14 |
| E18105-E18103 | 8 | 49 | 0.02 | 4 | 3,083.62 | 0.93 | 536 | 535 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,318,529.25 | 6.80 |
| G04131-G04129 | 8 | 310 | 0.01 | 6.7 | 6,646.76 | 0.9 | 499 | 496 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 907,961.82 | 4.68 |
| J15015-J15013 | 8 | 239 | 0.004 | 10.7 | 14,445.63 | 0.93 | 343 | 342 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 597,019.97 | 3.08 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| E12111-E12109 | 8 | 72 | 0.014 | 5.1 | 4,932.01 | 0.91 | 410 | 409 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,087,731.13 | 5.61 |
| E06081-E06079 | 8 | 249 | 0.012 | 5.8 | 4,491.85 | 0.92 | 513 | 510 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,013,091.71 | 5.22 |
| E12029-E12027 | 8 | 250 | 0.008 | 7.6 | 9,266.46 | 0.92 | 418 | 416 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 825,529.89 | 4.26 |
| E04017-E05053 | 8 | 277 | 0.011 | 12.3 | 5,608.23 | 0.91 | 553 | 550 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 960,524.73 | 4.95 |
| F09115-F09113 | 8 | 15 | 0.007 | 7.1 | 7,653.43 | 0.92 | 431 | 430.9 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 753,602.23 | 3.89 |
| E08007-E08003 | 8 | 309 | 0.01 | 30.6 | 5,147.19 | 0.94 | 451 | 448 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 909,429.83 | 4.69 |
| D16087-D16081 | 8 | 204 | 0.015 | 6.7 | 3,726.07 | 0.91 | 484 | 480.95 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,128,554.78 | 5.82 |
| E11135-E11133 | 8 | 298 | 0.013 | 46.5 | 4,647.34 | 0.94 | 427 | 423 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,069,324.88 | 5.51 |
| L14055-L14053 | 10 | 241 | 0.001 | 100 | 933,888.54 | 0.04 | 313.29 | 313 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 580,503.69 | 1.80 |
| F05015-F05013 | 8 | 251 | 0.012 | 7.4 | 5,168.45 | 0.92 | 508 | 505 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,009,047.41 | 5.20 |
| H10029-H10027 | 8 | 291 | 0.007 | 19.9 | 7,377.37 | 0.92 | 399 | 397 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 765,167.14 | 3.95 |
| H11065-H11063 | 8 | 302 | 0.007 | 7.3 | 7,928.81 | 0.92 | 385 | 383 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 751,102.72 | 3.87 |
| F09053-F10035 | 8 | 239 | 0.004 | 11.7 | 14,094.64 | 0.93 | 419 | 418 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 597,019.97 | 3.08 |
| C02039-C02023 | 8 | 194 | 0.01 | 7.8 | 5,778.80 | 0.92 | 642 | 640 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 937,134.53 | 4.83 |
| J14057-J14055 | 8 | 206 | 0.01 | 11.6 | 5,744.50 | 0.93 | 335 | 333 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 909,429.83 | 4.69 |
| D02043-D02023 | 8 | 237 | 0.013 | 9.2 | 4,840.82 | 0.92 | 606 | 603 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,038,422.91 | 5.36 |
| D08109-E08067 | 15 | 438 | 0.005 | 6.5 | 18,289.70 | 0.92 | 467 | 465 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,334,027.23 | 4.30 |
| E04023-E04021 | 8 | 328 | 0.003 | 18 | 34,822.97 | 0.92 | 536 | 535 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 509,625.19 | 2.63 |
| H12059-H12017 | 8 | 426 | 0.002 | 29.8 | 31,216.98 | 0.92 | 369 | 368 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 447,180.65 | 2.31 |
| E03137-E03135 | 8 | 210 | 0.01 | 6.8 | 7,115.66 | 0.94 | 567 | 565 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 900,726.95 | 4.65 |
| D04053-D04051 | 8 | 363 | 0.011 | 5.9 | 5,773.10 | 0.91 | 580 | 576 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 968,867.73 | 5.00 |
| F09017-F09015 | 15 | 135 | 0.004 | 18.2 | 31,063.21 | 0.92 | 425.5 | 425 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,002,681.84 | 3.87 |
| C07077-C07053 | 8 | 195 | 0.005 | 12.5 | 17,160.41 | 0.92 | 514 | 513 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 660,952.88 | 3.41 |
| F04193-F04185 | 8 | 160 | 0.014 | 7.2 | 3,718.87 | 0.92 | 531.28 | 529 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,098,353.89 | 5.66 |
| F04087-F04075 | 8 | 199 | 0.02 | 4.7 | 2,474.70 | 0.93 | 525.39 | 521.4 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,306,916.13 | 6.74 |
| F07115-F07113 | 8 | 248 | 0.004 | 13.2 | 21,866.01 | 0.92 | 474 | 473 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 586,086.84 | 3.02 |
| H06007-H06005 | 12 | 331 | 0.002 | 25 | 148,199.23 | 0.92 | 439 | 438.48 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,078,579.53 | 2.09 |
| C03031-C03029 | 8 | 164 | 0.049 | 2.9 | 1,139.29 | 0.94 | 684 | 676 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,038,500.76 | 10.51 |
| G08045-G08043 | 8 | 308 | 0.01 | 6.1 | 5,032.71 | 0.94 | 435 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 910,904.98 | 4.70 |
| G08033-G08031 | 8 | 246 | 0.008 | 7.2 | 6,285.48 | 0.92 | 433 | 431 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 832,214.45 | 4.29 |
| J07121-J07119 | 10 | 140 | 0.003 | 12.9 | 32,543.42 | 0.92 | 414.52 | 414.1 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 916,590.04 | 2.84 |
| E04131-E05123 | 8 | 358 | 0.008 | 7.4 | 7,081.47 | 0.92 | 533 | 530 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 844,903.13 | 4.36 |
| E03003-E04041 | 8 | 268 | 0.007 | 9.5 | 10,096.63 | 0.93 | 547 | 545 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 797,325.05 | 4.11 |
| F07129-F07127 | 8 | 236 | 0.004 | 13.2 | 20,991.10 | 0.93 | 472 | 471 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 600,802.60 | 3.10 |
| D03035-D03033 | 8 | 319 | 0.022 | 3.6 | 2,563.04 | 0.94 | 625 | 618 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,367,229.71 | 7.05 |
| F13081-F13079 | 8 | 77 | 0.013 | 23.2 | 5,961.30 | 0.92 | 419.99 | 419 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,046,550.14 | 5.40 |
| L14081-L13155 | 8 | 252 | 0.004 | 100 | 16,220.35 | 0.94 | 327 | 326 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 581,416.75 | 3.00 |
| F12125-F12123 | 8 | 249 | 0.008 | 8.7 | 10,451.25 | 0.93 | 405 | 403 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 827,185.92 | 4.27 |
| D07151-E07075 | 8 | 225 | 0.009 | 7.3 | 6,671.43 | 0.93 | 474 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 870,184.91 | 4.49 |
| J11151-J11149 | 8 | 335 | 0.008 | 8.2 | 8,722.59 | 0.93 | 372.8 | 370 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 843,809.52 | 4.35 |
| D16043-D16039 | 8 | 65 | 0.008 | 8.1 | 9,195.58 | 0.93 | 494.5 | 494 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 809,498.65 | 4.17 |
| G14089-G14087 | 8 | 229 | 0.013 | 4.7 | 3,275.10 | 0.94 | 415 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,056,405.60 | 5.45 |
| D14111-D14109 | 8 | 76 | 0.007 | 8.3 | 10,578.16 | 0.93 | 453 | 452.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 748,627.91 | 3.86 |
| H08027-H08025 | 8 | 80 | 0.013 | 5.1 | 5,179.58 | 0.93 | 433 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,031,912.36 | 5.32 |
| F13049-F13047 | 12 | 63 | 0.003 | 10 | 33,599.98 | 0.91 | 410.83 | 410.61 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,608,072.27 | 3.11 |
| F15045-F15039 | 8 | 127 | 0.017 | 4.6 | 3,224.52 | 0.94 | 444 | 441.85 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,200,895.39 | 6.19 |
| G08029-G08027 | 8 | 82 | 0.006 | 8.4 | 9,620.58 | 0.93 | 430 | 429.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 720,718.85 | 3.72 |
| E06087-E06085 | 8 | 252 | 0.004 | 11.9 | 17,582.39 | 0.94 | 501 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 581,416.75 | 3.00 |
| H11153-H11151 | 8 | 279 | 0.011 | 5.9 | 4,373.71 | 0.93 | 383 | 380 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 957,075.80 | 4.94 |
| J15023-J15021 | 8 | 198 | 0.004 | 11.8 | 16,800.25 | 0.93 | 331 | 330.25 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 568,049.06 | 2.93 |
| K09009-K09007 | 12 | 301 | 0.007 | 9.1 | 39,746.73 | 0.89 | 386.56 | 384.38 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,315,845.04 | 4.48 |
| H11027-H11025 | 8 | 180 | 0.011 | 78.4 | 4,153.58 | 0.92 | 371 | 369 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 972,896.30 | 5.02 |
| C06065-C06063 | 8 | 301 | 0.04 | 2 | 946.14 | 0.89 | 567 | 555 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,842,872.05 | 9.50 |
| D14105-D14103 | 8 | 80 | 0.025 | 3.1 | 2,171.80 | 0.92 | 460 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,459,344.45 | 7.53 |
| E05157-E05151 | 8 | 253 | 0.008 | 7.5 | 7,705.29 | 0.94 | 520 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 820,620.84 | 4.23 |
| K10075-H10041 | 8 | 256 | 0.008 | 11.1 | 6,512.70 | 0.94 | 392 | 390 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 815,798.35 | 4.21 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| E06093-E06091 | 8 | 160 | 0.013 | 5.6 | 4,491.85 | 0.93 | 507 | 505 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,031,912.36 | 5.32 |
| D11011-D11009 | 8 | 223 | 0.004 | 12.1 | 11,791.67 | 0.93 | 448 | 447 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 618,066.74 | 3.19 |
| D16021-D16019 | 8 | 212 | 0.067 | 8.8 | 621.01 | 0.94 | 509.73 | 495.46 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,394,593.85 | 12.35 |
| F06061-F06059 | 8 | 351 | 0.001 | 32.5 | 79,811.28 | 0.93 | 481.5 | 481 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 348,352.76 | 1.80 |
| C04021-C04019 | 12 | 318 | 0.016 | 3.1 | 5,655.31 | 0.95 | 641 | 636 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,412,211.48 | 6.60 |
| G11027-G11025 | 8 | 307 | 0.003 | 13.2 | 19,677.70 | 0.93 | 384 | 383 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 526,767.07 | 2.72 |
| D16079-D16077 | 8 | 193 | 0.021 | 5 | 2,794.55 | 0.94 | 486 | 482 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,328,737.37 | 6.85 |
| D11061-D11057 | 8 | 274 | 0.026 | 3.3 | 2,090.37 | 0.92 | 439 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,475,236.15 | 7.61 |
| F07087-F07085 | 8 | 243 | 0.004 | 19.5 | 22,268.95 | 0.93 | 476 | 475 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 592,085.83 | 3.05 |
| D07011-D07009 | 8 | 103 | 0.01 | 6.4 | 7,221.25 | 0.91 | 491 | 490 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 909,429.83 | 4.69 |
| C06031-C06029 | 8 | 129 | 0.008 | 7 | 7,860.73 | 0.94 | 568 | 567 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 812,630.19 | 4.19 |
| F07125-F07079 | 8 | 264 | 0.004 | 22.8 | 25,387.06 | 0.93 | 470 | 469 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 568,049.06 | 2.93 |
| G12063-G12097 | 10 | 405 | 0.01 | 4.6 | 6,095.49 | 0.94 | 385 | 381 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,663,094.75 | 5.15 |
| E08051-E08049 | 8 | 49 | 0.006 | 21.8 | 10,979.59 | 0.94 | 462.3 | 462 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 722,188.21 | 3.72 |
| D03045-D03043 | 8 | 292 | 0.021 | 3.9 | 2,848.30 | 0.94 | 629 | 623 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,323,037.05 | 6.82 |
| F05083-F05081 | 8 | 256 | 0.008 | 7.2 | 8,541.73 | 0.94 | 518 | 516 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 815,798.35 | 4.21 |
| F06121-F06119 | 8 | 327 | 0.003 | 16 | 28,404.01 | 0.94 | 484 | 483 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 510,403.84 | 2.63 |
| E04143-E04141 | 8 | 263 | 0.011 | 5.9 | 5,194.97 | 0.92 | 535 | 532 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 985,758.57 | 5.08 |
| D08105-E08065 | 8 | 304 | 0.007 | 12 | 9,952.08 | 0.94 | 470 | 468 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 748,627.91 | 3.86 |
| D07077-D07075 | 8 | 236 | 0.004 | 11.4 | 16,522.55 | 0.95 | 525 | 524 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 600,802.60 | 3.10 |
| K11003-K11001 | 18 | 264 | 0.001 | 23 | 329,740.21 | 0.92 | 363 | 362.67 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 2,836,587.57 | 2.44 |
| D10099-D09017 | 8 | 451 | 0.009 | 23.4 | 5,515.39 | 0.92 | 447 | 443 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 869,219.64 | 4.48 |
| E04001-E05049 | 8 | 129 | 0.008 | 17.4 | 9,632.10 | 0.94 | 544 | 543 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 812,630.19 | 4.19 |
| D07115-D07113 | 8 | 193 | 0.016 | 12.6 | 3,368.88 | 0.93 | 478 | 475 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,150,720.31 | 5.93 |
| K11061-K11023 | 8 | 265 | 0.003 | 31.3 | 27,332.09 | 0.94 | 346.7 | 346 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 474,366.37 | 2.45 |
| G15067-G15065 | 8 | 323 | 0.006 | 7.4 | 8,004.43 | 0.94 | 494 | 492 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 726,275.75 | 3.75 |
| C04057-C04055 | 8 | 94 | 0.032 | 2.7 | 1,709.52 | 0.95 | 668 | 665 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,648,862.75 | 8.50 |
| E17021-E16077 | 8 | 377 | 0.005 | 14.8 | 18,183.41 | 0.94 | 499 | 497 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 672,252.04 | 3.47 |
| G08003-G08001 | 8 | 395 | 0.01 | 6.4 | 5,032.06 | 0.96 | 437 | 433 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 928,793.69 | 4.79 |
| K11001-K12007 | 18 | 268 | 0.001 | 23.8 | 332,791.81 | 0.92 | 362.67 | 362.33 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 2,857,677.73 | 2.46 |
| L13143-L13141 | 8 | 279 | 0.004 | 12.8 | 19,497.87 | 0.94 | 321 | 320 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 552,567.97 | 2.85 |
| E05141-F05079 | 8 | 266 | 0.015 | 9.3 | 3,713.38 | 0.94 | 513 | 509 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,131,819.01 | 5.84 |
| G14013-G14011 | 8 | 327 | 0.015 | 4.3 | 3,218.98 | 0.92 | 418 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,141,297.68 | 5.89 |
| F04101-F04099 | 8 | 267 | 0.007 | 7.8 | 9,152.73 | 0.94 | 526 | 524 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 798,816.77 | 4.12 |
| F07127-F07125 | 8 | 246 | 0.004 | 14 | 23,200.27 | 0.94 | 471 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 588,464.48 | 3.03 |
| E06117-E06115 | 8 | 120 | 0.008 | 7.3 | 8,895.17 | 0.94 | 499 | 498 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 842,552.91 | 4.35 |
| K14089-K14083 | 8 | 252 | 0.004 | 13.1 | 17,494.68 | 0.94 | 318 | 317 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 581,416.75 | 3.00 |
| D08113-D09089 | 10 | 322 | 0.009 | 6.3 | 6,958.25 | 0.94 | 455 | 452 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,615,277.71 | 5.00 |
| H06009-H06007 | 12 | 214 | 0.002 | 24 | 137,361.08 | 0.93 | 439.41 | 439 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,191,103.61 | 2.30 |
| F08049-F08047 | 8 | 388 | 0.005 | 9.8 | 11,133.26 | 0.93 | 446 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 662,654.18 | 3.42 |
| D15011-D15009 | 8 | 260 | 0.006 | 11.6 | 14,641.08 | 0.94 | 480.44 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 686,882.39 | 3.54 |
| G03059-G03027 | 8 | 363 | 0.011 | 14.2 | 5,529.81 | 0.94 | 507 | 503 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 968,867.73 | 5.00 |
| H08025-H08023 | 8 | 75 | 0.013 | 5 | 5,123.34 | 0.94 | 432 | 431 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,065,754.50 | 5.50 |
| F04194-F04193 | 8 | 202 | 0.02 | 3.7 | 2,490.48 | 0.95 | 535.44 | 531.28 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,321,254.42 | 6.81 |
| E14089-E14087 | 8 | 236 | 0.004 | 14.7 | 26,132.96 | 0.94 | 434.01 | 433.13 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 563,602.80 | 2.91 |
| G09059-G09057 | 8 | 247 | 0.004 | 11.7 | 17,105.74 | 0.95 | 421 | 420 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,272.05 | 3.03 |
| G03055-G03029 | 8 | 363 | 0.011 | 13.5 | 5,532.02 | 0.94 | 508 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 968,867.73 | 5.00 |
| F08003-F08001 | 8 | 239 | 0.004 | 10.5 | 13,853.75 | 0.95 | 445 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 597,019.97 | 3.08 |
| G07089-G07087 | 8 | 321 | 0.009 | 7.5 | 7,839.63 | 0.95 | 457 | 454 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 892,269.23 | 4.60 |
| F09021-F09019 | 15 | 261 | 0.004 | 7 | 30,437.31 | 0.94 | 427 | 426 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,054,013.45 | 3.94 |
| H11139-H11131 | 8 | 265 | 0.004 | 13.7 | 18,557.32 | 0.95 | 376 | 375 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 566,976.25 | 2.92 |
| E09047-E09045 | 8 | 385 | 0.005 | 9.3 | 11,209.42 | 0.94 | 438 | 436 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 665,230.94 | 3.43 |
| F06125-F06123 | 8 | 169 | 0.003 | 16.1 | 28,325.57 | 0.95 | 486.5 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 502,029.75 | 2.59 |
| C04047-C04045 | 8 | 289 | 0.004 | 12.4 | 19,467.13 | 0.95 | 822.48 | 821.29 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 592,259.95 | 3.05 |
| E04093-E04091 | 6 | 314 | 0.01 | 14.8 | 6,626.98 | 0.95 | 568 | 565 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 418,903.17 | 3.24 |
| D06079-D06077 | 8 | 262 | 0.008 | 7.4 | 8,942.61 | 0.95 | 545 | 543 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 806,403.05 | 4.16 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| D07051-D07049 | 8 | 120 | 0.042 | 2.3 | 1,030.01 | 0.91 | 511 | 506 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,884,005.59 | 9.72 |
| D03129-E03127 | 8 | 381 | 0.016 | 5.5 | 4,074.87 | 0.94 | 584 | 578 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,158,246.36 | 5.97 |
| C07023-C08005 | 8 | 229 | 0.004 | 13.7 | 24,598.08 | 0.95 | 511 | 510 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 609,916.06 | 3.15 |
| E16009-E16003 | 8 | 283 | 0.007 | 16.6 | 12,155.20 | 0.95 | 479 | 477 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 775,906.85 | 4.00 |
| C07017-C07015 | 8 | 85 | 0.024 | 4.4 | 2,245.92 | 0.97 | 530 | 528 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,415,772.08 | 7.30 |
| F18055-F18053 | 8 | 163.7 | 0.06 | 1.8 | 931.52 | 0.94 | 625.59 | 615.77 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,265,425.31 | 11.68 |
| E08019-E08017 | 8 | 260 | 0.004 | 12.4 | 17,797.98 | 0.95 | 447 | 446 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 572,401.99 | 2.95 |
| F15105-F15103 | 8 | 203 | 0.005 | 12.1 | 18,473.42 | 0.94 | 469 | 468 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 647,798.28 | 3.34 |
| J07119-J07117 | 10 | 163 | 0.003 | 12.6 | 32,895.49 | 0.94 | 414.1 | 413.56 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 963,202.47 | 2.98 |
| F18017-F18015 | 8 | 171 | 0.012 | 6.2 | 5,885.29 | 0.94 | 540 | 538 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 998,170.54 | 5.15 |
| G14055-G14053 | 8 | 206 | 0.01 | 5.3 | 4,794.20 | 0.96 | 413 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 909,429.83 | 4.69 |
| E04095-E04089 | 6 | 311 | 0.01 | 15.7 | 6,626.98 | 0.96 | 565 | 562 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 420,918.75 | 3.26 |
| J07141-J07129 | 10 | 164 | 0.003 | 12 | 27,429.01 | 0.94 | 416.92 | 416.37 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 969,111.91 | 3.00 |
| C02047-C02043 | 8 | 249 | 0.016 | 5.9 | 4,258.60 | 0.94 | 640 | 636 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,169,817.54 | 6.03 |
| G11047-G11045 | 8 | 289 | 0.007 | 7.4 | 8,426.23 | 0.96 | 383 | 381 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 767,810.21 | 3.96 |
| G08041-G09067 | 8 | 314 | 0.006 | 8 | 9,629.71 | 0.95 | 430 | 428 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 736,610.63 | 3.80 |
| D01065-D01063 | 8 | 274 | 0.008 | 0 | 0 | 0 | 603.41 | 601.16 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 836,380.28 | 4.31 |
| F03191-F03185 | 8 | 160 | 0.016 | 5.9 | 3,715.32 | 0.95 | 534.05 | 531.52 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,157,004.72 | 5.97 |
| F15083-F15081 | 8 | 232 | 0.013 | 5.7 | 5,575.34 | 0.96 | 476 | 473 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,049,553.16 | 5.41 |
| F14117-F14115 | 8 | 252 | 0.016 | 5.2 | 4,327.30 | 0.94 | 444 | 440 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,162,833.49 | 6.00 |
| K13015-K13013 | 8 | 200 | 0.038 | 6.5 | 1,226.38 | 0.98 | 331 | 323.4 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,799,200.68 | 9.28 |
| F07143-F08127 | 8 | 315 | 0.01 | 7.2 | 7,559.56 | 0.96 | 464 | 461 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 900,726.95 | 4.65 |
| H14017-J14113 | 8 | 161 | 0.006 | 8.3 | 10,375.41 | 0.96 | 356 | 355 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 727,402.63 | 3.75 |
| D17067-D17059 | 12 | 72 | 0.003 | 15.1 | 62,304.21 | 0.94 | 511.5 | 511.25 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,603,497.38 | 3.10 |
| E09041-E09039 | 8 | 265 | 0.011 | 32 | 4,827.30 | 0.95 | 444 | 441 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 982,031.68 | 5.06 |
| D03071-D03069 | 8 | 291 | 0.01 | 6.8 | 7,920.01 | 0.97 | 613 | 610 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 937,134.53 | 4.83 |
| E06045-E06043 | 8 | 238 | 0.004 | 12.5 | 17,583.80 | 0.96 | 504 | 503 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 598,272.90 | 3.09 |
| E18057-E18055 | 8 | 298 | 0.011 | 7.2 | 7,972.31 | 0.95 | 533.21 | 529.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 987,317.57 | 5.09 |
| D03023-D03021 | 8 | 303 | 0.02 | 4 | 3,411.84 | 0.96 | 614 | 608 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,298,799.52 | 6.70 |
| F06149-F06147 | 8 | 213 | 0.005 | 12.8 | 16,965.75 | 0.95 | 491 | 490 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 632,408.95 | 3.26 |
| G12081-G12071 | 15 | 124 | 0.002 | 11.6 | 69,087.77 | 0.94 | 385.3 | 385 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,426,839.10 | 3.13 |
| D13083-D13081 | 8 | 176 | 0.023 | 7.8 | 2,790.47 | 0.97 | 445 | 441 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,391,430.34 | 7.18 |
| D17083-D17081 | 8 | 232 | 0.004 | 13.1 | 22,234.41 | 0.96 | 502 | 501 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 605,959.80 | 2.87 |
| D13051-D13049 | 10 | 325 | 0.003 | 14.5 | 41,923.81 | 0.96 | 423 | 422 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 928,266.82 | 3.13 |
| E05015-E05013 | 8 | 261 | 0.004 | 13.7 | 20,452.20 | 0.96 | 513 | 512 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 571,304.38 | 2.95 |
| G02021-G02019 | 8 | 196 | 0.003 | 12.4 | 16,594.55 | 0.76 | 512.81 | 512.22 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 506,390.77 | 2.61 |
| H12043-H12041 | 8 | 139 | 0.002 | 19.5 | 36,856.11 | 0.95 | 366 | 365.68 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 442,848.72 | 2.28 |
| D18007-D18005 | 12 | 307 | 0.003 | 11.8 | 45,702.92 | 0.96 | 516 | 515 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,553,085.30 | 3.00 |
| G14021-F14003 | 12 | 291 | 0.003 | 10.1 | 33,606.51 | 0.96 | 415 | 414.04 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,562,980.72 | 3.02 |
| G02005-G02003 | 8 | 362 | 0.004 | 11.3 | 16,119.53 | 0.96 | 524.22 | 522.69 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 600,038.67 | 3.09 |
| E15069-E15067 | 8 | 367 | 0.014 | 5.5 | 5,560.72 | 0.96 | 479 | 474 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,077,307.73 | 5.56 |
| H11151-H11139 | 8 | 536 | 0.007 | 9.7 | 7,725.76 | 0.96 | 380 | 376 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 797,325.05 | 4.11 |
| E17009-D17085 | 8 | 250 | 0.004 | 13.4 | 22,327.18 | 0.96 | 504 | 503 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 583,737.78 | 3.01 |
| H04001-H05049 | 8 | 253 | 0.004 | 20.9 | 53,165.22 | 0.96 | 468 | 467 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 580,266.56 | 2.99 |
| D18005-D18003 | 12 | 296 | 0.003 | 12.5 | 45,970.60 | 0.95 | 515 | 514 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,581,680.07 | 3.06 |
| D15047-D15045 | 8 | 365 | 0.014 | 8.4 | 5,264.70 | 0.96 | 479 | 474 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,080,255.23 | 5.57 |
| E11055-E12177 | 8 | 254 | 0.012 | 6.3 | 6,095.33 | 0.95 | 422 | 419 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,003,070.77 | 5.17 |
| D03001-D04105 | 8 | 223 | 0.004 | 12.6 | 20,941.84 | 0.97 | 617 | 616 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 618,066.74 | 3.19 |
| E04111-E05103 | 6 | 394 | 0.018 | 25.6 | 3,071.15 | 0.95 | 543 | 536 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 571,240.19 | 4.42 |
| G09139-G09127 | 8 | 120 | 0.008 | 9.3 | 11,488.75 | 0.96 | 418 | 417 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 842,552.91 | 4.35 |
| D02071-D02069 | 8 | 131 | 0.015 | 6.2 | 4,831.99 | 0.95 | 616 | 614 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,140,426.12 | 5.88 |
| F04119-F04117 | 8 | 218 | 0.005 | 11.1 | 15,286.10 | 0.96 | 512.7 | 511.62 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 649,638.03 | 3.35 |
| G13005-G12041 | 8 | 260 | 0.008 | 7.8 | 7,582.64 | 0.97 | 393 | 391 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 809,498.65 | 4.17 |
| G03015-G03013 | 8 | 363 | 0.011 | 18 | 6,148.91 | 0.96 | 504 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 968,867.73 | 5.00 |
| C04055-C04053 | 8 | 305 | 0.026 | 3.8 | 2,278.60 | 0.93 | 665 | 657 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,494,799.28 | 7.71 |
| D11097-E11139 | 8 | 249 | 0.02 | 4.4 | 3,250.37 | 0.97 | 433 | 428 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,307,895.77 | 6.75 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| G13111-G13109 | 8 | 248 | 0.004 | 11 | 14,849.41 | 0.97 | 392 | 391 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 586,086.84 | 3.02 |
| C04005-C04003 | 8 | 249 | 0.016 | 4.8 | 4,640.18 | 0.96 | 639 | 635 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,169,817.54 | 6.03 |
| E12027-E12025 | 8 | 235 | 0.009 | 73.9 | 10,486.69 | 0.97 | 416 | 414 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 851,469.06 | 4.39 |
| E15077-E15075 | 8 | 338 | 0.009 | 7.2 | 9,109.63 | 0.96 | 473 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 869,541.04 | 4.48 |
| D01067-D01065 | 8 | 241 | 0.008 | 0 | 0 | 0 | 605.36 | 603.41 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 830,226.50 | 4.28 |
| E12175-E12173 | 8 | 237 | 0.008 | 7.8 | 10,006.65 | 0.97 | 416 | 414 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 847,868.76 | 4.37 |
| J07123-J07121 | 10 | 192 | 0.003 | 12.7 | 32,632.82 | 0.97 | 415.16 | 414.52 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 966,170.74 | 2.99 |
| G09105-G09097 | 8 | 145 | 0.007 | 10.6 | 8,797.83 | 0.97 | 403 | 402 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 766,485.26 | 3.95 |
| H11143-H11141 | 8 | 523 | 0.008 | 7.9 | 7,958.43 | 0.97 | 381 | 377 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 807,173.62 | 4.16 |
| D04015-D05069 | 8 | 275 | 0.018 | 7.6 | 3,984.38 | 0.99 | 611 | 606 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,244,533.13 | 6.42 |
| G12083-G12081 | 15 | 295 | 0.002 | 11.7 | 69,164.14 | 0.96 | 386 | 385.3 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,403,417.46 | 3.10 |
| D09087-D09085 | 8 | 298 | 0.01 | 6.3 | 5,280.49 | 0.97 | 458 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 926,062.51 | 4.78 |
| E12169-E12167 | 8 | 249 | 0.008 | 9.4 | 12,136.95 | 0.97 | 411 | 409 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 827,185.92 | 4.27 |
| K13011-K13009 | 8 | 344 | 0.027 | 6.4 | 1,807.33 | 0.95 | 332 | 322.54 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,530,573.37 | 7.89 |
| E06051-E06049 | 8 | 216 | 0.014 | 5.4 | 4,491.85 | 0.97 | 513 | 510 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,087,731.13 | 5.61 |
| J06067-J07141 | 10 | 162 | 0.003 | 11.6 | 27,515.00 | 0.96 | 417.47 | 416.92 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 975,075.73 | 3.02 |
| D14109-D14087 | 8 | 70 | 0.007 | 9.4 | 11,188.90 | 0.97 | 452.5 | 452 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 780,052.42 | 4.02 |
| D15015-D15013 | 8 | 199 | 0.015 | 5 | 4,645.73 | 0.99 | 488 | 485 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,133,240.00 | 5.84 |
| F09019-F09017 | 15 | 117 | 0.004 | 7 | 30,648.70 | 0.97 | 426 | 425.5 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,225,397.69 | 4.16 |
| E09049-E09047 | 8 | 357 | 0.008 | 7.7 | 6,648.93 | 0.98 | 441 | 438 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 846,085.64 | 4.36 |
| D16063-D16061 | 8 | 149 | 0.007 | 10.7 | 13,419.19 | 0.97 | 485 | 484 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 756,126.87 | 3.90 |
| F06085-F06083 | 8 | 224 | 0.007 | 8.6 | 10,776.44 | 0.98 | 497.59 | 495.91 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 799,315.88 | 4.12 |
| H05021-H05019 | 10 | 284 | 0.007 | 10.9 | 35,127.13 | 0.97 | 461 | 459 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,404,333.76 | 4.35 |
| F10085-F10083 | 8 | 65 | 0.015 | 4.3 | 3,264.57 | 0.96 | 413 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,144,803.98 | 5.90 |
| J15019-K15015 | 8 | 254 | 0.004 | 12.4 | 19,128.88 | 0.97 | 330 | 329 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 579,123.18 | 2.99 |
| F11031-F11029 | 8 | 259 | 0.005 | 11.8 | 17,143.60 | 0.96 | 401 | 399.64 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 668,817.12 | 3.45 |
| E14115-E13089 | 8 | 216 | 0.044 | 5.5 | 1,242.02 | 0.93 | 440 | 430.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,935,631.74 | 9.98 |
| E05021-E05019 | 8 | 249 | 0.008 | 7.9 | 8,719.35 | 0.98 | 519 | 517 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 827,185.92 | 4.27 |
| C04081-D04041 | 8 | 299 | 0.033 | 3.1 | 1,994.52 | 1.01 | 631 | 621 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,687,921.38 | 8.71 |
| E04053-E04051 | 8 | 414 | 0.01 | 7.2 | 8,145.80 | 0.98 | 551 | 547 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 907,230.48 | 4.68 |
| D06103-D06101 | 8 | 370 | 0.019 | 5.3 | 3,368.88 | 0.99 | 545 | 538 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,269,509.53 | 6.55 |
| E02062-E02060 | 8 | 54.8 | 0.007 | 10 | 11,256.04 | 0.98 | 558.3 | 557.91 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 784,374.07 | 4.05 |
| E14135-E14133 | 10 | 330 | 0.009 | 5.9 | 10,825.61 | 0.96 | 440 | 437 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,595,578.46 | 4.94 |
| G13011-G13005 | 8 | 267 | 0.011 | 6 | 4,944.62 | 0.97 | 396 | 393 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 978,346.74 | 5.05 |
| E07065-E07057 | 8 | 315 | 0.006 | 14.8 | 12,094.76 | 0.98 | 481 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 735,440.48 | 3.79 |
| J12079-J12077 | 12 | 285 | 0.007 | 30.4 | 15,792.34 | 0.97 | 359.76 | 357.81 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,250,916.44 | 4.35 |
| H06071-H06069 | 8 | 300 | 0.006 | 9.3 | 10,850.01 | 0.98 | 439.08 | 437.17 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 736,451.01 | 3.80 |
| G07091-G07089 | 8 | 321 | 0.012 | 6 | 5,857.05 | 0.97 | 461 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,030,303.76 | 5.31 |
| G14053-G14051 | 8 | 197 | 0.01 | 6.5 | 5,099.06 | 0.98 | 411 | 409 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 929,971.61 | 4.80 |
| F03041-F03033 | 8 | 250 | 0.012 | 6.8 | 6,343.06 | 0.97 | 524 | 521 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,011,063.49 | 5.21 |
| E10081-E10079 | 8 | 284 | 0.004 | 12.4 | 17,862.01 | 0.98 | 415 | 414 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 547,682.21 | 2.82 |
| E06069-E06065 | 8 | 247 | 0.008 | 7.6 | 8,897.42 | 0.98 | 515 | 513 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 830,528.10 | 4.28 |
| D15069-D15067 | 8 | 74 | 0.014 | 5.3 | 5,879.32 | 0.98 | 490 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,072,931.38 | 5.53 |
| D02037-D02035 | 8 | 295 | 0.017 | 4.9 | 4,272.13 | 0.98 | 627 | 622 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,201,605.21 | 6.20 |
| J11117-J11115 | 8 | 366 | 0.005 | 12.6 | 19,294.89 | 0.96 | 375 | 373 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 682,279.41 | 3.52 |
| C04011-C04009 | 8 | 272 | 0.022 | 3.9 | 3,129.72 | 0.99 | 626 | 620 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,370,815.42 | 7.07 |
| H05023-H05021 | 10 | 285 | 0.007 | 10.9 | 34,671.78 | 0.97 | 463 | 461 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,401,867.85 | 4.34 |
| D03021-D03019 | 8 | 319 | 0.019 | 5 | 4,257.54 | 1 | 608 | 602 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,265,808.74 | 6.53 |
| J14011-J14009 | 8 | 325 | 0.006 | 9.2 | 11,326.60 | 0.98 | 335 | 333 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 724,037.61 | 3.73 |
| F12135-F12133 | 8 | 250 | 0.008 | 8.7 | 12,809.32 | 0.98 | 401 | 399 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 825,529.89 | 4.26 |
| D13071-D13069 | 8 | 62 | 0.004 | 15.5 | 28,323.86 | 0.98 | 430.5 | 430.25 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 586,086.84 | 3.02 |
| G10059-G10057 | 8 | 269 | 0.004 | 13 | 19,711.92 | 0.98 | 395 | 394 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 562,745.03 | 2.90 |
| H09009-H09007 | 8 | 290 | 0.003 | 18.1 | 38,705.68 | 0.97 | 408 | 407 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 541,986.92 | 2.80 |
| E05037-E05035 | 8 | 357 | 0.006 | 23.1 | 16,751.50 | 0.97 | 531 | 529 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 690,826.04 | 3.56 |
| C11011-C11009 | 8 | 181 | 0.006 | 11.9 | 10,804.34 | 0.97 | 558 | 557 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 686,038.55 | 3.54 |
| F15013-G15011 | 8 | 251 | 0.012 | 6.1 | 6,809.27 | 0.97 | 445 | 442 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,009,047.41 | 5.20 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| H05049-H05047 | 8 | 253 | 0.004 | 21.3 | 57,644.02 | 0.98 | 467 | 466 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 580,266.56 | 2.99 |
| E03115-E03113 | 8 | 207 | 0.019 | 5 | 4,013.10 | 0.96 | 577 | 573 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,283,017.65 | 6.62 |
| J11015-J11013 | 8 | 299 | 0.013 | 6.9 | 6,459.89 | 0.99 | 378 | 374 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,067,535.21 | 5.51 |
| E12109-E12107 | 8 | 70 | 0.014 | 8.9 | 5,860.33 | 0.98 | 409 | 408 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,103,160.71 | 5.69 |
| G10057-H10043 | 8 | 269 | 0.004 | 13.2 | 20,938.38 | 0.98 | 394 | 393 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 562,745.03 | 2.90 |
| F11049-F11047 | 8 | 284 | 0.004 | 13.4 | 18,913.46 | 0.99 | 396 | 395 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 547,682.21 | 2.82 |
| H04017-H04015 | 8 | 303 | 0.007 | 12.6 | 25,476.41 | 0.98 | 478 | 476 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 749,862.25 | 3.87 |
| G05001-H05023 | 10 | 286 | 0.007 | 10.8 | 34,363.82 | 0.98 | 465 | 463 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,399,414.89 | 4.33 |
| C10001-D10087 | 8 | 324 | 0.005 | 9.5 | 12,365.93 | 0.98 | 485 | 483.35 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 658,653.91 | 3.40 |
| D14037-D14035 | 8 | 243 | 0.045 | 2.5 | 1,242.02 | 0.94 | 481 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,963,726.55 | 10.13 |
| F04099-F05067 | 8 | 259 | 0.008 | 11.1 | 10,640.08 | 0.99 | 524 | 522 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 811,059.89 | 4.18 |
| C02021-C02019 | 8 | 269 | 0.011 | 9.6 | 6,635.75 | 1 | 639 | 636 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 974,702.98 | 5.03 |
| C07095-C07093 | 8 | 295 | 0.007 | 10 | 12,629.71 | 0.98 | 527 | 525 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 759,961.86 | 3.92 |
| G09151-G09149 | 8 | 190 | 0.01 | 7.2 | 9,386.33 | 0.99 | 425.82 | 424 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 903,330.56 | 4.66 |
| G14023-G14021 | 12 | 266 | 0.004 | 9.8 | 31,327.45 | 0.98 | 416 | 415 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,668,490.28 | 3.23 |
| G05115-G05113 | 8 | 188 | 0.011 | 6.2 | 6,993.04 | 0.98 | 491 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 951,971.35 | 4.91 |
| H09007-H09005 | 8 | 270 | 0.004 | 18.3 | 38,294.20 | 0.98 | 407 | 406 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 561,701.94 | 2.90 |
| D06085-D06073 | 8 | 223 | 0.004 | 14.5 | 18,538.65 | 0.99 | 534 | 533 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 618,066.74 | 3.19 |
| E05061-E05059 | 8 | 421 | 0.012 | 6.4 | 6,621.93 | 0.99 | 532 | 527 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,005,846.62 | 5.19 |
| F09111-F09109 | 8 | 131 | 0.008 | 8.1 | 8,488.39 | 0.99 | 430 | 429 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 806,403.05 | 4.16 |
| D13075-D13073 | 8 | 255 | 0.004 | 16.3 | 26,951.47 | 0.99 | 432 | 431 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 577,986.53 | 2.98 |
| E13013-E13011 | 8 | 300 | 0.01 | 6.8 | 7,885.54 | 0.99 | 427 | 424 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 922,970.47 | 4.76 |
| F06119-F06117 | 10 | 243 | 0.004 | 12.1 | 28,084.51 | 0.99 | 483 | 482 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,073,523.05 | 3.32 |
| F15085-F15083 | 8 | 148 | 0.02 | 4.6 | 3,718.35 | 1 | 479 | 476 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,314,067.21 | 6.78 |
| D14101-D14099 | 8 | 105 | 0.01 | 7.8 | 8,383.65 | 1 | 458 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 900,726.95 | 4.65 |
| G11005-G11003 | 8 | 290 | 0.014 | 4.8 | 4,193.88 | 1 | 384 | 380 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,083,973.85 | 5.59 |
| E18051-D18017 | 8 | 308 | 0.015 | 7 | 7,933.68 | 1 | 528.15 | 523.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,134,067.55 | 5.85 |
| D13103-D13101 | 8 | 275 | 0.029 | 2.8 | 2,173.54 | 0.97 | 513 | 505 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,574,223.73 | 8.12 |
| G10063-G10061 | 8 | 281 | 0.004 | 11.5 | 16,409.07 | 0.99 | 397 | 395.86 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,877.82 | 3.03 |
| F02157-F02155 | 8 | 300 | 0.001 | 34.5 | 69,530.49 | 0.79 | 539.36 | 539.1 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 271,715.15 | 1.40 |
| E12173-E12171 | 8 | 230 | 0.009 | 8.8 | 10,946.73 | 0.99 | 414 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 860,674.40 | 4.44 |
| D02107-D02105 | 8 | 254 | 0.012 | 5.7 | 6,335.19 | 0.99 | 623 | 620 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,003,070.77 | 5.17 |
| H05043-H05025 | 8 | 271 | 0.004 | 23.2 | 66,209.17 | 0.99 | 463 | 462 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 560,664.63 | 2.89 |
| J06077-J06075 | 8 | 34 | 0.012 | 6.8 | 5,301.29 | 0.99 | 426.95 | 426.53 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,025,824.33 | 5.29 |
| K12047-K12045 | 8 | 293 | 0.01 | 8.2 | 6,518.62 | 1 | 355 | 352 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 933,930.64 | 4.82 |
| F08113-F08107 | 12 | 278 | 0.001 | 36.1 | 159,617.00 | 0.99 | 452 | 451.7 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 893,928.38 | 1.73 |
| E08017-E08015 | 8 | 249 | 0.004 | 32.2 | 20,203.40 | 1 | 446 | 445 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 584,908.77 | 3.02 |
| F11015-F11013 | 8 | 390 | 0.008 | 10 | 14,220.42 | 0.99 | 400 | 397 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 809,498.65 | 4.17 |
| D02047-D02021 | 8 | 235 | 0.013 | 9.9 | 5,651.71 | 0.98 | 604 | 601 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,042,832.37 | 5.38 |
| J14073-J14071 | 8 | 126 | 0.004 | 12.8 | 20,442.46 | 0.99 | 336 | 335.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 581,416.75 | 3.00 |
| F12087-F12085 | 8 | 237 | 0.008 | 8.6 | 12,866.30 | 0.99 | 402 | 400 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 847,868.76 | 4.37 |
| F04185-F04183 | 8 | 262 | 0.006 | 12 | 15,214.76 | 0.98 | 529 | 527.54 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 688,991.06 | 3.55 |
| F06097-F06067 | 8 | 160 | 0.013 | 10.6 | 6,951.02 | 0.99 | 488 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,031,912.36 | 5.32 |
| E12037-E12035 | 8 | 254 | 0.008 | 10.5 | 13,343.53 | 1 | 418 | 416 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 819,003.86 | 4.22 |
| E06043-E06041 | 8 | 247 | 0.004 | 18.2 | 21,792.95 | 1 | 503 | 502 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,272.05 | 3.03 |
| D05027-D05025 | 8 | 224 | 0.027 | 3.9 | 2,244.18 | 0.96 | 591 | 585 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,510,565.02 | 7.79 |
| E13011-E13009 | 8 | 304 | 0.01 | 7.6 | 8,788.57 | 1 | 424 | 421 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 916,878.19 | 4.73 |
| E15061-E15059 | 8 | 328 | 0.006 | 13.3 | 17,028.80 | 1 | 462 | 460 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 720,718.85 | 3.72 |
| D03047-D03037 | 8 | 327 | 0.012 | 7.4 | 7,360.39 | 0.99 | 611 | 607 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,020,807.67 | 5.26 |
| E16017-E16015 | 8 | 318 | 0.013 | 13.1 | 6,356.28 | 1 | 482 | 478 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,035,152.28 | 5.34 |
| F02041-F02039 | 8 | 67 | 0.006 | 2.7 | 909.01 | 0.42 | 524.74 | 524.36 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 695,091.86 | 3.58 |
| G10051-G10039 | 8 | 136 | 0.004 | 15.3 | 21,302.94 | 1 | 401.5 | 401 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 559,633.05 | 2.89 |
| D13081-D13079 | 8 | 205 | 0.005 | 12.3 | 20,900.14 | 1.01 | 441 | 440 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 644,630.54 | 3.32 |
| J14071-J14069 | 8 | 120 | 0.004 | 12.6 | 20,169.30 | 1 | 335.5 | 335 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 595,774.88 | 3.07 |
| E03135-E03091 | 8 | 215 | 0.009 | 13.5 | 9,640.41 | 1.01 | 565 | 563 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 890,191.77 | 4.59 |
| E12055-E12053 | 8 | 397 | 0.01 | 7.4 | 8,898.75 | 0.99 | 425 | 421 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 926,451.20 | 4.78 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| F09027-F09023 | 8 | 302 | 0.003 | 16.1 | 29,691.11 | 1 | 429 | 428 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 531,109.83 | 2.74 |
| H13019-H13013 | 8 | 249 | 0.004 | 14.4 | 23,475.72 | 1 | 371.44 | 370.56 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 548,693.06 | 2.83 |
| E04067-E04057 | 8 | 129 | 0.023 | 6.1 | 3,071.15 | 1.01 | 547 | 544 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,407,516.77 | 7.26 |
| K09007-K09005 | 12 | 301 | 0.01 | 9 | 39,745.36 | 0.98 | 384.38 | 381.52 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,652,554.20 | 5.13 |
| F05097-F05087 | 8 | 293 | 0.017 | 7.8 | 4,022.49 | 1 | 515 | 510 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,205,699.27 | 6.22 |
| F10059-F10057 | 8 | 224 | 0.004 | 10.8 | 15,030.23 | 1.01 | 408 | 407 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 616,685.59 | 3.18 |
| H05045-H05043 | 8 | 265 | 0.004 | 23.1 | 65,805.86 | 1 | 464 | 463 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 566,976.25 | 2.92 |
| E12115-E12107 | 8 | 256 | 0.008 | 10.6 | 12,361.56 | 1.01 | 410 | 408 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 815,798.35 | 4.21 |
| F18013-F18011 | 8 | 331 | 0.012 | 16.8 | 8,018.34 | 1.01 | 536 | 532 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,014,620.90 | 5.23 |
| E07071-E07069 | 8 | 244 | 0.016 | 5.1 | 4,418.74 | 0.99 | 489 | 485 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,181,742.60 | 6.09 |
| E01027-E01025 | 8 | 217 | 0.004 | 0 | 0 | 0 | 590.3 | 589.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 560,406.20 | 2.89 |
| G12009-G12007 | 8 | 265 | 0.006 | 18.3 | 11,634.75 | 0.99 | 381 | 379.48 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 699,015.27 | 3.61 |
| G15017-G15013 | 8 | 260 | 0.015 | 5.3 | 5,035.95 | 1.02 | 449 | 445 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,144,803.98 | 5.90 |
| H07015-H07013 | 8 | 264 | 0.003 | 16.5 | 27,486.01 | 1 | 437.19 | 436.3 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 535,896.41 | 2.76 |
| E05113-E05111 | 8 | 201 | 0.005 | 11.5 | 16,982.37 | 1.02 | 518 | 517 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 651,013.18 | 3.36 |
| K11005-K11003 | 18 | 232 | 0.002 | 22.4 | 326,352.30 | 0.98 | 363.36 | 363 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 3,160,446.53 | 2.72 |
| H04013-H04007 | 8 | 304 | 0.006 | 16.1 | 38,413.19 | 1 | 473.68 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 686,128.81 | 3.54 |
| J07125-J07123 | 10 | 137 | 0.004 | 12.4 | 32,707.90 | 1.01 | 415.66 | 415.16 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,010,972.23 | 3.13 |
| G12015-G12013 | 8 | 102 | 0.006 | 8.4 | 10,226.78 | 1 | 384.3 | 383.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 707,886.04 | 3.65 |
| G15011-G15009 | 8 | 262 | 0.011 | 6.9 | 7,783.41 | 1.01 | 442 | 439 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 987,637.99 | 5.09 |
| G12017-G12015 | 8 | 113 | 0.006 | 8.3 | 9,930.35 | 1.01 | 385 | 384.3 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 726,436.41 | 3.75 |
| E04003-E04001 | 8 | 394 | 0.013 | 6.7 | 6,616.34 | 1.01 | 549 | 544 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,039,739.87 | 5.36 |
| H13087-H12067 | 8 | 261 | 0.004 | 13.1 | 21,088.33 | 1.01 | 376 | 375 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 571,304.38 | 2.95 |
| E05111-E05109 | 8 | 211 | 0.005 | 11.9 | 18,998.53 | 1.02 | 517 | 516 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 635,399.08 | 3.28 |
| H06061-H06059 | 8 | 350 | 0.008 | 8.9 | 9,641.43 | 1.02 | 444.4 | 441.6 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 825,529.89 | 4.26 |
| E06067-E06065 | 8 | 96 | 0.021 | 5.8 | 3,368.88 | 1.03 | 515 | 513 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,332,193.13 | 6.87 |
| D05023-D05021 | 8 | 102 | 0.01 | 6.6 | 7,784.57 | 1.01 | 586 | 585 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 913,876.95 | 4.71 |
| G09117-H09013 | 8 | 306 | 0.003 | 18.5 | 39,535.52 | 1.01 | 410 | 409 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 527,627.10 | 2.72 |
| G05113-G05111 | 8 | 176 | 0.011 | 6.7 | 7,581.46 | 1.02 | 489 | 487 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 983,889.83 | 5.07 |
| D07095-D07091 | 8 | 337 | 0.012 | 14.7 | 6,251.96 | 1.03 | 489 | 485 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,005,548.11 | 5.19 |
| D15023-E15025 | 8 | 262 | 0.011 | 7.6 | 8,363.87 | 1.03 | 464 | 461 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 987,637.99 | 5.09 |
| C07091-C07087 | 8 | 293 | 0.007 | 10.7 | 14,799.11 | 1.01 | 524 | 522 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 762,551.18 | 3.93 |
| E12015-E12013 | 8 | 206 | 0.005 | 12.9 | 22,803.42 | 1.01 | 415 | 414 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 643,064.00 | 3.32 |
| G13115-G13113 | 8 | 237 | 0.004 | 11 | 15,356.33 | 1.02 | 395 | 394 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 599,533.75 | 3.09 |
| C02001-D02001 | 8 | 353 | 0.003 | 22.3 | 53,743.56 | 1.01 | 626 | 625 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 491,247.61 | 2.53 |
| D06095-D06021 | 8 | 333 | 0.003 | 24.2 | 32,793.92 | 1.02 | 529 | 528 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 505,784.70 | 2.61 |
| F07157-F08141 | 8 | 314 | 0.01 | 8 | 9,421.28 | 1.02 | 461 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 902,160.09 | 4.65 |
| F17019-F17017 | 12 | 244 | 0.002 | 20.2 | 110,287.03 | 1 | 523 | 522.5 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,231,840.81 | 2.38 |
| K14071-K14069 | 8 | 228 | 0.004 | 12.5 | 20,527.49 | 1.02 | 329 | 328 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 611,252.13 | 3.15 |
| G12011-G12009 | 8 | 354 | 0.006 | 8.9 | 11,266.30 | 1.01 | 383 | 381 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 693,747.09 | 3.58 |
| E08065-E08063 | 8 | 303 | 0.003 | 16.2 | 29,399.69 | 1.02 | 468 | 467 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 530,232.68 | 2.73 |
| D08039-D08007 | 15 | 202 | 0.005 | 20.1 | 44,231.51 | 1 | 457 | 456 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,471,486.77 | 4.48 |
| J07129-J07125 | 10 | 199 | 0.004 | 12.4 | 32,820.78 | 1.01 | 416.37 | 415.66 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 999,579.05 | 3.09 |
| E01029-E01027 | 8 | 220 | 0.004 | 0 | 0 | 0 | 591.1 | 590.3 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 556,572.14 | 2.87 |
| F11021-F11019 | 8 | 394 | 0.005 | 14.6 | 30,419.76 | 1.02 | 398 | 396 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 657,589.23 | 3.39 |
| F12109-F12107 | 8 | 265 | 0.011 | 39.2 | 9,230.28 | 1.02 | 403 | 400 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 982,031.68 | 5.06 |
| E14111-E14093 | 8 | 270 | 0.019 | 8.9 | 4,330.35 | 1 | 440 | 434.98 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,258,513.23 | 6.49 |
| E14133-E14131 | 10 | 367 | 0.011 | 7 | 11,112.31 | 1.01 | 437 | 433 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,747,074.69 | 5.41 |
| F09083-F09081 | 8 | 457 | 0.022 | 14.6 | 2,518.48 | 1.03 | 434 | 424 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,365,305.08 | 7.04 |
| F05091-F05089 | 8 | 377 | 0.011 | 7.8 | 7,381.11 | 1.02 | 515 | 511 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 950,707.95 | 4.90 |
| C02043-C02041 | 8 | 257 | 0.012 | 8.6 | 10,813.13 | 1.03 | 636 | 633.02 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 993,869.53 | 5.13 |
| D10067-D10065 | 8 | 333 | 0.006 | 9.3 | 11,352.65 | 1.01 | 450 | 448 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 715,287.59 | 3.69 |
| F13011-F13009 | 8 | 298 | 0.007 | 8.1 | 9,303.90 | 1.02 | 413 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 756,126.87 | 3.90 |
| D07009-D07141 | 8 | 233 | 0.013 | 7 | 7,300.81 | 1.01 | 490 | 487 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,047,298.48 | 5.40 |
| K11073-K11071 | 8 | 317 | 0.003 | 16.2 | 29,576.78 | 1.02 | 348 | 347 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 518,391.86 | 2.67 |
| K13009-K13007 | 8 | 261 | 0.006 | 10.8 | 15,476.78 | 1.01 | 322.54 | 321 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 708,970.09 | 3.66 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| D15027-D15025 | 8 | 91 | 0.011 | 7 | 8,384.70 | 1.03 | 466 | 465 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 967,535.95 | 4.99 |
| H04025-H04023 | 8 | 127 | 0.016 | 7.9 | 12,749.97 | 1.03 | 478 | 476 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,158,246.36 | 5.97 |
| D05065-D05063 | 8 | 360 | 0.022 | 3.8 | 3,696.89 | 1.03 | 603 | 595 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,375,883.14 | 7.10 |
| G13119-H13079 | 10 | 263 | 0.008 | 7.1 | 9,023.28 | 1.04 | 385 | 383.02 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,452,008.74 | 4.49 |
| F08033-F08031 | 8 | 367 | 0.003 | 16.8 | 29,606.62 | 1.03 | 440 | 439 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 481,786.66 | 2.48 |
| D03033-D03031 | 8 | 329 | 0.021 | 4.3 | 3,982.35 | 1.04 | 618 | 611 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,346,290.80 | 6.94 |
| H13013-H13007 | 8 | 265 | 0.004 | 16 | 25,799.07 | 1.02 | 370.56 | 369.63 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 546,772.10 | 2.82 |
| C04059-C04057 | 8 | 161 | 0.081 | 1.9 | 855.06 | 1 | 681 | 668 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,622,687.49 | 13.53 |
| J08049-J08035 | 8 | 239 | 0.01 | 6.5 | 7,583.90 | 1.03 | 399.24 | 396.88 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 917,159.48 | 4.73 |
| G13071-F13037 | 8 | 226 | 0.005 | 12.7 | 12,625.90 | 1.03 | 405 | 403.84 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 661,245.28 | 3.41 |
| E04059-E04057 | 8 | 267 | 0.011 | 7.6 | 8,134.79 | 1.03 | 547 | 544 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 978,346.74 | 5.05 |
| C06079-C06077 | 8 | 154 | 0.058 | 1.9 | 1,032.18 | 1.05 | 573 | 564 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,231,252.40 | 11.51 |
| K12007-K12005 | 18 | 263 | 0.001 | 24.5 | 375,335.15 | 1.01 | 362.33 | 362 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 2,841,975.20 | 2.44 |
| F15109-F15107 | 8 | 281 | 0.007 | 9.7 | 15,119.76 | 1.03 | 477 | 475 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 778,663.19 | 4.02 |
| E04057-E04049 | 8 | 253 | 0.008 | 10.6 | 12,687.51 | 1.03 | 544 | 542 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 820,620.84 | 4.23 |
| F09097-F09085 | 8 | 227 | 0.004 | 19.3 | 19,786.17 | 1.03 | 426 | 425 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 612,597.02 | 3.16 |
| E11049-E11047 | 8 | 291 | 0.021 | 5.5 | 4,424.74 | 1.05 | 428 | 422 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,325,308.36 | 6.84 |
| E11029-F11023 | 8 | 386 | 0.005 | 14 | 28,037.86 | 1.03 | 403 | 401 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 664,368.68 | 3.43 |
| J14117-J14115 | 8 | 318 | 0.003 | 100 | 34,810.81 | 1.02 | 334 | 333 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 517,576.14 | 2.67 |
| F13101-F12103 | 8 | 307 | 0.007 | 11.1 | 18,108.71 | 1.03 | 411 | 409 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 744,961.14 | 3.84 |
| G08019-G08017 | 8 | 318 | 0.005 | 10.5 | 15,695.06 | 1.02 | 442.74 | 441 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 682,729.82 | 3.52 |
| D06099-D06097 | 8 | 326 | 0.006 | 10 | 14,295.10 | 1.02 | 534 | 532 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 722,926.27 | 3.73 |
| F08007-F08005 | 8 | 213 | 0.019 | 4.8 | 3,323.38 | 1.03 | 451 | 447 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,264,817.89 | 6.52 |
| F04167-F04165 | 8 | 251 | 0.004 | 15.2 | 27,449.30 | 1.03 | 527 | 526 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 582,573.80 | 3.00 |
| F09113-F09111 | 8 | 102 | 0.009 | 7.1 | 8,072.57 | 1.04 | 430.9 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 866,979.79 | 4.47 |
| D01029-D01027 | 8 | 278 | 0.011 | 7.1 | 9,080.65 | 1.03 | 622 | 619 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 958,795.61 | 4.94 |
| G04107-G04105 | 12 | 262 | 0.015 | 3.5 | 6,944.89 | 1.01 | 502 | 498 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,362,357.19 | 6.50 |
| D17085-D17083 | 8 | 194 | 0.005 | 12.8 | 22,270.38 | 1.04 | 503 | 502 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 662,654.18 | 3.42 |
| H08023-H08021 | 8 | 57 | 0.018 | 4.7 | 5,073.28 | 1.02 | 431 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,222,504.25 | 6.30 |
| H11031-H11029 | 8 | 28 | 0.036 | 3.5 | 1,638.68 | 1.07 | 373 | 372 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,744,250.24 | 9.00 |
| E06059-E06057 | 8 | 253 | 0.012 | 7 | 6,737.77 | 1.05 | 511 | 508 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,005,051.17 | 5.18 |
| K11013-K11011 | 18 | 328 | 0.002 | 25.7 | 323,286.06 | 1.01 | 364 | 363.5 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 3,132,486.94 | 2.69 |
| E18061-E18059 | 8 | 329 | 0.013 | 6.3 | 8,010.90 | 1.02 | 541.8 | 537.6 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,042,832.37 | 5.38 |
| J14007-J14005 | 8 | 213 | 0.005 | 11.9 | 19,075.43 | 1.04 | 332 | 331 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 632,408.95 | 3.26 |
| D15065-D15053 | 8 | 370 | 0.011 | 8.4 | 9,128.71 | 1.04 | 480 | 476 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 959,659.00 | 4.95 |
| E16043-E16041 | 8 | 229 | 0.013 | 8 | 7,181.20 | 1.05 | 485 | 482 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,056,405.60 | 5.45 |
| E05151-E05149 | 8 | 254 | 0.008 | 8.3 | 11,357.50 | 1.04 | 518 | 516 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 819,003.86 | 4.22 |
| F14029-F14027 | 8 | 345 | 0.006 | 9 | 11,646.19 | 1.03 | 435 | 433 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 702,737.71 | 3.62 |
| H13029-H13027 | 8 | 48 | 0.006 | 10.8 | 11,376.43 | 1.02 | 373.2 | 372.9 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 729,672.23 | 3.76 |
| E14025-E14023 | 8 | 220 | 0.005 | 13.9 | 25,589.85 | 1.04 | 455 | 454 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 622,266.57 | 3.21 |
| F12103-F12101 | 8 | 327 | 0.006 | 11.6 | 19,931.09 | 1.02 | 409 | 407 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 721,820.03 | 3.72 |
| E11033-E11031 | 8 | 395 | 0.005 | 13.7 | 26,288.27 | 1.03 | 408 | 406 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 656,756.31 | 3.39 |
| E05019-E05017 | 8 | 266 | 0.008 | 9.4 | 11,930.75 | 1.04 | 517 | 515 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 800,316.90 | 4.13 |
| E05007-E05005 | 8 | 310 | 0.023 | 4.9 | 3,332.36 | 1.05 | 535 | 528 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,386,934.59 | 7.15 |
| E04101-E04099 | 8 | 265 | 0.011 | 7.2 | 8,620.15 | 1.04 | 554 | 551 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 982,031.68 | 5.06 |
| F14001-F13049 | 12 | 256 | 0.005 | 9.7 | 33,673.83 | 1.02 | 412 | 410.83 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,839,659.49 | 3.56 |
| G02029-G02027 | 8 | 240 | 0.004 | 11.5 | 16,416.49 | 0.82 | 511.36 | 510.38 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 589,787.04 | 3.04 |
| E18059-E18057 | 8 | 323 | 0.014 | 6.3 | 7,989.92 | 1.03 | 537.6 | 533.21 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,076,016.19 | 5.55 |
| H04015-H04013 | 8 | 297 | 0.008 | 14.2 | 26,087.84 | 1.04 | 476 | 473.68 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 815,743.41 | 4.21 |
| E14105-E14093 | 8 | 360 | 0.014 | 9.6 | 7,092.25 | 1.03 | 439.98 | 434.98 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,087,731.13 | 5.61 |
| J12015-J12027 | 30 | 257 | 0.001 | 12.7 | 413,961.84 | 1.02 | 359.38 | 359 | Vitrified Clay Pipe-Circular-30 inch | 4.9 | 12,046,561.19 | 3.80 |
| E03065-E03063 | 8 | 106 | 0.009 | 8.3 | 11,123.02 | 1.04 | 575 | 574 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 896,468.17 | 4.62 |
| E13101-E13099 | 10 | 378 | 0.005 | 11.5 | 28,202.26 | 1.04 | 427 | 425 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,217,260.72 | 3.77 |
| H11157-H11129 | 8 | 530 | 0.009 | 12 | 7,823.59 | 1.04 | 379 | 374 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 896,468.17 | 4.62 |
| C06077-C06075 | 8 | 246 | 0.041 | 3.2 | 1,461.42 | 1.05 | 564 | 554 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,860,888.08 | 9.60 |
| E04037-E04035 | 8 | 392 | 0.01 | 10 | 10,114.99 | 1.04 | 548 | 544 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 932,340.97 | 4.81 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| F13047-F13045 | 12 | 331 | 0.005 | 9.2 | 33,576.26 | 1.02 | 410.61 | 409 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,897,856.80 | 3.67 |
| D03075-D03073 | 8 | 297 | 0.017 | 5.3 | 5,678.79 | 1.06 | 623 | 618 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,197,552.56 | 6.18 |
| E13085-E13079 | 8 | 255 | 0.004 | 16.9 | 35,916.25 | 1.04 | 430 | 429 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 577,986.53 | 2.98 |
| E03053-E03051 | 6 | 314 | 0.013 | 12.6 | 6,614.22 | 1.05 | 573 | 569 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 483,707.72 | 3.74 |
| E03069-E03049 | 6 | 314 | 0.013 | 16.5 | 6,614.22 | 1.05 | 570 | 566 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 483,707.72 | 3.74 |
| F07135-F08121 | 8 | 314 | 0.01 | 8.1 | 10,769.96 | 1.05 | 463 | 460 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 902,160.09 | 4.65 |
| D13027-D13025 | 8 | 247 | 0.004 | 14.6 | 26,872.80 | 1.05 | 428 | 427 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,272.05 | 3.03 |
| D05091-D05089 | 8 | 277 | 0.029 | 3.5 | 2,844.68 | 1.06 | 601 | 593 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,568,530.31 | 8.09 |
| G03051-G03031 | 8 | 359 | 0.014 | 12.7 | 5,838.21 | 1.04 | 510 | 505 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,089,245.03 | 5.62 |
| F03177-F04177 | 8 | 264 | 0.008 | 9.6 | 12,825.96 | 1.05 | 537 | 535 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 803,342.68 | 4.14 |
| D18003-D18001 | 12 | 263 | 0.004 | 14.7 | 62,604.77 | 1.04 | 514 | 513 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,677,979.40 | 3.25 |
| E06057-E06055 | 8 | 244 | 0.008 | 14.7 | 11,113.02 | 1.05 | 508 | 506 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 835,618.20 | 4.31 |
| J11007-J11005 | 8 | 297 | 0.024 | 5.1 | 3,822.12 | 1.05 | 381 | 374 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,416,963.30 | 7.31 |
| F02039-G02053 | 8 | 176 | 0.005 | 2.9 | 905.4 | 0.41 | 524.36 | 523.41 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 678,099.27 | 3.50 |
| L14039-K14083 | 8 | 228 | 0.009 | 10.9 | 9,880.80 | 1.05 | 319 | 317 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 864,441.05 | 4.46 |
| J15021-J15019 | 8 | 45 | 0.006 | 11.5 | 16,416.74 | 1.06 | 330.25 | 330 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 687,941.57 | 3.55 |
| F01001-F02047 | 8 | 457 | 0.006 | 0.8 | 0 | 0 | 532.57 | 529.97 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 696,171.73 | 3.59 |
| G02027-G02025 | 8 | 99 | 0.004 | 11.5 | 16,457.63 | 0.83 | 511.77 | 511.36 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 593,966.76 | 3.06 |
| F07017-F07015 | 8 | 220 | 0.005 | 15.4 | 31,890.12 | 1.05 | 453 | 452 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 622,266.57 | 3.21 |
| H09005-H09003 | 8 | 270 | 0.004 | 21.7 | 43,737.67 | 1.04 | 406 | 405 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 561,701.94 | 2.90 |
| H11133-H11131 | 8 | 529 | 0.009 | 11 | 8,228.49 | 1.06 | 380 | 375 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 897,315.09 | 4.63 |
| D07087-D07085 | 8 | 97 | 0.031 | 4.7 | 2,245.92 | 1.02 | 508 | 505 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,623,164.62 | 8.37 |
| G08117-G08115 | 12 | 399 | 0.005 | 11.6 | 33,852.43 | 1.04 | 436 | 434 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,926,606.62 | 3.73 |
| D03043-D03041 | 8 | 313 | 0.019 | 4.5 | 4,552.91 | 1.04 | 623 | 617 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,277,883.50 | 6.59 |
| J14111-J14109 | 8 | 216 | 0.005 | 12.6 | 19,960.68 | 1.06 | 353 | 352 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 628,001.86 | 3.24 |
| H13001-G13107 | 8 | 374 | 0.003 | 17.4 | 31,394.59 | 1.06 | 392 | 391 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 477,256.67 | 2.46 |
| E13077-E13075 | 8 | 316 | 0.003 | 22.8 | 48,890.85 | 1.06 | 427 | 426 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 519,211.46 | 2.68 |
| J08035-J08033 | 8 | 179 | 0.011 | 12.2 | 7,392.11 | 1.06 | 396.88 | 394.87 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 978,046.09 | 5.04 |
| D14075-D14073 | 8 | 264 | 0.042 | 2.8 | 1,863.03 | 1.07 | 474 | 463 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,884,005.59 | 9.72 |
| G13107-G13105 | 8 | 352 | 0.003 | 17.3 | 31,973.96 | 1.05 | 391 | 390 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 491,944.91 | 2.54 |
| D06121-D06119 | 8 | 228 | 0.013 | 11.6 | 6,438.48 | 1.05 | 525 | 522 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,058,719.74 | 5.46 |
| H11037-H11035 | 8 | 238 | 0.013 | 85 | 5,310.53 | 1.08 | 373 | 369.92 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,049,964.67 | 5.42 |
| E16087-E16085 | 6 | 100 | 0.02 | 9 | 3,799.34 | 1.04 | 504 | 502 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 606,084.03 | 4.69 |
| K11015-K11013 | 18 | 323 | 0.002 | 21.7 | 323,662.98 | 1.04 | 364.5 | 364 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 3,156,639.09 | 2.71 |
| F15015-F15013 | 8 | 163 | 0.026 | 5.1 | 2,727.50 | 1.06 | 457 | 452.78 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,485,081.30 | 7.66 |
| F06129-F06127 | 8 | 127 | 0.004 | 15.1 | 28,467.82 | 1.06 | 487.5 | 487 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 579,123.18 | 2.99 |
| E15079-E15077 | 8 | 334 | 0.018 | 6 | 5,452.00 | 1.04 | 479 | 473 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,237,058.39 | 6.38 |
| C04019-D04037 | 12 | 277 | 0.018 | 5.9 | 6,772.56 | 1.04 | 636 | 631 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,656,028.86 | 7.07 |
| D10031-D10029 | 8 | 313 | 0.006 | 11.8 | 12,275.57 | 1.05 | 454 | 452 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 737,786.38 | 3.81 |
| G09147-G09145 | 8 | 49 | 0.012 | 7 | 9,739.96 | 1.06 | 422.33 | 421.76 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 995,467.75 | 5.13 |
| H10005-H10003 | 12 | 500 | 0.004 | 12.8 | 46,080.41 | 1.05 | 385 | 383 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,721,053.99 | 3.33 |
| F19001-F18035 | 8 | 250 | 0.003 | 20.7 | 47,927.07 | 1.06 | 549.64 | 549 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 508,319.26 | 2.62 |
| K11041-K11039 | 8 | 285 | 0.007 | 9.8 | 12,668.64 | 1.06 | 358 | 356 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 773,179.58 | 3.99 |
| G04105-G04087 | 12 | 342 | 0.015 | 12.9 | 8,146.18 | 1.06 | 498 | 493 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,290,307.20 | 6.36 |
| D09025-C09003 | 8 | 230 | 0.004 | 13 | 20,801.82 | 1.07 | 455.74 | 454.82 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 583,737.78 | 3.01 |
| J14119-J14117 | 8 | 311 | 0.003 | 38 | 35,010.81 | 1.06 | 335 | 334 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 523,368.54 | 2.70 |
| K14069-K15009 | 8 | 195 | 0.005 | 12.6 | 20,515.64 | 1.06 | 328 | 327 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 660,952.88 | 3.41 |
| D16089-E16037 | 8 | 203 | 0.005 | 15.4 | 29,346.05 | 1.06 | 497 | 496 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 647,798.28 | 3.34 |
| E06109-F06069 | 8 | 360 | 0.006 | 12.5 | 23,008.27 | 1.07 | 493 | 491 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 687,941.57 | 3.55 |
| J15013-J14023 | 8 | 152 | 0.007 | 15.9 | 14,042.97 | 1.05 | 342 | 341 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 748,627.91 | 3.86 |
| E15067-E15065 | 8 | 280 | 0.014 | 6 | 7,403.79 | 1.05 | 474 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,103,160.71 | 5.69 |
| C06035-C06015 | 8 | 293 | 0.007 | 14.4 | 14,416.08 | 1.07 | 541 | 539 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 762,551.18 | 3.93 |
| E11041-E11039 | 8 | 321 | 0.006 | 11.4 | 19,193.55 | 1.05 | 417 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 728,534.78 | 3.76 |
| K14023-K14021 | 18 | 238 | 0.001 | 26.1 | 364,261.19 | 1.05 | 322 | 321.78 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 2,439,293.46 | 2.10 |
| F02043-F02041 | 8 | 159 | 0.007 | 2.7 | 917.68 | 0.45 | 525.78 | 524.74 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 746,458.92 | 3.85 |
| H11131-H11129 | 8 | 264 | 0.004 | 16.3 | 27,986.29 | 1.06 | 375 | 374 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 568,049.06 | 2.93 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| H08005-H08003 | 12 | 207 | 0.003 | 13.1 | 58,401.07 | 1.05 | 427.44 | 426.73 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,593,707.07 | 3.08 |
| C03055-D03053 | 8 | 298 | 0.04 | 4.1 | 1,994.43 | 1.08 | 635 | 623 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,852,125.02 | 9.55 |
| G02025-G02021 | 8 | 106 | 0.004 | 11.4 | 16,501.53 | 0.84 | 512.22 | 511.77 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 601,369.13 | 3.10 |
| G09149-G09147 | 8 | 143 | 0.012 | 7 | 9,734.43 | 1.07 | 424 | 422.33 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 997,419.89 | 5.14 |
| F15081-F15077 | 8 | 225 | 0.013 | 6.4 | 7,734.52 | 1.06 | 473 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,065,754.50 | 5.50 |
| G09043-G09041 | 8 | 142 | 0.007 | 13.9 | 14,173.49 | 1.06 | 422 | 421 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 774,539.61 | 3.99 |
| D03117-D03115 | 6 | 73 | 0.027 | 5.6 | 3,042.21 | 1.09 | 581 | 579 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 709,367.70 | 5.49 |
| G04055-H04027 | 8 | 244 | 0.016 | 8 | 12,999.45 | 1.06 | 484 | 480 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,181,742.60 | 6.09 |
| G08093-G08091 | 8 | 270 | 0.007 | 9.9 | 16,249.27 | 1.07 | 446 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 794,366.50 | 4.10 |
| J06085-J06075 | 10 | 300 | 0.005 | 9.6 | 23,056.02 | 1.08 | 428.07 | 426.53 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,198,986.36 | 3.71 |
| D14023-D14021 | 8 | 193 | 0.067 | 2.2 | 1,240.94 | 1.07 | 523 | 510 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,395,415.35 | 12.35 |
| G15071-G15057 | 8 | 253 | 0.012 | 8.7 | 5,984.88 | 1.07 | 425 | 422 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,005,051.17 | 5.18 |
| E08071-E08069 | 8 | 62 | 0.032 | 4.4 | 2,245.92 | 1.03 | 465 | 463 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,657,703.90 | 8.55 |
| G09125-G09119 | 8 | 352 | 0.006 | 15.5 | 24,957.40 | 1.07 | 413 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 695,715.17 | 3.59 |
| E14023-E14021 | 8 | 203 | 0.005 | 27.2 | 26,782.94 | 1.07 | 454 | 453 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 647,798.28 | 3.34 |
| F12101-F12099 | 8 | 312 | 0.006 | 12.1 | 21,749.48 | 1.05 | 407 | 405 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 738,967.79 | 3.81 |
| J11013-J11011 | 8 | 325 | 0.009 | 8.3 | 12,579.12 | 1.07 | 374 | 371 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 886,761.35 | 4.57 |
| G12013-G12011 | 8 | 99 | 0.007 | 8.5 | 10,531.32 | 1.07 | 383.7 | 383 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 776,102.76 | 4.00 |
| C04009-D05071 | 8 | 271 | 0.022 | 6.8 | 4,548.23 | 1.09 | 620 | 614 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,373,342.27 | 7.08 |
| F07151-F08137 | 8 | 317 | 0.013 | 7.2 | 8,029.89 | 1.08 | 463 | 459 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,036,783.73 | 5.35 |
| G02017-G02015 | 8 | 221 | 0.004 | 11.6 | 16,416.71 | 0.85 | 514.25 | 513.38 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 579,096.98 | 2.99 |
| G15057-G15035 | 8 | 147 | 0.005 | 12 | 18,951.99 | 1.07 | 422 | 421.31 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 632,344.41 | 3.26 |
| E12127-E12001 | 8 | 225 | 0.013 | 32.7 | 9,530.90 | 1.09 | 405 | 402 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,065,754.50 | 5.50 |
| D07003-D07001 | 8 | 213 | 0.005 | 27.2 | 21,996.29 | 1.08 | 487 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 632,408.95 | 3.26 |
| D06101-D06099 | 8 | 381 | 0.01 | 8.3 | 8,895.50 | 1.08 | 538 | 534 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 945,704.19 | 4.88 |
| F12099-F12097 | 8 | 322 | 0.006 | 12.3 | 23,570.47 | 1.06 | 405 | 403 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 727,402.63 | 3.75 |
| D06089-D06087 | 8 | 321 | 0.009 | 8.1 | 10,236.45 | 1.08 | 541 | 538 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 892,269.23 | 4.60 |
| D19001-D18055 | 8 | 227 | 0.02 | 5.6 | 7,928.25 | 1.06 | 543.62 | 539.08 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,302,411.76 | 6.72 |
| J12041-J12039 | 21 | 321 | 0.001 | 27.5 | 623,299.47 | 1.07 | 359.77 | 359.46 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 3,760,921.70 | 2.42 |
| F07055-F07053 | 8 | 323 | 0.011 | 7.9 | 12,220.16 | 1.07 | 466 | 462.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 960,772.51 | 4.96 |
| D08083-D08113 | 8 | 219 | 0.014 | 5.7 | 6,072.35 | 1.06 | 458 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,080,255.23 | 5.57 |
| F11011-F11009 | 8 | 393 | 0.008 | 47.2 | 19,416.24 | 1.07 | 395 | 392 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 806,403.05 | 4.16 |
| F07149-F07147 | 8 | 338 | 0.012 | 9.1 | 10,516.38 | 1.07 | 468 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,004,059.51 | 5.18 |
| H09013-H09011 | 8 | 114 | 0.004 | 19.4 | 39,267.21 | 1.07 | 409 | 408.53 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 592,630.93 | 3.06 |
| G14005-G13059 | 8 | 286 | 0.01 | 10.4 | 6,689.96 | 1.08 | 407 | 404 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 945,290.77 | 4.88 |
| E18015-E18009 | 12 | 110 | 0.009 | 7.3 | 19,220.24 | 1.06 | 520.5 | 519.56 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,515,544.95 | 4.87 |
| J06087-J06085 | 10 | 150 | 0.005 | 9.7 | 23,386.84 | 1.09 | 428.84 | 428.07 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,198,986.36 | 3.71 |
| F08127-F08125 | 8 | 315 | 0.01 | 8.5 | 11,749.34 | 1.08 | 461 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 900,726.95 | 4.65 |
| J14107-J14105 | 8 | 269 | 0.004 | 15.3 | 28,578.18 | 1.08 | 351 | 350 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 562,745.03 | 2.90 |
| D07007-D07005 | 8 | 231 | 0.013 | 6.6 | 6,650.79 | 1.08 | 491 | 488 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,051,822.47 | 5.42 |
| F11033-F11031 | 8 | 285 | 0.007 | 10.6 | 16,879.67 | 1.08 | 403 | 401 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 773,179.58 | 3.99 |
| E06115-E06113 | 8 | 263 | 0.011 | 9.2 | 9,807.68 | 1.09 | 498 | 495 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 985,758.57 | 5.08 |
| C02005-C02003 | 8 | 323 | 0.003 | 21.9 | 54,272.24 | 1.08 | 628 | 627 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 513,554.51 | 2.65 |
| H10059-H10057 | 8 | 300 | 0.002 | 20.5 | 41,226.63 | 1.08 | 386.7 | 386 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 445,837.09 | 2.30 |
| E04081-E04079 | 8 | 318 | 0.006 | 11.4 | 18,370.78 | 1.07 | 561 | 559 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 731,963.20 | 3.78 |
| D03051-D03049 | 8 | 292 | 0.021 | 5 | 5,113.24 | 1.08 | 622 | 616 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,323,037.05 | 6.82 |
| F14021-F14019 | 8 | 294 | 0.006 | 9.6 | 13,745.31 | 1.06 | 426.91 | 425 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 743,927.86 | 3.84 |
| J12039-J12037 | 21 | 266 | 0.001 | 34 | 608,810.14 | 1.07 | 359.46 | 359.19 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 3,855,733.64 | 2.49 |
| D17077-D16091 | 8 | 197 | 0.005 | 14.1 | 28,224.28 | 1.08 | 499 | 498 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 657,589.23 | 3.39 |
| K14013-K13005 | 18 | 257 | 0.001 | 26.8 | 392,561.47 | 1.07 | 320.25 | 320 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 2,502,330.28 | 2.15 |
| G08121-G08119 | 12 | 169 | 0.005 | 10.1 | 33,032.70 | 1.06 | 437.38 | 436.5 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,963,642.77 | 3.80 |
| G04113-G04111 | 8 | 247 | 0.012 | 8.7 | 8,500.48 | 1.08 | 496 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,017,185.03 | 5.25 |
| F04071-F05061 | 8 | 266 | 0.007 | 14.4 | 15,823.17 | 1.08 | 516.88 | 515 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 775,936.02 | 4.00 |
| C02013-C02011 | 8 | 300 | 0.003 | 20 | 46,588.64 | 1.08 | 632 | 631 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 532,877.25 | 2.75 |
| J12019-J12015 | 21 | 364 | 0.002 | 18.5 | 373,992.87 | 1.06 | 360 | 359.38 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 4,994,719.62 | 3.22 |
| D02059-D02057 | 8 | 265 | 0.004 | 17.6 | 38,143.40 | 1.08 | 609 | 608 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 566,976.25 | 2.92 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| D12019-E12055 | 8 | 395 | 0.018 | 6 | 5,815.79 | 1.1 | 432 | 425 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,228,678.56 | 6.34 |
| D17071-D17069 | 12 | 51 | 0.005 | 12.4 | 62,320.49 | 1.06 | 512 | 511.75 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,905,238.79 | 3.68 |
| G09045-G09043 | 8 | 139 | 0.007 | 9.4 | 14,187.13 | 1.08 | 423 | 422 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 782,853.34 | 4.04 |
| G13061-G13059 | 8 | 299 | 0.003 | 14.8 | 25,282.43 | 1.08 | 405 | 404 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 533,767.61 | 2.75 |
| E02045-E02043 | 8 | 326 | 0.008 | 0 | 0 | 0 | 583.71 | 581.03 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 836,847.66 | 4.32 |
| D10035-D10033 | 8 | 323 | 0.025 | 4.7 | 2,757.70 | 1.09 | 467 | 459 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,452,551.50 | 7.49 |
| E13109-E13107 | 8 | 266 | 0.004 | 16.9 | 32,689.48 | 1.09 | 421 | 420 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 565,909.51 | 2.92 |
| H08029-H08017 | 8 | 246 | 0.008 | 12.4 | 14,881.26 | 1.08 | 430 | 428 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 832,214.45 | 4.29 |
| C03059-D03077 | 8 | 290 | 0.041 | 4.4 | 2,278.26 | 1.12 | 636 | 624 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,877,497.78 | 9.68 |
| H13005-H13003 | 8 | 255 | 0.004 | 15.6 | 29,495.34 | 1.08 | 369 | 368 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 577,986.53 | 2.98 |
| K11069-K12037 | 8 | 322 | 0.003 | 18.4 | 37,815.74 | 1.09 | 346 | 345 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 514,351.33 | 2.65 |
| D01031-D01029 | 8 | 276 | 0.014 | 6.4 | 7,387.85 | 1.08 | 626 | 622 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,111,125.88 | 5.73 |
| D03073-D03071 | 8 | 306 | 0.016 | 6.1 | 7,087.56 | 1.1 | 618 | 613 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,179,810.06 | 6.08 |
| D02099-D02097 | 8 | 301 | 0.007 | 10.7 | 17,970.87 | 1.07 | 615 | 613 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 752,349.36 | 3.88 |
| G02015-G02013 | 8 | 222 | 0.004 | 11.6 | 16,516.09 | 0.87 | 515.13 | 514.25 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 581,102.38 | 3.00 |
| F06065-F06063 | 8 | 137 | 0.002 | 28.7 | 77,881.40 | 1.09 | 482 | 481.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 431,904.92 | 2.23 |
| G09145-G09141 | 8 | 145 | 0.012 | 8.2 | 10,095.39 | 1.09 | 421.76 | 420 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,016,857.60 | 5.24 |
| D03049-D03047 | 8 | 301 | 0.017 | 5.8 | 6,809.81 | 1.09 | 616 | 611 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,189,568.79 | 6.14 |
| D16035-D16017 | 8 | 200 | 0.035 | 9.2 | 2,479.24 | 1.07 | 500 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,726,719.64 | 8.91 |
| G12039-G12037 | 8 | 219 | 0.009 | 8.4 | 10,345.46 | 1.09 | 390 | 388 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 882,024.70 | 4.55 |
| D10057-D10027 | 8 | 367 | 0.005 | 13.8 | 16,369.18 | 1.09 | 448 | 446 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 681,349.24 | 3.51 |
| E12065-E12063 | 8 | 250 | 0.004 | 16.3 | 33,717.61 | 1.09 | 413 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 583,737.78 | 3.01 |
| F19010-F19009 | 12 | 300 | 0.005 | 9.5 | 34,792.91 | 1.09 | 563.97 | 563.29 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,863,523.84 | 3.60 |
| F11047-F11045 | 8 | 258 | 0.004 | 14.7 | 24,655.17 | 1.09 | 395 | 394 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 574,616.32 | 2.96 |
| H13069-H13067 | 12 | 236 | 0.007 | 5.4 | 13,130.66 | 1.09 | 374.75 | 373 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,343,297.99 | 4.53 |
| F15057-F15055 | 8 | 246 | 0.008 | 10 | 17,380.95 | 1.09 | 456 | 454 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 832,214.45 | 4.29 |
| F08137-F08135 | 8 | 315 | 0.01 | 8.8 | 12,223.87 | 1.1 | 459 | 456 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 900,726.95 | 4.65 |
| G09075-G10035 | 8 | 262 | 0.004 | 14.5 | 25,514.10 | 1.09 | 401 | 400 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 570,213.06 | 2.94 |
| D01037-D01035 | 8 | 344 | 0.015 | 6.3 | 8,234.24 | 1.1 | 621 | 616 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,112,739.71 | 5.74 |
| G14085-G14067 | 8 | 325 | 0.005 | 15.5 | 34,503.21 | 1.09 | 417.18 | 415.48 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 667,529.69 | 3.44 |
| D10069-D10067 | 8 | 363 | 0.019 | 6.4 | 3,782.01 | 1.08 | 457 | 450 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,281,691.53 | 6.61 |
| G12067-G12065 | 15 | 301 | 0.003 | 11.2 | 74,852.05 | 1.08 | 382 | 381 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,843,858.29 | 3.67 |
| J12027-J12025 | 30 | 288 | 0.002 | 12.1 | 413,425.98 | 1.07 | 359 | 358.49 | Vitrified Clay Pipe-Circular-30 inch | 4.9 | 13,183,377.82 | 4.16 |
| D11051-D11025 | 8 | 304 | 0.006 | 13.4 | 14,494.64 | 1.1 | 471 | 469.2 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 710,210.79 | 3.66 |
| D06081-D06079 | 8 | 357 | 0.017 | 6.2 | 5,695.85 | 1.1 | 551 | 545 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,196,545.79 | 6.17 |
| K15009-K15007 | 8 | 205 | 0.005 | 33.1 | 23,774.13 | 1.09 | 327 | 326 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 644,630.54 | 3.32 |
| E01017-E01015 | 8 | 267 | 0.005 | 0.3 | 0 | 0 | 588.73 | 587.4 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 651,415.36 | 3.36 |
| C06081-C06079 | 8 | 135 | 0.104 | 1.4 | 687.96 | 1.08 | 587 | 573 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,972,247.30 | 15.33 |
| E10061-E10059 | 8 | 257 | 0.002 | 27.2 | 65,788.27 | 1.09 | 424.5 | 424 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 407,104.82 | 2.10 |
| E13023-E13021 | 12 | 254 | 0.001 | 56.8 | 471,047.76 | 1.09 | 424 | 423.8 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 763,594.23 | 1.48 |
| E06089-E06087 | 8 | 250 | 0.008 | 10.4 | 13,293.12 | 1.1 | 503 | 501 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 825,529.89 | 4.26 |
| H13003-H12045 | 8 | 258 | 0.004 | 15.9 | 31,410.78 | 1.09 | 368 | 367 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 574,616.32 | 2.96 |
| F04187-F04165 | 8 | 8 | 0.125 | 8.4 | 622.62 | 1.2 | 527 | 526 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,263,193.40 | 16.83 |
| E07077-E07075 | 8 | 281 | 0.014 | 7 | 6,675.41 | 1.09 | 476 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,101,196.04 | 5.68 |
| D06091-D06089 | 8 | 349 | 0.02 | 5.9 | 4,491.85 | 1.09 | 548 | 541 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,307,146.05 | 6.74 |
| D10117-D10115 | 8 | 99 | 0.005 | 13.3 | 17,673.19 | 1.1 | 436.72 | 436.22 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,926.55 | 3.38 |
| E12177-E12175 | 8 | 251 | 0.012 | 7.3 | 9,718.84 | 1.1 | 419 | 416 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,009,047.41 | 5.20 |
| J14055-J14053 | 8 | 299 | 0.003 | 17.6 | 35,997.14 | 1.11 | 333 | 332 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 533,767.61 | 2.75 |
| C08003-C08001 | 8 | 299 | 0.007 | 12.6 | 25,428.82 | 1.07 | 504 | 502 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 754,861.39 | 3.89 |
| K14083-L14037 | 8 | 228 | 0.004 | 14.2 | 26,662.13 | 1.1 | 317 | 316 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 611,252.13 | 3.15 |
| C03021-C03019 | 8 | 195 | 0.026 | 5.6 | 3,982.20 | 1.11 | 661 | 656 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,477,935.58 | 7.62 |
| D16091-D16089 | 8 | 184 | 0.005 | 14.3 | 28,758.56 | 1.1 | 498 | 497 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 680,422.86 | 3.51 |
| F09039-F09037 | 8 | 226 | 0.005 | 12.8 | 22,938.56 | 1.1 | 435 | 433.87 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 652,638.68 | 3.37 |
| G09101-G09099 | 8 | 35 | 0.029 | 4.3 | 2,477.45 | 1.11 | 405 | 404 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,560,104.84 | 8.05 |
| D04041-D04039 | 8 | 302 | 0.026 | 5 | 3,701.52 | 1.11 | 621 | 613 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,502,205.44 | 7.75 |
| G14051-G14049 | 8 | 247 | 0.008 | 8.2 | 9,982.90 | 1.1 | 409 | 407 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 830,528.10 | 4.28 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| E12053-E12051 | 8 | 374 | 0.011 | 9.6 | 11,969.22 | 1.11 | 421 | 417 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 954,513.34 | 4.92 |
| D17057-D17021 | 12 | 187 | 0.005 | 12.2 | 63,206.53 | 1.08 | 511 | 510 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,989,957.01 | 3.85 |
| E06111-E06109 | 8 | 152 | 0.007 | 12 | 21,200.62 | 1.09 | 494 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 748,627.91 | 3.86 |
| F08119-F08117 | 8 | 306 | 0.007 | 18.8 | 20,037.08 | 1.1 | 456 | 454 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 746,177.40 | 3.85 |
| E12157-E12155 | 8 | 168 | 0.006 | 11.7 | 20,538.23 | 1.11 | 428 | 427 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 712,087.18 | 3.67 |
| D02007-D02005 | 8 | 270 | 0.011 | 7.6 | 10,072.31 | 1.11 | 599 | 596 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 972,896.30 | 5.02 |
| D12011-D12009 | 8 | 268 | 0.004 | 53.2 | 43,941.93 | 1.1 | 421 | 420 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 563,793.95 | 2.91 |
| H12065-H12063 | 8 | 230 | 0.004 | 14.4 | 25,819.43 | 1.1 | 372 | 371 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 608,588.71 | 3.14 |
| E16061-E16059 | 8 | 259 | 0.008 | 10.4 | 18,278.01 | 1.1 | 487 | 485 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 811,059.89 | 4.18 |
| E06047-E06045 | 8 | 242 | 0.008 | 10.3 | 13,285.24 | 1.11 | 506 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 839,064.07 | 4.33 |
| J06089-J06087 | 10 | 290 | 0.005 | 9.8 | 24,045.44 | 1.11 | 430.33 | 428.84 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,199,523.18 | 3.71 |
| J11077-J12073 | 8 | 322 | 0.003 | 24.1 | 65,142.50 | 1.1 | 365 | 364 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 514,351.33 | 2.65 |
| G14039-G14025 | 8 | 291 | 0.007 | 9.9 | 15,257.29 | 1.09 | 423 | 421 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 765,167.14 | 3.95 |
| C07079-C07077 | 8 | 231 | 0.009 | 10.4 | 16,760.15 | 1.1 | 516 | 514 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 858,809.45 | 4.43 |
| D10101-D09015 | 8 | 231 | 0.004 | 34.4 | 22,561.14 | 1.11 | 442 | 441 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 607,269.99 | 3.13 |
| G12069-G12067 | 15 | 298 | 0.003 | 11.2 | 74,937.60 | 1.1 | 383 | 382 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,858,137.17 | 3.69 |
| F14019-G14039 | 8 | 291 | 0.007 | 9.7 | 14,723.36 | 1.09 | 425 | 423 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 765,167.14 | 3.95 |
| D11053-D10001 | 8 | 325 | 0.009 | 13 | 9,645.48 | 1.12 | 429 | 426 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 886,761.35 | 4.57 |
| D03041-D03039 | 8 | 301 | 0.02 | 5.1 | 5,682.61 | 1.1 | 617 | 611 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,303,107.32 | 6.72 |
| D15053-D15045 | 8 | 243 | 0.008 | 10.8 | 16,900.29 | 1.11 | 476 | 474 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 837,335.82 | 4.32 |
| K15049-K15047 | 8 | 258 | 0.008 | 9 | 13,458.75 | 1.11 | 329 | 327 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 812,630.19 | 4.19 |
| D15049-D15047 | 8 | 237 | 0.03 | 4.2 | 3,409.76 | 1.12 | 486 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,586,217.20 | 8.18 |
| D02101-D02099 | 8 | 295 | 0.007 | 10.6 | 18,002.50 | 1.1 | 617 | 615 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 759,961.86 | 3.92 |
| H12061-H12059 | 8 | 256 | 0.004 | 16.8 | 31,054.17 | 1.11 | 370 | 369 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| F02082-F02077 | 8 | 202 | 0.012 | 7.4 | 8,640.68 | 1.11 | 539.1 | 536.65 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,013,964.69 | 5.23 |
| C03027-C04065 | 8 | 300 | 0.027 | 4.4 | 3,980.79 | 1.12 | 674 | 666 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,507,204.47 | 7.77 |
| E17025-E16079 | 8 | 252 | 0.03 | 8.1 | 3,704.38 | 1.12 | 507 | 499.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,592,275.34 | 8.21 |
| F08029-F08021 | 8 | 57 | 0.004 | 16.5 | 31,808.70 | 1.11 | 438.2 | 438 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 546,720.52 | 2.82 |
| D02091-D02089 | 8 | 163 | 0.006 | 12.7 | 24,305.07 | 1.12 | 608 | 607 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 722,926.27 | 3.73 |
| E09099-E09097 | 8 | 140 | 0.021 | 4.5 | 3,659.23 | 1.1 | 428 | 425 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,351,090.43 | 6.97 |
| E13003-E13001 | 8 | 305 | 0.007 | 12.1 | 18,950.83 | 1.11 | 420 | 418 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 747,399.64 | 3.85 |
| E12143-E12141 | 8 | 400 | 0.005 | 15.5 | 34,105.86 | 1.11 | 407 | 405 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 652,638.68 | 3.37 |
| F07059-F07057 | 8 | 33 | 0.015 | 7.5 | 9,494.69 | 1.11 | 468 | 467.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,136,098.12 | 5.86 |
| E04099-E04097 | 8 | 273 | 0.011 | 13.6 | 11,643.94 | 1.12 | 551 | 548 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 967,535.95 | 4.99 |
| E12139-F12147 | 8 | 398 | 0.005 | 18 | 37,376.34 | 1.12 | 402 | 400 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 654,276.42 | 3.37 |
| H11121-H11119 | 8 | 202 | 0.01 | 14.1 | 9,634.17 | 1.12 | 375 | 373 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 918,389.95 | 4.74 |
| K14021-K14019 | 18 | 256 | 0.001 | 25.1 | 365,406.88 | 1.1 | 321.78 | 321.5 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 2,653,384.71 | 2.28 |
| E03045-E04081 | 8 | 288 | 0.007 | 10.7 | 17,443.35 | 1.11 | 563 | 561 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 769,142.06 | 3.97 |
| K11017-K11015 | 18 | 265 | 0.002 | 21 | 317,604.70 | 1.09 | 365 | 364.5 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 3,485,003.78 | 3.00 |
| D15039-D15037 | 8 | 52 | 0.032 | 6 | 3,099.72 | 1.13 | 461 | 459.32 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,658,978.57 | 8.56 |
| D03063-D03061 | 8 | 332 | 0.018 | 18 | 8,616.09 | 1.11 | 594 | 588 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,240,778.87 | 6.40 |
| F10033-F10031 | 8 | 205 | 0.005 | 50 | 23,033.09 | 1.12 | 417 | 416 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 644,630.54 | 3.32 |
| H10037-H10009 | 12 | 118 | 0.004 | 12.8 | 46,212.17 | 1.11 | 387.05 | 386.6 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,680,466.08 | 3.25 |
| E10063-E10061 | 8 | 251 | 0.002 | 27.1 | 65,880.40 | 1.12 | 425 | 424.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 411,941.88 | 2.12 |
| C04001-D04013 | 8 | 253 | 0.016 | 5.9 | 7,622.02 | 1.11 | 630 | 626 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,160,533.13 | 5.99 |
| D11091-D11089 | 8 | 47 | 0.021 | 4.5 | 5,094.27 | 1.12 | 449 | 448 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,346,290.80 | 6.94 |
| F06157-F06155 | 10 | 311 | 0.01 | 7.1 | 14,650.98 | 1.12 | 497 | 494 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,643,595.49 | 5.09 |
| G08095-G08093 | 8 | 52 | 0.01 | 9.3 | 14,370.91 | 1.12 | 446.5 | 446 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 905,047.01 | 4.67 |
| H12063-H12061 | 8 | 236 | 0.004 | 15.2 | 28,154.07 | 1.11 | 371 | 370 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 600,802.60 | 3.10 |
| G03047-G03043 | 8 | 367 | 0.005 | 12 | 21,087.57 | 1.13 | 513 | 511 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 681,349.24 | 3.51 |
| C04073-C04071 | 8 | 311 | 0.051 | 3.2 | 1,710.13 | 1.15 | 638 | 622 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,093,474.16 | 10.80 |
| D14069-D14067 | 8 | 368 | 0.022 | 5.2 | 5,161.23 | 1.12 | 466 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,360,845.72 | 7.02 |
| F12145-F12143 | 8 | 398 | 0.005 | 17.3 | 41,868.66 | 1.11 | 399 | 397 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 654,276.42 | 3.37 |
| H06001-H07009 | 12 | 328 | 0.003 | 22.3 | 154,835.22 | 1.11 | 436.16 | 435.26 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,425,439.64 | 2.76 |
| D11081-D11077 | 8 | 201 | 0.015 | 6 | 7,830.94 | 1.11 | 447 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,127,587.90 | 5.82 |
| K14027-K14025 | 15 | 260 | 0.001 | 33.1 | 361,804.85 | 1.11 | 322.5 | 322.25 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 1,529,940.46 | 1.97 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| C10003-C10001 | 8 | 162 | 0.012 | 7.7 | 6,894.24 | 1.12 | 487 | 485 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,025,522.75 | 5.29 |
| C06045-C06043 | 8 | 357 | 0.022 | 4.4 | 4,444.13 | 1.13 | 563 | 555 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,381,652.07 | 7.13 |
| K08001-K08023 | 12 | 35 | 0.008 | 10.5 | 40,665.77 | 1.1 | 392.44 | 392.15 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,477,019.78 | 4.79 |
| D03065-D03063 | 8 | 330 | 0.018 | 5.9 | 8,375.93 | 1.11 | 600 | 594 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,244,533.13 | 6.42 |
| E06075-E06063 | 8 | 248 | 0.012 | 9.8 | 8,883.55 | 1.12 | 512 | 509 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,015,132.18 | 5.24 |
| G09047-G09045 | 8 | 492 | 0.008 | 9 | 12,964.05 | 1.12 | 427 | 423 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 832,214.45 | 4.29 |
| F14003-F14001 | 12 | 377 | 0.005 | 9.2 | 33,750.95 | 1.1 | 414.04 | 412 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,001,745.71 | 3.87 |
| D02089-D02087 | 8 | 163 | 0.006 | 12.9 | 25,869.23 | 1.13 | 607 | 606 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 722,926.27 | 3.73 |
| E08075-F08129 | 12 | 162 | 0.006 | 11 | 28,861.27 | 1.13 | 457 | 456 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,137,996.50 | 4.13 |
| F19037-F19035 | 8 | 240 | 0.056 | 2.2 | 1,552.53 | 1.07 | 586.25 | 572.64 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,193,352.07 | 11.31 |
| D10063-D10057 | 8 | 154 | 0.019 | 7.4 | 4,136.55 | 1.15 | 451 | 448 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,288,214.18 | 6.64 |
| G14049-G14047 | 8 | 277 | 0.007 | 9.1 | 12,109.83 | 1.12 | 407 | 405 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 784,265.16 | 4.04 |
| E01025-E01017 | 8 | 145 | 0.005 | 0 | 0 | 0 | 589.5 | 588.73 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 672,588.08 | 3.47 |
| E10069-E10067 | 8 | 212 | 0.002 | 27.3 | 65,068.49 | 1.14 | 427.4 | 427 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 400,912.75 | 2.07 |
| E11047-E11045 | 8 | 151 | 0.013 | 7.2 | 10,049.19 | 1.13 | 422 | 420 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,062,219.65 | 5.48 |
| E03057-E03055 | 8 | 62 | 0.016 | 9 | 8,042.48 | 1.12 | 572 | 571 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,172,173.67 | 6.05 |
| E06079-E06061 | 8 | 247 | 0.012 | 12.6 | 8,898.64 | 1.13 | 510 | 507 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,017,185.03 | 5.25 |
| G09035-G09033 | 8 | 246 | 0.016 | 12.8 | 5,033.48 | 1.12 | 427 | 423 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,176,928.96 | 6.07 |
| E03125-E03123 | 8 | 126 | 0.008 | 10.3 | 18,170.85 | 1.13 | 575 | 574 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 822,247.45 | 4.24 |
| E03049-E04091 | 8 | 260 | 0.004 | 18.6 | 43,183.70 | 1.13 | 566 | 565 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 572,401.99 | 2.95 |
| G13051-G13049 | 8 | 296 | 0.01 | 8.7 | 10,541.20 | 1.13 | 403 | 400 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 929,185.83 | 4.79 |
| E01031-E01029 | 8 | 220 | 0.005 | 0 | 0 | 0 | 592.14 | 591.1 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 634,589.87 | 3.27 |
| K14015-K14013 | 18 | 231 | 0.001 | 26.4 | 391,465.55 | 1.12 | 320.5 | 320.25 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 2,639,399.94 | 2.27 |
| H12003-H12001 | 21 | 450 | 0.001 | 28.8 | 690,898.33 | 1.13 | 361.15 | 360.7 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 3,827,066.08 | 2.47 |
| K14055-K14053 | 8 | 238 | 0.007 | 35 | 17,407.70 | 1.11 | 327 | 325.25 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 791,440.65 | 4.08 |
| D05099-E05009 | 8 | 317 | 0.022 | 5.4 | 4,491.85 | 1.13 | 540 | 533 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,371,535.95 | 7.07 |
| F08141-F08139 | 8 | 316 | 0.009 | 9.3 | 14,072.60 | 1.14 | 458 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 899,300.62 | 4.64 |
| E13107-E13067 | 8 | 259 | 0.004 | 25.4 | 38,554.62 | 1.13 | 420 | 419 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 573,505.95 | 2.96 |
| F09035-F09033 | 8 | 173 | 0.006 | 13 | 22,888.65 | 1.13 | 433 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 701,721.46 | 3.62 |
| K14093-K14089 | 8 | 371 | 0.009 | 10.1 | 12,318.49 | 1.13 | 321.45 | 318 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 890,041.79 | 4.59 |
| E10073-E10071 | 8 | 179 | 0.002 | 23.7 | 51,642.05 | 1.14 | 428 | 427.6 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 436,306.10 | 2.25 |
| D06123-D06121 | 8 | 217 | 0.018 | 5.2 | 5,477.99 | 1.13 | 529 | 525 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,253,106.37 | 6.46 |
| D04059-D04057 | 8 | 305 | 0.023 | 4.4 | 4,381.17 | 1.12 | 594 | 587 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,398,256.70 | 7.21 |
| D05105-D05103 | 8 | 270 | 0.007 | 10.8 | 15,741.50 | 1.12 | 542 | 540 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 794,366.50 | 4.10 |
| F04075-F04073 | 8 | 249 | 0.014 | 8.1 | 7,958.87 | 1.14 | 521.4 | 517.91 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,092,699.76 | 5.64 |
| F18011-F18009 | 12 | 391 | 0.003 | 18.2 | 99,195.78 | 1.13 | 532 | 531 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,376,182.78 | 2.66 |
| E07085-E07083 | 8 | 329 | 0.003 | 20.4 | 46,523.78 | 1.13 | 470 | 469 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 508,850.09 | 2.62 |
| F19018-F19015 | 8 | 250 | 0.027 | 8.9 | 4,404.86 | 1.15 | 559.24 | 552.57 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,504,575.08 | 7.76 |
| E16063-E16061 | 8 | 349 | 0.009 | 10 | 16,772.58 | 1.14 | 490 | 487 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 855,727.96 | 4.41 |
| D01025-D01023 | 8 | 272 | 0.011 | 8 | 12,738.85 | 1.14 | 616 | 613 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 969,312.88 | 5.00 |
| G04043-H04017 | 8 | 302 | 0.01 | 11.9 | 24,639.31 | 1.14 | 481 | 478 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 919,909.20 | 4.74 |
| G11035-G11033 | 8 | 141 | 0.007 | 9.7 | 12,854.85 | 1.13 | 388 | 387 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 777,281.36 | 4.01 |
| C02003-C02001 | 8 | 264 | 0.004 | 21.6 | 53,985.96 | 1.13 | 627 | 626 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 568,049.06 | 2.93 |
| C04003-C04001 | 8 | 248 | 0.02 | 5.4 | 6,122.03 | 1.16 | 635 | 630 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,310,530.01 | 6.76 |
| E16037-E16035 | 8 | 210 | 0.005 | 16.4 | 37,040.90 | 1.13 | 496 | 495 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 636,910.14 | 3.28 |
| C02037-C02025 | 8 | 172 | 0.012 | 7.8 | 10,233.50 | 1.14 | 646 | 644 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 995,264.66 | 5.13 |
| D13019-D13003 | 8 | 210 | 0.005 | 15.9 | 33,542.01 | 1.14 | 424 | 423 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 636,910.14 | 3.28 |
| E13075-E13073 | 8 | 336 | 0.003 | 24.8 | 67,847.32 | 1.13 | 426 | 425 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 503,521.67 | 2.60 |
| F02070-F03151 | 8 | 168 | 0.006 | 12 | 19,673.02 | 1.14 | 535.09 | 534 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 734,745.33 | 3.79 |
| E06019-E06017 | 8 | 324 | 0.015 | 12.4 | 6,737.77 | 1.13 | 527 | 522 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,146,569.29 | 5.91 |
| E11045-E11041 | 8 | 243 | 0.012 | 9.3 | 11,376.11 | 1.13 | 420 | 417 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,025,522.75 | 5.29 |
| F13113-F13111 | 8 | 69 | 0.014 | 7.1 | 8,444.74 | 1.15 | 417 | 416 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,111,125.88 | 5.73 |
| G04045-G04043 | 8 | 300 | 0.01 | 11.2 | 23,790.68 | 1.14 | 484 | 481 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 922,970.47 | 4.76 |
| E06121-E06117 | 8 | 256 | 0.02 | 6.1 | 6,113.16 | 1.13 | 504 | 499 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,289,890.45 | 6.65 |
| K13003-K13001 | 24 | 386 | 0.001 | 17.4 | 408,834.90 | 1.12 | 319.5 | 319 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 6,218,741.48 | 3.10 |
| H11063-H11061 | 8 | 290 | 0.01 | 7.3 | 10,014.23 | 1.14 | 383 | 380 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 938,748.89 | 4.84 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| K11075-K11073 | 8 | 313 | 0.006 | 13.6 | 18,950.45 | 1.15 | 350 | 348 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 737,786.38 | 3.81 |
| C03047-C03045 | 8 | 295 | 0.01 | 8.1 | 12,514.00 | 1.15 | 647 | 644 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 930,759.39 | 4.80 |
| F16049-F16047 | 8 | 270 | 0.004 | 19.7 | 47,545.75 | 1.14 | 496 | 495 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 561,701.94 | 2.90 |
| H11119-H11117 | 8 | 338 | 0.003 | 21 | 48,649.67 | 1.14 | 373 | 372 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 502,029.75 | 2.59 |
| E15031-E15029 | 10 | 325 | 0.003 | 24.1 | 94,693.89 | 1.13 | 450 | 449 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 928,266.82 | 2.87 |
| F06073-F06071 | 8 | 115 | 0.006 | 12.7 | 25,187.75 | 1.15 | 488.48 | 487.75 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 735,360.53 | 3.79 |
| H12041-H12039 | 8 | 188 | 0.004 | 18.1 | 39,780.43 | 1.14 | 365.68 | 365 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 555,089.92 | 2.86 |
| L14051-L14049 | 10 | 250 | 0.002 | 100 | 895,497.88 | 0.69 | 312 | 311.5 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 748,392.64 | 2.32 |
| D03113-E03065 | 8 | 143 | 0.014 | 7.3 | 9,613.27 | 1.15 | 577 | 575 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,091,527.76 | 5.63 |
| F12005-G12083 | 15 | 271 | 0.004 | 11.1 | 69,160.47 | 1.13 | 387 | 386 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,997,136.72 | 3.86 |
| E05115-E05113 | 8 | 220 | 0.014 | 8.7 | 8,143.35 | 1.15 | 521 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,077,797.31 | 5.56 |
| D08063-D08061 | 8 | 246 | 0.008 | 12.2 | 26,152.22 | 1.13 | 495 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 832,214.45 | 4.29 |
| D07085-D07083 | 8 | 243 | 0.012 | 9 | 9,035.28 | 1.15 | 505 | 502 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,025,522.75 | 5.29 |
| F05075-F05073 | 8 | 21 | 0.048 | 37.5 | 1,791.23 | 1.16 | 505 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,014,086.69 | 10.39 |
| E16031-E16029 | 8 | 205 | 0.005 | 17 | 40,017.24 | 1.14 | 493 | 492 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 644,630.54 | 3.32 |
| F10035-F10033 | 8 | 198 | 0.005 | 12.9 | 23,061.17 | 1.15 | 418 | 417 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,926.55 | 3.38 |
| G07051-G07041 | 8 | 402 | 0.007 | 39.7 | 19,774.50 | 1.13 | 454 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 797,325.05 | 4.11 |
| D03031-D03029 | 8 | 319 | 0.022 | 6.3 | 5,682.16 | 1.14 | 611 | 604 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,367,229.71 | 7.05 |
| G13053-G13051 | 8 | 298 | 0.01 | 7.5 | 10,586.61 | 1.15 | 406 | 403 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 926,062.51 | 4.78 |
| F12085-F12083 | 8 | 251 | 0.012 | 38.3 | 14,087.55 | 1.15 | 400 | 397 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,009,047.41 | 5.20 |
| J11003-J11001 | 8 | 302 | 0.013 | 9.5 | 10,545.77 | 1.13 | 371 | 367 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,062,219.65 | 5.48 |
| H12023-H12021 | 12 | 186 | 0.003 | 50.2 | 573,293.56 | 1.23 | 369.59 | 369 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,532,618.39 | 2.96 |
| J11011-J11001 | 8 | 350 | 0.011 | 10 | 13,184.79 | 1.15 | 371 | 367 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 986,696.94 | 5.09 |
| F12143-F12067 | 8 | 379 | 0.005 | 49.6 | 44,281.81 | 1.14 | 397 | 395 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 670,475.94 | 3.46 |
| E06101-E06099 | 8 | 222 | 0.014 | 7 | 8,737.14 | 1.15 | 496 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,072,931.38 | 5.53 |
| H11129-H11119 | 8 | 266 | 0.004 | 19.2 | 37,415.35 | 1.15 | 374 | 373 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 565,909.51 | 2.92 |
| E14131-E13103 | 10 | 360 | 0.008 | 9.1 | 21,028.18 | 1.15 | 433 | 430 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,527,650.07 | 4.73 |
| G05003-G05001 | 10 | 280 | 0.011 | 10.3 | 34,143.65 | 1.15 | 468 | 465 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,732,192.37 | 5.36 |
| J07075-J08121 | 10 | 183 | 0.007 | 10.6 | 33,006.08 | 1.12 | 408.69 | 407.4 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,405,024.25 | 4.35 |
| K14053-K15001 | 15 | 266 | 0.001 | 31.9 | 332,801.17 | 1.15 | 325.25 | 325 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 1,512,587.08 | 1.95 |
| D16057-D16055 | 8 | 368 | 0.027 | 5.5 | 4,263.00 | 1.17 | 498 | 488 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,521,471.77 | 7.85 |
| E13071-E13069 | 10 | 589 | 0.003 | 19.8 | 70,528.03 | 1.14 | 424 | 422 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 975,150.97 | 3.02 |
| K12051-K12049 | 8 | 347 | 0.006 | 12.5 | 23,234.46 | 1.15 | 346 | 344 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 700,709.60 | 3.61 |
| D13021-D13019 | 8 | 198 | 0.005 | 15.3 | 32,043.56 | 1.16 | 425 | 424 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,926.55 | 3.38 |
| F08035-F08033 | 8 | 270 | 0.004 | 16.2 | 29,633.95 | 1.17 | 441 | 440 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 561,701.94 | 2.90 |
| F12121-F12105 | 8 | 231 | 0.013 | 39.8 | 12,890.99 | 1.16 | 402 | 399 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,051,822.47 | 5.42 |
| D02039-D02033 | 8 | 329 | 0.012 | 9.7 | 11,312.37 | 1.16 | 624 | 620 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,017,700.19 | 5.25 |
| K14037-K14035 | 8 | 261 | 0.008 | 30.1 | 16,847.17 | 1.14 | 326 | 324 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 807,946.40 | 4.17 |
| E04025-E04023 | 8 | 336 | 0.006 | 16.2 | 32,984.72 | 1.15 | 538 | 536 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 712,087.18 | 3.67 |
| F05127-F05125 | 8 | 293 | 0.01 | 10.5 | 13,868.08 | 1.15 | 496 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 933,930.64 | 4.82 |
| F08125-F08123 | 8 | 318 | 0.009 | 16.8 | 15,434.44 | 1.16 | 458 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 896,468.17 | 4.62 |
| B01031-B01010 | 8 | 88 | 0.057 | 3 | 1,982.14 | 1.1 | 675.45 | 670.41 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,196,382.99 | 11.33 |
| E03099-E03093 | 8 | 229 | 0.004 | 18.2 | 40,990.51 | 1.15 | 565 | 564 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 609,916.06 | 3.15 |
| H14013-H14011 | 8 | 239 | 0.004 | 15.3 | 30,193.01 | 1.16 | 371 | 370 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 597,019.97 | 3.08 |
| D14073-D14065 | 8 | 242 | 0.033 | 5.2 | 3,409.85 | 1.17 | 463 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,678,128.13 | 8.65 |
| E15035-E15033 | 10 | 326 | 0.003 | 21.3 | 92,142.10 | 1.15 | 453 | 452 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 926,842.01 | 2.87 |
| H12027-H12023 | 12 | 159 | 0.003 | 42.2 | 580,889.74 | 1.24 | 370.12 | 369.59 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,571,100.15 | 3.04 |
| E15101-E15099 | 8 | 269 | 0.011 | 8.3 | 13,731.55 | 1.16 | 466 | 463 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 974,702.98 | 5.03 |
| F15133-F15131 | 8 | 241 | 0.017 | 7.4 | 8,037.87 | 1.16 | 455 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,189,075.09 | 6.13 |
| H04007-H04005 | 8 | 243 | 0.008 | 16.6 | 41,054.03 | 1.15 | 472 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 837,335.82 | 4.32 |
| F02196-F02192 | 8 | 161 | 0.003 | 17.9 | 38,059.69 | 1.17 | 550.46 | 549.88 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 545,566.58 | 2.81 |
| J14041-J14039 | 8 | 245 | 0.008 | 10.1 | 14,811.23 | 1.16 | 343 | 341 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 833,911.12 | 4.30 |
| D03039-D03037 | 8 | 213 | 0.019 | 7.1 | 7,378.65 | 1.17 | 611 | 607 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,264,817.89 | 6.52 |
| H07017-H07015 | 8 | 263 | 0.007 | 13.1 | 18,860.30 | 1.15 | 439 | 437.19 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 765,683.38 | 3.95 |
| F02175-F02173 | 8 | 142 | 0.017 | 1.4 | 303.88 | 0.46 | 551.77 | 548.69 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,203,992.77 | 6.21 |
| H08021-H08019 | 8 | 42 | 0.024 | 4.3 | 5,039.09 | 1.15 | 430 | 429 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,424,174.36 | 7.35 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| F15063-F15061 | 8 | 257 | 0.008 | 10.9 | 20,347.08 | 1.15 | 458 | 456 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 814,209.65 | 4.20 |
| E05017-E05015 | 8 | 268 | 0.007 | 11.6 | 17,341.52 | 1.15 | 515 | 513 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 797,325.05 | 4.11 |
| F11019-F11017 | 8 | 402 | 0.007 | 48.7 | 31,607.55 | 1.14 | 396 | 393 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 797,325.05 | 4.11 |
| F12133-F12081 | 8 | 243 | 0.012 | 44.6 | 14,028.36 | 1.17 | 399 | 396 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,025,522.75 | 5.29 |
| E15105-E15103 | 8 | 229 | 0.013 | 7.2 | 10,977.66 | 1.18 | 473 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,056,405.60 | 5.45 |
| K15015-K15013 | 8 | 173 | 0.006 | 12.3 | 22,711.12 | 1.17 | 329 | 328 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 701,721.46 | 3.62 |
| L13153-L13151 | 8 | 170 | 0.006 | 100 | 22,264.75 | 1.17 | 325 | 324 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 707,886.04 | 3.65 |
| F07037-F07021 | 8 | 336 | 0.009 | 11.6 | 21,120.65 | 1.16 | 459 | 456 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 872,125.12 | 4.50 |
| D10135-D10133 | 8 | 289 | 0.003 | 16.9 | 33,791.30 | 1.17 | 431 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 542,923.81 | 2.80 |
| E16029-E16027 | 8 | 201 | 0.005 | 17.2 | 41,996.68 | 1.16 | 492 | 491 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 651,013.18 | 3.36 |
| D05113-E05053 | 8 | 246 | 0.02 | 12 | 5,952.91 | 1.16 | 555 | 550 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,315,846.58 | 6.79 |
| E12019-E12015 | 8 | 127 | 0.008 | 11.9 | 20,351.43 | 1.15 | 416 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 819,003.86 | 4.22 |
| G14059-G14057 | 8 | 248 | 0.004 | 19.5 | 48,861.91 | 1.16 | 403 | 402 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 586,086.84 | 3.02 |
| K15003-K14053 | 15 | 253 | 0.001 | 31.3 | 316,262.77 | 1.16 | 325.5 | 325.25 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 1,550,961.24 | 2.00 |
| G13057-G13055 | 8 | 320 | 0.003 | 18.8 | 40,095.84 | 1.17 | 402 | 401 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 515,956.18 | 2.66 |
| K14031-K14029 | 15 | 245 | 0.001 | 32.4 | 358,502.66 | 1.16 | 323.25 | 323 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 1,576,079.65 | 2.03 |
| F08001-F09043 | 8 | 241 | 0.008 | 9.9 | 13,829.32 | 1.17 | 444 | 442 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 840,803.06 | 4.34 |
| E15025-E15007 | 8 | 285 | 0.011 | 18.7 | 14,416.60 | 1.17 | 461 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 946,947.72 | 4.88 |
| E15011-E15009 | 8 | 236 | 0.017 | 16.8 | 7,553.77 | 1.17 | 465 | 461 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,201,605.21 | 6.20 |
| F04177-F04173 | 8 | 263 | 0.008 | 11 | 17,979.07 | 1.16 | 535 | 533 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 804,868.50 | 4.15 |
| G14057-G14045 | 8 | 241 | 0.004 | 19.5 | 49,172.81 | 1.16 | 402 | 401 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 594,537.55 | 3.07 |
| E16035-E16033 | 8 | 192 | 0.005 | 16.2 | 37,922.89 | 1.17 | 495 | 494 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 666,096.56 | 3.44 |
| E04033-E04031 | 8 | 6 | 0.167 | 8.6 | 511.86 | 1.2 | 543 | 542 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,768,011.17 | 19.43 |
| E02031-E02005 | 8 | 245 | 0.012 | 1 | 0 | 0 | 567.48 | 564.55 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,008,997.99 | 5.20 |
| C05021-C05019 | 8 | 240 | 0.03 | 3.7 | 3,705.27 | 1.18 | 617.79 | 610.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,608,592.17 | 8.30 |
| D15051-D15049 | 8 | 305 | 0.056 | 2.8 | 1,863.03 | 1.2 | 503 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,179,025.68 | 11.24 |
| D01035-D02069 | 8 | 128 | 0.016 | 7.1 | 9,634.25 | 1.19 | 616 | 614 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,153,713.09 | 5.95 |
| D14063-D14047 | 8 | 254 | 0.008 | 10.8 | 19,941.16 | 1.16 | 451 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 819,003.86 | 4.22 |
| E13103-E13101 | 10 | 446 | 0.007 | 10.2 | 28,289.06 | 1.16 | 430 | 427 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,372,485.32 | 4.25 |
| G04111-G05101 | 8 | 264 | 0.008 | 13.1 | 20,156.24 | 1.16 | 493 | 491 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 803,342.68 | 4.14 |
| F16045-F16043 | 8 | 245 | 0.004 | 20.1 | 50,096.85 | 1.17 | 494 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 589,664.20 | 3.04 |
| F13007-G13053 | 8 | 296 | 0.01 | 7.5 | 10,615.48 | 1.17 | 409 | 406 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 929,185.83 | 4.79 |
| F02047-F02045 | 8 | 307 | 0.009 | 1.8 | 307.89 | 0.35 | 529.97 | 527.32 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 857,514.67 | 4.42 |
| G10061-G10059 | 8 | 134 | 0.006 | 11.8 | 18,464.89 | 1.17 | 395.86 | 395 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 739,408.83 | 3.81 |
| E04029-E04027 | 8 | 318 | 0.006 | 15.4 | 30,346.10 | 1.18 | 541 | 539 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 731,963.20 | 3.78 |
| F15065-F15063 | 8 | 223 | 0.009 | 10.4 | 18,203.89 | 1.17 | 460 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 874,078.37 | 4.51 |
| E12021-E12019 | 8 | 120 | 0.008 | 10.8 | 20,058.26 | 1.18 | 417 | 416 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 842,552.91 | 4.35 |
| F11023-F11021 | 8 | 394 | 0.008 | 13.8 | 29,225.18 | 1.16 | 401 | 398 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 805,379.04 | 4.15 |
| J14109-J14107 | 8 | 184 | 0.005 | 14.1 | 24,488.89 | 1.18 | 352 | 351 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 680,422.86 | 3.51 |
| F09109-F09105 | 8 | 249 | 0.008 | 10.1 | 13,965.50 | 1.16 | 429 | 427 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 827,185.92 | 4.27 |
| J14075-J14073 | 8 | 158 | 0.006 | 12.2 | 20,737.60 | 1.19 | 337 | 336 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 734,275.88 | 3.79 |
| F19043-F19041 | 8 | 420 | 0.057 | 5.1 | 1,863.03 | 1.2 | 589.24 | 565.41 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,195,880.90 | 11.33 |
| K12061-K12059 | 8 | 351 | 0.009 | 9.3 | 15,181.84 | 1.18 | 367 | 364 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 853,286.50 | 4.40 |
| C10011-D10091 | 8 | 110 | 0.009 | 14.5 | 11,598.39 | 1.18 | 460 | 459 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 880,017.82 | 4.54 |
| D03037-D03029 | 8 | 277 | 0.011 | 8.8 | 15,266.47 | 1.18 | 607 | 604 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 960,524.73 | 4.95 |
| E03101-E03099 | 8 | 210 | 0.005 | 17.1 | 38,581.06 | 1.17 | 566 | 565 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 636,910.14 | 3.28 |
| K15043-K15041 | 12 | 401 | 0.005 | 10 | 33,091.59 | 1.19 | 323 | 321 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,921,796.11 | 3.72 |
| D07083-D07063 | 8 | 297 | 0.007 | 24 | 20,135.40 | 1.19 | 502 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 757,398.74 | 3.91 |
| D16033-D16019 | 15 | 123 | 0.004 | 11.5 | 90,896.78 | 1.16 | 496 | 495.46 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,269,155.09 | 4.22 |
| E04079-E04077 | 8 | 291 | 0.007 | 17.7 | 23,331.20 | 1.19 | 559 | 557 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 765,167.14 | 3.95 |
| D14065-D14063 | 8 | 292 | 0.014 | 9 | 11,008.42 | 1.19 | 455 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,080,255.23 | 5.57 |
| F06083-F06081 | 8 | 98 | 0.01 | 9.1 | 15,374.17 | 1.18 | 495.91 | 494.95 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 913,503.86 | 4.71 |
| D18055-D18053 | 12 | 203 | 0.031 | 4 | 7,921.30 | 1.14 | 539.08 | 532.73 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 4,812,861.25 | 9.31 |
| H11103-J11053 | 8 | 276 | 0.003 | 25 | 68,326.63 | 1.18 | 367.8 | 367 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 496,910.60 | 2.56 |
| G08017-G08015 | 8 | 259 | 0.008 | 11.9 | 17,339.74 | 1.17 | 441 | 439 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 811,059.89 | 4.18 |
| H06003-H06001 | 12 | 313 | 0.003 | 21.8 | 152,778.99 | 1.18 | 437.16 | 436.16 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,538,127.47 | 2.97 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| D10019-D10017 | 8 | 464 | 0.006 | 10.4 | 16,936.70 | 1.19 | 440 | 437 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 742,146.16 | 3.83 |
| F02187-F02185 | 8 | 296 | 0.004 | 17 | 37,376.44 | 1.18 | 547.3 | 546.06 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 596,376.37 | 3.08 |
| D03067-D03065 | 8 | 386 | 0.021 | 5.7 | 8,135.27 | 1.17 | 608 | 600 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,328,737.37 | 6.85 |
| D02005-D02003 | 8 | 264 | 0.011 | 16.8 | 12,890.53 | 1.19 | 596 | 593 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 983,889.83 | 5.07 |
| E05121-E05119 | 8 | 252 | 0.008 | 11.1 | 18,772.05 | 1.17 | 528 | 526 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 822,247.45 | 4.24 |
| E03093-E03091 | 8 | 234 | 0.004 | 19.2 | 46,416.71 | 1.18 | 564 | 563 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 603,364.67 | 3.11 |
| F07021-F07019 | 8 | 266 | 0.008 | 12.5 | 26,500.02 | 1.17 | 456 | 454 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 800,316.90 | 4.13 |
| D15029-D15027 | 8 | 245 | 0.016 | 6.3 | 8,404.35 | 1.21 | 470 | 466 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,179,328.41 | 6.08 |
| K14033-K14031 | 15 | 241 | 0.001 | 32.3 | 356,789.25 | 1.18 | 323.5 | 323.25 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 1,589,105.32 | 2.05 |
| F12149-F12065 | 8 | 414 | 0.012 | 47.1 | 20,268.35 | 1.18 | 399 | 394 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,014,314.51 | 5.23 |
| F16039-F16037 | 8 | 242 | 0.004 | 20.8 | 56,001.64 | 1.19 | 491 | 490 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 593,307.89 | 3.06 |
| D15009-D15007 | 8 | 270 | 0.006 | 13.2 | 27,159.00 | 1.19 | 479 | 477.32 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 728,048.93 | 3.75 |
| H13091-H13089 | 8 | 259 | 0.008 | 10.8 | 14,267.40 | 1.18 | 379 | 377 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 811,059.89 | 4.18 |
| K15013-K15011 | 8 | 159 | 0.006 | 12.1 | 22,358.51 | 1.19 | 328 | 327 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 731,963.20 | 3.78 |
| F03025-F03023 | 8 | 251 | 0.008 | 10.9 | 19,591.86 | 1.17 | 518 | 516 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 823,883.76 | 4.25 |
| F09031-F09029 | 8 | 194 | 0.005 | 14.5 | 29,750.17 | 1.19 | 431 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 662,654.18 | 3.42 |
| E16057-E16055 | 8 | 215 | 0.009 | 10.4 | 20,074.65 | 1.19 | 482 | 480 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 890,191.77 | 4.59 |
| E04051-E04049 | 8 | 398 | 0.013 | 10.1 | 12,166.49 | 1.19 | 547 | 542 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,034,501.85 | 5.34 |
| K15035-K15033 | 12 | 391 | 0.002 | 20.3 | 107,785.86 | 1.19 | 315 | 314.25 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,191,809.25 | 2.31 |
| C02065-D02039 | 8 | 317 | 0.016 | 6.9 | 9,050.85 | 1.21 | 629 | 624 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,159,159.44 | 5.98 |
| L13133-L13131 | 8 | 79 | 0.006 | 11.9 | 22,112.32 | 1.19 | 318 | 317.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 734,275.88 | 3.79 |
| E11139-E11129 | 8 | 340 | 0.021 | 38.7 | 6,569.13 | 1.19 | 428 | 421 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,324,333.51 | 6.83 |
| H06029-H06021 | 8 | 135 | 0.023 | 6 | 5,962.85 | 1.17 | 445.25 | 442.2 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,387,301.46 | 7.15 |
| D05037-D05035 | 8 | 296 | 0.018 | 6 | 6,737.77 | 1.19 | 585 | 579.81 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,222,153.15 | 6.30 |
| D05015-D05013 | 8 | 31 | 0.032 | 3.9 | 3,368.88 | 1.2 | 593 | 592 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,657,703.90 | 8.55 |
| F16031-F16029 | 12 | 297 | 0.003 | 19.7 | 134,361.56 | 1.18 | 493 | 492 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,579,015.06 | 3.05 |
| E11035-E11033 | 8 | 397 | 0.008 | 12.9 | 25,106.15 | 1.18 | 411 | 408 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 802,330.28 | 4.14 |
| E16067-E16065 | 8 | 322 | 0.016 | 6.9 | 9,518.18 | 1.2 | 500 | 495 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,150,124.55 | 5.93 |
| E06061-E06055 | 8 | 262 | 0.004 | 19.9 | 42,548.29 | 1.2 | 507 | 506 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 570,213.06 | 2.94 |
| D02023-D02021 | 8 | 296 | 0.007 | 14 | 29,416.29 | 1.2 | 603 | 601 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 758,677.05 | 3.91 |
| D15017-D15003 | 8 | 367 | 0.014 | 9.5 | 10,716.72 | 1.19 | 480 | 475 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,077,307.73 | 5.56 |
| H10061-H10059 | 8 | 141 | 0.003 | 19.9 | 41,245.89 | 1.2 | 387.13 | 386.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 509,697.47 | 2.63 |
| E11037-E11035 | 8 | 399 | 0.008 | 12 | 23,929.11 | 1.19 | 414 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 800,316.90 | 4.13 |
| F16041-F16039 | 8 | 241 | 0.004 | 20.7 | 55,452.39 | 1.2 | 492 | 491 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 594,537.55 | 3.07 |
| G07079-G08131 | 8 | 395 | 0.008 | 11.6 | 22,963.66 | 1.18 | 446 | 443 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 804,358.93 | 4.15 |
| G05005-G05003 | 8 | 263 | 0.011 | 12.4 | 32,381.47 | 1.19 | 471 | 468 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 985,758.57 | 5.08 |
| J11087-J11085 | 8 | 199 | 0.005 | 17.9 | 45,889.02 | 1.19 | 369 | 368 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 654,276.42 | 3.37 |
| D16039-D16015 | 8 | 189 | 0.011 | 15.8 | 14,769.42 | 1.2 | 494 | 492 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 949,449.57 | 4.90 |
| D07131-D07129 | 8 | 267 | 0.022 | 5.5 | 5,218.29 | 1.22 | 499 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,383,591.23 | 7.14 |
| E11039-E11037 | 8 | 130 | 0.008 | 11.7 | 23,018.60 | 1.19 | 415 | 414 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 809,498.65 | 4.17 |
| G10037-G10031 | 8 | 297 | 0.003 | 23.4 | 43,386.10 | 1.19 | 400 | 399 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 535,561.79 | 2.76 |
| E06095-E07047 | 8 | 333 | 0.012 | 26.1 | 11,096.14 | 1.2 | 493 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,011,569.41 | 5.22 |
| E07069-E07065 | 8 | 235 | 0.017 | 7.3 | 7,717.14 | 1.2 | 485 | 481 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,204,159.10 | 6.21 |
| E06015-E06013 | 8 | 223 | 0.018 | 7.5 | 6,625.33 | 1.19 | 523 | 519 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,236,133.49 | 6.38 |
| E10001-F10037 | 24 | 319 | 0.001 | 29.8 | 933,776.05 | 1.18 | 416.35 | 416.1 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 4,837,108.35 | 2.41 |
| G09067-G09065 | 8 | 388 | 0.01 | 8.3 | 12,130.12 | 1.2 | 428 | 424 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 937,134.53 | 4.83 |
| E11031-E11029 | 8 | 381 | 0.008 | 13.2 | 27,155.31 | 1.18 | 406 | 403 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 819,003.86 | 4.22 |
| G10035-G10031 | 8 | 215 | 0.005 | 21.1 | 28,840.84 | 1.2 | 400 | 399 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 629,460.64 | 3.25 |
| H12021-H12019 | 12 | 42 | 0.003 | 85.2 | 563,130.45 | 1.28 | 369 | 368.87 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 513,493.37 | 2.65 |
| F07039-F07037 | 8 | 325 | 0.009 | 10.7 | 21,295.16 | 1.19 | 462 | 459 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 886,761.35 | 4.57 |
| H11105-H11103 | 8 | 66 | 0.003 | 24.8 | 67,414.67 | 1.2 | 368 | 367.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 508,078.52 | 2.62 |
| D13025-D13023 | 8 | 159 | 0.006 | 13.4 | 26,797.56 | 1.21 | 427 | 426 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 731,963.20 | 3.78 |
| D12047-D12045 | 8 | 156 | 0.008 | 10.7 | 20,271.31 | 1.19 | 440.3 | 439 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 842,552.91 | 4.35 |
| G02019-G02017 | 8 | 99 | 0.006 | 11.5 | 16,320.28 | 0.95 | 513.38 | 512.81 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 700,337.91 | 3.61 |
| F04009-F04007 | 8 | 249 | 0.012 | 8.6 | 12,441.62 | 1.2 | 518 | 515 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,013,091.71 | 5.22 |
| F07113-F07081 | 8 | 264 | 0.008 | 22.5 | 25,482.67 | 1.19 | 473 | 471 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 803,342.68 | 4.14 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| K12039-K12037 | 8 | 243 | 0.008 | 12.4 | 15,902.20 | 1.19 | 347 | 345 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 837,335.82 | 4.32 |
| D07075-D07073 | 8 | 251 | 0.008 | 10.5 | 18,498.41 | 1.19 | 524 | 522 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 823,883.76 | 4.25 |
| F13033-F13031 | 12 | 265 | 0.004 | 12.6 | 56,852.68 | 1.2 | 402 | 401 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,671,635.41 | 3.23 |
| G15065-G15063 | 8 | 168 | 0.012 | 6.8 | 9,158.60 | 1.21 | 492 | 490 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,007,043.35 | 5.19 |
| F02189-F02187 | 8 | 296 | 0.004 | 17.1 | 37,641.15 | 1.21 | 548.53 | 547.3 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 593,966.76 | 3.06 |
| K14025-K14023 | 18 | 193 | 0.001 | 25 | 363,023.16 | 1.19 | 322.25 | 322 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 2,887,570.12 | 2.48 |
| F08135-F08115 | 8 | 305 | 0.01 | 19.5 | 16,855.56 | 1.21 | 456 | 453 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 915,373.88 | 4.72 |
| E15065-E15063 | 8 | 333 | 0.018 | 7.3 | 8,939.09 | 1.2 | 470 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,238,914.44 | 6.39 |
| F03033-F03025 | 8 | 245 | 0.012 | 9.3 | 12,976.86 | 1.21 | 521 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,021,328.36 | 5.27 |
| D06003-D06001 | 8 | 11 | 0.091 | 11.2 | 1,122.96 | 1.2 | 523 | 522 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,782,860.68 | 14.35 |
| F04003-G04103 | 8 | 326 | 0.006 | 13.8 | 28,353.61 | 1.21 | 506 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 722,926.27 | 3.73 |
| H08011-H08009 | 8 | 107 | 0.006 | 15.8 | 38,754.86 | 1.2 | 433.65 | 433 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 719,370.45 | 3.71 |
| L14049-L14047 | 10 | 212 | 0.002 | 85.7 | 872,045.32 | 0.73 | 311.5 | 311 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 812,702.47 | 2.51 |
| E15107-E15105 | 8 | 256 | 0.016 | 6.9 | 9,757.03 | 1.22 | 477 | 473 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,153,713.09 | 5.95 |
| D16065-D16063 | 8 | 72 | 0.014 | 8.3 | 11,881.36 | 1.21 | 486 | 485 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,087,731.13 | 5.61 |
| D14077-D14063 | 8 | 245 | 0.024 | 7.7 | 5,882.49 | 1.2 | 457 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,444,376.42 | 7.45 |
| F20001-F19059 | 8 | 250 | 0.133 | 1.8 | 933.44 | 1.2 | 684.48 | 651.22 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,366,502.38 | 17.36 |
| L14025-L14023 | 8 | 147 | 0.014 | 6.9 | 10,078.01 | 1.21 | 313 | 311 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,076,574.62 | 5.55 |
| E16033-E16031 | 8 | 175 | 0.006 | 16.5 | 39,122.57 | 1.2 | 494 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 697,700.10 | 3.60 |
| E05057-E05031 | 8 | 377 | 0.013 | 31.4 | 12,151.21 | 1.22 | 525 | 520 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,062,923.81 | 5.48 |
| D04057-D04053 | 8 | 291 | 0.024 | 5.1 | 5,782.57 | 1.2 | 587 | 580 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,431,496.64 | 7.38 |
| G09063-G09061 | 8 | 387 | 0.01 | 8.5 | 12,545.69 | 1.21 | 429 | 425 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 938,344.52 | 4.84 |
| F08019-F08017 | 8 | 222 | 0.004 | 18.8 | 42,035.49 | 1.22 | 437 | 436.2 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 554,059.38 | 2.86 |
| D10041-D10039 | 8 | 326 | 0.018 | 6.3 | 5,515.39 | 1.21 | 464 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,252,145.03 | 6.46 |
| E15075-E15073 | 8 | 338 | 0.015 | 11.7 | 11,251.77 | 1.19 | 470 | 465 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,122,572.66 | 5.79 |
| D08041-D08039 | 12 | 265 | 0.008 | 9.7 | 43,711.77 | 1.2 | 459 | 457 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,364,049.46 | 4.57 |
| F19020-F19018 | 8 | 250 | 0.037 | 3.6 | 3,481.26 | 1.23 | 568.64 | 559.24 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,782,589.99 | 9.19 |
| F06063-F06061 | 8 | 66 | 0.003 | 29.6 | 78,992.74 | 1.21 | 481.7 | 481.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 508,078.52 | 2.62 |
| E03073-E04105 | 10 | 270 | 0.004 | 18.2 | 73,742.80 | 1.21 | 551 | 550 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,018,433.38 | 3.15 |
| F16043-F16041 | 8 | 238 | 0.004 | 20.6 | 54,905.86 | 1.21 | 493 | 492 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 598,272.90 | 3.09 |
| D13065-D13063 | 10 | 69 | 0.007 | 10.3 | 31,949.39 | 1.2 | 429.5 | 429 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,424,541.04 | 4.41 |
| D01027-D01025 | 8 | 211 | 0.014 | 7.6 | 11,620.72 | 1.23 | 619 | 616 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,100,543.48 | 5.68 |
| J14043-J14041 | 8 | 223 | 0.009 | 9.2 | 15,107.76 | 1.22 | 345 | 343 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 874,078.37 | 4.51 |
| E13021-E13019 | 12 | 272 | 0.001 | 51.2 | 471,055.84 | 1.21 | 423.8 | 423.5 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 903,734.11 | 1.75 |
| H12019-H12017 | 12 | 237 | 0.004 | 40.3 | 562,049.21 | 1.3 | 368.87 | 368 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,648,731.56 | 3.19 |
| G09049-G09047 | 8 | 301 | 0.013 | 7.7 | 9,620.98 | 1.22 | 431 | 427 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,063,982.67 | 5.49 |
| F16047-F16045 | 8 | 216 | 0.005 | 19.2 | 48,074.79 | 1.22 | 495 | 494 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 628,001.86 | 3.24 |
| G10039-G10037 | 8 | 253 | 0.004 | 18.3 | 37,555.16 | 1.22 | 401 | 400 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 580,266.56 | 2.99 |
| C09003-C09001 | 8 | 154 | 0.005 | 14.5 | 24,739.95 | 1.23 | 454.82 | 454 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 673,495.00 | 3.47 |
| G13113-G13111 | 8 | 265 | 0.008 | 10.2 | 14,949.22 | 1.23 | 394 | 392 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 801,825.51 | 4.14 |
| K15051-K15049 | 8 | 194 | 0.01 | 8.6 | 13,081.34 | 1.23 | 331 | 329 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 937,134.53 | 4.83 |
| G04103-G04101 | 8 | 332 | 0.006 | 14.2 | 30,969.23 | 1.22 | 504 | 502 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 716,364.02 | 3.69 |
| D13097-D13095 | 8 | 270 | 0.019 | 6.2 | 8,351.50 | 1.22 | 452 | 447 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,256,003.72 | 6.48 |
| E16065-E16063 | 8 | 346 | 0.014 | 8.5 | 11,666.03 | 1.24 | 495 | 490 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,109,519.04 | 5.72 |
| F10091-F10089 | 8 | 283 | 0.004 | 17.8 | 37,807.02 | 1.23 | 411 | 410 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 548,649.00 | 2.83 |
| D02105-D02103 | 8 | 90 | 0.022 | 5.9 | 6,563.22 | 1.22 | 620 | 618 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,375,883.14 | 7.10 |
| D11089-D11081 | 8 | 38 | 0.026 | 5.1 | 5,091.74 | 1.21 | 448 | 447 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,497,255.82 | 7.72 |
| F02045-F02043 | 8 | 152 | 0.01 | 2.3 | 611.71 | 0.45 | 527.32 | 525.78 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 929,022.80 | 4.79 |
| G13109-G13095 | 8 | 239 | 0.008 | 16.6 | 14,831.83 | 1.21 | 391 | 389 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 844,313.74 | 4.35 |
| D14041-D14039 | 12 | 300 | 0.003 | 15.9 | 85,703.94 | 1.23 | 443 | 442 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,571,100.15 | 3.04 |
| D06037-D06035 | 8 | 352 | 0.011 | 8.3 | 13,188.02 | 1.23 | 560 | 556 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 983,889.83 | 5.07 |
| E10005-E10003 | 24 | 282 | 0.001 | 29.9 | 936,268.29 | 1.21 | 416.8 | 416.58 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 4,826,118.03 | 2.41 |
| F06081-F06079 | 8 | 220 | 0.01 | 9.3 | 16,756.97 | 1.23 | 494.95 | 492.69 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 935,471.77 | 4.82 |
| C04071-D04039 | 8 | 333 | 0.027 | 5.2 | 5,119.88 | 1.21 | 622 | 613 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,517,354.11 | 7.83 |
| K12011-K12009 | 8 | 213 | 0.005 | 17 | 39,818.97 | 1.23 | 372 | 371 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 632,408.95 | 3.26 |
| F04173-F04171 | 8 | 273 | 0.007 | 11.8 | 23,113.05 | 1.24 | 533 | 531 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 789,989.80 | 4.07 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| G15009-G14035 | 8 | 287 | 0.014 | 7.4 | 12,118.22 | 1.22 | 439 | 435 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,089,624.49 | 5.62 |
| D17081-D17079 | 8 | 129 | 0.008 | 12.3 | 26,125.02 | 1.22 | 501 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 812,630.19 | 4.19 |
| F04123-F04119 | 8 | 243 | 0.014 | 8.9 | 11,011.87 | 1.23 | 515.99 | 512.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,073,946.43 | 5.54 |
| D08051-D08049 | 12 | 251 | 0.008 | 8.9 | 39,910.89 | 1.22 | 476 | 474 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,429,084.57 | 4.70 |
| C11013-C10025 | 8 | 306 | 0.016 | 11.2 | 6,866.50 | 1.24 | 513 | 508 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,179,810.06 | 6.08 |
| E06085-E06039 | 8 | 256 | 0.008 | 17.1 | 20,646.01 | 1.22 | 500 | 498 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 815,798.35 | 4.21 |
| D15057-D15055 | 8 | 262 | 0.027 | 4.5 | 5,344.73 | 1.22 | 493 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,508,641.96 | 7.78 |
| E15097-F15057 | 8 | 253 | 0.012 | 9.5 | 16,475.88 | 1.23 | 459 | 456 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,005,051.17 | 5.18 |
| D13003-D13001 | 8 | 182 | 0.005 | 16.2 | 39,105.01 | 1.23 | 423 | 422 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 684,151.23 | 3.53 |
| D07071-D07069 | 8 | 325 | 0.006 | 20.3 | 28,053.77 | 1.23 | 518 | 516 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 724,037.61 | 3.73 |
| E05059-E05057 | 8 | 135 | 0.015 | 7.3 | 11,153.71 | 1.23 | 527 | 525 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,123,403.88 | 5.79 |
| H05017-H05015 | 12 | 190 | 0.005 | 16.5 | 116,680.54 | 1.23 | 457 | 456 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,974,184.32 | 3.82 |
| D14009-D14003 | 8 | 210 | 0.014 | 7.1 | 11,180.99 | 1.24 | 461 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,103,160.71 | 5.69 |
| J15011-J14029 | 8 | 480 | 0.004 | 21.9 | 38,120.82 | 1.24 | 348 | 346 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 595,774.88 | 3.07 |
| C02009-C02007 | 8 | 198 | 0.005 | 18.3 | 48,008.20 | 1.23 | 630 | 629 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,926.55 | 3.38 |
| D14039-D13043 | 12 | 291 | 0.003 | 16.8 | 88,368.70 | 1.23 | 442 | 441 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,595,210.51 | 3.09 |
| G14027-G14025 | 10 | 314 | 0.013 | 7.3 | 16,002.66 | 1.21 | 425 | 421 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,888,772.63 | 5.84 |
| F07147-F08133 | 8 | 325 | 0.009 | 12 | 22,026.32 | 1.23 | 464 | 461 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 886,761.35 | 4.57 |
| F09037-F09035 | 8 | 121 | 0.007 | 12.1 | 22,905.03 | 1.23 | 433.87 | 433 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 782,626.86 | 4.04 |
| K13005-K13003 | 18 | 357 | 0.001 | 24.9 | 409,349.92 | 1.22 | 320 | 319.5 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 3,002,562.68 | 2.58 |
| G03043-G03037 | 8 | 290 | 0.007 | 12.3 | 23,671.02 | 1.24 | 511 | 509 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 766,485.26 | 3.95 |
| E10003-E10001 | 24 | 277 | 0.001 | 29.6 | 935,041.78 | 1.22 | 416.58 | 416.35 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 4,978,920.44 | 2.49 |
| F02185-F02184 | 8 | 126 | 0.005 | 16.2 | 37,125.72 | 1.23 | 546.06 | 545.41 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 650,142.92 | 3.35 |
| H13093-H13091 | 8 | 236 | 0.013 | 8 | 9,335.28 | 1.24 | 382 | 379 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,040,620.63 | 5.37 |
| F10089-F10079 | 8 | 261 | 0.004 | 24 | 37,772.45 | 1.24 | 410 | 409 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 571,304.38 | 2.95 |
| E06099-E07049 | 8 | 233 | 0.013 | 26.8 | 12,000.60 | 1.24 | 493 | 490 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,047,298.48 | 5.40 |
| F06123-F06121 | 8 | 302 | 0.007 | 14.6 | 28,155.83 | 1.24 | 486 | 484 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 751,102.72 | 3.87 |
| G08091-G08065 | 8 | 240 | 0.01 | 39.5 | 18,492.69 | 1.24 | 444 | 441.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 942,002.79 | 4.86 |
| D16011-D16009 | 15 | 280 | 0.004 | 14 | 121,366.99 | 1.23 | 489 | 488 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,948,575.03 | 3.80 |
| L13021-L13019 | 8 | 169 | 0.024 | 100 | 7,273.58 | 1.25 | 328 | 324 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,419,954.57 | 7.32 |
| F08139-F08113 | 8 | 307 | 0.01 | 26.4 | 18,692.06 | 1.24 | 455 | 452 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 912,387.33 | 4.71 |
| F19015-F18037 | 8 | 220.4 | 0.007 | 13.7 | 30,550.98 | 1.24 | 552.57 | 551 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 754,403.51 | 3.89 |
| D04039-D04031 | 8 | 343 | 0.017 | 10.2 | 9,373.15 | 1.25 | 613 | 607 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,220,720.88 | 6.30 |
| F18019-F18017 | 8 | 153 | 0.039 | 4.4 | 3,415.56 | 1.26 | 546 | 540 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,827,753.89 | 9.43 |
| E10007-E10005 | 24 | 336 | 0.001 | 29.9 | 937,613.23 | 1.23 | 417.06 | 416.8 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 4,806,491.61 | 2.40 |
| F13039-F13037 | 12 | 42 | 0.006 | 10.4 | 43,538.78 | 1.23 | 404.08 | 403.84 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,057,052.96 | 3.98 |
| D14095-D14093 | 8 | 78 | 0.013 | 8.1 | 13,617.77 | 1.25 | 456 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,045,058.27 | 5.39 |
| D07005-D07003 | 8 | 79 | 0.013 | 10.1 | 11,753.81 | 1.25 | 488 | 487 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,038,422.91 | 5.36 |
| E04035-E04031 | 8 | 267 | 0.007 | 14.5 | 27,633.90 | 1.25 | 544 | 542 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 798,816.77 | 4.12 |
| H07011-H07009 | 8 | 120 | 0.006 | 18.8 | 29,150.68 | 1.23 | 436 | 435.26 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 724,791.42 | 3.74 |
| F05007-G05107 | 8 | 284 | 0.007 | 12.9 | 27,645.91 | 1.25 | 500 | 498 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 774,539.61 | 3.99 |
| D07129-D07127 | 8 | 267 | 0.015 | 7.2 | 9,627.66 | 1.26 | 493 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,129,697.51 | 5.83 |
| D14057-D14055 | 8 | 279 | 0.043 | 3.1 | 3,101.13 | 1.2 | 503 | 491 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,914,151.59 | 9.87 |
| D15045-D14117 | 8 | 368 | 0.008 | 11.8 | 24,596.35 | 1.24 | 474 | 471 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 833,344.41 | 4.30 |
| H10027-H10025 | 8 | 244 | 0.002 | 33.4 | 97,014.97 | 1.25 | 397 | 396.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 417,809.10 | 2.15 |
| F19035-F19032 | 8 | 240 | 0.06 | 5.8 | 2,169.54 | 1.27 | 572.64 | 558.12 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,270,207.19 | 11.71 |
| F15077-F15075 | 8 | 183 | 0.016 | 6.9 | 10,506.97 | 1.25 | 470 | 467 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,181,742.60 | 6.09 |
| D12049-D12047 | 8 | 80 | 0.011 | 9.8 | 16,140.17 | 1.25 | 441.21 | 440.3 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 984,381.65 | 5.08 |
| H05019-H05017 | 12 | 122 | 0.016 | 11.8 | 35,412.67 | 1.25 | 459 | 457 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,484,171.95 | 6.74 |
| D05013-D05011 | 8 | 252 | 0.024 | 4.7 | 5,608.59 | 1.27 | 592 | 586 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,424,174.36 | 7.35 |
| D10033-D10031 | 8 | 343 | 0.015 | 7.6 | 8,237.02 | 1.25 | 459 | 454 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,114,360.60 | 5.75 |
| G02009-G02007 | 8 | 182 | 0.005 | 10.8 | 16,763.51 | 1.01 | 521.96 | 520.97 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 680,721.88 | 3.51 |
| D13023-D13021 | 8 | 154 | 0.006 | 14.4 | 30,411.42 | 1.25 | 426 | 425 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 743,750.80 | 3.84 |
| G09111-G09109 | 8 | 28 | 0.036 | 4.4 | 2,931.96 | 1.26 | 405 | 404 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,744,250.24 | 9.00 |
| G12065-G12007 | 15 | 300 | 0.005 | 12.4 | 75,121.90 | 1.22 | 381 | 379.48 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,511,982.68 | 4.53 |
| D17013-D16033 | 15 | 193 | 0.005 | 11.2 | 89,728.91 | 1.23 | 497 | 496 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,551,505.94 | 4.58 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| D05063-D05061 | 8 | 128 | 0.039 | 4.7 | 3,970.84 | 1.26 | 595 | 590 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,824,180.57 | 9.41 |
| E08027-E08025 | 15 | 12 | 0.042 | 1.9 | 3,664.65 | 1.24 | 454 | 453.5 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 10,071,301.06 | 12.99 |
| G10047-G10045 | 8 | 32 | 0.031 | 5.1 | 3,537.45 | 1.28 | 404 | 403 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,631,596.70 | 8.41 |
| G15073-G15071 | 8 | 252 | 0.02 | 5.1 | 5,310.42 | 1.25 | 430 | 425 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,300,087.37 | 6.71 |
| D05131-D05129 | 6 | 19 | 0.053 | 5.5 | 2,166.03 | 1.27 | 574 | 573 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 983,198.13 | 7.61 |
| G14073-G14071 | 8 | 230 | 0.017 | 6.5 | 6,921.25 | 1.26 | 421 | 417 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,217,177.41 | 6.28 |
| E16059-E16057 | 8 | 272 | 0.011 | 10.1 | 19,174.44 | 1.25 | 485 | 482 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 969,312.88 | 5.00 |
| E07087-E07085 | 8 | 239 | 0.004 | 19.4 | 43,706.46 | 1.26 | 471 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 597,019.97 | 3.08 |
| F06075-F06073 | 8 | 182 | 0.008 | 12.3 | 24,827.26 | 1.25 | 489.97 | 488.48 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 835,113.01 | 4.31 |
| J08019-J08017 | 8 | 85 | 0.013 | 9.3 | 13,537.83 | 1.25 | 403.31 | 402.2 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,054,726.44 | 5.44 |
| K11007-K11005 | 8 | 165 | 0.034 | 26.3 | 4,562.36 | 1.26 | 369 | 363.36 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,706,417.86 | 8.80 |
| F02192-F02190 | 8 | 179 | 0.004 | 16.8 | 37,888.57 | 1.26 | 549.88 | 549.06 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 616,149.10 | 3.18 |
| F10055-F10053 | 8 | 109 | 0.009 | 9.1 | 14,998.75 | 1.24 | 404 | 403 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 884,045.38 | 4.56 |
| J14067-J14055 | 8 | 121 | 0.008 | 14.1 | 19,720.85 | 1.25 | 334 | 333 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 839,064.07 | 4.33 |
| D05085-D05081 | 8 | 246 | 0.025 | 7.2 | 6,538.13 | 1.28 | 594.1 | 588 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,453,400.05 | 7.50 |
| D14093-D14091 | 8 | 78 | 0.013 | 8.2 | 14,229.99 | 1.26 | 455 | 454 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,045,058.27 | 5.39 |
| E06049-E06047 | 8 | 244 | 0.016 | 7.5 | 8,912.08 | 1.26 | 510 | 506 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,181,742.60 | 6.09 |
| D14061-D14059 | 8 | 115 | 0.104 | 1.8 | 1,242.02 | 1.24 | 527 | 515 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,981,463.59 | 15.38 |
| L13155-L13153 | 8 | 139 | 0.007 | 100 | 22,526.70 | 1.26 | 326 | 325 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 782,853.34 | 4.04 |
| F13105-F13103 | 8 | 244 | 0.012 | 10.2 | 15,697.51 | 1.26 | 415 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,023,419.11 | 5.28 |
| F10031-F10029 | 24 | 277 | 0.001 | 29 | 954,766.50 | 1.24 | 416 | 415.75 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 5,190,883.39 | 2.59 |
| D13099-D13097 | 8 | 224 | 0.022 | 5.6 | 7,434.01 | 1.27 | 457 | 452 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,378,950.89 | 7.11 |
| G04099-G04091 | 8 | 315 | 0.006 | 21.1 | 34,012.75 | 1.25 | 500 | 498 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 735,440.48 | 3.79 |
| J14005-K14071 | 8 | 234 | 0.009 | 11.4 | 18,660.42 | 1.25 | 331 | 329 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 853,286.50 | 4.40 |
| E03055-E03051 | 8 | 248 | 0.008 | 12.4 | 25,668.78 | 1.25 | 571 | 569 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 828,851.95 | 4.27 |
| C05019-D05087 | 8 | 249 | 0.033 | 4 | 4,556.81 | 1.27 | 610.5 | 602.3 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,674,923.82 | 8.64 |
| D14035-D14033 | 8 | 226 | 0.044 | 3.5 | 3,101.35 | 1.22 | 470 | 460 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,941,482.98 | 10.01 |
| J11001-J12017 | 8 | 356 | 0.008 | 12.7 | 25,327.62 | 1.25 | 367 | 364 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 847,273.13 | 4.37 |
| F14025-F14023 | 8 | 73 | 0.01 | 9.5 | 13,571.88 | 1.26 | 428 | 427.25 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 935,528.47 | 4.82 |
| D16009-D16007 | 15 | 277 | 0.004 | 14.1 | 127,225.79 | 1.25 | 488 | 487 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,964,499.05 | 3.82 |
| D14091-D14089 | 8 | 78 | 0.013 | 8.3 | 14,531.61 | 1.27 | 454 | 453 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,045,058.27 | 5.39 |
| D18045-D18009 | 12 | 112 | 0.054 | 3.6 | 7,863.42 | 1.2 | 525.9 | 519.26 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 6,322,604.00 | 12.23 |
| F02171-F02169 | 8 | 142 | 0.006 | 11.3 | 19,822.76 | 1.18 | 548.05 | 547.13 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 732,664.74 | 3.78 |
| H06021-H06007 | 8 | 228 | 0.014 | 22.4 | 11,426.84 | 1.26 | 442.2 | 439 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,093,441.05 | 5.64 |
| F19022-F19020 | 8 | 174 | 0.053 | 2.9 | 2,553.75 | 1.26 | 578.04 | 568.64 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,133,022.32 | 11.00 |
| H05047-H05045 | 8 | 269 | 0.007 | 21 | 62,584.63 | 1.26 | 466 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 795,841.65 | 4.10 |
| D07119-D07117 | 8 | 278 | 0.004 | 21.7 | 57,231.36 | 1.26 | 478 | 477 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 553,560.90 | 2.85 |
| G09065-G09057 | 8 | 382 | 0.01 | 9.9 | 14,623.96 | 1.26 | 424 | 420 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 944,465.55 | 4.87 |
| D05039-D06057 | 10 | 340 | 0.015 | 12.9 | 11,222.07 | 1.26 | 555 | 550 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,029,364.47 | 6.28 |
| D09095-D09093 | 8 | 240 | 0.004 | 16.9 | 35,525.01 | 1.27 | 439 | 438 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 595,774.88 | 3.07 |
| C03045-C03043 | 8 | 292 | 0.014 | 7.8 | 13,065.44 | 1.27 | 644 | 640 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,080,255.23 | 5.57 |
| F08017-F08015 | 8 | 51 | 0.004 | 19 | 45,531.73 | 1.27 | 436.2 | 436 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 577,986.53 | 2.98 |
| D14089-D14087 | 8 | 78 | 0.013 | 9.4 | 14,833.29 | 1.27 | 453 | 452 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,045,058.27 | 5.39 |
| J14069-J14067 | 8 | 121 | 0.008 | 10.6 | 19,917.09 | 1.25 | 335 | 334 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 839,064.07 | 4.33 |
| G14029-G14027 | 10 | 293 | 0.014 | 6.5 | 15,633.41 | 1.25 | 429 | 425 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,955,287.82 | 6.05 |
| F09023-F09021 | 15 | 117 | 0.009 | 6.4 | 30,459.94 | 1.25 | 428 | 427 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,561,401.16 | 5.88 |
| F03007-F03005 | 8 | 24 | 0.042 | 4 | 3,346.28 | 1.28 | 516 | 515 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,884,005.59 | 9.72 |
| G13097-G13095 | 10 | 371 | 0.003 | 21.6 | 89,055.21 | 1.26 | 390 | 389 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 868,815.49 | 2.69 |
| F07053-F07039 | 8 | 31 | 0.016 | 9.1 | 13,532.34 | 1.26 | 462.5 | 462 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,172,173.67 | 6.05 |
| F19051-F19048 | 8 | 0 | 0.069 | 2.5 | 1,863.03 | 1.21 | 605.75 | 573.9 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,418,151.66 | 12.47 |
| D02085-D02081 | 8 | 125 | 0.008 | 12.6 | 28,125.89 | 1.27 | 605 | 604 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 825,529.89 | 4.26 |
| D02027-D02025 | 8 | 302 | 0.01 | 10.8 | 22,754.01 | 1.26 | 610 | 607 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 919,909.20 | 4.74 |
| D02093-D02091 | 8 | 200 | 0.01 | 11.6 | 21,595.83 | 1.26 | 610 | 608 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 922,970.47 | 4.76 |
| E12145-E12143 | 8 | 404 | 0.007 | 14.6 | 32,004.95 | 1.28 | 410 | 407 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 795,349.02 | 4.10 |
| F06155-F06147 | 10 | 375 | 0.011 | 9.5 | 20,221.27 | 1.27 | 494 | 490 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,728,338.76 | 5.35 |
| F08023-F08021 | 8 | 258 | 0.016 | 11.3 | 7,846.78 | 1.27 | 442 | 438 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,149,232.63 | 5.93 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| E13079-E13077 | 8 | 316 | 0.006 | 18.4 | 41,088.39 | 1.27 | 429 | 427 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 734,275.88 | 3.79 |
| D14049-D14047 | 8 | 234 | 0.023 | 7.6 | 7,730.34 | 1.28 | 454.36 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,396,890.21 | 7.20 |
| F08129-F08123 | 12 | 240 | 0.004 | 15.1 | 72,758.25 | 1.27 | 456 | 455 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,756,543.37 | 3.40 |
| G03037-G03033 | 8 | 284 | 0.007 | 14.2 | 26,293.90 | 1.27 | 509 | 507 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 774,539.61 | 3.99 |
| E12147-E12145 | 8 | 387 | 0.008 | 13.4 | 29,590.83 | 1.28 | 413 | 410 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 812,630.19 | 4.19 |
| H10025-H10023 | 8 | 239 | 0.002 | 34 | 104,958.31 | 1.28 | 396.5 | 396 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 422,156.87 | 2.18 |
| H08009-H08007 | 12 | 585 | 0.009 | 10 | 38,642.17 | 1.27 | 433 | 428 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,515,773.67 | 4.87 |
| D14081-D14079 | 8 | 311 | 0.048 | 3.3 | 2,794.55 | 1.25 | 480 | 465 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,026,997.64 | 10.45 |
| G04101-G04099 | 8 | 300 | 0.007 | 14.4 | 32,636.02 | 1.27 | 502 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 753,602.23 | 3.89 |
| F08015-F08013 | 8 | 249 | 0.004 | 18.9 | 45,939.10 | 1.27 | 436 | 435 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 584,908.77 | 3.02 |
| J11079-J11077 | 8 | 210 | 0.005 | 22.6 | 62,670.38 | 1.28 | 366 | 365 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 636,910.14 | 3.28 |
| F08121-F08119 | 8 | 316 | 0.013 | 9.9 | 15,412.44 | 1.28 | 460 | 456 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,038,422.91 | 5.36 |
| E18037-E18035 | 8 | 118 | 0.042 | 3.5 | 4,005.67 | 1.29 | 532 | 527 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,899,904.65 | 9.80 |
| E01009-E01007 | 8 | 723 | 0.004 | 2.2 | 492.44 | 0.32 | 579.05 | 576.34 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 565,071.37 | 2.91 |
| E18021-E18019 | 8 | 196 | 0.033 | 7.7 | 5,549.67 | 1.3 | 528 | 521.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,680,801.59 | 8.67 |
| J08119-J08117 | 10 | 306 | 0.01 | 9.6 | 32,975.85 | 1.26 | 405.38 | 402.2 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,705,954.15 | 5.28 |
| E04049-E04047 | 8 | 259 | 0.008 | 20.9 | 27,258.93 | 1.28 | 542 | 540 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 811,059.89 | 4.18 |
| D14033-D14029 | 8 | 300 | 0.033 | 5.8 | 4,958.04 | 1.3 | 460 | 450 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,685,105.82 | 8.69 |
| F18043-F18041 | 8 | 203 | 0.039 | 4.9 | 4,022.66 | 1.29 | 555 | 547 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,832,250.22 | 9.45 |
| F10057-F10055 | 8 | 326 | 0.009 | 9.1 | 15,016.67 | 1.27 | 407 | 404 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 885,400.24 | 4.57 |
| E10075-E10073 | 8 | 197 | 0.005 | 18.7 | 28,867.87 | 1.28 | 429 | 428 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 657,589.23 | 3.39 |
| K12001-J12019 | 30 | 321 | 0.003 | 11.5 | 374,505.70 | 1.26 | 361 | 360 | Vitrified Clay Pipe-Circular-30 inch | 4.9 | 17,485,793.22 | 5.52 |
| J07133-J07131 | 8 | 42 | 0.032 | 4.2 | 5,498.67 | 1.3 | 420.09 | 418.74 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,654,741.07 | 8.53 |
| C03049-C03047 | 8 | 142 | 0.014 | 7.8 | 12,235.21 | 1.29 | 649 | 647 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,095,364.43 | 5.65 |
| J14089-J14087 | 8 | 271 | 0.004 | 24.8 | 59,818.34 | 1.28 | 335 | 334 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 560,664.63 | 2.89 |
| H06005-H06003 | 12 | 343 | 0.004 | 20.8 | 152,993.70 | 1.27 | 438.48 | 437.16 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,688,124.23 | 3.26 |
| D13061-D13059 | 10 | 260 | 0.008 | 11 | 37,255.15 | 1.27 | 426 | 424 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,467,718.72 | 4.54 |
| F17005-F17003 | 12 | 246 | 0.004 | 18.6 | 127,236.91 | 1.27 | 508 | 507 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,734,989.87 | 3.36 |
| F15075-F15073 | 8 | 182 | 0.016 | 7.2 | 11,734.17 | 1.27 | 467 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,184,984.69 | 6.11 |
| G09061-G09059 | 8 | 386 | 0.01 | 10.3 | 15,458.52 | 1.28 | 425 | 421 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 939,559.20 | 4.85 |
| E12141-E12139 | 8 | 397 | 0.008 | 15.3 | 35,888.96 | 1.29 | 405 | 402 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 802,330.28 | 4.14 |
| K15011-K15005 | 8 | 175 | 0.007 | 29.9 | 25,163.68 | 1.29 | 327 | 325.75 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 780,052.42 | 4.02 |
| H11115-H11113 | 8 | 258 | 0.004 | 21.4 | 57,591.68 | 1.28 | 370 | 369 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 574,616.32 | 2.96 |
| D06039-D06037 | 8 | 347 | 0.02 | 6.8 | 7,710.24 | 1.28 | 567 | 560 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,310,907.63 | 6.76 |
| D06097-D06095 | 8 | 329 | 0.009 | 13.8 | 19,616.34 | 1.28 | 532 | 529 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 881,354.21 | 4.55 |
| J14099-J14097 | 8 | 252 | 0.004 | 20.3 | 49,757.78 | 1.29 | 340 | 339 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 581,416.75 | 3.00 |
| E02047-E02045 | 8 | 219 | 0.013 | 0 | 0 | 0 | 586.57 | 583.71 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,054,748.14 | 5.44 |
| F17015-F17013 | 12 | 270 | 0.004 | 18.8 | 127,563.33 | 1.28 | 515.23 | 514.23 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,656,084.97 | 3.20 |
| E18023-E18021 | 8 | 195 | 0.036 | 4 | 4,935.20 | 1.29 | 535 | 528 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,748,716.96 | 9.02 |
| G02013-G02011 | 8 | 230 | 0.006 | 11 | 16,606.18 | 1.04 | 516.58 | 515.13 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 732,837.85 | 3.78 |
| C06021-C06019 | 8 | 294 | 0.014 | 10 | 12,229.70 | 1.3 | 554 | 550 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,076,574.62 | 5.55 |
| D14079-D14077 | 8 | 228 | 0.035 | 4.3 | 4,649.39 | 1.3 | 465 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,728,882.10 | 8.92 |
| C04075-C04071 | 8 | 199 | 0.05 | 3.5 | 2,845.29 | 1.27 | 632 | 622 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,069,003.71 | 10.67 |
| F09033-F09031 | 8 | 157 | 0.006 | 14.1 | 29,777.09 | 1.29 | 432 | 431 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 736,610.63 | 3.80 |
| F06055-F07101 | 8 | 268 | 0.004 | 27.8 | 84,602.82 | 1.29 | 479 | 478 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 563,793.95 | 2.91 |
| F02163-F02161 | 8 | 304 | 0.004 | 22 | 58,196.34 | 1.25 | 543.37 | 542.29 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 549,224.33 | 2.83 |
| D06129-D06127 | 8 | 212 | 0.014 | 7.6 | 11,552.76 | 1.3 | 535 | 532 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,097,944.79 | 5.66 |
| F09085-F09081 | 8 | 329 | 0.003 | 26.2 | 76,578.52 | 1.29 | 425 | 424 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 508,850.09 | 2.62 |
| F18001-F17025 | 12 | 251 | 0.004 | 16.8 | 105,558.85 | 1.29 | 528 | 527 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,717,622.17 | 3.32 |
| E02017-E02015 | 8 | 262 | 0.004 | 2.2 | 457.36 | 0.18 | 572.13 | 571.14 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 567,354.83 | 2.93 |
| G08131-G08129 | 8 | 392 | 0.01 | 11.8 | 22,745.93 | 1.29 | 443 | 439 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 932,340.97 | 4.81 |
| J08117-J08083 | 10 | 298 | 0.011 | 11.4 | 32,948.18 | 1.28 | 402.2 | 398.87 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,769,002.69 | 5.47 |
| H13071-H13069 | 12 | 42 | 0.014 | 4.9 | 11,496.02 | 1.29 | 375.32 | 374.75 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,170,131.52 | 6.13 |
| D09055-D09037 | 8 | 253 | 0.006 | 23.8 | 25,605.43 | 1.3 | 448 | 446.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 710,678.50 | 3.67 |
| G02031-G02029 | 8 | 48 | 0.008 | 12.2 | 16,350.07 | 1.02 | 510.38 | 509.99 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 831,954.34 | 4.29 |
| D06133-D06131 | 8 | 386 | 0.013 | 10.5 | 12,933.33 | 1.3 | 539 | 534 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,050,459.12 | 5.42 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| C04069-C04065 | 8 | 281 | 0.068 | 3.6 | 2,271.83 | 1.32 | 685 | 666 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,400,001.14 | 12.38 |
| J08121-J08119 | 10 | 191 | 0.011 | 9.6 | 32,991.25 | 1.28 | 407.4 | 405.38 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,720,970.83 | 5.33 |
| E06055-E06053 | 8 | 262 | 0.004 | 21.8 | 57,398.05 | 1.3 | 506 | 505 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 570,213.06 | 2.94 |
| E01013-E01011 | 8 | 343 | 0.009 | 0.6 | 53.33 | 0.21 | 584.02 | 581 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 866,052.50 | 4.47 |
| D16007-D16005 | 15 | 242 | 0.004 | 13.7 | 127,363.25 | 1.3 | 487 | 486 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,171,637.30 | 4.09 |
| F08087-F08085 | 8 | 301 | 0.007 | 16.1 | 41,743.72 | 1.3 | 450 | 448 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 752,349.36 | 3.88 |
| K15025-K15023 | 8 | 373 | 0.005 | 15.4 | 34,350.67 | 1.3 | 319 | 317 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 675,847.00 | 3.49 |
| G14035-G14031 | 10 | 190 | 0.016 | 5.9 | 14,282.05 | 1.28 | 435 | 432 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,102,801.78 | 6.51 |
| H11043-H11041 | 8 | 368 | 0.024 | 81.4 | 5,491.67 | 1.3 | 380 | 371.02 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,441,790.19 | 7.44 |
| D17069-D17067 | 12 | 29 | 0.009 | 12.1 | 62,309.38 | 1.29 | 511.75 | 511.5 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,526,594.25 | 4.89 |
| E05025-E05013 | 10 | 262 | 0.008 | 10.6 | 28,599.36 | 1.32 | 514 | 512 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,462,106.00 | 4.52 |
| F02184-F02182 | 8 | 65 | 0.006 | 15.6 | 37,025.79 | 1.3 | 545.41 | 544.99 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 704,930.34 | 3.64 |
| D05077-D05075 | 10 | 333 | 0.021 | 5.1 | 11,823.89 | 1.3 | 579 | 572 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,426,282.76 | 7.51 |
| G03031-G03029 | 8 | 248 | 0.004 | 20.9 | 52,174.12 | 1.22 | 505 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 586,086.84 | 3.02 |
| D10115-D10113 | 8 | 101 | 0.005 | 15.3 | 32,791.79 | 1.32 | 436.22 | 435.72 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 649,399.76 | 3.35 |
| J12065-J12059 | 10 | 204 | 0.005 | 17.3 | 76,048.93 | 1.29 | 362 | 361 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,171,654.12 | 3.63 |
| D02021-D02019 | 8 | 137 | 0.007 | 18.2 | 35,628.74 | 1.3 | 601 | 600 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 788,546.89 | 4.07 |
| G02007-G02005 | 8 | 120 | 0.006 | 10.7 | 16,815.14 | 1.06 | 522.69 | 521.96 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 719,877.52 | 3.71 |
| D17073-D17071 | 12 | 29 | 0.009 | 11.6 | 62,325.66 | 1.29 | 512.25 | 512 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,526,594.25 | 4.89 |
| E15103-E15101 | 8 | 236 | 0.017 | 7.7 | 12,198.96 | 1.3 | 470 | 466 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,201,605.21 | 6.20 |
| E03063-E03055 | 8 | 232 | 0.013 | 10.4 | 16,675.66 | 1.31 | 574 | 571 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,049,553.16 | 5.41 |
| G09127-G09125 | 8 | 360 | 0.011 | 11.7 | 21,896.86 | 1.3 | 417 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 972,896.30 | 5.02 |
| D08047-D08045 | 12 | 315 | 0.01 | 8.6 | 40,872.90 | 1.3 | 470 | 467 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,655,643.96 | 5.14 |
| D10053-D10047 | 8 | 132 | 0.03 | 5.8 | 4,136.55 | 1.31 | 470 | 466 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,606,685.36 | 8.29 |
| D15067-D15065 | 8 | 328 | 0.027 | 5.9 | 6,738.97 | 1.29 | 489 | 480 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,528,875.57 | 7.89 |
| H12001-J12043 | 21 | 451 | 0.002 | 29.4 | 667,437.91 | 1.3 | 360.7 | 360 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 4,767,895.30 | 3.07 |
| E05149-E05147 | 8 | 323 | 0.012 | 35.4 | 14,992.30 | 1.31 | 516 | 512 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,027,109.02 | 5.30 |
| F18009-F18005 | 12 | 242 | 0.004 | 16.8 | 98,994.60 | 1.3 | 531 | 530 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,749,269.87 | 3.38 |
| F05129-F05127 | 8 | 191 | 0.016 | 7.9 | 12,667.43 | 1.31 | 499 | 496 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,156,729.34 | 5.97 |
| D11009-D11007 | 8 | 189 | 0.005 | 18.9 | 30,656.18 | 1.31 | 447 | 446 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 671,362.23 | 3.46 |
| K15041-K15039 | 12 | 403 | 0.005 | 11.7 | 47,588.22 | 1.31 | 321 | 319 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,917,021.45 | 3.71 |
| D08061-D08059 | 8 | 313 | 0.01 | 12.4 | 29,421.13 | 1.28 | 493 | 490 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 903,600.09 | 4.66 |
| F06057-F06055 | 8 | 255 | 0.004 | 25.8 | 81,753.15 | 1.3 | 480 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 577,986.53 | 2.98 |
| D06087-D06085 | 8 | 339 | 0.012 | 10.3 | 15,642.74 | 1.31 | 538 | 534 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,002,577.50 | 5.17 |
| F17003-F17001 | 12 | 247 | 0.004 | 18.9 | 134,653.09 | 1.3 | 507 | 506 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,731,474.19 | 3.35 |
| F08131-F08129 | 8 | 328 | 0.006 | 18.7 | 43,416.76 | 1.31 | 458 | 456 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 720,718.85 | 3.72 |
| H13065-H13059 | 12 | 251 | 0.012 | 5.4 | 14,754.81 | 1.31 | 372 | 369 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,975,008.87 | 5.75 |
| H12045-H12043 | 8 | 179 | 0.006 | 17.6 | 36,379.17 | 1.3 | 367 | 366 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 689,860.52 | 3.56 |
| F05079-F05077 | 8 | 306 | 0.007 | 34.5 | 33,166.55 | 1.31 | 509 | 507 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 746,177.40 | 3.85 |
| H05007-H05005 | 12 | 250 | 0.006 | 16.8 | 120,092.50 | 1.3 | 447.83 | 446.24 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,170,166.50 | 4.20 |
| F08123-F08117 | 12 | 275 | 0.004 | 16.9 | 94,931.43 | 1.31 | 455 | 454 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,640,960.59 | 3.17 |
| D02057-D02055 | 8 | 315 | 0.006 | 16.2 | 41,676.46 | 1.31 | 608 | 606 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 735,440.48 | 3.79 |
| D15005-D15003 | 8 | 279 | 0.007 | 14.1 | 33,300.24 | 1.32 | 477 | 475 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 781,449.11 | 4.03 |
| F14063-F14053 | 10 | 263 | 0.008 | 22.1 | 43,330.78 | 1.32 | 429 | 427 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,459,323.69 | 4.52 |
| F14079-F14077 | 8 | 256 | 0.012 | 10.2 | 21,676.84 | 1.31 | 450 | 447 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 999,144.84 | 5.15 |
| F06059-F06057 | 8 | 252 | 0.004 | 25.3 | 80,314.22 | 1.31 | 481 | 480 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 581,416.75 | 3.00 |
| E01007-E01005 | 8 | 251 | 0.003 | 2.2 | 477.49 | 0.23 | 576.34 | 575.48 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 540,256.71 | 2.79 |
| J14091-J14089 | 8 | 259 | 0.004 | 22 | 60,041.68 | 1.32 | 336 | 335 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 573,505.95 | 2.96 |
| F02077-F02070 | 8 | 104 | 0.013 | 9.7 | 14,494.05 | 1.32 | 536.65 | 535.09 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,047,990.68 | 5.40 |
| D14059-D14057 | 8 | 156 | 0.077 | 2.6 | 1,861.67 | 1.26 | 515 | 503 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,559,859.51 | 13.20 |
| C03043-C03041 | 8 | 379 | 0.016 | 7.6 | 13,325.57 | 1.32 | 640 | 634 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,161,298.40 | 5.99 |
| H05005-H05003 | 12 | 249 | 0.005 | 17.7 | 131,332.66 | 1.31 | 446.24 | 445 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,920,329.12 | 3.71 |
| E03247-E03245 | 10 | 263 | 0.002 | 1.9 | 434.85 | 0.08 | 561.18 | 560.68 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 729,661.84 | 2.26 |
| J07117-J07115 | 10 | 300 | 0.009 | 11.5 | 32,802.60 | 1.29 | 413.56 | 410.97 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,554,904.65 | 4.81 |
| C03019-C04063 | 8 | 306 | 0.016 | 7.6 | 13,048.07 | 1.33 | 656 | 651 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,179,810.06 | 6.08 |
| J14097-J14095 | 8 | 253 | 0.004 | 21.2 | 55,320.07 | 1.32 | 339 | 338 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 580,266.56 | 2.99 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| F12013-F12011 | 12 | 211 | 0.005 | 13 | 67,787.80 | 1.32 | 393 | 392 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,873,368.75 | 3.62 |
| F02182-F02167 | 8 | 45 | 0.006 | 17.6 | 37,689.35 | 1.32 | 544.99 | 544.63 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 720,963.12 | 3.72 |
| C04051-C04049 | 8 | 286 | 0.016 | 8.1 | 12,169.22 | 1.33 | 831.57 | 827.12 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,151,290.17 | 5.94 |
| F03021-G03067 | 8 | 251 | 0.008 | 13.1 | 30,259.89 | 1.33 | 513 | 511 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 823,883.76 | 4.25 |
| D08057-D08055 | 8 | 278 | 0.011 | 12.1 | 29,703.43 | 1.31 | 486 | 483 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 958,795.61 | 4.94 |
| F13043-F13041 | 12 | 77 | 0.007 | 9.7 | 43,580.45 | 1.32 | 406 | 405.48 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,236,252.34 | 4.32 |
| C02019-C02015 | 8 | 259 | 0.008 | 13.7 | 30,953.82 | 1.33 | 636 | 634 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 811,059.89 | 4.18 |
| D16001-E16007 | 15 | 274 | 0.004 | 15.5 | 155,374.25 | 1.32 | 480 | 479 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,980,683.87 | 3.84 |
| D13001-D12011 | 8 | 150 | 0.007 | 17.3 | 40,880.16 | 1.33 | 422 | 421 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 753,602.23 | 3.89 |
| C06033-C06029 | 8 | 279 | 0.029 | 5.4 | 5,614.81 | 1.32 | 575 | 567 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,562,898.23 | 8.06 |
| K14103-K14101 | 10 | 395 | 0.002 | 35.6 | 185,590.31 | 1.33 | 311.16 | 310.5 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 684,050.13 | 2.12 |
| E14007-E14005 | 15 | 330 | 0.003 | 17.9 | 188,927.54 | 1.32 | 446 | 445 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,716,027.92 | 3.50 |
| F02190-F02189 | 8 | 93 | 0.005 | 16.5 | 37,720.51 | 1.33 | 549.06 | 548.53 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 682,244.24 | 3.52 |
| J14093-J14091 | 8 | 259 | 0.004 | 21.9 | 60,449.58 | 1.33 | 337 | 336 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 573,505.95 | 2.96 |
| E01005-E01003 | 8 | 296 | 0.004 | 2.2 | 473.55 | 0.21 | 575.48 | 574.39 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 560,086.62 | 2.89 |
| H06013-H06009 | 12 | 318 | 0.005 | 20.5 | 137,411.76 | 1.32 | 441 | 439.41 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,924,196.85 | 3.72 |
| F17021-F17019 | 12 | 212 | 0.005 | 18.2 | 105,331.73 | 1.33 | 524 | 523 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,868,945.20 | 3.61 |
| D17079-D17077 | 8 | 101 | 0.01 | 12.9 | 26,103.83 | 1.32 | 500 | 499 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 918,389.95 | 4.74 |
| E12083-E12007 | 10 | 394 | 0.01 | 29.1 | 33,088.47 | 1.33 | 410 | 406 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,686,150.72 | 5.22 |
| C02015-C02013 | 8 | 267 | 0.007 | 17 | 33,735.85 | 1.34 | 634 | 632 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 798,816.77 | 4.12 |
| F04169-F04167 | 8 | 228 | 0.009 | 13.3 | 25,689.87 | 1.34 | 529 | 527 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 864,441.05 | 4.46 |
| E05023-E05021 | 8 | 32 | 0.031 | 5.6 | 4,908.60 | 1.32 | 520 | 519 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,631,596.70 | 8.41 |
| F04007-F04005 | 8 | 255 | 0.012 | 9.5 | 18,470.00 | 1.33 | 515 | 512 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,001,102.04 | 5.16 |
| F12009-F12007 | 12 | 197 | 0.005 | 12.8 | 68,015.43 | 1.32 | 391 | 390 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,938,792.74 | 3.75 |
| F16037-F16023 | 8 | 168 | 0.006 | 22.8 | 56,243.57 | 1.33 | 490 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 712,087.18 | 3.67 |
| G03029-G03027 | 8 | 250 | 0.004 | 22.3 | 59,573.64 | 1.26 | 504 | 503 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 583,737.78 | 3.01 |
| G11003-G11001 | 8 | 300 | 0.022 | 92.3 | 6,706.79 | 1.33 | 380 | 373.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,358,575.75 | 7.01 |
| F10037-F10031 | 24 | 89 | 0.001 | 28.1 | 932,184.73 | 1.32 | 416.1 | 416 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 5,791,834.58 | 2.89 |
| F19048-F19047 | 8 | 0 | 0.061 | 6.2 | 3,096.87 | 1.38 | 573.9 | 570.85 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,279,568.91 | 11.76 |
| G08123-G08121 | 12 | 63 | 0.01 | 8.4 | 33,062.09 | 1.34 | 438 | 437.38 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,699,541.87 | 5.22 |
| D05003-D05001 | 8 | 345 | 0.006 | 17.5 | 38,874.06 | 1.34 | 563 | 561 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 702,737.71 | 3.62 |
| D08053-D08051 | 12 | 198 | 0.01 | 8.6 | 39,478.05 | 1.32 | 478 | 476 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,734,934.32 | 5.29 |
| E10071-E10069 | 8 | 66 | 0.003 | 25.7 | 65,083.23 | 1.35 | 427.6 | 427.4 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 508,078.52 | 2.62 |
| F08085-F08083 | 8 | 282 | 0.007 | 41.9 | 43,826.85 | 1.34 | 448 | 446 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 777,281.36 | 4.01 |
| F09029-F09027 | 8 | 133 | 0.008 | 14.6 | 29,713.69 | 1.34 | 430 | 429 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 800,316.90 | 4.13 |
| F16003-F15109 | 8 | 220 | 0.027 | 7.4 | 7,716.78 | 1.36 | 483 | 477 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,524,235.57 | 7.86 |
| J14095-J14093 | 8 | 253 | 0.004 | 21.7 | 59,134.13 | 1.34 | 338 | 337 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 580,266.56 | 2.99 |
| D09085-D09075 | 8 | 284 | 0.014 | 13.3 | 11,139.35 | 1.35 | 455 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,095,364.43 | 5.65 |
| J14033-J14031 | 8 | 249 | 0.004 | 21.2 | 57,592.83 | 1.34 | 348 | 347 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 584,908.77 | 3.02 |
| F05009-F05007 | 8 | 286 | 0.01 | 11.7 | 21,656.93 | 1.32 | 503 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 945,290.77 | 4.88 |
| E15083-E15081 | 8 | 232 | 0.009 | 13.6 | 33,795.36 | 1.35 | 469 | 467 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 856,956.57 | 4.42 |
| D13063-D13061 | 10 | 313 | 0.01 | 10.4 | 32,555.23 | 1.33 | 429 | 426 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,638,335.97 | 5.07 |
| G08015-G08013 | 8 | 291 | 0.007 | 14 | 31,087.57 | 1.34 | 439 | 437 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 765,167.14 | 3.95 |
| D10109-D10107 | 8 | 334 | 0.009 | 10.8 | 17,845.61 | 1.36 | 445 | 442 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 874,732.38 | 4.51 |
| E05003-E05001 | 8 | 262 | 0.011 | 15.4 | 17,893.14 | 1.35 | 527 | 524 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 987,637.99 | 5.09 |
| E15081-E15073 | 8 | 228 | 0.009 | 15 | 34,376.88 | 1.36 | 467 | 465 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 864,441.05 | 4.46 |
| J06097-J06089 | 8 | 302 | 0.008 | 12 | 23,991.40 | 1.35 | 432.81 | 430.33 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 836,392.59 | 4.31 |
| E12153-E12151 | 8 | 402 | 0.01 | 10.8 | 22,490.61 | 1.34 | 426 | 422 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 920,671.66 | 4.75 |
| F06079-F06077 | 8 | 200 | 0.013 | 13.7 | 18,083.42 | 1.35 | 492.69 | 490.13 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,044,221.89 | 5.39 |
| D04043-E04011 | 8 | 294 | 0.014 | 9.8 | 16,118.06 | 1.35 | 558 | 554 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,076,574.62 | 5.55 |
| D11073-E11123 | 8 | 260 | 0.019 | 6.7 | 11,526.64 | 1.35 | 435 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,279,929.75 | 6.60 |
| D05011-D05009 | 8 | 343 | 0.026 | 5.5 | 6,651.49 | 1.35 | 586 | 577 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,495,071.63 | 7.71 |
| H08019-H08017 | 8 | 26 | 0.038 | 9.7 | 5,016.99 | 1.36 | 429 | 428 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,810,094.02 | 9.34 |
| J12011-J12009 | 21 | 302 | 0.001 | 28.9 | 791,786.34 | 0.81 | 358.68 | 358.29 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 4,349,053.93 | 2.80 |
| D13043-D13041 | 12 | 275 | 0.004 | 17.6 | 111,413.50 | 1.34 | 441 | 440 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,640,960.59 | 3.17 |
| E06063-E06061 | 8 | 264 | 0.008 | 15.7 | 28,523.02 | 1.35 | 509 | 507 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 803,342.68 | 4.14 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| E01003-E01001 | 8 | 263 | 0.004 | 2.2 | 468.55 | 0.22 | 574.39 | 573.34 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 583,182.63 | 3.01 |
| D05129-D05127 | 8 | 294 | 0.024 | 6.1 | 9,009.10 | 1.33 | 573 | 566 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,424,174.36 | 7.35 |
| L14009-L13145 | 8 | 208 | 0.014 | 9.9 | 12,957.59 | 1.36 | 325 | 322 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,108,451.68 | 5.72 |
| D05075-D05073 | 10 | 312 | 0.022 | 5.5 | 12,728.40 | 1.34 | 572 | 565 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,506,606.90 | 7.76 |
| D04089-D04087 | 8 | 207 | 0.029 | 5.6 | 6,403.25 | 1.38 | 606 | 600 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,571,369.28 | 8.10 |
| E11121-E11119 | 10 | 197 | 0.015 | 39 | 17,388.94 | 1.37 | 421 | 418 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,065,104.45 | 6.39 |
| C08001-D08065 | 8 | 79 | 0.013 | 10.9 | 25,996.53 | 1.34 | 502 | 501 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,038,422.91 | 5.36 |
| E14009-E14007 | 15 | 324 | 0.003 | 17.8 | 188,223.55 | 1.35 | 447 | 446 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,741,060.96 | 3.53 |
| E15099-E15097 | 8 | 246 | 0.016 | 8.4 | 15,256.49 | 1.36 | 463 | 459 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,176,928.96 | 6.07 |
| C10013-C09001 | 8 | 281 | 0.011 | 12.3 | 14,909.97 | 1.34 | 457 | 454 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 953,663.75 | 4.92 |
| G05105-G05103 | 8 | 258 | 0.008 | 13.9 | 34,078.95 | 1.35 | 495 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 812,630.19 | 4.19 |
| E04009-E05051 | 8 | 333 | 0.009 | 18 | 28,087.04 | 1.36 | 549 | 546 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 876,044.80 | 4.52 |
| D05109-D05107 | 8 | 144 | 0.014 | 8 | 13,868.51 | 1.36 | 548 | 546 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,087,731.13 | 5.61 |
| D05087-D05085 | 8 | 252 | 0.033 | 4.6 | 5,691.23 | 1.34 | 602.3 | 594.1 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,664,924.19 | 8.59 |
| D19009-D19003 | 8 | 219 | 0.044 | 5.2 | 6,707.56 | 1.36 | 556.26 | 546.23 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,931,614.84 | 9.96 |
| C07097-C07095 | 8 | 118 | 0.017 | 8.1 | 12,379.30 | 1.36 | 529 | 527 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,201,605.21 | 6.20 |
| D05029-D05027 | 8 | 15 | 0.067 | 2.6 | 2,245.92 | 1.37 | 592 | 591 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,383,099.51 | 12.29 |
| D04045-D04043 | 8 | 290 | 0.017 | 7.8 | 12,078.33 | 1.37 | 563 | 558 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,211,919.60 | 6.25 |
| E01011-E01009 | 8 | 187 | 0.01 | 1.4 | 52.46 | 0.16 | 581 | 579.05 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 942,506.40 | 4.86 |
| G03027-G03025 | 8 | 256 | 0.004 | 25.8 | 66,633.46 | 1.28 | 503 | 502 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| F06147-F06145 | 10 | 276 | 0.007 | 11.4 | 39,240.67 | 1.35 | 490 | 488 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,424,541.04 | 4.41 |
| E01001-E02017 | 8 | 288 | 0.004 | 2.2 | 463.54 | 0.2 | 573.34 | 572.13 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 598,252.12 | 3.09 |
| C02025-C02023 | 8 | 270 | 0.015 | 9.1 | 16,062.50 | 1.37 | 644 | 640 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,123,403.88 | 5.79 |
| D07125-D07123 | 8 | 246 | 0.012 | 12 | 17,180.07 | 1.36 | 485 | 482 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,019,250.38 | 5.26 |
| C06013-C06011 | 8 | 259 | 0.031 | 4.9 | 5,614.81 | 1.35 | 579 | 571 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,622,119.77 | 8.37 |
| E12085-E12083 | 10 | 376 | 0.011 | 9.6 | 32,211.96 | 1.36 | 414 | 410 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,726,038.91 | 5.34 |
| E12063-E12061 | 8 | 131 | 0.008 | 14.9 | 35,506.11 | 1.36 | 412 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 806,403.05 | 4.16 |
| E12061-E12009 | 8 | 144 | 0.007 | 35.9 | 40,116.60 | 1.37 | 411 | 410 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 769,142.06 | 3.97 |
| D06073-D06023 | 8 | 181 | 0.006 | 24.5 | 43,752.67 | 1.37 | 533 | 532 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 686,038.55 | 3.54 |
| C06037-C06035 | 8 | 193 | 0.031 | 6.9 | 5,614.81 | 1.36 | 547 | 541 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,627,364.28 | 8.39 |
| G11021-G11011 | 8 | 325 | 0.009 | 80.3 | 22,952.06 | 1.37 | 378 | 375 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 886,761.35 | 4.57 |
| C02011-C02009 | 8 | 148 | 0.007 | 17.6 | 47,526.10 | 1.36 | 631 | 630 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 758,677.05 | 3.91 |
| D03015-D03013 | 8 | 99 | 0.01 | 11.9 | 27,713.31 | 1.35 | 597 | 596 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 927,620.23 | 4.78 |
| F07001-F08087 | 8 | 125 | 0.008 | 15.5 | 39,954.15 | 1.36 | 451 | 450 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 825,529.89 | 4.26 |
| D05079-D05077 | 10 | 308 | 0.026 | 4.8 | 11,004.78 | 1.38 | 587 | 579 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,697,019.86 | 8.35 |
| D13059-D13051 | 10 | 112 | 0.009 | 12.7 | 40,347.78 | 1.36 | 424 | 423 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,581,268.05 | 4.89 |
| G13037-G13031 | 8 | 259 | 0.004 | 22.2 | 61,843.07 | 1.37 | 392 | 391 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 573,505.95 | 2.96 |
| G05103-G05101 | 8 | 247 | 0.008 | 14.6 | 34,552.39 | 1.36 | 493 | 491 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 830,528.10 | 4.28 |
| F08021-F08019 | 8 | 191 | 0.005 | 17.6 | 40,340.23 | 1.38 | 438 | 437 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 667,838.00 | 3.44 |
| E03091-E03089 | 8 | 182 | 0.005 | 19.6 | 57,348.60 | 1.37 | 563 | 562 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 684,151.23 | 3.53 |
| F14093-F14091 | 8 | 262 | 0.011 | 11 | 24,915.97 | 1.37 | 449 | 446 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 987,637.99 | 5.09 |
| F17023-F17021 | 12 | 200 | 0.005 | 16 | 105,395.97 | 1.36 | 525 | 524 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,924,196.85 | 3.72 |
| H10041-H10039 | 8 | 352 | 0.006 | 18.1 | 38,142.98 | 1.37 | 390 | 388 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 695,715.17 | 3.59 |
| F18037-F18035 | 8 | 251 | 0.009 | 14.3 | 31,122.15 | 1.38 | 551 | 549 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 882,024.70 | 4.55 |
| D15013-D15009 | 8 | 229 | 0.026 | 9.3 | 8,224.99 | 1.39 | 485 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,493,983.12 | 7.71 |
| F15055-F14079 | 8 | 252 | 0.016 | 9.4 | 17,973.28 | 1.38 | 454 | 450 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,162,833.49 | 6.00 |
| C04063-C04061 | 8 | 296 | 0.017 | 7.8 | 14,725.83 | 1.38 | 651 | 646 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,199,573.75 | 6.19 |
| K12059-K12057 | 8 | 211 | 0.014 | 8.1 | 14,712.06 | 1.38 | 364 | 361 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,100,543.48 | 5.68 |
| D11023-D11021 | 8 | 269 | 0.004 | 21.8 | 58,894.87 | 1.38 | 466 | 465 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 562,745.03 | 2.90 |
| D15079-D15077 | 8 | 116 | 0.103 | 2.1 | 1,861.38 | 1.42 | 588 | 576 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,968,584.64 | 15.31 |
| H13059-H13051 | 12 | 262 | 0.011 | 5.8 | 18,810.91 | 1.38 | 369 | 366 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,911,886.75 | 5.63 |
| D05035-D05033 | 8 | 326 | 0.018 | 7.6 | 11,109.60 | 1.38 | 579.81 | 574 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,232,159.91 | 6.35 |
| D05127-D05125 | 8 | 91 | 0.022 | 22.7 | 11,224.16 | 1.41 | 566 | 564 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,368,302.46 | 7.06 |
| D16015-D16013 | 15 | 194 | 0.005 | 12.3 | 113,487.45 | 1.37 | 492 | 491 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,542,340.74 | 4.57 |
| D10049-D10047 | 8 | 155 | 0.019 | 6.8 | 8,235.66 | 1.38 | 469 | 466 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,284,051.92 | 6.62 |
| K10005-K10003 | 15 | 307 | 0.003 | 22.4 | 311,087.74 | 1.35 | 369 | 368 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,815,931.02 | 3.63 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| E12149-E12147 | 8 | 412 | 0.01 | 12.5 | 27,800.29 | 1.37 | 417 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 909,429.83 | 4.69 |
| E18063-E18061 | 8 | 44 | 0.03 | 5.7 | 8,013.01 | 1.4 | 543.1 | 541.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,586,474.68 | 8.18 |
| G14031-G14029 | 10 | 172 | 0.017 | 6.2 | 15,448.10 | 1.36 | 432 | 429 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,210,094.85 | 6.84 |
| E08063-E08059 | 8 | 330 | 0.006 | 25 | 42,066.97 | 1.38 | 467 | 465 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 718,531.54 | 3.71 |
| H09031-H09029 | 12 | 401 | 0.007 | 11.2 | 60,606.57 | 1.36 | 418 | 415 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,353,709.93 | 4.55 |
| F01019-F01017 | 8 | 224 | 0.031 | 0 | 0 | 0 | 535.9 | 528.92 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,629,264.18 | 8.40 |
| C06043-C06041 | 8 | 376 | 0.029 | 5.7 | 6,594.92 | 1.41 | 555 | 544 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,578,665.90 | 8.14 |
| D02029-D02027 | 8 | 305 | 0.013 | 10.4 | 21,680.10 | 1.39 | 614 | 610 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,056,982.71 | 5.45 |
| F09081-G09033 | 8 | 278 | 0.004 | 26 | 81,848.64 | 1.38 | 424 | 423 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 553,560.90 | 2.85 |
| G13059-G13057 | 8 | 352 | 0.006 | 16.8 | 33,100.82 | 1.39 | 404 | 402 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 695,715.17 | 3.59 |
| C04045-C04043 | 8 | 256 | 0.013 | 9.4 | 19,419.33 | 1.39 | 821.29 | 817.84 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,071,463.48 | 5.53 |
| D14053-D14051 | 8 | 319 | 0.038 | 4.2 | 5,883.34 | 1.42 | 479 | 467 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,790,123.89 | 9.23 |
| C07099-C07097 | 8 | 333 | 0.018 | 7.1 | 11,969.57 | 1.39 | 535 | 529 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,238,914.44 | 6.39 |
| D13087-D13081 | 8 | 67 | 0.015 | 10.5 | 17,502.07 | 1.39 | 442 | 441 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,127,587.90 | 5.82 |
| F08133-F08131 | 8 | 330 | 0.009 | 14.9 | 32,526.61 | 1.39 | 461 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 880,017.82 | 4.54 |
| E06065-E06063 | 8 | 266 | 0.015 | 10.4 | 14,336.37 | 1.4 | 513 | 509 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,131,819.01 | 5.84 |
| F11053-F11043 | 8 | 234 | 0.009 | 14 | 20,588.48 | 1.4 | 394 | 392 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 853,286.50 | 4.40 |
| C03041-D03005 | 8 | 322 | 0.019 | 7.4 | 13,856.24 | 1.4 | 634 | 628 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,259,898.32 | 6.50 |
| D16067-D16065 | 8 | 302 | 0.02 | 7.1 | 11,907.41 | 1.4 | 492 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,300,948.07 | 6.71 |
| D05095-D05093 | 8 | 282 | 0.018 | 8.3 | 11,321.25 | 1.4 | 554 | 549 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,228,989.73 | 6.34 |
| F14027-F14025 | 8 | 349 | 0.014 | 7.9 | 12,168.62 | 1.4 | 433 | 428 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,104,740.04 | 5.70 |
| G07081-G07079 | 8 | 397 | 0.013 | 10.8 | 21,452.02 | 1.39 | 451 | 446 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,035,803.93 | 5.34 |
| H09029-H09027 | 12 | 407 | 0.007 | 11.4 | 63,385.57 | 1.38 | 415 | 412 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,336,296.30 | 4.52 |
| H11113-H11105 | 8 | 211 | 0.005 | 22.9 | 62,985.18 | 1.39 | 369 | 368 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 635,399.08 | 3.28 |
| F10101-F10099 | 8 | 202 | 0.01 | 9.9 | 17,429.36 | 1.39 | 409 | 407 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 918,389.95 | 4.74 |
| D14017-D14015 | 8 | 319 | 0.041 | 4 | 5,261.39 | 1.41 | 483 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,863,220.02 | 9.61 |
| F04151-F04149 | 15 | 264 | 0.002 | 15.7 | 115,382.44 | 0.95 | 522 | 521.5 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,147,208.60 | 2.77 |
| K14017-K14015 | 18 | 259 | 0.002 | 24.2 | 389,615.96 | 1.38 | 321 | 320.5 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 3,525,139.51 | 3.03 |
| G14009-G13057 | 8 | 277 | 0.029 | 11.6 | 5,816.58 | 1.39 | 410 | 402 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,568,530.31 | 8.09 |
| E07029-E07027 | 12 | 267 | 0.004 | 15.5 | 86,438.14 | 1.4 | 497.3 | 496.3 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,665,362.83 | 3.22 |
| J12025-J12023 | 30 | 107 | 0.004 | 10.2 | 412,806.91 | 1.37 | 358.49 | 358.09 | Vitrified Clay Pipe-Circular-30 inch | 4.9 | 19,154,726.76 | 6.05 |
| F08013-F08011 | 8 | 252 | 0.005 | 18.2 | 47,976.30 | 1.4 | 435 | 433.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 662,917.09 | 3.42 |
| K15007-K15005 | 12 | 155 | 0.002 | 35.4 | 292,968.27 | 1.39 | 326 | 325.75 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,092,870.37 | 2.11 |
| H12039-H12037 | 8 | 119 | 0.006 | 15.9 | 40,363.24 | 1.39 | 365 | 364.24 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 737,600.36 | 3.80 |
| F11045-F11043 | 8 | 340 | 0.006 | 16.2 | 35,532.59 | 1.4 | 394 | 392 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 707,886.04 | 3.65 |
| E05009-E05003 | 8 | 325 | 0.018 | 8 | 11,140.68 | 1.4 | 533 | 527 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,254,069.92 | 6.47 |
| F14075-F14073 | 8 | 253 | 0.012 | 11.2 | 26,583.85 | 1.4 | 443 | 440 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,005,051.17 | 5.18 |
| G10031-G10027 | 8 | 330 | 0.003 | 27.6 | 84,754.33 | 1.4 | 399 | 398 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 508,078.52 | 2.62 |
| J12073-J12065 | 8 | 324 | 0.006 | 21 | 66,314.58 | 1.39 | 364 | 362 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 725,154.09 | 3.74 |
| E18035-E18019 | 8 | 113 | 0.049 | 7.4 | 4,623.61 | 1.41 | 527 | 521.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,036,244.53 | 10.50 |
| C06005-C06003 | 8 | 329 | 0.009 | 17 | 26,351.53 | 1.42 | 540 | 537 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 881,354.21 | 4.55 |
| E15045-E15043 | 8 | 105 | 0.005 | 25.1 | 87,754.55 | 1.4 | 458 | 457.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 636,910.14 | 3.28 |
| D02025-D02023 | 8 | 309 | 0.013 | 12 | 24,098.05 | 1.4 | 607 | 603 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,050,119.11 | 5.42 |
| C06059-C06057 | 8 | 197 | 0.02 | 6.4 | 10,440.89 | 1.4 | 541 | 537 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,315,178.47 | 6.78 |
| D01023-D02059 | 8 | 212 | 0.019 | 12.5 | 14,128.38 | 1.42 | 613 | 609 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,267,797.45 | 6.54 |
| E07025-E07023 | 12 | 320 | 0.031 | 4 | 7,019.16 | 1.38 | 501 | 491 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 4,810,492.13 | 9.30 |
| D07111-D07099 | 8 | 216 | 0.032 | 12.6 | 5,850.61 | 1.39 | 500 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,661,536.75 | 8.57 |
| D10105-D10023 | 8 | 305 | 0.007 | 87.5 | 31,564.93 | 1.4 | 438 | 436 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 747,399.64 | 3.85 |
| D14001-E14025 | 8 | 186 | 0.011 | 12.5 | 25,000.60 | 1.39 | 457 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 957,075.80 | 4.94 |
| D07127-D07125 | 8 | 254 | 0.016 | 8.4 | 13,978.15 | 1.41 | 489 | 485 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,158,246.36 | 5.97 |
| F14091-F14089 | 8 | 249 | 0.012 | 11.2 | 26,122.67 | 1.4 | 446 | 443 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,013,091.71 | 5.22 |
| D09027-D09017 | 8 | 442 | 0.007 | 27.2 | 29,109.53 | 1.41 | 446 | 443 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 760,391.58 | 3.92 |
| F07101-F07099 | 8 | 260 | 0.004 | 29.7 | 107,782.72 | 1.4 | 478 | 477 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 572,401.99 | 2.95 |
| K14019-K14017 | 18 | 231 | 0.002 | 21.8 | 367,201.07 | 1.38 | 321.5 | 321 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 3,732,675.20 | 3.21 |
| D09039-D09037 | 8 | 207 | 0.002 | 33.4 | 101,695.36 | 1.42 | 447 | 446.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 453,615.24 | 2.34 |
| D11077-D11075 | 8 | 117 | 0.026 | 5.8 | 9,040.86 | 1.39 | 444 | 441 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,477,935.58 | 7.62 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| G13049-G13047 | 8 | 296 | 0.01 | 14.5 | 19,023.07 | 1.4 | 400 | 397 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 929,185.83 | 4.79 |
| J12009-J12007 | 21 | 317 | 0.002 | 27.7 | 791,786.34 | 0.84 | 358.29 | 357.81 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 4,709,306.41 | 3.04 |
| D05009-D05007 | 8 | 281 | 0.021 | 8.8 | 9,908.38 | 1.42 | 577 | 571 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,348,684.21 | 6.96 |
| F10029-F10027 | 24 | 193 | 0.001 | 26.5 | 953,303.23 | 1.39 | 415.75 | 415.5 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 6,218,741.48 | 3.10 |
| D10039-D10037 | 8 | 223 | 0.013 | 11.4 | 13,723.76 | 1.42 | 458 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,070,523.00 | 5.52 |
| F12011-F12009 | 12 | 172 | 0.006 | 12.6 | 67,894.75 | 1.39 | 392 | 391 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,074,914.83 | 4.01 |
| G12019-G12007 | 8 | 248 | 0.004 | 27.1 | 86,317.39 | 1.4 | 380.41 | 379.48 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 565,201.68 | 2.91 |
| E15073-E15071 | 8 | 265 | 0.008 | 16.4 | 46,805.53 | 1.41 | 465 | 463 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 801,825.51 | 4.14 |
| E05119-F05067 | 8 | 403 | 0.01 | 13 | 26,621.13 | 1.42 | 526 | 522 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 919,528.68 | 4.74 |
| F14087-F14085 | 8 | 261 | 0.011 | 12.2 | 28,231.22 | 1.39 | 440 | 437 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 989,528.21 | 5.10 |
| D05073-D05041 | 10 | 337 | 0.021 | 13.3 | 15,594.60 | 1.41 | 565 | 558 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,411,840.47 | 7.46 |
| D04005-D04003 | 8 | 329 | 0.015 | 8.8 | 18,224.23 | 1.42 | 608 | 603 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,137,823.40 | 5.87 |
| D16059-D16001 | 8 | 220 | 0.014 | 19.4 | 21,114.89 | 1.42 | 483 | 480 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,077,797.31 | 5.56 |
| E04011-E04009 | 8 | 460 | 0.011 | 11.6 | 24,677.08 | 1.41 | 554 | 549 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 962,263.24 | 4.96 |
| F10019-F10017 | 24 | 294 | 0.001 | 26.1 | 953,543.84 | 1.39 | 415 | 414.6 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 6,373,345.81 | 3.18 |
| D12041-E12089 | 8 | 400 | 0.013 | 11 | 24,625.62 | 1.41 | 429 | 424 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,031,912.36 | 5.32 |
| E10077-E10075 | 8 | 106 | 0.009 | 12.2 | 19,675.90 | 1.43 | 430 | 429 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 896,468.17 | 4.62 |
| D15081-D15079 | 8 | 124 | 0.121 | 1.8 | 1,552.53 | 1.41 | 603 | 588 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,210,129.81 | 16.56 |
| E10037-E10035 | 8 | 264 | 0.004 | 21.4 | 57,093.24 | 1.43 | 411 | 410 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 568,049.06 | 2.93 |
| F13031-F13029 | 12 | 363 | 0.006 | 12 | 62,225.31 | 1.42 | 401 | 399 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,019,882.86 | 3.91 |
| C06001-D06013 | 8 | 294 | 0.003 | 27.9 | 91,333.43 | 1.42 | 535 | 534 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 538,287.31 | 2.78 |
| F14089-F14087 | 8 | 246 | 0.012 | 11.4 | 27,331.80 | 1.42 | 443 | 440 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,019,250.38 | 5.26 |
| D02097-D02095 | 8 | 131 | 0.015 | 10.8 | 18,555.26 | 1.43 | 613 | 611 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,140,426.12 | 5.88 |
| E16055-E15089 | 8 | 396 | 0.015 | 10.3 | 21,290.99 | 1.42 | 480 | 474 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,136,098.12 | 5.86 |
| E03103-E03101 | 8 | 226 | 0.009 | 15.2 | 35,127.95 | 1.42 | 568 | 566 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 868,257.58 | 4.48 |
| E15049-E15047 | 8 | 15 | 0.005 | 23.5 | 81,620.49 | 1.42 | 461.09 | 461.01 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 674,042.33 | 3.48 |
| D09081-D09079 | 8 | 176 | 0.006 | 16.1 | 36,982.72 | 1.43 | 454 | 453 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 695,715.17 | 3.59 |
| F09087-F09085 | 8 | 379 | 0.005 | 22.8 | 54,856.65 | 1.42 | 427 | 425 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 670,475.94 | 3.46 |
| J11089-J11087 | 8 | 226 | 0.009 | 16.5 | 42,140.11 | 1.42 | 371 | 369 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 868,257.58 | 4.48 |
| G08069-G08067 | 12 | 205 | 0.001 | 50 | 520,531.25 | 1.42 | 442 | 441.7 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,040,993.92 | 2.01 |
| L14045-L14043 | 10 | 129 | 0.004 | 68.5 | 847,944.03 | 0.86 | 310.5 | 310 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,041,848.70 | 3.22 |
| J12091-J12089 | 10 | 156 | 0.006 | 16.8 | 82,021.44 | 1.41 | 359 | 358 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,339,837.75 | 4.15 |
| K11071-K11069 | 8 | 130 | 0.008 | 16.1 | 33,241.28 | 1.43 | 347 | 346 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 809,498.65 | 4.17 |
| E05109-E05025 | 8 | 213 | 0.009 | 12 | 26,605.33 | 1.43 | 516 | 514 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 894,361.31 | 4.61 |
| E15089-E15083 | 8 | 402 | 0.012 | 12.3 | 26,760.66 | 1.43 | 474 | 469 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,029,342.21 | 5.31 |
| F09091-F09089 | 8 | 177 | 0.006 | 18.2 | 50,363.91 | 1.43 | 431 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 693,747.09 | 3.58 |
| K15039-K15037 | 12 | 401 | 0.005 | 13.1 | 64,864.49 | 1.44 | 319 | 317 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,921,796.11 | 3.72 |
| F10079-F10077 | 8 | 367 | 0.003 | 31.7 | 97,995.44 | 1.44 | 409 | 408 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 481,786.66 | 2.48 |
| G04093-G04091 | 8 | 325 | 0.003 | 33.4 | 123,526.28 | 1.39 | 499 | 498 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 511,971.90 | 2.64 |
| E02039-E02037 | 8 | 333 | 0.012 | 0 | 0 | 0 | 571.65 | 567.49 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,031,602.43 | 5.32 |
| D01063-E01033 | 8 | 297 | 0.027 | 0 | 0 | 0 | 601.16 | 593.17 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,513,850.44 | 7.81 |
| D04097-D04095 | 8 | 127 | 0.008 | 15.3 | 41,365.12 | 1.44 | 594 | 593 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 819,003.86 | 4.22 |
| F15061-F15059 | 8 | 216 | 0.014 | 10 | 22,482.40 | 1.44 | 456 | 453 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,087,731.13 | 5.61 |
| G12051-G12049 | 8 | 249 | 0.004 | 24.6 | 77,451.66 | 1.44 | 386 | 385 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 584,908.77 | 3.02 |
| D03011-D03009 | 8 | 351 | 0.011 | 21.1 | 29,318.29 | 1.42 | 590 | 586 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 985,290.38 | 5.08 |
| G12035-G12051 | 8 | 256 | 0.004 | 24.7 | 77,227.03 | 1.44 | 387 | 386 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| D06075-D06073 | 8 | 222 | 0.014 | 13.1 | 18,470.15 | 1.44 | 536 | 533 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,072,931.38 | 5.53 |
| F08117-F08115 | 12 | 249 | 0.004 | 18.6 | 116,070.19 | 1.44 | 454 | 453 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,724,506.46 | 3.34 |
| H10021-H10019 | 8 | 279 | 0.003 | 31 | 107,076.31 | 1.44 | 394.86 | 394 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 512,430.45 | 2.64 |
| H05013-H05011 | 12 | 253 | 0.008 | 14.7 | 116,945.12 | 1.41 | 453.26 | 451.14 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,490,991.05 | 4.82 |
| D04011-D04009 | 8 | 256 | 0.02 | 7.6 | 13,952.75 | 1.45 | 620 | 615 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,289,890.45 | 6.65 |
| H11055-H11051 | 8 | 300 | 0.027 | 74.3 | 6,705.15 | 1.43 | 381 | 373 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,507,204.47 | 7.77 |
| F09043-F09041 | 8 | 297 | 0.01 | 10.9 | 23,006.67 | 1.46 | 442 | 439 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 927,620.23 | 4.78 |
| E07075-E08065 | 8 | 267 | 0.015 | 12.2 | 16,488.82 | 1.45 | 472 | 468 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,129,697.51 | 5.83 |
| F14085-F14083 | 8 | 279 | 0.011 | 12.8 | 33,445.14 | 1.43 | 437 | 434 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 957,075.80 | 4.94 |
| E12155-E12153 | 8 | 74 | 0.014 | 10.2 | 20,501.12 | 1.45 | 427 | 426 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,072,931.38 | 5.53 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| E15033-E15031 | 10 | 335 | 0.006 | 19.9 | 93,247.91 | 1.44 | 452 | 450 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,293,025.54 | 4.00 |
| E13099-E13069 | 10 | 389 | 0.008 | 17 | 49,244.87 | 1.44 | 425 | 422 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,469,604.03 | 4.55 |
| F14071-F14067 | 10 | 90 | 0.011 | 10.2 | 35,438.77 | 1.43 | 436 | 435 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,763,978.36 | 5.46 |
| E02043-E02041 | 8 | 218 | 0.02 | 0 | 0 | 0 | 581.03 | 576.69 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,302,280.16 | 6.72 |
| F04171-F04169 | 8 | 177 | 0.011 | 11.4 | 24,519.23 | 1.43 | 531 | 529 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 981,106.54 | 5.06 |
| J14087-J14085 | 8 | 262 | 0.004 | 27.5 | 94,046.01 | 1.44 | 334 | 333 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 570,213.06 | 2.94 |
| D14021-D14019 | 8 | 149 | 0.074 | 3.1 | 3,101.53 | 1.5 | 510 | 499 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,507,789.13 | 12.93 |
| F19024-F19022 | 8 | 177 | 0.095 | 2.3 | 1,935.60 | 1.38 | 595 | 578.04 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,848,988.72 | 14.69 |
| E01015-E01013 | 8 | 292 | 0.012 | 0.6 | 55.25 | 0.27 | 587.4 | 584.02 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 993,012.54 | 5.12 |
| G03067-G03065 | 8 | 307 | 0.01 | 13 | 32,306.95 | 1.45 | 511 | 508 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 912,387.33 | 4.71 |
| D08029-D08027 | 8 | 174 | 0.017 | 7.5 | 13,495.64 | 1.46 | 484 | 481 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,211,919.60 | 6.25 |
| K14029-K14027 | 15 | 256 | 0.002 | 30.3 | 359,818.70 | 1.44 | 323 | 322.5 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,180,500.64 | 2.81 |
| F06111-F06109 | 10 | 23 | 0.015 | 11.9 | 28,552.72 | 1.44 | 480.24 | 479.9 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,034,651.58 | 6.30 |
| D02081-D02079 | 8 | 191 | 0.01 | 12.9 | 32,200.30 | 1.46 | 604 | 602 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 944,465.55 | 4.87 |
| E10065-E10063 | 8 | 248 | 0.004 | 24.9 | 65,943.87 | 1.46 | 426 | 425 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 586,086.84 | 3.02 |
| K12005-K12001 | 18 | 282 | 0.004 | 19 | 374,881.00 | 1.43 | 362 | 361 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 4,777,675.34 | 4.11 |
| D02079-D02077 | 8 | 300 | 0.01 | 13.3 | 34,101.19 | 1.45 | 602 | 599 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 922,970.47 | 4.76 |
| E16015-E16013 | 8 | 324 | 0.006 | 20.6 | 67,675.78 | 1.46 | 478 | 476 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 725,154.09 | 3.74 |
| H11117-H11115 | 8 | 346 | 0.006 | 19.9 | 52,309.26 | 1.46 | 372 | 370 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 701,721.46 | 3.62 |
| C02007-C02005 | 8 | 140 | 0.007 | 19.9 | 54,361.52 | 1.45 | 629 | 628 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 780,052.42 | 4.02 |
| L14019-L14017 | 12 | 306 | 0.002 | 71.3 | 943,073.31 | 1.35 | 308 | 307.5 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,099,990.13 | 2.13 |
| D17045-D17031 | 8 | 225 | 0.031 | 5.3 | 8,204.01 | 1.45 | 534 | 527 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,627,966.89 | 8.40 |
| G09029-G09027 | 8 | 248 | 0.004 | 30.5 | 88,259.04 | 1.45 | 420 | 419 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 586,086.84 | 3.02 |
| F02165-F02163 | 8 | 144 | 0.005 | 21.1 | 58,352.03 | 1.42 | 544.08 | 543.37 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 645,851.96 | 3.33 |
| D04013-D04011 | 8 | 232 | 0.026 | 6.7 | 10,437.07 | 1.45 | 626 | 620 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,484,292.32 | 7.66 |
| E10079-E10049 | 10 | 76 | 0.013 | 17.1 | 17,841.47 | 1.47 | 414 | 413 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,919,586.61 | 5.94 |
| E02003-E02001 | 10 | 198 | 0.003 | 1.7 | 442.34 | 0.09 | 563.44 | 562.83 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 928,852.66 | 2.87 |
| D17027-D17023 | 8 | 227 | 0.026 | 5.9 | 10,323.14 | 1.45 | 520 | 514 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,500,550.11 | 7.74 |
| E14087-E13085 | 8 | 238 | 0.013 | 14 | 27,327.71 | 1.46 | 433.13 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,058,452.80 | 5.46 |
| D06029-D06027 | 8 | 172 | 0.006 | 18.4 | 52,515.94 | 1.47 | 544 | 543 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 703,758.39 | 3.63 |
| H10043-H10041 | 8 | 290 | 0.01 | 13.5 | 24,624.90 | 1.47 | 393 | 390 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 938,748.89 | 4.84 |
| E10035-F10079 | 8 | 233 | 0.004 | 25.7 | 57,051.28 | 1.47 | 410 | 409 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 604,658.06 | 3.12 |
| H09023-H09003 | 12 | 281 | 0.007 | 14.4 | 76,460.25 | 1.46 | 407 | 405 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,295,759.21 | 4.44 |
| D15055-D15053 | 8 | 276 | 0.036 | 7.3 | 7,195.83 | 1.46 | 486 | 476 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,756,844.27 | 9.06 |
| D09079-D09077 | 8 | 176 | 0.006 | 16.6 | 41,602.02 | 1.47 | 453 | 452 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 695,715.17 | 3.59 |
| G03065-G03063 | 8 | 301 | 0.01 | 13.3 | 34,016.74 | 1.47 | 508 | 505 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 921,436.02 | 4.75 |
| K15047-K15045 | 8 | 111 | 0.018 | 8.1 | 13,123.14 | 1.47 | 327 | 325 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,238,914.44 | 6.39 |
| D12009-E12041 | 10 | 311 | 0.002 | 70.1 | 562,750.99 | 1.46 | 420 | 419.5 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 670,995.05 | 2.08 |
| G05111-G05109 | 8 | 199 | 0.02 | 9.2 | 13,336.68 | 1.47 | 487 | 483 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,308,552.84 | 6.75 |
| E03083-E03077 | 10 | 271 | 0.007 | 14.5 | 62,544.36 | 1.47 | 555 | 553 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,437,622.50 | 4.45 |
| F05119-F05017 | 8 | 312 | 0.016 | 34.2 | 19,492.52 | 1.46 | 492 | 487 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,168,410.66 | 6.03 |
| F15073-F15065 | 8 | 192 | 0.021 | 8.6 | 14,199.34 | 1.48 | 464 | 460 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,332,193.13 | 6.87 |
| F03023-F03021 | 8 | 255 | 0.012 | 12.1 | 26,143.14 | 1.45 | 516 | 513 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,001,102.04 | 5.16 |
| G03063-G03025 | 8 | 310 | 0.01 | 21.1 | 35,725.21 | 1.47 | 505 | 502 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 907,961.82 | 4.68 |
| E12089-E12087 | 8 | 400 | 0.013 | 11.5 | 27,678.30 | 1.45 | 424 | 419 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,031,912.36 | 5.32 |
| F06069-F06067 | 8 | 353 | 0.014 | 12.8 | 24,663.03 | 1.47 | 491 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,098,463.06 | 5.67 |
| C04061-C04023 | 8 | 308 | 0.019 | 10.7 | 16,113.66 | 1.48 | 646 | 640 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,288,214.18 | 6.64 |
| D03017-D03015 | 8 | 315 | 0.013 | 11.4 | 26,242.03 | 1.45 | 601 | 597 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,040,069.90 | 5.36 |
| F08115-F08113 | 12 | 272 | 0.004 | 24.2 | 139,974.84 | 1.48 | 453 | 452 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,649,985.19 | 3.19 |
| E15043-E15041 | 8 | 91 | 0.005 | 24.4 | 88,958.23 | 1.47 | 457.5 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 684,151.23 | 3.53 |
| E15037-E15035 | 10 | 328 | 0.006 | 19.5 | 90,388.42 | 1.47 | 455 | 453 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,306,750.23 | 4.04 |
| F16027-F16025 | 12 | 155 | 0.006 | 16.8 | 134,259.10 | 1.45 | 491 | 490 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,185,740.75 | 4.23 |
| C08005-C08003 | 8 | 377 | 0.016 | 11.3 | 24,930.05 | 1.46 | 510 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,164,374.69 | 6.01 |
| D08045-D08043 | 12 | 298 | 0.013 | 8.1 | 41,816.38 | 1.47 | 467 | 463 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,152,726.97 | 6.10 |
| D02069-D02059 | 8 | 251 | 0.02 | 12.6 | 15,303.27 | 1.48 | 614 | 609 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,302,674.61 | 6.72 |
| E03123-E03119 | 8 | 123 | 0.016 | 9.3 | 19,663.14 | 1.48 | 574 | 572 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,176,928.96 | 6.07 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| G04087-G04085 | 12 | 312 | 0.003 | 22.2 | 166,717.50 | 1.44 | 493 | 492 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,540,590.45 | 2.98 |
| E12087-E12085 | 8 | 403 | 0.012 | 11.7 | 29,486.52 | 1.46 | 419 | 414 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,028,064.32 | 5.30 |
| D08065-D08063 | 8 | 368 | 0.016 | 11.2 | 26,161.28 | 1.46 | 501 | 495 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,178,526.96 | 6.08 |
| D13095-D13087 | 8 | 215 | 0.023 | 7.7 | 12,274.37 | 1.49 | 447 | 442 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,407,516.77 | 7.26 |
| H10049-H10047 | 15 | 226 | 0.002 | 24 | 293,166.53 | 1.47 | 383.5 | 383 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,320,715.92 | 2.99 |
| D12045-D12043 | 8 | 324 | 0.015 | 9.6 | 21,287.94 | 1.48 | 439 | 434 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,146,569.29 | 5.91 |
| F10025-F10023 | 24 | 98 | 0.002 | 25.4 | 952,217.86 | 1.46 | 415.45 | 415.3 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 6,759,954.06 | 3.37 |
| F05057-F05055 | 8 | 341 | 0.006 | 20.5 | 62,282.71 | 1.48 | 513 | 511 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 706,847.32 | 3.65 |
| D02077-D02013 | 8 | 291 | 0.01 | 18.6 | 36,374.04 | 1.49 | 599 | 596 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 937,134.53 | 4.83 |
| F05061-F05057 | 8 | 320 | 0.006 | 19.5 | 57,322.19 | 1.48 | 515 | 513 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 729,672.23 | 3.76 |
| D14045-D14043 | 8 | 247 | 0.012 | 16.2 | 27,916.74 | 1.47 | 447 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,017,185.03 | 5.25 |
| E13019-E13017 | 12 | 252 | 0.002 | 46.5 | 471,421.82 | 1.48 | 423.5 | 423 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,212,130.08 | 2.34 |
| F13037-F13033 | 12 | 267 | 0.007 | 11.7 | 55,399.88 | 1.48 | 403.84 | 402 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,259,008.05 | 4.37 |
| G05051-G05049 | 8 | 5 | 0.2 | 2.9 | 1,723.20 | 1.43 | 481 | 480 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 4,127,649.43 | 21.29 |
| E02015-E02013 | 8 | 312 | 0.003 | 2.3 | 455.68 | 0.16 | 571.14 | 570.27 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 487,382.73 | 2.51 |
| L14053-L14051 | 10 | 240 | 0.004 | 93.3 | 912,889.24 | 0.88 | 313 | 312 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,080,211.73 | 3.34 |
| G09039-G09027 | 8 | 233 | 0.004 | 30 | 85,276.45 | 1.49 | 420 | 419 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 604,658.06 | 3.12 |
| E16007-E16005 | 15 | 298 | 0.005 | 14.5 | 159,219.37 | 1.48 | 479 | 477.5 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,500,488.84 | 4.51 |
| E02007-E02005 | 10 | 322 | 0.003 | 1.7 | 444.25 | 0.12 | 565.61 | 564.55 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 960,150.93 | 2.97 |
| C04049-C04047 | 8 | 300 | 0.015 | 10.7 | 18,920.20 | 1.5 | 827.12 | 822.48 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,147,852.73 | 5.92 |
| E15021-E15013 | 8 | 274 | 0.007 | 22.2 | 51,115.10 | 1.49 | 467 | 465 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 788,546.89 | 4.07 |
| G12025-G12023 | 8 | 142 | 0.005 | 24.4 | 80,670.10 | 1.48 | 382 | 381.36 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 619,631.69 | 3.20 |
| C06073-C06059 | 8 | 427 | 0.028 | 5.8 | 8,314.50 | 1.48 | 553 | 541 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,547,264.26 | 7.98 |
| D11039-D11037 | 8 | 96 | 0.034 | 4.2 | 5,515.39 | 1.52 | 496.16 | 492.88 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,706,039.62 | 8.80 |
| F12097-F12095 | 8 | 312 | 0.016 | 41.2 | 25,389.02 | 1.49 | 403 | 398 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,168,410.66 | 6.03 |
| L13151-L13149 | 12 | 119 | 0.002 | 100 | 2,336,777.74 | 1.4 | 324 | 323.8 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,115,593.60 | 2.16 |
| H10051-H10049 | 15 | 182 | 0.003 | 22.6 | 254,145.09 | 1.48 | 384 | 383.5 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,586,071.38 | 3.33 |
| G03035-G03033 | 8 | 157 | 0.013 | 12.4 | 17,571.63 | 1.18 | 509 | 507 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,041,724.74 | 5.37 |
| D06035-D06033 | 8 | 248 | 0.016 | 8.5 | 17,436.68 | 1.5 | 556 | 552 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,172,173.67 | 6.05 |
| D11075-D11073 | 8 | 217 | 0.028 | 6.3 | 10,455.48 | 1.5 | 441 | 435 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,534,735.59 | 7.92 |
| F04181-F04165 | 8 | 63 | 0.016 | 12.4 | 19,622.85 | 1.5 | 527 | 526 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,162,833.49 | 6.00 |
| D02087-D02085 | 8 | 77 | 0.013 | 11.9 | 27,495.35 | 1.48 | 606 | 605 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,051,822.47 | 5.42 |
| C06041-D06015 | 8 | 370 | 0.022 | 6.7 | 12,093.76 | 1.49 | 544 | 536 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,357,162.77 | 7.00 |
| D04083-D04081 | 8 | 202 | 0.02 | 11.1 | 14,870.67 | 1.51 | 590 | 586 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,298,799.52 | 6.70 |
| F12017-F12015 | 12 | 228 | 0.006 | 12.1 | 67,925.62 | 1.49 | 396.7 | 395.24 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,177,576.91 | 4.21 |
| D09091-D09069 | 8 | 217 | 0.014 | 16.8 | 15,969.01 | 1.51 | 445 | 442 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,085,221.95 | 5.60 |
| C06057-C07099 | 8 | 87 | 0.023 | 6.7 | 11,629.73 | 1.5 | 537 | 535 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,399,404.22 | 7.22 |
| F19039-F19032 | 8 | 0 | 0.017 | 9.1 | 19,836.46 | 1.51 | 561.05 | 558.12 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,197,697.09 | 6.18 |
| D11037-D11035 | 8 | 98 | 0.035 | 4.2 | 5,499.79 | 1.53 | 492.88 | 489.43 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,731,746.49 | 8.93 |
| F05067-F05065 | 8 | 335 | 0.009 | 14.2 | 38,244.89 | 1.5 | 522 | 519 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 873,425.83 | 4.50 |
| G11023-G11021 | 8 | 326 | 0.012 | 10.6 | 21,727.41 | 1.49 | 382 | 378 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,022,372.13 | 5.27 |
| H05015-H05013 | 12 | 296 | 0.009 | 14.6 | 116,766.98 | 1.48 | 456 | 453.26 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,618,146.38 | 5.06 |
| C07081-C07079 | 8 | 244 | 0.02 | 8.8 | 16,524.96 | 1.5 | 521 | 516 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,321,228.39 | 6.81 |
| G03025-G03019 | 8 | 256 | 0.004 | 29 | 103,122.13 | 1.45 | 502 | 501 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| H10055-H10053 | 15 | 380 | 0.003 | 21.3 | 251,779.40 | 1.5 | 387 | 386 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,531,042.29 | 3.26 |
| H10011-H10055 | 15 | 380 | 0.003 | 21.2 | 245,714.26 | 1.5 | 388 | 387 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,531,042.29 | 3.26 |
| H05011-H05009 | 12 | 277 | 0.01 | 17.6 | 117,231.09 | 1.48 | 451.14 | 448.48 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,666,646.40 | 5.16 |
| D13047-D13045 | 8 | 160 | 0.019 | 8.3 | 17,885.49 | 1.51 | 448 | 445 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,263,829.37 | 6.52 |
| C09001-D09023 | 8 | 312 | 0.006 | 16 | 40,759.44 | 1.51 | 454 | 452 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 738,967.79 | 3.81 |
| D07073-D07071 | 8 | 327 | 0.012 | 12 | 23,876.38 | 1.49 | 522 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,020,807.67 | 5.26 |
| L13141-L13139 | 8 | 136 | 0.015 | 11.1 | 19,304.34 | 1.5 | 320 | 318 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,119,266.10 | 5.77 |
| D02031-D02029 | 8 | 294 | 0.017 | 9.5 | 20,591.76 | 1.51 | 619 | 614 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,203,647.02 | 6.21 |
| D12043-D12041 | 8 | 319 | 0.016 | 10.2 | 22,800.94 | 1.51 | 434 | 429 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,155,520.00 | 5.96 |
| D09047-D09045 | 8 | 120 | 0.015 | 14.7 | 15,097.15 | 1.51 | 451.8 | 450 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,130,403.35 | 5.83 |
| D03101-D03099 | 8 | 364 | 0.008 | 25.7 | 65,701.20 | 1.5 | 595 | 592 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 837,910.71 | 4.32 |
| D05107-D05105 | 8 | 236 | 0.017 | 8.9 | 15,912.99 | 1.52 | 546 | 542 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,201,605.21 | 6.20 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| D14019-D14017 | 8 | 295 | 0.054 | 3.7 | 4,650.59 | 1.53 | 499 | 483 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,149,496.74 | 11.09 |
| C04065-C03019 | 8 | 283 | 0.035 | 6.2 | 8,231.97 | 1.53 | 666 | 656 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,734,980.47 | 8.95 |
| F10051-F10049 | 12 | 802 | 0.001 | 50.8 | 494,393.95 | 1.51 | 400 | 399 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 960,898.05 | 1.86 |
| J15003-J15001 | 12 | 240 | 0.002 | 31.7 | 270,682.80 | 1.51 | 327 | 326.5 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,242,063.73 | 2.40 |
| J14105-J14103 | 8 | 212 | 0.009 | 13.2 | 30,684.91 | 1.51 | 350 | 348 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 896,468.17 | 4.62 |
| F02167-F02165 | 8 | 99 | 0.005 | 20 | 57,364.45 | 1.47 | 544.63 | 544.08 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 681,096.21 | 3.51 |
| H05003-H05001 | 12 | 276 | 0.007 | 16.3 | 133,219.97 | 1.5 | 445 | 443 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,316,460.80 | 4.48 |
| D06045-D06043 | 8 | 319 | 0.019 | 8.3 | 15,188.44 | 1.52 | 556 | 550 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,265,808.74 | 6.53 |
| E14073-E14067 | 6 | 123 | 0.024 | 30.3 | 10,530.22 | 1.52 | 449 | 446 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 669,307.84 | 5.18 |
| D04009-D04007 | 8 | 251 | 0.02 | 7.9 | 16,255.35 | 1.52 | 615 | 610 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,302,674.61 | 6.72 |
| D18009-D18003 | 8 | 147 | 0.036 | 13.4 | 16,714.08 | 1.47 | 519.26 | 514 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,745,910.64 | 9.00 |
| F09041-F09039 | 8 | 337 | 0.012 | 11.6 | 22,974.26 | 1.5 | 439 | 435 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,005,548.11 | 5.19 |
| E14011-E14009 | 15 | 240 | 0.004 | 17.1 | 187,758.72 | 1.51 | 448 | 447 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,184,825.04 | 4.11 |
| F04149-F04147 | 15 | 121 | 0.002 | 14.8 | 115,811.64 | 1.03 | 521.5 | 521.2 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,456,739.69 | 3.17 |
| F08107-F08105 | 12 | 114 | 0.002 | 43.5 | 447,435.59 | 1.51 | 451.7 | 451.5 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,139,795.85 | 2.20 |
| D08037-D08035 | 8 | 241 | 0.004 | 30.8 | 91,645.53 | 1.52 | 474 | 473 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 594,537.55 | 3.07 |
| D10003-D10001 | 12 | 242 | 0.008 | 10.6 | 39,239.32 | 1.53 | 428 | 426 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,473,841.17 | 4.78 |
| E03077-E03073 | 10 | 265 | 0.008 | 16.5 | 68,394.25 | 1.52 | 553 | 551 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,453,806.38 | 4.50 |
| D07133-D07123 | 8 | 320 | 0.009 | 14.1 | 33,381.94 | 1.52 | 485 | 482 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 893,662.32 | 4.61 |
| K15005-K15003 | 15 | 121 | 0.002 | 28 | 316,696.41 | 1.51 | 325.75 | 325.5 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,242,686.24 | 2.89 |
| E12151-E12149 | 8 | 383 | 0.013 | 11.4 | 25,838.20 | 1.51 | 422 | 417 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,054,565.17 | 5.44 |
| D04087-D04085 | 8 | 250 | 0.024 | 6.8 | 11,859.65 | 1.53 | 600 | 594 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,429,859.71 | 7.37 |
| D04093-D04091 | 8 | 110 | 0.009 | 15.1 | 43,248.00 | 1.52 | 592 | 591 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 880,017.82 | 4.54 |
| K14035-K14033 | 15 | 239 | 0.002 | 29.5 | 353,572.34 | 1.51 | 324 | 323.5 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,256,717.78 | 2.91 |
| F05055-F05053 | 10 | 348 | 0.006 | 16.8 | 78,211.22 | 1.52 | 511 | 509 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,268,644.33 | 3.93 |
| H05001-H06013 | 12 | 271 | 0.007 | 17.2 | 135,583.16 | 1.52 | 443 | 441 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,337,732.69 | 4.52 |
| D03005-D03003 | 8 | 161 | 0.025 | 7 | 14,101.43 | 1.53 | 628 | 624 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,454,805.27 | 7.50 |
| G12089-G12087 | 12 | 299 | 0.003 | 21.6 | 161,594.03 | 1.52 | 376 | 375 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,573,725.22 | 3.04 |
| G15059-G15057 | 8 | 324 | 0.019 | 9.5 | 12,589.93 | 1.53 | 428 | 422 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,256,003.72 | 6.48 |
| H10019-H10017 | 8 | 267 | 0.004 | 30 | 107,657.83 | 1.53 | 394 | 393 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 564,848.76 | 2.91 |
| G04083-G04081 | 12 | 269 | 0.004 | 21.5 | 168,309.89 | 1.49 | 490 | 489 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,659,160.34 | 3.21 |
| D09089-D09073 | 10 | 336 | 0.012 | 13.2 | 23,053.98 | 1.52 | 452 | 448 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,825,891.07 | 5.65 |
| G03019-G03013 | 8 | 251 | 0.004 | 29.9 | 109,717.04 | 1.48 | 501 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 582,573.80 | 3.00 |
| F19053-F19049 | 8 | 233 | 0.033 | 5.4 | 9,281.92 | 1.55 | 580.82 | 573 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,673,026.06 | 8.63 |
| F14077-F14075 | 8 | 254 | 0.016 | 10.7 | 25,372.64 | 1.53 | 447 | 443 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,158,246.36 | 5.97 |
| D10133-D10003 | 8 | 283 | 0.007 | 15.1 | 38,435.18 | 1.54 | 430 | 428 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 775,906.85 | 4.00 |
| C02023-C02019 | 8 | 264 | 0.015 | 11.6 | 23,227.51 | 1.54 | 640 | 636 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,136,098.12 | 5.86 |
| K15019-K15017 | 10 | 178 | 0.003 | 30.4 | 168,730.02 | 1.54 | 312.39 | 311.92 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 859,910.87 | 2.66 |
| E02041-E02039 | 8 | 348 | 0.014 | 0 | 0 | 0 | 576.69 | 571.65 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,110,742.66 | 5.73 |
| K15037-K15035 | 12 | 382 | 0.005 | 17 | 78,594.62 | 1.54 | 317 | 315 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,969,009.51 | 3.81 |
| F20020-F19013 | 8 | 141 | 0.017 | 9.3 | 20,947.23 | 1.54 | 594.98 | 588 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,187,023.43 | 6.12 |
| E03087-E03085 | 8 | 258 | 0.008 | 18 | 57,597.12 | 1.53 | 561 | 559 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 812,630.19 | 4.19 |
| J11085-J11079 | 8 | 232 | 0.009 | 19.4 | 58,079.00 | 1.54 | 368 | 366 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 856,956.57 | 4.42 |
| L14065-L14063 | 8 | 168 | 0.005 | 22.4 | 61,705.63 | 1.55 | 311.87 | 311 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 664,190.70 | 3.43 |
| F19045-F19041 | 8 | 187 | 0.024 | 7.5 | 13,926.01 | 1.55 | 569.91 | 565.41 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,431,770.01 | 7.38 |
| G15035-G14085 | 8 | 308 | 0.013 | 13.9 | 34,553.24 | 1.52 | 421.31 | 417.18 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,068,777.92 | 5.51 |
| H10017-H10015 | 8 | 267 | 0.004 | 30.3 | 113,004.66 | 1.54 | 393 | 392 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 564,848.76 | 2.91 |
| E08049-E08047 | 15 | 327 | 0.003 | 18.2 | 197,924.93 | 1.54 | 462 | 461 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,728,458.31 | 3.52 |
| D13049-D13033 | 10 | 81 | 0.012 | 30 | 42,769.89 | 1.52 | 422 | 421 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,859,396.46 | 5.75 |
| D10087-D10083 | 8 | 312 | 0.014 | 9 | 17,704.85 | 1.53 | 483.35 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,089,820.92 | 5.62 |
| H09025-H09023 | 12 | 122 | 0.008 | 12.3 | 76,652.55 | 1.55 | 408 | 407 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,463,681.62 | 4.76 |
| G11025-G11023 | 8 | 73 | 0.014 | 9.9 | 20,895.10 | 1.53 | 383 | 382 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,080,255.23 | 5.57 |
| F10027-F10025 | 24 | 29 | 0.002 | 25 | 952,351.70 | 1.52 | 415.5 | 415.45 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 7,174,591.13 | 3.58 |
| E15041-E15039 | 8 | 236 | 0.006 | 23.5 | 89,237.07 | 1.55 | 457 | 455.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 735,829.91 | 3.79 |
| E16027-E16025 | 8 | 268 | 0.011 | 14.5 | 43,815.30 | 1.56 | 491 | 488 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 976,519.76 | 5.04 |
| D16049-D16011 | 8 | 110 | 0.109 | 14 | 2,168.63 | 1.48 | 501 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,048,471.14 | 15.72 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| F17013-F17027 | 12 | 343 | 0.007 | 16.4 | 127,453.81 | 1.54 | 514.23 | 512 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,194,167.96 | 4.24 |
| F07015-F07001 | 8 | 81 | 0.012 | 14 | 36,812.78 | 1.54 | 452 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,025,522.75 | 5.29 |
| F06127-F06125 | 8 | 41 | 0.012 | 13.8 | 28,350.79 | 1.57 | 487 | 486.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,019,250.38 | 5.26 |
| H12067-H12065 | 8 | 240 | 0.013 | 12.2 | 23,240.83 | 1.54 | 375 | 372 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,031,912.36 | 5.32 |
| E03051-E03049 | 8 | 262 | 0.011 | 15.7 | 34,690.76 | 1.56 | 569 | 566 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 987,637.99 | 5.09 |
| J14053-J14051 | 8 | 105 | 0.01 | 22.8 | 34,980.94 | 1.55 | 332 | 331 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 900,726.95 | 4.65 |
| F15139-F15137 | 8 | 181 | 0.21 | 2.6 | 1,242.02 | 1.54 | 497 | 459 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 4,229,025.64 | 21.81 |
| D01001-D02053 | 10 | 315 | 0.003 | 12.8 | 14,640.16 | 0.69 | 604 | 603 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 942,886.10 | 2.92 |
| G03013-G04093 | 8 | 248 | 0.004 | 31.9 | 116,937.83 | 1.51 | 500 | 499 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 586,086.84 | 3.02 |
| G11045-G11009 | 8 | 303 | 0.023 | 92.9 | 10,931.70 | 1.55 | 381 | 374 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,402,863.81 | 7.24 |
| G05107-G05105 | 8 | 254 | 0.012 | 13.2 | 32,958.30 | 1.57 | 498 | 495 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,003,070.77 | 5.17 |
| G15055-G15053 | 8 | 174 | 0.098 | 100 | 1,687.77 | 1.59 | 432 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,884,945.70 | 14.88 |
| J14103-J14101 | 8 | 217 | 0.009 | 13.6 | 35,437.45 | 1.56 | 348 | 346 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 886,080.01 | 4.57 |
| E13069-E13067 | 10 | 583 | 0.005 | 24 | 120,882.69 | 1.56 | 422 | 419 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,200,441.11 | 3.71 |
| J14037-J14021 | 8 | 65 | 0.015 | 18.2 | 19,849.30 | 1.56 | 340 | 339 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,144,803.98 | 5.90 |
| F13029-F12017 | 12 | 303 | 0.008 | 11.6 | 62,329.37 | 1.56 | 399 | 396.7 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,370,866.51 | 4.59 |
| H08001-H09031 | 12 | 393 | 0.01 | 10.7 | 61,131.61 | 1.54 | 422 | 418 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,745,353.15 | 5.31 |
| E03089-E03087 | 8 | 123 | 0.008 | 17.9 | 57,183.34 | 1.56 | 562 | 561 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 832,214.45 | 4.29 |
| E12041-E12039 | 10 | 252 | 0.002 | 65 | 564,293.47 | 1.56 | 419.5 | 419 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 745,416.91 | 2.31 |
| D09037-D09035 | 8 | 178 | 0.003 | 34.7 | 126,436.36 | 1.58 | 446.5 | 446 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 489,173.37 | 2.52 |
| D10111-D10021 | 12 | 323 | 0.002 | 49.6 | 278,397.23 | 1.57 | 435 | 434.43 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,143,143.27 | 2.21 |
| D03003-D03001 | 8 | 269 | 0.026 | 9.8 | 14,650.62 | 1.57 | 624 | 617 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,488,883.40 | 7.68 |
| G15077-G15075 | 8 | 395 | 0.068 | 3 | 2,531.65 | 1.52 | 474 | 447 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,413,076.78 | 12.45 |
| F14067-F14065 | 10 | 167 | 0.012 | 10.5 | 42,465.71 | 1.54 | 435 | 433 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,831,349.65 | 5.67 |
| G13077-G12095 | 10 | 309 | 0.003 | 27.2 | 154,076.63 | 1.57 | 380 | 379 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 951,996.32 | 2.95 |
| J14013-J15009 | 12 | 250 | 0.004 | 18.6 | 129,484.56 | 1.57 | 331 | 330 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,721,053.99 | 3.33 |
| E14075-E14073 | 6 | 226 | 0.027 | 8.6 | 10,548.27 | 1.58 | 455 | 449 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 698,295.51 | 5.40 |
| D05093-D06117 | 8 | 281 | 0.014 | 9.9 | 21,419.63 | 1.56 | 549 | 545 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,101,196.04 | 5.68 |
| F04161-F04145 | 8 | 232 | 0.009 | 21.2 | 49,073.91 | 1.57 | 522 | 520 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 856,956.57 | 4.42 |
| F19030-F19015 | 8 | 157 | 0.018 | 11.6 | 22,583.53 | 1.58 | 555.34 | 552.57 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,225,964.42 | 6.32 |
| F19055-F19053 | 8 | 273 | 0.06 | 4.4 | 4,872.68 | 1.59 | 597.5 | 580.82 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,264,883.91 | 11.68 |
| F18005-F18003 | 8 | 171 | 0.006 | 26.1 | 105,634.68 | 1.57 | 530 | 529 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 705,813.16 | 3.64 |
| G05095-G05093 | 12 | 322 | 0.003 | 26.9 | 240,711.43 | 1.54 | 482 | 481 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,516,479.56 | 2.93 |
| G06005-G06003 | 24 | 263 | 0.001 | 38.6 | 1,609,235.79 | 1.37 | 464.11 | 463.88 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 5,109,721.11 | 2.55 |
| D17021-D17019 | 12 | 187 | 0.011 | 11.5 | 78,286.81 | 1.55 | 510 | 508 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,814,224.20 | 5.44 |
| D10001-E10059 | 12 | 355 | 0.006 | 14.6 | 67,969.18 | 1.58 | 426 | 424 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,042,515.30 | 3.95 |
| J11035-J11031 | 15 | 245 | 0.002 | 29.5 | 421,118.23 | 1.57 | 377 | 376.5 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,228,913.22 | 2.87 |
| F05051-F05043 | 10 | 145 | 0.007 | 37.8 | 77,726.58 | 1.57 | 506 | 505 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,389,730.24 | 4.30 |
| D05019-D05017 | 8 | 259 | 0.027 | 8 | 10,947.40 | 1.59 | 583 | 576 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,517,354.11 | 7.83 |
| K13061-K13059 | 12 | 339 | 0.003 | 22.6 | 165,994.38 | 1.59 | 337 | 336 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,477,966.70 | 2.86 |
| E04105-E04097 | 10 | 265 | 0.008 | 15.8 | 78,987.80 | 1.57 | 550 | 548 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,453,806.38 | 4.50 |
| E07013-E07011 | 12 | 248 | 0.008 | 10.4 | 55,632.30 | 1.58 | 481 | 479 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,443,732.45 | 4.73 |
| D14013-D13047 | 8 | 302 | 0.04 | 6.6 | 8,347.12 | 1.61 | 460 | 448 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,839,818.40 | 9.49 |
| J07131-J07129 | 8 | 42 | 0.056 | 9.6 | 5,496.88 | 1.58 | 418.74 | 416.37 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,192,488.56 | 11.31 |
| J14051-J14049 | 8 | 264 | 0.004 | 32.2 | 127,777.42 | 1.58 | 331 | 330 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 568,049.06 | 2.93 |
| D07117-D07113 | 8 | 322 | 0.006 | 20.7 | 65,333.97 | 1.58 | 477 | 475 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 727,402.63 | 3.75 |
| E16025-E16023 | 8 | 255 | 0.012 | 14.4 | 44,701.87 | 1.59 | 488 | 485 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,001,102.04 | 5.16 |
| D08049-D08047 | 12 | 240 | 0.017 | 8.1 | 40,200.20 | 1.56 | 474 | 470 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,513,086.74 | 6.79 |
| D06127-D06125 | 8 | 210 | 0.019 | 11.7 | 16,367.05 | 1.59 | 532 | 528 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,273,820.27 | 6.57 |
| E07011-E07009 | 12 | 234 | 0.009 | 10.2 | 55,125.93 | 1.59 | 479 | 477 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,515,773.67 | 4.87 |
| F19032-F19030 | 8 | 157 | 0.018 | 9.4 | 21,980.65 | 1.59 | 558.12 | 555.34 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,244,126.35 | 6.42 |
| D10047-D10045 | 8 | 287 | 0.017 | 9.1 | 15,071.89 | 1.59 | 466 | 461 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,218,237.21 | 6.28 |
| D14003-D14001 | 8 | 41 | 0.024 | 9.1 | 14,255.77 | 1.6 | 458 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,441,437.71 | 7.43 |
| D09029-D09027 | 8 | 195 | 0.01 | 12.5 | 26,495.12 | 1.59 | 448 | 446 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 934,728.53 | 4.82 |
| G12023-G12021 | 8 | 179 | 0.005 | 43.7 | 81,831.13 | 1.58 | 381.36 | 380.4 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 675,922.51 | 3.49 |
| D07145-D07143 | 12 | 308 | 0.006 | 12 | 66,800.08 | 1.6 | 503 | 501 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,192,825.83 | 4.24 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| D01003-D01001 | 10 | 310 | 0.003 | 8.7 | 14,661.99 | 0.71 | 605 | 604 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 950,459.60 | 2.94 |
| F06109-F07099 | 10 | 387 | 0.007 | 19.7 | 74,901.24 | 1.59 | 479.9 | 477 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,448,631.84 | 4.48 |
| D08043-D08041 | 12 | 251 | 0.016 | 8.7 | 43,505.45 | 1.58 | 463 | 459 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,435,244.34 | 6.64 |
| F18051-F18049 | 8 | 209 | 0.098 | 2.6 | 2,789.84 | 1.62 | 594.18 | 573.4 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,889,632.73 | 14.90 |
| F15107-F15105 | 8 | 270 | 0.022 | 9.8 | 17,877.88 | 1.6 | 475 | 469 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,375,883.14 | 7.10 |
| F10015-F10013 | 24 | 254 | 0.002 | 27.2 | 954,498.38 | 1.57 | 414.5 | 414 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 7,666,185.03 | 3.83 |
| D11035-D11033 | 8 | 87 | 0.043 | 3.9 | 5,484.16 | 1.59 | 489.43 | 485.72 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,905,965.94 | 9.83 |
| D08059-D08057 | 8 | 222 | 0.018 | 11.4 | 29,626.84 | 1.58 | 490 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,238,914.44 | 6.39 |
| C06023-C06021 | 8 | 262 | 0.046 | 5.7 | 5,614.81 | 1.58 | 566 | 554 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,975,275.99 | 10.19 |
| C06051-D06071 | 8 | 248 | 0.016 | 9.6 | 20,901.53 | 1.6 | 583 | 579 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,172,173.67 | 6.05 |
| L14047-L14045 | 10 | 94 | 0.005 | 65.1 | 853,574.62 | 0.96 | 311 | 310.5 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,220,493.82 | 3.78 |
| G03033-G03031 | 8 | 250 | 0.008 | 18 | 44,703.28 | 1.47 | 507 | 505 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 825,529.89 | 4.26 |
| D17019-D17017 | 15 | 319 | 0.013 | 8.3 | 78,241.67 | 1.58 | 508 | 504 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,524,918.21 | 7.12 |
| H13051-H12035 | 12 | 263 | 0.015 | 7.4 | 22,848.79 | 1.6 | 366 | 362 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,355,958.79 | 6.49 |
| D14087-D14085 | 8 | 68 | 0.015 | 11.7 | 26,004.20 | 1.58 | 452 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,119,266.10 | 5.77 |
| J14113-J14111 | 8 | 91 | 0.022 | 9.6 | 13,502.51 | 1.61 | 355 | 353 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,368,302.46 | 7.06 |
| D11031-D11029 | 8 | 83 | 0.045 | 5.3 | 5,446.95 | 1.6 | 478.45 | 474.72 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,956,605.08 | 10.09 |
| D11033-D11031 | 8 | 166 | 0.044 | 3.9 | 5,471.23 | 1.6 | 485.72 | 478.45 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,931,527.82 | 9.96 |
| D16003-D16001 | 15 | 274 | 0.007 | 13.9 | 134,420.85 | 1.59 | 482 | 480 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,215,323.56 | 5.44 |
| D04103-D04101 | 8 | 239 | 0.017 | 10.8 | 26,083.83 | 1.6 | 606 | 602 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,194,039.94 | 6.16 |
| F15059-F14093 | 8 | 213 | 0.019 | 10.2 | 23,387.00 | 1.61 | 453 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,264,817.89 | 6.52 |
| H12005-H12003 | 21 | 323 | 0.003 | 25.8 | 705,471.77 | 1.6 | 362 | 361.15 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 6,208,320.98 | 4.00 |
| D14071-D14069 | 8 | 309 | 0.071 | 3.7 | 3,928.26 | 1.55 | 488 | 466 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,462,747.62 | 12.70 |
| E13067-E13065 | 10 | 241 | 0.004 | 26.5 | 165,866.07 | 1.6 | 419 | 418 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,077,968.29 | 3.34 |
| D07137-D07135 | 8 | 338 | 0.015 | 10.2 | 22,239.28 | 1.59 | 495 | 490 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,122,572.66 | 5.79 |
| F08083-G08081 | 12 | 358 | 0.002 | 45.2 | 507,824.74 | 1.6 | 446 | 445.29 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,211,859.19 | 2.34 |
| F02098-F02097 | 8 | 262 | 0.004 | 23.4 | 68,415.24 | 1.25 | 533 | 532 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 570,213.06 | 2.94 |
| E07009-E07007 | 12 | 109 | 0.009 | 10 | 54,680.89 | 1.62 | 477 | 476 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,606,461.11 | 5.04 |
| D09093-D09065 | 8 | 152 | 0.007 | 26 | 48,196.51 | 1.62 | 438 | 437 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 748,627.91 | 3.86 |
| E04085-E04083 | 8 | 140 | 0.007 | 20.3 | 70,433.85 | 1.61 | 559 | 558 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 780,052.42 | 4.02 |
| F18049-F18043 | 8 | 209 | 0.088 | 3.1 | 3,717.13 | 1.67 | 573.4 | 555 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,738,568.29 | 14.12 |
| F06145-F06141 | 10 | 266 | 0.011 | 10.9 | 44,081.40 | 1.63 | 488 | 485 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,777,191.87 | 5.50 |
| F04163-F04161 | 8 | 217 | 0.009 | 16.1 | 48,293.81 | 1.61 | 524 | 522 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 886,080.01 | 4.57 |
| F14083-F14081 | 8 | 279 | 0.014 | 22.4 | 34,955.56 | 1.59 | 434 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,105,135.94 | 5.70 |
| F05081-F05079 | 8 | 260 | 0.027 | 10.5 | 12,763.20 | 1.62 | 516 | 509 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,514,433.31 | 7.81 |
| D14043-D14041 | 10 | 146 | 0.007 | 17.9 | 84,421.10 | 1.62 | 444 | 443 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,384,962.71 | 4.29 |
| K15001-K14051 | 15 | 195 | 0.003 | 24.7 | 331,538.37 | 1.61 | 325 | 324.5 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,498,382.31 | 3.22 |
| K14051-K14035 | 15 | 195 | 0.003 | 25.8 | 335,978.47 | 1.61 | 324.5 | 324 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,498,382.31 | 3.22 |
| F04165-F04163 | 8 | 215 | 0.009 | 15.8 | 47,510.91 | 1.62 | 526 | 524 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 890,191.77 | 4.59 |
| G14047-G14045 | 8 | 297 | 0.013 | 14 | 19,908.07 | 1.61 | 405 | 401 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,071,123.58 | 5.52 |
| H10047-H10045 | 15 | 341 | 0.003 | 23.2 | 293,179.21 | 1.61 | 383 | 382 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,671,861.92 | 3.44 |
| G08065-G08061 | 12 | 243 | 0.002 | 46.1 | 537,378.46 | 1.61 | 441.5 | 441 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,234,372.86 | 2.39 |
| F08031-F08029 | 8 | 78 | 0.01 | 14.5 | 31,817.31 | 1.62 | 439 | 438.2 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 934,728.53 | 4.82 |
| H08003-H08001 | 12 | 402 | 0.012 | 10 | 58,040.64 | 1.59 | 426.73 | 422 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,951,766.79 | 5.71 |
| F13045-F13043 | 12 | 258 | 0.012 | 9.1 | 43,636.06 | 1.6 | 409 | 406 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,934,372.69 | 5.68 |
| F18053-F18051 | 8 | 179 | 0.12 | 2.2 | 2,171.63 | 1.55 | 615.77 | 594.18 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,196,523.31 | 16.49 |
| E07021-E07019 | 12 | 381 | 0.008 | 10.7 | 57,606.85 | 1.62 | 490 | 487 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,414,696.97 | 4.67 |
| F14057-F14055 | 15 | 304 | 0.006 | 15.4 | 194,289.13 | 1.6 | 429 | 427.2 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,796,563.43 | 4.90 |
| E05103-E05101 | 8 | 261 | 0.004 | 34.4 | 145,182.55 | 1.63 | 536 | 535 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 571,304.38 | 2.95 |
| E03249-E03247 | 10 | 284 | 0.003 | 1.8 | 438.14 | 0.11 | 562.12 | 561.18 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 962,762.72 | 2.98 |
| F10017-F10015 | 24 | 48 | 0.002 | 23.7 | 953,049.36 | 1.6 | 414.6 | 414.5 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 7,886,613.07 | 3.94 |
| D02053-D02051 | 10 | 323 | 0.003 | 16.9 | 58,146.90 | 1.06 | 603 | 602 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 931,136.28 | 2.88 |
| D17049-D17047 | 8 | 240 | 0.041 | 4.8 | 8,226.41 | 1.66 | 550.67 | 540.87 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,865,070.38 | 9.62 |
| D04085-D04083 | 8 | 159 | 0.025 | 7.3 | 14,404.77 | 1.63 | 594 | 590 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,463,926.39 | 7.55 |
| C06015-C06003 | 8 | 294 | 0.007 | 20.7 | 61,086.18 | 1.63 | 539 | 537 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 761,253.22 | 3.93 |
| E05001-E06017 | 8 | 333 | 0.006 | 21.5 | 72,186.49 | 1.63 | 524 | 522 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 715,287.59 | 3.69 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| F02097-F03145 | 8 | 262 | 0.004 | 23 | 68,107.58 | 1.26 | 532 | 531 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 589,664.20 | 3.04 |
| D05017-D05007 | 8 | 331 | 0.015 | 10.7 | 22,960.45 | 1.62 | 576 | 571 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,134,380.66 | 5.85 |
| J12007-J12005 | 33 | 383 | 0.002 | 17.2 | 1,204,371.58 | 1.24 | 357.81 | 357 | Vitrified Clay Pipe-Circular-33 inch | 5.9 | 18,576,396.44 | 4.87 |
| D10045-D10043 | 8 | 231 | 0.013 | 10.8 | 23,206.88 | 1.64 | 461 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,051,822.47 | 5.42 |
| E16039-E16021 | 8 | 39 | 0.026 | 11.6 | 15,194.66 | 1.63 | 481 | 480 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,477,935.58 | 7.62 |
| E16001-E15017 | 15 | 326 | 0.006 | 14.5 | 174,382.67 | 1.62 | 474 | 472 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,864,536.35 | 4.98 |
| D06043-D06029 | 8 | 331 | 0.018 | 13.7 | 20,609.95 | 1.64 | 550 | 544 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,242,651.75 | 6.41 |
| E15003-E15001 | 15 | 236 | 0.004 | 19.2 | 257,706.49 | 1.63 | 456 | 455 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,211,701.67 | 4.14 |
| E07017-E07015 | 12 | 232 | 0.009 | 10.3 | 56,188.14 | 1.64 | 484 | 482 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,526,594.25 | 4.89 |
| J14029-J14027 | 8 | 220 | 0.005 | 26.7 | 96,922.26 | 1.64 | 346 | 345 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 622,266.57 | 3.21 |
| H10045-J10011 | 15 | 377 | 0.003 | 43.2 | 324,064.16 | 1.63 | 382 | 381 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,541,092.79 | 3.28 |
| F19009-F19007 | 12 | 300 | 0.015 | 7.7 | 37,545.95 | 1.64 | 563.29 | 558.85 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,305,009.68 | 6.39 |
| K12025-K12023 | 15 | 355 | 0.001 | 41.8 | 621,375.26 | 1.64 | 338 | 337.5 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 1,851,663.33 | 2.39 |
| D17031-D17027 | 8 | 186 | 0.038 | 5.7 | 10,334.32 | 1.66 | 527 | 520 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,790,524.86 | 9.23 |
| L13149-L13147 | 12 | 363 | 0.002 | 100 | 2,319,960.54 | 1.53 | 323.8 | 323 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,277,486.09 | 2.47 |
| F20030-F20028 | 8 | 248.7 | 0.043 | 4.7 | 7,970.94 | 1.68 | 689.37 | 675.45 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,913,087.88 | 9.87 |
| G13089-G13087 | 10 | 174 | 0.004 | 24.1 | 134,604.08 | 1.64 | 385 | 384.3 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,061,424.00 | 3.28 |
| C06053-C06051 | 8 | 264 | 0.019 | 8.9 | 18,858.74 | 1.65 | 588 | 583 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,270,196.31 | 6.55 |
| G14043-G13099 | 8 | 291 | 0.007 | 20.6 | 71,112.45 | 1.64 | 398 | 396 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 765,167.14 | 3.95 |
| E02037-E02001 | 8 | 241 | 0.019 | 1 | 0 | 0 | 567.49 | 562.83 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,283,430.17 | 6.62 |
| C06093-C06073 | 8 | 291 | 0.048 | 4.7 | 6,097.20 | 1.65 | 567 | 553 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,024,441.96 | 10.44 |
| C05029-C05027 | 8 | 338 | 0.059 | 3.2 | 3,971.36 | 1.66 | 691 | 671 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,245,145.31 | 11.58 |
| F17025-F17023 | 12 | 245 | 0.008 | 15 | 105,464.27 | 1.63 | 527 | 525 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,458,648.55 | 4.76 |
| K11029-K11027 | 15 | 329 | 0.002 | 34.1 | 479,032.75 | 1.65 | 348 | 347.5 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 1,923,438.27 | 2.48 |
| G15075-G15073 | 8 | 325 | 0.052 | 4.1 | 4,566.26 | 1.68 | 447 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,110,914.23 | 10.89 |
| D17047-D17045 | 8 | 157 | 0.044 | 4.9 | 8,212.52 | 1.63 | 540.87 | 534 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,930,706.90 | 9.96 |
| G07049-G07047 | 24 | 379 | 0.001 | 36.6 | 1,602,264.43 | 1.43 | 463.08 | 462.68 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 5,613,342.53 | 2.80 |
| D06135-E06023 | 8 | 278 | 0.011 | 14.8 | 36,345.85 | 1.66 | 516 | 513 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 958,795.61 | 4.94 |
| F14073-F14071 | 10 | 242 | 0.017 | 9.4 | 35,163.21 | 1.65 | 440 | 436 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,151,477.56 | 6.66 |
| K11027-K11025 | 15 | 324 | 0.002 | 34.1 | 485,297.13 | 1.66 | 347.5 | 347 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 1,938,222.79 | 2.50 |
| D15075-D15073 | 8 | 192 | 0.063 | 3.5 | 5,273.57 | 1.67 | 562 | 550 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,307,426.18 | 11.90 |
| K13055-K13053 | 12 | 341 | 0.003 | 25 | 201,649.17 | 1.66 | 332 | 331 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,473,626.11 | 2.85 |
| E03119-E03103 | 8 | 215 | 0.019 | 11.7 | 24,207.41 | 1.65 | 572 | 568 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,258,921.27 | 6.49 |
| D05111-D05103 | 8 | 243 | 0.016 | 10.6 | 21,963.30 | 1.66 | 544 | 540 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,184,171.67 | 6.11 |
| E15071-E15059 | 8 | 259 | 0.012 | 15.6 | 49,011.28 | 1.65 | 463 | 460 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 993,341.44 | 5.12 |
| F10097-F10067 | 8 | 286 | 0.01 | 38.9 | 30,126.94 | 1.66 | 404 | 401 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 945,290.77 | 4.88 |
| D11003-D11001 | 8 | 293 | 0.003 | 31.9 | 118,638.36 | 1.66 | 443 | 442 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 539,205.11 | 2.78 |
| K15017-K14103 | 10 | 254 | 0.003 | 33.2 | 188,115.27 | 1.66 | 311.92 | 311.16 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 915,386.38 | 2.83 |
| D14055-D14053 | 8 | 160 | 0.075 | 3.6 | 4,335.26 | 1.6 | 491 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,527,658.74 | 13.04 |
| C11015-C11013 | 8 | 193 | 0.047 | 4.7 | 5,515.39 | 1.65 | 522 | 513 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,993,106.05 | 10.28 |
| G08007-G09053 | 8 | 281 | 0.007 | 19.3 | 63,056.60 | 1.66 | 432 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 778,663.19 | 4.02 |
| D10085-D10083 | 8 | 103 | 0.039 | 6.8 | 6,894.24 | 1.68 | 483 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,818,859.66 | 9.38 |
| J10011-J10009 | 15 | 370 | 0.003 | 100 | 336,122.17 | 1.65 | 381 | 380 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,565,017.53 | 3.31 |
| F19057-F19055 | 8 | 300 | 0.075 | 3.3 | 4,260.32 | 1.61 | 620.29 | 597.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,535,458.45 | 13.08 |
| C06011-C06009 | 8 | 304 | 0.033 | 6.4 | 10,031.21 | 1.65 | 571 | 561 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,673,982.89 | 8.63 |
| D13045-D13043 | 8 | 171 | 0.023 | 17.3 | 19,421.69 | 1.67 | 445 | 441 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,411,626.32 | 7.28 |
| K11031-K11029 | 15 | 328 | 0.002 | 34.2 | 484,230.22 | 1.67 | 348.5 | 348 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 1,926,368.11 | 2.48 |
| E15053-E15051 | 8 | 319 | 0.009 | 19.1 | 70,223.16 | 1.65 | 468 | 465 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 895,061.95 | 4.62 |
| F12069-F12067 | 24 | 271 | 0.001 | 35.9 | 1,736,648.37 | 1.65 | 395.36 | 395 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 6,297,638.94 | 3.14 |
| J15001-K15007 | 12 | 177 | 0.003 | 32.3 | 269,931.11 | 1.66 | 326.5 | 326 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,446,314.92 | 2.80 |
| G14025-G14023 | 12 | 301 | 0.017 | 8.1 | 31,343.85 | 1.66 | 421 | 416 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,507,246.19 | 6.78 |
| C11009-C11007 | 8 | 121 | 0.008 | 15 | 40,658.99 | 1.68 | 557 | 556 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 839,064.07 | 4.33 |
| E03085-E03083 | 8 | 406 | 0.01 | 17.5 | 58,921.48 | 1.66 | 559 | 555 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 916,125.11 | 4.72 |
| F04196-F04195 | 8 | 202 | 0.105 | 3.5 | 2,490.48 | 1.69 | 550.07 | 528.84 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,984,796.90 | 15.39 |
| G08011-G08007 | 8 | 251 | 0.008 | 18.4 | 54,764.41 | 1.66 | 434 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 823,883.76 | 4.25 |
| D07135-D07133 | 8 | 340 | 0.015 | 11.9 | 26,414.75 | 1.66 | 490 | 485 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,119,266.10 | 5.77 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| H06069-J06097 | 8 | 298 | 0.015 | 10.9 | 24,459.31 | 1.67 | 437.17 | 432.81 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,116,407.95 | 5.76 |
| D14015-D14013 | 8 | 175 | 0.057 | 4.5 | 6,801.50 | 1.7 | 470 | 460 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,206,321.43 | 11.38 |
| F19007-F19005 | 12 | 300 | 0.014 | 8.5 | 42,144.36 | 1.68 | 558.85 | 554.5 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,271,341.47 | 6.33 |
| D06141-D07145 | 8 | 45 | 0.007 | 19.8 | 64,588.78 | 1.68 | 503.3 | 503 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 753,602.23 | 3.89 |
| D04099-D04097 | 8 | 80 | 0.013 | 14.4 | 40,249.24 | 1.68 | 595 | 594 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,031,912.36 | 5.32 |
| E15029-E14011 | 10 | 205 | 0.005 | 26.6 | 181,029.86 | 1.67 | 449 | 448 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,168,792.94 | 3.62 |
| F12007-F12005 | 12 | 299 | 0.01 | 12 | 67,915.39 | 1.67 | 390 | 387 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,725,772.03 | 5.27 |
| H10023-H10021 | 8 | 249 | 0.005 | 29.5 | 107,208.75 | 1.68 | 396 | 394.86 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 624,511.67 | 3.22 |
| D06077-D06075 | 8 | 232 | 0.03 | 7.7 | 12,153.49 | 1.69 | 543 | 536 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,603,218.94 | 8.27 |
| D06071-D06069 | 8 | 247 | 0.016 | 10.2 | 24,062.87 | 1.66 | 579 | 575 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,174,544.10 | 6.06 |
| E06083-E06053 | 10 | 325 | 0.009 | 15.3 | 55,670.69 | 1.68 | 508 | 505 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,607,805.30 | 4.98 |
| C05005-C05003 | 8 | 235 | 0.048 | 4.2 | 6,737.77 | 1.68 | 619.28 | 607.92 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,029,284.98 | 10.47 |
| K15023-K15021 | 8 | 334 | 0.009 | 24 | 45,508.81 | 1.68 | 317 | 314 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 874,732.38 | 4.51 |
| K13067-K13065 | 12 | 280 | 0.004 | 21.1 | 157,916.99 | 1.69 | 340 | 339 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,626,243.16 | 3.15 |
| G12071-G12069 | 15 | 178 | 0.011 | 9.7 | 74,459.87 | 1.67 | 385 | 383 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,229,933.85 | 6.74 |
| D10107-D10105 | 8 | 339 | 0.012 | 12.8 | 28,735.44 | 1.69 | 442 | 438 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,002,577.50 | 5.17 |
| E07089-E07087 | 8 | 96 | 0.01 | 16.2 | 40,491.26 | 1.7 | 472 | 471 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 942,002.79 | 4.86 |
| G03049-G03047 | 8 | 95 | 0.021 | 9.9 | 16,871.96 | 1.7 | 515 | 513 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,339,186.31 | 6.91 |
| D13077-D13075 | 8 | 147 | 0.02 | 12 | 24,132.14 | 1.69 | 435 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,318,529.25 | 6.80 |
| G09025-G09023 | 8 | 251 | 0.004 | 38.4 | 173,223.13 | 1.69 | 418.9 | 418 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 552,678.03 | 2.85 |
| G12047-G12025 | 8 | 151 | 0.007 | 23.1 | 77,732.36 | 1.68 | 383 | 382 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 751,102.72 | 3.87 |
| D13037-D13035 | 10 | 335 | 0.006 | 21.2 | 126,364.08 | 1.69 | 436 | 434 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,293,025.54 | 4.00 |
| K12049-K12027 | 8 | 342 | 0.016 | 41.4 | 25,531.76 | 1.67 | 344 | 338.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,170,458.71 | 6.04 |
| D06065-D06063 | 8 | 250 | 0.012 | 13.3 | 36,828.59 | 1.7 | 567 | 564 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,011,063.49 | 5.21 |
| J08001-J09017 | 15 | 354 | 0.006 | 17.6 | 250,305.94 | 1.68 | 396 | 394 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,708,553.65 | 4.78 |
| D09049-D09047 | 8 | 174 | 0.021 | 7.8 | 15,165.29 | 1.71 | 455.4 | 451.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,327,591.41 | 6.85 |
| J12003-J12001 | 33 | 417 | 0.002 | 16.8 | 1,219,547.83 | 1.31 | 356 | 355 | Vitrified Clay Pipe-Circular-33 inch | 5.9 | 19,781,094.64 | 5.19 |
| D07121-D07119 | 8 | 116 | 0.009 | 19.5 | 55,205.28 | 1.7 | 479 | 478 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 856,956.57 | 4.42 |
| D14115-D14113 | 8 | 238 | 0.019 | 10.5 | 29,123.49 | 1.7 | 462 | 457.48 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,271,945.63 | 6.56 |
| H12007-H12005 | 18 | 868 | 0.003 | 21 | 342,182.22 | 1.68 | 365 | 362 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 4,716,740.18 | 4.05 |
| D04111-D04075 | 15 | 355 | 0.003 | 22 | 277,438.93 | 1.43 | 576 | 575 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,618,647.39 | 3.38 |
| F05053-F05051 | 10 | 364 | 0.008 | 15.7 | 78,104.83 | 1.7 | 509 | 506 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,519,233.21 | 4.70 |
| H11061-H11049 | 8 | 300 | 0.027 | 84.4 | 12,518.01 | 1.71 | 380 | 371.83 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,523,134.33 | 7.86 |
| F06141-F06109 | 10 | 387 | 0.013 | 13 | 45,259.40 | 1.72 | 485 | 479.9 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,921,074.09 | 5.94 |
| L14023-L14021 | 8 | 63 | 0.037 | 46.4 | 9,952.52 | 1.69 | 311 | 308.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,763,524.31 | 9.10 |
| E04083-E04077 | 8 | 118 | 0.008 | 21.6 | 72,299.38 | 1.71 | 558 | 557 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 849,663.19 | 4.38 |
| K14101-L14043 | 10 | 141 | 0.004 | 44.1 | 184,903.01 | 1.71 | 310.5 | 310 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 996,529.03 | 3.08 |
| F19041-F19039 | 8 | 178 | 0.024 | 8.5 | 19,234.20 | 1.71 | 565.41 | 561.05 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,444,511.66 | 7.45 |
| D03103-D03101 | 8 | 351 | 0.011 | 18.2 | 65,718.25 | 1.71 | 599 | 595 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 985,290.38 | 5.08 |
| G13083-G13079 | 10 | 244 | 0.004 | 25.2 | 148,727.43 | 1.71 | 383 | 382 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,071,320.94 | 3.32 |
| J11031-J11029 | 15 | 194 | 0.003 | 28.1 | 431,187.16 | 1.7 | 376.5 | 376 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,504,813.16 | 3.23 |
| F08011-F09091 | 8 | 288 | 0.009 | 17.1 | 48,751.43 | 1.71 | 433.7 | 431 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 893,662.32 | 4.61 |
| D12031-D12027 | 10 | 183 | 0.005 | 20.6 | 114,792.67 | 1.72 | 435 | 434 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,237,054.87 | 3.83 |
| H10057-H10049 | 8 | 269 | 0.009 | 29.6 | 41,177.36 | 1.72 | 386 | 383.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 889,778.02 | 4.59 |
| L14063-L15001 | 8 | 1,500.00 | 0.005 | 24.2 | 86,740.08 | 1.73 | 311 | 303 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 674,042.33 | 3.48 |
| E08059-E08057 | 8 | 235 | 0.004 | 33.6 | 146,475.59 | 1.72 | 465 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 602,079.55 | 3.11 |
| H09027-H09025 | 12 | 378 | 0.011 | 11.8 | 77,135.12 | 1.72 | 412 | 408 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,799,294.52 | 5.41 |
| D03013-D03011 | 8 | 303 | 0.02 | 11 | 28,253.34 | 1.71 | 596 | 590 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,298,799.52 | 6.70 |
| F05065-F05061 | 8 | 313 | 0.013 | 16.2 | 40,529.78 | 1.72 | 519 | 515 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,043,387.51 | 5.38 |
| D17051-D17049 | 8 | 72 | 0.048 | 4.8 | 8,230.74 | 1.7 | 554.3 | 550.67 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,017,132.02 | 10.40 |
| D11017-D11013 | 6 | 246 | 0.012 | 17.8 | 24,976.90 | 1.73 | 451 | 448 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 473,272.11 | 3.66 |
| F10065-F10051 | 12 | 424 | 0.002 | 48 | 480,593.84 | 1.73 | 400.75 | 400 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,144,490.52 | 2.21 |
| D13067-D13065 | 10 | 22 | 0.023 | 8.9 | 28,616.51 | 1.72 | 430 | 429.5 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,522,831.07 | 7.81 |
| D13035-E13033 | 10 | 318 | 0.006 | 21.3 | 130,788.75 | 1.73 | 434 | 432 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,327,137.58 | 4.11 |
| E13033-E13029 | 10 | 318 | 0.006 | 30.8 | 133,363.65 | 1.72 | 432 | 430 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,327,137.58 | 4.11 |
| H12037-H12035 | 8 | 207 | 0.011 | 14.6 | 43,846.66 | 1.72 | 364.24 | 362 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 960,122.49 | 4.95 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| E12103-E12101 | 10 | 355 | 0.006 | 26.1 | 176,486.50 | 1.72 | 409 | 407 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,256,074.30 | 3.89 |
| G13047-G13045 | 8 | 142 | 0.007 | 19.1 | 62,003.98 | 1.72 | 397 | 396 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 774,539.61 | 3.99 |
| G12085-G12003 | 12 | 297 | 0.005 | 23.2 | 161,574.49 | 1.72 | 373.5 | 372 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,933,890.60 | 3.74 |
| J09013-J09011 | 15 | 308 | 0.006 | 17.1 | 248,653.11 | 1.7 | 390 | 388 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,975,857.76 | 5.13 |
| J14049-J15007 | 8 | 198 | 0.005 | 29.9 | 127,402.37 | 1.72 | 330 | 329 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,926.55 | 3.38 |
| D06063-D06061 | 8 | 249 | 0.012 | 14.1 | 39,873.33 | 1.74 | 564 | 561 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,013,091.71 | 5.22 |
| D05033-D05031 | 8 | 332 | 0.021 | 9.3 | 19,915.17 | 1.74 | 574 | 567 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,340,194.36 | 6.91 |
| D09063-D09033 | 8 | 256 | 0.008 | 27.8 | 48,914.49 | 1.74 | 446 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 815,798.35 | 4.21 |
| K12027-K12025 | 15 | 314 | 0.002 | 39.3 | 623,385.96 | 1.73 | 338.5 | 338 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 1,968,844.32 | 2.54 |
| E02005-E02003 | 10 | 228 | 0.005 | 1.6 | 443.62 | 0.11 | 564.55 | 563.44 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,167,638.95 | 3.61 |
| E10067-E10065 | 8 | 154 | 0.006 | 21.4 | 65,975.18 | 1.74 | 427 | 426 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 743,750.80 | 3.84 |
| G13031-G13029 | 8 | 268 | 0.007 | 19.3 | 64,226.36 | 1.73 | 391 | 389 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 797,325.05 | 4.11 |
| F19059-F19057 | 8 | 250 | 0.124 | 2.6 | 2,775.95 | 1.78 | 651.22 | 620.29 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,246,442.86 | 16.74 |
| G12091-G12089 | 12 | 212 | 0.005 | 20.7 | 161,315.06 | 1.73 | 377 | 376 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,868,945.20 | 3.61 |
| K12023-K12021 | 15 | 352 | 0.001 | 43.7 | 733,310.00 | 1.74 | 337.5 | 337 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 1,859,537.20 | 2.40 |
| G12087-G12085 | 12 | 301 | 0.005 | 19.6 | 161,783.68 | 1.73 | 375 | 373.5 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,920,997.85 | 3.72 |
| E04091-E04089 | 8 | 261 | 0.011 | 16.3 | 52,109.20 | 1.74 | 565 | 562 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 989,528.21 | 5.10 |
| F14065-F14063 | 10 | 245 | 0.016 | 10.8 | 42,747.07 | 1.72 | 433 | 429 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,138,264.68 | 6.62 |
| F20028-F20026 | 8 | 302.6 | 0.054 | 4.4 | 7,952.17 | 1.75 | 675.45 | 658.53 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,135,720.64 | 11.01 |
| D06115-D06113 | 8 | 282 | 0.014 | 12 | 31,948.92 | 1.75 | 540 | 536 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,099,241.84 | 5.67 |
| F12015-F12013 | 12 | 219 | 0.01 | 11.9 | 67,853.84 | 1.74 | 395.24 | 393 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,752,114.19 | 5.32 |
| D06069-D06067 | 8 | 241 | 0.017 | 10.8 | 27,208.63 | 1.73 | 575 | 571 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,189,075.09 | 6.13 |
| G12093-G12091 | 12 | 214 | 0.005 | 19.9 | 161,410.53 | 1.74 | 378 | 377 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,860,191.31 | 3.60 |
| C11017-C10019 | 8 | 243 | 0.025 | 15 | 13,745.92 | 1.76 | 501 | 495 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,450,308.18 | 7.48 |
| D06139-D06137 | 8 | 270 | 0.015 | 11.8 | 29,672.02 | 1.77 | 524 | 520 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,123,403.88 | 5.79 |
| J09015-J09013 | 15 | 306 | 0.007 | 16.9 | 249,173.60 | 1.73 | 392 | 390 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,988,829.60 | 5.14 |
| D16013-D16011 | 15 | 194 | 0.01 | 12.1 | 114,009.99 | 1.73 | 491 | 489 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,009,626.32 | 6.46 |
| D14083-D14043 | 12 | 77 | 0.013 | 11.6 | 56,251.05 | 1.73 | 445 | 444 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,101,124.02 | 6.00 |
| E13065-E13063 | 10 | 369 | 0.005 | 24.9 | 167,096.59 | 1.75 | 418 | 416 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,232,015.93 | 3.81 |
| E13061-E13059 | 10 | 349 | 0.006 | 24.7 | 168,868.96 | 1.75 | 414 | 412 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,266,825.49 | 3.92 |
| D04001-D05055 | 8 | 343 | 0.026 | 13.4 | 20,815.36 | 1.76 | 593 | 584 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,495,071.63 | 7.71 |
| J10005-J10003 | 15 | 313 | 0.006 | 18.4 | 269,400.89 | 1.72 | 378 | 376 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,943,973.87 | 5.09 |
| D09067-D09065 | 10 | 339 | 0.003 | 31.9 | 199,961.94 | 1.76 | 438 | 437 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 908,896.98 | 2.81 |
| D07113-D08037 | 8 | 137 | 0.007 | 23.9 | 77,656.55 | 1.76 | 475 | 474 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 788,546.89 | 4.07 |
| G08013-G08011 | 8 | 264 | 0.011 | 15.9 | 43,138.73 | 1.76 | 437 | 434 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 983,889.83 | 5.07 |
| E13063-E13061 | 10 | 355 | 0.006 | 24.7 | 168,127.40 | 1.75 | 416 | 414 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,256,074.30 | 3.89 |
| D12033-D12031 | 10 | 164 | 0.006 | 20 | 108,323.55 | 1.77 | 436 | 435 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,306,750.23 | 4.04 |
| G12007-G12005 | 15 | 449 | 0.006 | 14.8 | 172,898.36 | 1.74 | 379.48 | 377 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,666,856.12 | 4.73 |
| C05027-C06099 | 8 | 347 | 0.072 | 3.1 | 4,138.06 | 1.78 | 671 | 646 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,477,382.55 | 12.78 |
| C06009-C06007 | 8 | 330 | 0.027 | 7.3 | 15,519.31 | 1.77 | 561 | 552 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,524,235.57 | 7.86 |
| G13105-G13095 | 8 | 76 | 0.013 | 18 | 32,189.56 | 1.76 | 390 | 389 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,058,719.74 | 5.46 |
| C05003-C05001 | 8 | 193 | 0.054 | 4.5 | 6,671.22 | 1.74 | 607.92 | 597.45 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,149,722.95 | 11.09 |
| J09017-J09015 | 15 | 307 | 0.007 | 17 | 249,689.58 | 1.74 | 394 | 392 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,982,327.84 | 5.13 |
| D06015-D06013 | 8 | 65 | 0.031 | 15.9 | 14,147.36 | 1.78 | 536 | 534 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,618,997.31 | 8.35 |
| E12013-E12011 | 8 | 41 | 0.024 | 33.9 | 24,004.02 | 1.77 | 414 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,441,437.71 | 7.43 |
| E06025-E07045 | 10 | 262 | 0.004 | 31 | 195,157.98 | 1.77 | 489 | 488 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,033,865.07 | 3.20 |
| D05031-D05001 | 8 | 346 | 0.017 | 14.6 | 26,121.11 | 1.75 | 567 | 561 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,215,417.21 | 6.27 |
| D05119-D05117 | 15 | 332 | 0.003 | 24.8 | 365,450.37 | 1.55 | 556 | 555 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,707,834.75 | 3.49 |
| G13029-G12035 | 8 | 256 | 0.008 | 22 | 66,426.80 | 1.76 | 389 | 387 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 815,798.35 | 4.21 |
| D07143-E07029 | 12 | 408 | 0.009 | 13.3 | 67,021.47 | 1.77 | 501 | 497.3 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,591,404.92 | 5.01 |
| J09009-J09007 | 15 | 308 | 0.006 | 17.3 | 259,666.51 | 1.74 | 386 | 384 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,975,857.76 | 5.13 |
| D05021-D05019 | 8 | 40 | 0.05 | 5.3 | 7,728.88 | 1.81 | 585 | 583 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,063,824.72 | 10.64 |
| G08079-G08073 | 12 | 294 | 0.003 | 41.8 | 511,796.44 | 1.76 | 444.78 | 444 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,401,645.33 | 2.71 |
| F13041-F13039 | 12 | 87 | 0.016 | 9 | 43,558.11 | 1.76 | 405.48 | 404.08 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,451,984.92 | 6.68 |
| D06113-D06111 | 8 | 288 | 0.014 | 12.3 | 35,403.65 | 1.78 | 536 | 532 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,087,731.13 | 5.61 |
| D05069-D05067 | 8 | 341 | 0.018 | 11 | 31,175.59 | 1.76 | 606 | 600 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,224,295.47 | 6.31 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| D06117-D06115 | 8 | 285 | 0.018 | 10.9 | 25,864.14 | 1.76 | 545 | 540 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,222,504.25 | 6.30 |
| J10001-K10007 | 15 | 311 | 0.006 | 19 | 311,360.44 | 1.74 | 374 | 372 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,956,635.13 | 5.10 |
| D04003-D04001 | 8 | 352 | 0.028 | 8 | 19,402.23 | 1.78 | 603 | 593 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,555,666.41 | 8.02 |
| F12081-F12069 | 21 | 309 | 0.002 | 35.9 | 1,138,321.52 | 1.76 | 396 | 395.36 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 5,507,781.57 | 3.55 |
| J10003-J10001 | 15 | 319 | 0.006 | 19.1 | 311,478.31 | 1.74 | 376 | 374 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,906,707.13 | 5.04 |
| K10001-K11017 | 15 | 150 | 0.007 | 21.7 | 316,576.58 | 1.75 | 366 | 365 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,028,520.42 | 5.19 |
| C05001-C06053 | 8 | 207 | 0.046 | 6.7 | 8,866.80 | 1.78 | 597.45 | 588 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,972,052.80 | 10.17 |
| H10035-H10033 | 12 | 410 | 0.007 | 16.5 | 137,410.52 | 1.77 | 402 | 399 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,327,733.18 | 4.50 |
| F16017-F16015 | 12 | 143 | 0.007 | 20.1 | 202,232.96 | 1.77 | 484 | 483 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,275,602.90 | 4.40 |
| F08109-F08107 | 12 | 319 | 0.004 | 35.6 | 289,776.12 | 1.77 | 453 | 451.7 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,737,164.05 | 3.36 |
| F03139-F03137 | 15 | 294 | 0.003 | 13.6 | 114,540.38 | 1.24 | 528 | 527 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,877,514.59 | 3.71 |
| E04077-E04075 | 8 | 403 | 0.007 | 23.5 | 95,911.13 | 1.78 | 557 | 554 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 796,335.20 | 4.11 |
| F19005-F19003 | 8 | 35 | 0.014 | 13.7 | 44,255.13 | 1.79 | 554.5 | 554 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,103,160.71 | 5.69 |
| J12017-J12015 | 8 | 323 | 0.014 | 30.4 | 42,746.72 | 1.79 | 364 | 359.38 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,103,843.57 | 5.69 |
| K11033-K11031 | 15 | 275 | 0.002 | 33.5 | 489,308.31 | 1.8 | 349 | 348.5 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,103,826.18 | 2.71 |
| E12101-E12095 | 10 | 355 | 0.006 | 26.8 | 197,251.00 | 1.78 | 407 | 405 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,256,074.30 | 3.89 |
| E13073-E13071 | 8 | 92 | 0.011 | 20.5 | 70,549.40 | 1.78 | 425 | 424 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 962,263.24 | 4.96 |
| J09001-J10005 | 15 | 302 | 0.007 | 17.6 | 269,925.74 | 1.76 | 380 | 378 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,015,158.79 | 5.18 |
| J09011-J09009 | 15 | 307 | 0.007 | 17.3 | 260,234.94 | 1.76 | 388 | 386 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,982,327.84 | 5.13 |
| F17027-F17005 | 12 | 396 | 0.01 | 16.5 | 127,343.43 | 1.77 | 512 | 508 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,734,934.32 | 5.29 |
| E04089-E04085 | 8 | 275 | 0.011 | 18.6 | 60,569.60 | 1.78 | 562 | 559 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 964,011.22 | 4.97 |
| F10021-F10019 | 24 | 75 | 0.003 | 24.1 | 951,611.12 | 1.76 | 415.2 | 415 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 8,922,684.14 | 4.45 |
| F10077-F10075 | 8 | 251 | 0.004 | 32.8 | 135,249.18 | 1.8 | 408 | 407 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 582,573.80 | 3.00 |
| E12105-E12103 | 10 | 327 | 0.006 | 25 | 175,714.14 | 1.78 | 411 | 409 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,308,746.79 | 4.05 |
| G13039-G13037 | 8 | 122 | 0.008 | 20.3 | 61,730.98 | 1.79 | 393 | 392 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 835,618.20 | 4.31 |
| H14003-H14001 | 8 | 249 | 0.012 | 14.2 | 41,481.46 | 1.8 | 358 | 355 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,013,091.71 | 5.22 |
| D10077-D10075 | 8 | 101 | 0.01 | 20.8 | 45,910.59 | 1.8 | 457 | 456 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 918,389.95 | 4.74 |
| D09053-D09051 | 8 | 19 | 0.074 | 3.1 | 4,136.55 | 1.82 | 468.8 | 467.4 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,505,388.18 | 12.92 |
| F19049-F19047 | 8 | 40 | 0.052 | 7.2 | 9,266.76 | 1.78 | 573 | 570.85 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,113,562.57 | 10.90 |
| C11019-C11017 | 8 | 252 | 0.048 | 5.6 | 6,894.24 | 1.79 | 513 | 501 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,014,086.69 | 10.39 |
| G15047-G15045 | 8 | 216 | 0.079 | 3.1 | 3,480.53 | 1.82 | 500 | 483 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,589,318.01 | 13.35 |
| F03081-F04151 | 15 | 262 | 0.004 | 14.5 | 115,475.93 | 1.23 | 523 | 522 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,048,179.61 | 3.93 |
| L14021-L14019 | 12 | 241 | 0.003 | 65.1 | 960,122.73 | 1.66 | 308.7 | 308 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,466,577.43 | 2.84 |
| E13059-E12105 | 10 | 163 | 0.006 | 24.7 | 174,862.85 | 1.79 | 412 | 411 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,310,752.54 | 4.06 |
| F18033-F18031 | 12 | 184 | 0.011 | 11.6 | 80,437.17 | 1.81 | 546 | 544 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,837,073.48 | 5.49 |
| E11123-E11121 | 8 | 259 | 0.035 | 7.4 | 15,217.66 | 1.81 | 430 | 421 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,720,517.84 | 8.87 |
| D14047-D14045 | 8 | 92 | 0.022 | 10.6 | 27,618.00 | 1.8 | 449 | 447 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,360,845.72 | 7.02 |
| L13147-L13015 | 12 | 342 | 0.003 | 100 | 2,268,684.40 | 1.68 | 323 | 322 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,471,470.11 | 2.85 |
| E15039-E15037 | 8 | 50 | 0.01 | 21.6 | 89,470.40 | 1.79 | 455.5 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 922,970.47 | 4.76 |
| D13041-D13039 | 10 | 125 | 0.008 | 18.6 | 112,195.43 | 1.8 | 440 | 439 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,496,785.28 | 4.63 |
| K11037-K11035 | 8 | 305 | 0.018 | 33.4 | 25,116.14 | 1.79 | 355 | 349.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,239,422.09 | 6.39 |
| G15039-G15037 | 8 | 325 | 0.037 | 100 | 8,895.47 | 1.83 | 422 | 410 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,773,522.69 | 9.15 |
| E14059-E13031 | 8 | 271 | 0.004 | 55.7 | 334,886.03 | 1.8 | 435 | 434 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 560,664.63 | 2.89 |
| D06067-D06065 | 8 | 244 | 0.016 | 12.1 | 31,469.95 | 1.82 | 571 | 567 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,181,742.60 | 6.09 |
| F03083-F03081 | 15 | 264 | 0.004 | 13.3 | 115,268.09 | 1.24 | 524 | 523 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,036,611.52 | 3.92 |
| F10067-F10065 | 12 | 125 | 0.002 | 44.4 | 480,918.55 | 1.81 | 401 | 400.75 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,216,968.94 | 2.35 |
| F03141-F03139 | 15 | 291 | 0.003 | 13.6 | 114,307.20 | 1.26 | 529 | 528 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,892,309.11 | 3.73 |
| F03085-F03083 | 15 | 270 | 0.004 | 13.4 | 115,044.08 | 1.25 | 525 | 524 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,002,681.84 | 3.87 |
| H14005-H14003 | 8 | 250 | 0.012 | 13.9 | 42,087.68 | 1.81 | 361 | 358 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,011,063.49 | 5.21 |
| E15051-E15049 | 8 | 363 | 0.011 | 21.4 | 77,985.14 | 1.8 | 465 | 461.09 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 957,905.96 | 4.94 |
| G09021-G09019 | 8 | 262 | 0.004 | 40.8 | 199,582.81 | 1.81 | 416 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 570,213.06 | 2.94 |
| E13017-E13015 | 8 | 313 | 0.003 | 74.5 | 471,626.49 | 1.81 | 423 | 422 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 521,693.76 | 2.69 |
| C06027-C06019 | 8 | 250 | 0.024 | 10.4 | 19,922.62 | 1.82 | 556 | 550 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,429,859.71 | 7.37 |
| G07045-G07043 | 24 | 275 | 0.001 | 33.6 | 1,603,298.40 | 1.57 | 462.28 | 461.88 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 6,589,838.96 | 3.29 |
| F20026-F20024 | 8 | 309.2 | 0.064 | 4.2 | 7,936.81 | 1.85 | 658.53 | 639.08 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,334,591.06 | 12.04 |
| C10019-C10017 | 8 | 163 | 0.006 | 23 | 84,394.78 | 1.82 | 495 | 494 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 722,926.27 | 3.73 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| E05013-E06083 | 10 | 333 | 0.012 | 12.1 | 51,727.31 | 1.81 | 512 | 508 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,834,097.37 | 5.68 |
| G06001-G07049 | 24 | 295 | 0.001 | 35.4 | 1,605,964.84 | 1.57 | 463.48 | 463.08 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 6,362,534.36 | 3.18 |
| F09089-F09087 | 8 | 275 | 0.011 | 17.5 | 51,570.22 | 1.81 | 430 | 427 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 964,011.22 | 4.97 |
| F03143-F03141 | 15 | 295 | 0.003 | 13.6 | 114,255.23 | 1.27 | 530 | 529 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,872,633.31 | 3.70 |
| J14085-J14051 | 8 | 267 | 0.007 | 27.7 | 93,751.20 | 1.81 | 333 | 331 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 798,816.77 | 4.12 |
| C10009-C10007 | 8 | 232 | 0.017 | 11.5 | 22,700.86 | 1.81 | 469 | 465 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,211,919.60 | 6.25 |
| D04091-D04081 | 8 | 361 | 0.014 | 14.4 | 47,358.23 | 1.82 | 591 | 586 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,086,223.54 | 5.60 |
| J08003-J08001 | 15 | 300 | 0.007 | 17.3 | 250,793.28 | 1.79 | 398 | 396 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,028,520.42 | 5.19 |
| G04085-G04083 | 12 | 338 | 0.006 | 20.3 | 167,489.61 | 1.76 | 492 | 490 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,093,250.22 | 4.05 |
| E16013-E15055 | 8 | 327 | 0.012 | 17.7 | 68,508.82 | 1.81 | 476 | 472.12 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,005,378.96 | 5.19 |
| G02011-G02009 | 8 | 267 | 0.016 | 9.3 | 16,683.64 | 1.47 | 520.97 | 516.58 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,183,489.57 | 6.10 |
| F18025-F18011 | 12 | 279 | 0.011 | 15.2 | 89,423.26 | 1.82 | 535 | 532 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,821,779.17 | 5.46 |
| E09073-E09069 | 15 | 265 | 0.002 | 46 | 927,349.26 | 1.81 | 422.5 | 422 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,143,153.43 | 2.76 |
| D04105-D04103 | 8 | 381 | 0.026 | 9.5 | 23,584.81 | 1.83 | 616 | 606 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,495,289.62 | 7.71 |
| K15021-K15019 | 10 | 369 | 0.004 | 28 | 163,494.14 | 1.83 | 314 | 312.39 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,105,386.77 | 3.42 |
| L14041-L14021 | 12 | 89 | 0.003 | 57.3 | 943,327.26 | 1.66 | 309 | 308.7 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,579,901.90 | 3.06 |
| E15055-E15053 | 8 | 337 | 0.012 | 18.3 | 69,365.45 | 1.82 | 472.12 | 468 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,020,519.87 | 5.26 |
| G14045-G14043 | 8 | 318 | 0.009 | 19.7 | 68,806.27 | 1.83 | 401 | 398 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 896,468.17 | 4.62 |
| H07005-H07003 | 15 | 547 | 0.007 | 15.3 | 214,288.23 | 1.81 | 427 | 423 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,219,174.93 | 5.44 |
| E02001-E03249 | 10 | 155 | 0.005 | 1.6 | 440.16 | 0.12 | 562.83 | 562.12 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,132,603.33 | 3.50 |
| F10053-F10051 | 8 | 105 | 0.029 | 41.6 | 14,991.57 | 1.84 | 403 | 400 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,560,104.84 | 8.05 |
| F08099-F08097 | 12 | 265 | 0.003 | 37.8 | 454,062.33 | 1.82 | 449.8 | 449 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,495,156.16 | 2.89 |
| H14007-H14005 | 8 | 248 | 0.012 | 14 | 42,696.37 | 1.84 | 364 | 361 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,015,132.18 | 5.24 |
| H09003-H10035 | 12 | 393 | 0.008 | 16.4 | 138,401.52 | 1.82 | 405 | 402 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,377,545.57 | 4.60 |
| F11043-F11041 | 8 | 342 | 0.009 | 17.3 | 56,062.21 | 1.84 | 392 | 389 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 864,441.05 | 4.46 |
| D11021-D11019 | 8 | 148 | 0.007 | 21.5 | 76,851.22 | 1.84 | 465 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 758,677.05 | 3.91 |
| D10043-D10037 | 8 | 204 | 0.015 | 13.1 | 29,961.67 | 1.84 | 458 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,119,266.10 | 5.77 |
| D06031-D06029 | 8 | 257 | 0.019 | 14.2 | 26,395.59 | 1.82 | 549 | 544 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,287,378.49 | 6.64 |
| D09023-D09021 | 8 | 309 | 0.01 | 26.5 | 51,339.44 | 1.86 | 452 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 909,429.83 | 4.69 |
| E07019-E07017 | 12 | 250 | 0.012 | 9.9 | 56,674.86 | 1.86 | 487 | 484 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,980,952.95 | 5.77 |
| C06019-C06017 | 8 | 207 | 0.014 | 12.6 | 37,395.04 | 1.85 | 550 | 547 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,111,125.88 | 5.73 |
| H14009-H14007 | 8 | 248 | 0.012 | 14 | 42,901.09 | 1.85 | 367 | 364 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,015,132.18 | 5.24 |
| F05041-F05039 | 10 | 306 | 0.013 | 20.1 | 78,880.21 | 1.78 | 505 | 501 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,913,303.17 | 5.92 |
| E07049-E07047 | 8 | 279 | 0.004 | 46 | 239,102.94 | 1.86 | 490 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 552,567.97 | 2.85 |
| F05111-F05109 | 15 | 238 | 0.004 | 15.6 | 166,043.36 | 1.38 | 508 | 507 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,198,178.66 | 4.12 |
| E07007-E07005 | 12 | 159 | 0.013 | 18.9 | 58,956.68 | 1.85 | 476 | 474 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,051,974.73 | 5.90 |
| F04005-F04003 | 8 | 252 | 0.024 | 11.3 | 24,470.93 | 1.85 | 512 | 506 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,424,174.36 | 7.35 |
| G10027-H10027 | 8 | 149 | 0.007 | 27.9 | 88,036.32 | 1.85 | 398 | 397 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 756,126.87 | 3.90 |
| D06137-D06135 | 8 | 275 | 0.015 | 12.9 | 36,718.30 | 1.86 | 520 | 516 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,113,144.27 | 5.74 |
| E02009-E02007 | 8 | 357 | 0.005 | 2 | 449.63 | 0.17 | 567.56 | 565.61 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 682,136.05 | 3.52 |
| E15047-E15045 | 8 | 274 | 0.011 | 22.4 | 83,168.13 | 1.84 | 461.01 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 967,377.04 | 4.99 |
| J12089-J12001 | 18 | 207 | 0.014 | 6.9 | 93,058.25 | 1.82 | 358 | 355 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 9,658,654.77 | 8.30 |
| D05071-D05069 | 8 | 342 | 0.023 | 10.2 | 26,106.19 | 1.86 | 614 | 606 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,411,626.32 | 7.28 |
| F10023-F10021 | 24 | 34 | 0.003 | 21.8 | 951,743.79 | 1.82 | 415.3 | 415.2 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 9,370,692.67 | 4.68 |
| G07047-G07045 | 24 | 261 | 0.002 | 33.3 | 1,599,271.00 | 1.6 | 462.68 | 462.28 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 6,764,269.39 | 3.38 |
| E12025-E12011 | 10 | 330 | 0.003 | 100 | 595,187.92 | 1.86 | 414 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 508,078.52 | 2.62 |
| D04077-D04075 | 8 | 272 | 0.011 | 24.6 | 67,924.62 | 1.86 | 578 | 575 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 969,312.88 | 5.00 |
| E06023-E06007 | 8 | 279 | 0.011 | 23.1 | 54,574.73 | 1.87 | 513 | 510 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 957,075.80 | 4.94 |
| C05011-D05071 | 8 | 280 | 0.029 | 8.7 | 20,453.74 | 1.87 | 622 | 614 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,560,104.84 | 8.05 |
| D16019-D16017 | 15 | 158 | 0.016 | 8.7 | 95,395.79 | 1.86 | 495.46 | 493 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 6,156,447.91 | 7.94 |
| H05025-H05017 | 8 | 264 | 0.019 | 20.9 | 81,127.78 | 1.84 | 462 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,270,196.31 | 6.55 |
| F05113-F05111 | 15 | 234 | 0.004 | 15.5 | 165,893.48 | 1.4 | 509 | 508 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,225,397.69 | 4.16 |
| D09073-D09071 | 10 | 322 | 0.006 | 18.6 | 99,463.34 | 1.88 | 448 | 446 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,318,868.73 | 4.08 |
| E15017-E15015 | 15 | 331 | 0.009 | 13.3 | 178,519.02 | 1.86 | 472 | 469 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,697,186.78 | 6.06 |
| J09007-J09005 | 15 | 275 | 0.007 | 41 | 267,217.90 | 1.85 | 384 | 382 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,207,652.35 | 5.43 |
| E03245-E03243 | 10 | 116 | 0.005 | 1.8 | 672.98 | 0.29 | 560.68 | 560.07 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,213,529.76 | 3.76 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| F10075-F10073 | 8 | 215 | 0.005 | 41.5 | 135,145.29 | 1.88 | 407 | 406 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 629,460.64 | 3.25 |
| D02011-D02003 | 12 | 249 | 0.004 | 18.9 | 134,578.20 | 1.42 | 594 | 593 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,724,506.46 | 3.34 |
| E16021-E16015 | 8 | 143 | 0.014 | 18.4 | 61,061.38 | 1.88 | 480 | 478 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,091,527.76 | 5.63 |
| H07007-H07005 | 15 | 532 | 0.008 | 15.3 | 214,864.93 | 1.86 | 431 | 427 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,278,242.31 | 5.52 |
| F10099-F10097 | 8 | 182 | 0.016 | 11.3 | 26,388.39 | 1.89 | 407 | 404 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,184,984.69 | 6.11 |
| K13069-K13001 | 12 | 300 | 0.003 | 100 | 2,444,652.75 | 1.76 | 320 | 319 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,571,100.15 | 3.04 |
| E12095-E12003 | 10 | 309 | 0.006 | 40.8 | 202,312.88 | 1.87 | 405 | 403 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,346,326.10 | 4.17 |
| J09003-J09001 | 15 | 266 | 0.008 | 17.2 | 265,775.31 | 1.85 | 382.06 | 380 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,341,941.73 | 5.60 |
| F07019-F07017 | 8 | 40 | 0.025 | 12.8 | 31,435.18 | 1.87 | 454 | 453 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,459,344.45 | 7.53 |
| H10031-H10013 | 12 | 397 | 0.009 | 18.8 | 138,549.79 | 1.87 | 395 | 391.5 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,555,072.73 | 4.94 |
| F09047-F09045 | 18 | 424 | 0.002 | 31.8 | 853,046.00 | 1.86 | 428 | 427 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 3,896,352.68 | 3.35 |
| D10089-D10075 | 8 | 308 | 0.006 | 24.6 | 85,139.81 | 1.89 | 458 | 456 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 743,750.80 | 3.84 |
| D14113-D14085 | 8 | 251 | 0.026 | 11.3 | 29,405.99 | 1.88 | 457.48 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,482,990.77 | 7.65 |
| F09049-F09047 | 18 | 440 | 0.002 | 32.1 | 853,301.88 | 1.87 | 429 | 428 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 3,824,853.90 | 3.29 |
| E16003-E16001 | 15 | 325 | 0.009 | 13.7 | 172,072.92 | 1.87 | 477 | 474 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,740,347.14 | 6.11 |
| D05007-D05005 | 8 | 58 | 0.017 | 11.4 | 33,552.12 | 1.9 | 571 | 570 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,211,919.60 | 6.25 |
| K13071-K13069 | 12 | 302 | 0.003 | 100 | 2,487,922.49 | 1.77 | 321 | 320 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,565,889.19 | 3.03 |
| F12075-F12073 | 15 | 251 | 0.004 | 29.7 | 597,923.01 | 1.87 | 400 | 399 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,114,256.21 | 4.02 |
| E08057-E08049 | 15 | 331 | 0.006 | 16.4 | 174,584.11 | 1.88 | 464 | 462 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,835,236.95 | 4.94 |
| D10091-D10089 | 8 | 140 | 0.007 | 22 | 75,665.17 | 1.89 | 459 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 780,052.42 | 4.02 |
| E07091-E07089 | 8 | 246 | 0.016 | 12.8 | 33,153.48 | 1.89 | 476 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,176,928.96 | 6.07 |
| D03085-D03061 | 15 | 251 | 0.004 | 17.9 | 217,100.75 | 1.52 | 589 | 588 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,114,256.21 | 4.02 |
| F12073-F12071 | 15 | 246 | 0.004 | 29.6 | 598,466.46 | 1.87 | 399 | 398 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,145,745.95 | 4.06 |
| E02013-E02011 | 8 | 224 | 0.006 | 2 | 454.29 | 0.16 | 570.27 | 569 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 694,969.36 | 3.58 |
| D09075-D09073 | 8 | 382 | 0.008 | 21.4 | 68,234.19 | 1.9 | 451 | 448 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 817,931.16 | 4.22 |
| G14067-G14065 | 8 | 334 | 0.019 | 12.4 | 42,093.49 | 1.87 | 415.48 | 409 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,285,588.79 | 6.63 |
| F17001-F16035 | 12 | 249 | 0.012 | 14.5 | 134,551.69 | 1.88 | 506 | 503 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,986,932.80 | 5.78 |
| F18029-F18027 | 12 | 249 | 0.012 | 11.8 | 87,392.77 | 1.9 | 541 | 538 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,986,932.80 | 5.78 |
| E04097-E04071 | 10 | 273 | 0.011 | 20.8 | 92,325.83 | 1.89 | 548 | 545 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,754,259.40 | 5.43 |
| H10053-H10051 | 15 | 378 | 0.005 | 19.5 | 251,555.56 | 1.87 | 386 | 384 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,588,891.24 | 4.63 |
| G12049-G12047 | 8 | 221 | 0.009 | 20.9 | 77,151.78 | 1.89 | 385 | 383 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 878,024.57 | 4.53 |
| G04081-G05099 | 12 | 286 | 0.007 | 20.3 | 169,144.58 | 1.84 | 489 | 487 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,275,602.90 | 4.40 |
| D17017-D17015 | 15 | 285 | 0.018 | 8.1 | 87,060.75 | 1.87 | 504 | 499 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 6,535,123.08 | 8.43 |
| G13091-G13089 | 10 | 167 | 0.006 | 22.9 | 134,626.49 | 1.9 | 386 | 385 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,294,959.76 | 4.01 |
| F16021-F16019 | 12 | 231 | 0.009 | 18.7 | 193,774.59 | 1.88 | 487 | 485 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,532,057.16 | 4.90 |
| F12077-F12075 | 15 | 250 | 0.004 | 29.7 | 597,685.67 | 1.88 | 401 | 400 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,120,478.50 | 4.02 |
| E04071-E04069 | 10 | 337 | 0.006 | 26.1 | 192,299.99 | 1.9 | 545 | 543 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,289,182.96 | 3.99 |
| D06013-D06011 | 8 | 286 | 0.007 | 25.2 | 107,730.08 | 1.91 | 534 | 532 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 771,826.68 | 3.98 |
| G05101-G05099 | 8 | 288 | 0.014 | 24.3 | 55,391.82 | 1.9 | 491 | 487 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,087,731.13 | 5.61 |
| F05109-F05105 | 15 | 224 | 0.004 | 15.8 | 177,599.77 | 1.46 | 507 | 506 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,296,607.10 | 4.25 |
| G13045-G13043 | 8 | 211 | 0.009 | 17.8 | 61,915.26 | 1.91 | 396 | 394 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 898,589.99 | 4.63 |
| J15005-J15003 | 12 | 235 | 0.004 | 28.7 | 255,998.55 | 1.9 | 328 | 327 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,775,131.65 | 3.43 |
| F18031-F18029 | 12 | 245 | 0.012 | 11.7 | 86,536.18 | 1.92 | 544 | 541 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,011,217.21 | 5.82 |
| F12079-F12077 | 15 | 250 | 0.004 | 29.7 | 597,446.55 | 1.89 | 402 | 401 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,120,478.50 | 4.02 |
| F18027-F18025 | 12 | 240 | 0.013 | 12 | 88,560.58 | 1.92 | 538 | 535 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,042,422.36 | 5.88 |
| E16023-E16021 | 8 | 248 | 0.02 | 14.4 | 45,281.72 | 1.89 | 485 | 480 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,310,530.01 | 6.76 |
| D04095-D04093 | 8 | 55 | 0.018 | 13.8 | 41,318.54 | 1.92 | 593 | 592 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,244,533.13 | 6.42 |
| D14117-D14115 | 8 | 348 | 0.026 | 10.1 | 29,162.85 | 1.91 | 471 | 462 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,484,292.32 | 7.66 |
| E07083-E08073 | 8 | 335 | 0.012 | 16 | 55,664.04 | 1.92 | 469 | 465 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,008,545.28 | 5.20 |
| D13079-D13077 | 8 | 161 | 0.031 | 8.8 | 22,413.48 | 1.93 | 440 | 435 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,626,521.74 | 8.39 |
| D02001-D03083 | 8 | 346 | 0.014 | 16.5 | 65,527.11 | 1.93 | 625 | 620 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,109,519.04 | 5.72 |
| J08013-J08011 | 15 | 512 | 0.008 | 15.7 | 234,029.13 | 1.9 | 415 | 411 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,361,001.28 | 5.62 |
| H07001-J08013 | 15 | 498 | 0.008 | 15.6 | 227,083.44 | 1.91 | 419 | 415 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,421,875.63 | 5.70 |
| E12005-E12003 | 15 | 355 | 0.003 | 39.1 | 845,612.05 | 1.92 | 404 | 403 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,618,647.39 | 3.38 |
| D13105-D13099 | 8 | 197 | 0.223 | 3.5 | 2,171.13 | 1.93 | 501 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 4,361,953.51 | 22.50 |
| L14043-L14041 | 12 | 259 | 0.004 | 54.8 | 960,385.69 | 1.76 | 310 | 309 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,690,887.12 | 3.27 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| H07003-H07001 | 15 | 473 | 0.008 | 15.2 | 218,806.94 | 1.91 | 423 | 419 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,537,228.22 | 5.85 |
| D06009-D06007 | 8 | 282 | 0.007 | 25.9 | 114,021.70 | 1.93 | 528 | 526 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 777,281.36 | 4.01 |
| H12011-H12009 | 15 | 453 | 0.004 | 23.4 | 342,069.00 | 1.91 | 368 | 366 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,278,363.43 | 4.23 |
| G13087-G13085 | 10 | 46 | 0.007 | 21.3 | 134,569.13 | 1.92 | 384.3 | 384 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,351,438.29 | 4.18 |
| F13061-F13059 | 15 | 255 | 0.004 | 29.8 | 596,024.57 | 1.91 | 406 | 405 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,089,734.12 | 3.98 |
| L13015-K13071 | 12 | 286 | 0.003 | 100 | 2,528,660.00 | 1.81 | 322 | 321 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,609,094.24 | 3.11 |
| F19003-F19001 | 8 | 250 | 0.017 | 17 | 45,490.29 | 1.93 | 554 | 549.64 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,214,033.81 | 6.26 |
| F02099-F02098 | 8 | 262 | 0.006 | 22.1 | 68,676.49 | 1.5 | 534.63 | 533 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 727,999.30 | 3.75 |
| E09005-F09049 | 18 | 423 | 0.002 | 31.9 | 852,631.18 | 1.92 | 430 | 429 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 3,900,955.58 | 3.35 |
| F13059-F13057 | 15 | 250 | 0.004 | 29.6 | 596,566.48 | 1.91 | 405 | 404 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,120,478.50 | 4.02 |
| D10093-D10091 | 8 | 232 | 0.009 | 19.8 | 64,448.26 | 1.94 | 461 | 459 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 856,956.57 | 4.42 |
| F18003-F18001 | 12 | 79 | 0.013 | 14.8 | 105,578.91 | 1.94 | 529 | 528 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,061,617.65 | 5.92 |
| E09007-E09005 | 18 | 438 | 0.002 | 32 | 852,558.68 | 1.92 | 431 | 430 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 3,833,576.50 | 3.30 |
| J08011-J08009 | 15 | 360 | 0.008 | 15.5 | 233,347.15 | 1.92 | 411 | 408 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,504,022.76 | 5.81 |
| G06003-G06001 | 24 | 249 | 0.002 | 33.5 | 1,607,473.88 | 1.68 | 463.88 | 463.48 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 6,925,345.98 | 3.46 |
| G05099-G05097 | 12 | 345 | 0.006 | 22.2 | 223,944.76 | 1.9 | 487 | 485 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,071,905.52 | 4.01 |
| D05101-E05011 | 8 | 284 | 0.014 | 14 | 46,372.49 | 1.95 | 534 | 530 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,095,364.43 | 5.65 |
| G09027-G09025 | 8 | 19 | 0.005 | 36.6 | 173,241.70 | 1.94 | 419 | 418.9 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 669,593.16 | 3.45 |
| C06097-C06095 | 8 | 227 | 0.084 | 3.3 | 5,245.01 | 1.96 | 611 | 592 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,670,248.50 | 13.77 |
| F14059-F14057 | 15 | 305 | 0.01 | 14.5 | 193,798.45 | 1.93 | 432 | 429 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,893,300.73 | 6.31 |
| D03097-D03087 | 15 | 236 | 0.004 | 17.4 | 213,078.59 | 1.57 | 591 | 590 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,211,701.67 | 4.14 |
| F03157-F03155 | 12 | 155 | 0.006 | 6.6 | 18,854.04 | 0.94 | 541 | 540 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,185,740.75 | 4.23 |
| F06071-F06067 | 8 | 61 | 0.029 | 12.2 | 26,532.87 | 1.95 | 487.75 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,563,298.51 | 8.06 |
| G13055-G13047 | 8 | 302 | 0.013 | 16.4 | 43,124.50 | 1.95 | 401 | 397 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,062,219.65 | 5.48 |
| F13063-F13061 | 15 | 253 | 0.004 | 29.7 | 595,789.62 | 1.93 | 407 | 406 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,101,922.47 | 4.00 |
| J15009-J15007 | 12 | 131 | 0.008 | 17.5 | 129,112.20 | 1.94 | 330 | 329 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,377,545.57 | 4.60 |
| F08103-F08101 | 12 | 278 | 0.004 | 35.9 | 450,892.00 | 1.95 | 451 | 450 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,632,082.47 | 3.16 |
| E13015-D13033 | 8 | 250 | 0.004 | 68.4 | 473,682.30 | 1.95 | 422 | 421 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 583,737.78 | 3.01 |
| D03029-D03017 | 8 | 86 | 0.035 | 9.4 | 21,458.06 | 1.96 | 604 | 601 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,723,848.95 | 8.89 |
| D13033-D12009 | 10 | 255 | 0.004 | 59.8 | 517,057.24 | 1.94 | 421 | 420 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,047,959.31 | 3.24 |
| F02155-F02100 | 8 | 300 | 0.006 | 20.8 | 68,888.34 | 1.53 | 539.1 | 537.25 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 723,586.45 | 3.73 |
| J11091-J11090 | 8 | 16 | 0.034 | 14.8 | 27,095.55 | 1.95 | 372 | 371.46 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,695,605.03 | 8.74 |
| J14025-J14023 | 8 | 267 | 0.007 | 23.8 | 99,855.42 | 1.96 | 343 | 341 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 798,816.77 | 4.12 |
| C05013-C05011 | 8 | 270 | 0.033 | 7.8 | 19,618.64 | 1.97 | 631 | 622 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,685,105.82 | 8.69 |
| E10059-E10057 | 12 | 155 | 0.006 | 16.9 | 133,984.78 | 1.97 | 424 | 423 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,185,740.75 | 4.23 |
| E12049-E12047 | 8 | 281 | 0.007 | 29.1 | 143,545.28 | 1.96 | 416 | 414 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 778,663.19 | 4.02 |
| G12001-H12011 | 15 | 450 | 0.004 | 21.8 | 342,984.05 | 1.94 | 370 | 368 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,289,273.15 | 4.24 |
| H10033-H10031 | 12 | 415 | 0.01 | 15.7 | 139,585.55 | 1.95 | 399 | 395 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,671,593.91 | 5.17 |
| C10029-C10027 | 8 | 201 | 0.01 | 17.4 | 60,473.33 | 1.97 | 511 | 509 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 920,671.66 | 4.75 |
| G12003-G12001 | 15 | 446 | 0.004 | 21.7 | 335,352.20 | 1.95 | 372 | 370 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,303,990.33 | 4.26 |
| F14061-F14059 | 15 | 302 | 0.01 | 13.6 | 193,928.85 | 1.95 | 435 | 432 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,917,545.14 | 6.34 |
| F20024-F20022 | 8 | 350 | 0.081 | 5.2 | 7,923.98 | 1.99 | 639.08 | 610.78 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,624,502.57 | 13.54 |
| F16019-F16017 | 12 | 108 | 0.009 | 19.5 | 201,660.06 | 1.95 | 485 | 484 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,618,500.25 | 5.06 |
| E08047-E08045 | 15 | 336 | 0.006 | 17.3 | 211,025.00 | 1.97 | 461 | 459 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,806,594.00 | 4.91 |
| E02011-E02009 | 8 | 220 | 0.007 | 1.9 | 452.19 | 0.19 | 569 | 567.56 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 746,719.88 | 3.85 |
| D06007-D06005 | 8 | 266 | 0.008 | 26 | 117,655.14 | 1.98 | 526 | 524 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 800,316.90 | 4.13 |
| E02025-E02023 | 8 | 233 | 0.011 | 0 | 0 | 0 | 585.57 | 582.98 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 973,105.06 | 5.02 |
| D03099-D03097 | 15 | 230 | 0.004 | 17.4 | 213,082.54 | 1.6 | 592 | 591 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,253,323.73 | 4.19 |
| E09075-E09073 | 15 | 214 | 0.002 | 44.6 | 927,289.62 | 1.97 | 423 | 422.5 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,384,895.28 | 3.07 |
| F08089-F08083 | 12 | 263 | 0.004 | 40.6 | 464,187.61 | 1.97 | 447 | 446 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,677,979.40 | 3.25 |
| G09057-G09055 | 8 | 258 | 0.019 | 43.5 | 33,344.84 | 1.99 | 420 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,284,881.15 | 6.63 |
| E04075-E04073 | 8 | 391 | 0.01 | 21.8 | 96,977.81 | 1.98 | 554 | 550 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 933,532.46 | 4.81 |
| H13067-H13065 | 12 | 23 | 0.043 | 4.3 | 13,325.50 | 1.99 | 373 | 372 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 5,674,146.96 | 10.97 |
| E07047-E07045 | 8 | 234 | 0.004 | 44.9 | 250,994.83 | 1.99 | 489 | 488 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 603,364.67 | 3.11 |
| K11035-K11033 | 15 | 207 | 0.002 | 31.6 | 487,689.40 | 1.99 | 349.5 | 349 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,424,884.34 | 3.13 |
| E14001-F14061 | 15 | 302 | 0.01 | 13.6 | 193,750.59 | 1.97 | 438 | 435 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,917,545.14 | 6.34 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| D10079-D10077 | 8 | 257 | 0.016 | 13.8 | 37,839.80 | 2 | 461 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,151,466.32 | 5.94 |
| C06003-C06001 | 8 | 232 | 0.009 | 25 | 91,974.85 | 1.99 | 537 | 535 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 856,956.57 | 4.42 |
| G13079-G13077 | 10 | 320 | 0.006 | 25 | 151,412.47 | 1.98 | 382 | 380 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,322,983.77 | 4.09 |
| F20022-F20020 | 8 | 0 | 0.045 | 7.8 | 15,592.29 | 2.03 | 610.78 | 594.98 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,958,225.91 | 10.10 |
| F02161-F02158 | 8 | 360 | 0.006 | 21.3 | 69,695.36 | 1.57 | 542.29 | 540.18 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 703,680.83 | 3.63 |
| J11053-J11021 | 8 | 430 | 0.013 | 89.7 | 70,233.03 | 1.97 | 367 | 361.46 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,047,631.29 | 5.40 |
| D16005-D16003 | 15 | 299 | 0.013 | 11.4 | 134,229.51 | 1.97 | 486 | 482 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,706,707.34 | 7.36 |
| J08007-J08005 | 15 | 311 | 0.01 | 15 | 232,538.31 | 1.98 | 404 | 401 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,845,868.58 | 6.25 |
| C06095-C06093 | 8 | 287 | 0.087 | 3.7 | 5,585.58 | 2.01 | 592 | 567 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,724,061.22 | 14.05 |
| D11025-D11023 | 8 | 305 | 0.01 | 19.4 | 59,276.01 | 2.01 | 469.2 | 466 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 945,394.08 | 4.88 |
| D03105-D03103 | 8 | 345 | 0.017 | 16.6 | 65,724.18 | 1.99 | 605 | 599 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,217,177.41 | 6.28 |
| F06067-F06065 | 8 | 254 | 0.016 | 22 | 58,854.43 | 2.01 | 486 | 482 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,158,246.36 | 5.97 |
| F02158-F02157 | 8 | 300 | 0.006 | 27.8 | 69,675.30 | 1.58 | 540.18 | 539.36 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 722,008.54 | 3.72 |
| D06005-D06001 | 8 | 259 | 0.008 | 26.1 | 121,358.53 | 2.01 | 524 | 522 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 811,059.89 | 4.18 |
| K13063-K13061 | 12 | 163 | 0.006 | 20.4 | 154,347.07 | 2.01 | 338 | 337 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,131,428.14 | 4.12 |
| L14013-L13151 | 12 | 241 | 0.004 | 100 | 2,350,057.25 | 1.85 | 325 | 324 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,752,895.30 | 3.39 |
| D07123-D07121 | 8 | 212 | 0.014 | 16.1 | 53,295.57 | 2.01 | 482 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,097,944.79 | 5.66 |
| D06033-D06031 | 8 | 87 | 0.034 | 8.7 | 19,368.16 | 2.02 | 552 | 549 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,713,913.14 | 8.84 |
| D02019-D02015 | 12 | 356 | 0.006 | 14.6 | 93,143.89 | 1.45 | 600 | 598 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,039,644.59 | 3.94 |
| D03087-D03085 | 15 | 213 | 0.005 | 17.5 | 216,596.21 | 1.63 | 590 | 589 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,380,659.24 | 4.36 |
| J14027-J14025 | 8 | 251 | 0.008 | 23.7 | 101,145.46 | 2.02 | 345 | 343 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 823,883.76 | 4.25 |
| F10049-G10025 | 12 | 688 | 0.003 | 40.9 | 514,642.94 | 2.02 | 399 | 397 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,467,186.35 | 2.84 |
| D15077-D15075 | 8 | 87 | 0.161 | 2.9 | 3,412.21 | 2.06 | 576 | 562 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,702,475.55 | 19.10 |
| D04007-D04005 | 8 | 44 | 0.045 | 7.7 | 16,893.26 | 2.05 | 610 | 608 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,967,779.66 | 10.15 |
| E12045-E12043 | 12 | 226 | 0.004 | 38.3 | 565,140.76 | 2.01 | 418 | 417 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,810,132.14 | 3.50 |
| G09033-G09029 | 8 | 301 | 0.01 | 23.6 | 88,393.50 | 2.02 | 423 | 420 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 921,436.02 | 4.75 |
| C06099-C06097 | 8 | 343 | 0.102 | 3.1 | 4,562.71 | 2.05 | 646 | 611 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,948,321.02 | 15.21 |
| D04101-D04099 | 8 | 315 | 0.022 | 12.4 | 37,688.30 | 2.01 | 602 | 595 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,375,883.14 | 7.10 |
| H14001-J14035 | 8 | 277 | 0.014 | 15 | 50,648.34 | 2.03 | 355 | 351 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,109,118.42 | 5.72 |
| K13059-K13057 | 12 | 319 | 0.006 | 18.8 | 162,269.37 | 2.04 | 336 | 334 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,154,686.82 | 4.17 |
| F07099-F07085 | 10 | 265 | 0.008 | 24 | 183,908.43 | 2.02 | 477 | 475 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,453,806.38 | 4.50 |
| K10007-K10005 | 15 | 313 | 0.01 | 19.8 | 311,224.63 | 1.99 | 372 | 369 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,830,361.76 | 6.23 |
| D10037-D10029 | 8 | 237 | 0.013 | 15 | 50,345.30 | 2.04 | 455 | 452 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,038,422.91 | 5.36 |
| G13043-G13039 | 8 | 85 | 0.012 | 17.6 | 61,785.08 | 2.04 | 394 | 393 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,001,102.04 | 5.16 |
| H14011-H14009 | 8 | 183 | 0.016 | 13.4 | 41,666.94 | 2.04 | 370 | 367 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,181,742.60 | 6.09 |
| E14005-E14003 | 15 | 283 | 0.011 | 13.2 | 190,566.29 | 2.03 | 445 | 442 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,079,940.31 | 6.55 |
| E05049-E05107 | 8 | 263 | 0.008 | 27.2 | 129,956.91 | 2.05 | 543 | 541 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 804,868.50 | 4.15 |
| E10057-E10055 | 12 | 291 | 0.007 | 17 | 142,287.01 | 2.04 | 423 | 421 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,255,968.34 | 4.36 |
| E02027-E02025 | 8 | 207 | 0.012 | 0 | 0 | 0 | 588.03 | 585.57 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,006,167.27 | 5.19 |
| G09053-G09051 | 8 | 491 | 0.012 | 17.5 | 67,990.04 | 2.04 | 430 | 424 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,020,287.78 | 5.26 |
| K10003-K10001 | 15 | 207 | 0.01 | 18.1 | 316,683.35 | 2 | 368 | 366 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,849,768.68 | 6.25 |
| D09033-D09031 | 8 | 234 | 0.004 | 40 | 194,128.75 | 2.06 | 444 | 443 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 603,364.67 | 3.11 |
| K13057-K13055 | 12 | 319 | 0.006 | 22 | 168,869.09 | 2.05 | 334 | 332 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,154,686.82 | 4.17 |
| D16017-D16015 | 15 | 51 | 0.02 | 10.3 | 98,756.55 | 2.05 | 493 | 492 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 6,908,855.53 | 8.91 |
| F05161-F05159 | 8 | 243 | 0.399 | 2.5 | 1,245.24 | 2.26 | 593 | 496 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 5,831,369.18 | 30.07 |
| F16023-F16021 | 12 | 188 | 0.011 | 18.2 | 193,540.94 | 2.03 | 489 | 487 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,806,729.58 | 5.43 |
| E15059-E15057 | 8 | 121 | 0.017 | 16.1 | 66,564.65 | 2.06 | 460 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,186,615.78 | 6.12 |
| K13051-K13049 | 12 | 342 | 0.006 | 20.7 | 195,544.03 | 2.05 | 329 | 327 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,080,972.99 | 4.02 |
| E02023-E02021 | 8 | 190 | 0.012 | 0 | 0 | 0 | 582.98 | 580.75 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 999,915.82 | 5.16 |
| H12017-H12015 | 12 | 169 | 0.012 | 29.8 | 570,984.58 | 2.15 | 368 | 366 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,960,302.85 | 5.73 |
| E05105-E05103 | 8 | 262 | 0.008 | 31.2 | 138,938.32 | 2.06 | 538 | 536 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 806,403.05 | 4.16 |
| E05101-E05095 | 8 | 270 | 0.007 | 41.6 | 150,788.71 | 2.06 | 535 | 533 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 794,366.50 | 4.10 |
| J14035-J14033 | 8 | 217 | 0.014 | 18.3 | 55,690.84 | 2.06 | 351 | 348 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,085,221.95 | 5.60 |
| D05005-D05003 | 8 | 331 | 0.021 | 13.6 | 35,553.32 | 2.08 | 570 | 563 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,342,217.29 | 6.92 |
| K12037-K12035 | 8 | 281 | 0.014 | 29.3 | 54,833.18 | 2.06 | 345 | 341 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,101,196.04 | 5.68 |
| K13037-K13035 | 21 | 333 | 0.003 | 22.3 | 725,599.98 | 2.05 | 323 | 322 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 6,631,989.72 | 4.28 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| E05095-E05089 | 10 | 248 | 0.004 | 43 | 408,454.95 | 2.07 | 533 | 532 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,062,646.14 | 3.29 |
| F02169-F02167 | 8 | 82 | 0.027 | 13.8 | 19,745.51 | 1.92 | 547.13 | 544.63 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,513,269.70 | 7.80 |
| J14015-J14013 | 10 | 249 | 0.008 | 21.1 | 129,771.85 | 2.06 | 333 | 331 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,499,787.86 | 4.64 |
| D02051-D02019 | 10 | 315 | 0.006 | 15.8 | 57,835.82 | 1.34 | 602 | 600 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,333,442.30 | 4.13 |
| G12095-G12093 | 12 | 133 | 0.008 | 18.8 | 160,679.01 | 2.06 | 379 | 378 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,359,601.58 | 4.56 |
| D15007-D15005 | 8 | 12 | 0.027 | 12.2 | 33,301.99 | 2.07 | 477.32 | 477 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,507,204.47 | 7.77 |
| D06109-D06107 | 8 | 290 | 0.017 | 13.5 | 47,064.06 | 2.07 | 526 | 521 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,211,919.60 | 6.25 |
| D06119-E06021 | 8 | 331 | 0.012 | 18 | 69,256.94 | 2.08 | 522 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,014,620.90 | 5.23 |
| K11047-K11035 | 15 | 177 | 0.003 | 29.5 | 467,279.85 | 2.09 | 350 | 349.5 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,622,343.43 | 3.38 |
| C06029-C06027 | 8 | 256 | 0.043 | 7.3 | 15,561.04 | 2.07 | 567 | 556 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,913,216.72 | 9.87 |
| K13053-K13051 | 12 | 341 | 0.006 | 20.8 | 197,392.17 | 2.08 | 331 | 329 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,084,022.03 | 4.03 |
| D08055-D08053 | 12 | 142 | 0.035 | 7.3 | 39,482.55 | 2.05 | 483 | 478 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 5,106,288.26 | 9.88 |
| E15015-E15013 | 15 | 325 | 0.012 | 13.4 | 180,821.28 | 2.07 | 469 | 465 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,473,681.39 | 7.06 |
| D03055-D03009 | 15 | 190 | 0.005 | 17.2 | 231,168.51 | 1.7 | 587 | 586 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,579,434.33 | 4.62 |
| E06021-E06009 | 8 | 334 | 0.012 | 23 | 73,321.74 | 2.1 | 518 | 514 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,010,053.95 | 5.21 |
| D10013-D10011 | 12 | 336 | 0.002 | 77.9 | 1,037,488.68 | 2.12 | 433 | 432.46 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,090,917.07 | 2.11 |
| C06007-C06005 | 8 | 329 | 0.036 | 9.7 | 19,816.36 | 2.1 | 552 | 540 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,762,708.43 | 9.09 |
| J12023-J12007 | 30 | 23 | 0.012 | 13.4 | 412,613.52 | 2.06 | 358.09 | 357.81 | Vitrified Clay Pipe-Circular-30 inch | 4.9 | 34,566,304.56 | 10.91 |
| D09035-D09033 | 8 | 309 | 0.006 | 33.4 | 125,828.95 | 2.11 | 446 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 742,546.35 | 3.83 |
| D02015-D02013 | 12 | 313 | 0.006 | 15.1 | 96,072.86 | 1.52 | 598 | 596 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,175,240.73 | 4.21 |
| D05001-D06059 | 8 | 348 | 0.011 | 20 | 78,137.35 | 2.1 | 561 | 557 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 989,528.21 | 5.10 |
| F03137-F03089 | 15 | 182 | 0.005 | 12.1 | 114,801.77 | 1.45 | 527 | 526 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,657,257.22 | 4.72 |
| D02003-D03099 | 15 | 175 | 0.006 | 15.5 | 148,605.28 | 1.61 | 593 | 592 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,729,685.18 | 4.81 |
| D06143-D06141 | 8 | 16 | 0.012 | 18.4 | 64,623.75 | 2.11 | 503.5 | 503.3 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,031,912.36 | 5.32 |
| F18035-F18033 | 12 | 184 | 0.016 | 11 | 79,867.67 | 2.1 | 549 | 546 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,474,691.20 | 6.72 |
| F19011-F19010 | 12 | 204 | 0.031 | 7.8 | 34,824.86 | 2.1 | 570.27 | 563.97 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 4,770,433.46 | 9.23 |
| E10053-E10051 | 12 | 274 | 0.007 | 19.6 | 154,161.23 | 2.1 | 418 | 416 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,324,899.66 | 4.50 |
| J08005-J08003 | 15 | 291 | 0.01 | 16 | 246,418.78 | 2.08 | 401 | 398 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,009,626.32 | 6.46 |
| K11025-K11023 | 15 | 317 | 0.003 | 28.1 | 478,542.08 | 2.1 | 347 | 346 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,771,159.79 | 3.57 |
| E15001-E14021 | 15 | 228 | 0.009 | 18.9 | 260,270.56 | 2.1 | 455 | 453 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,621,029.85 | 5.96 |
| D02055-D02053 | 8 | 125 | 0.024 | 16.6 | 43,676.37 | 2.08 | 606 | 603 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,429,859.71 | 7.37 |
| D06111-D06109 | 8 | 291 | 0.021 | 12.7 | 40,889.82 | 2.13 | 532 | 526 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,325,308.36 | 6.84 |
| G04089-G04087 | 8 | 253 | 0.008 | 31.5 | 158,128.55 | 2.05 | 495 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 820,620.84 | 4.23 |
| K12033-K12031 | 15 | 286 | 0.003 | 32.5 | 597,284.18 | 2.11 | 340 | 339.2 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,609,475.22 | 3.36 |
| D12039-D12037 | 8 | 96 | 0.01 | 21.3 | 93,782.63 | 2.13 | 447 | 446 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 942,002.79 | 4.86 |
| K15033-K15021 | 8 | 31 | 0.008 | 29 | 119,114.95 | 2.12 | 314.25 | 314 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 828,851.95 | 4.27 |
| F11041-F11001 | 8 | 353 | 0.014 | 60.6 | 56,005.14 | 2.12 | 389 | 384.15 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,081,860.65 | 5.58 |
| D08025-D08023 | 10 | 59 | 0.003 | 57.7 | 568,501.85 | 2.13 | 478.32 | 478.15 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 898,282.55 | 2.78 |
| D11007-D11005 | 8 | 251 | 0.008 | 23.2 | 97,225.10 | 2.13 | 446 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 823,883.76 | 4.25 |
| D06061-D06059 | 8 | 248 | 0.016 | 17.9 | 54,997.59 | 2.12 | 561 | 557 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,172,173.67 | 6.05 |
| D12025-D12023 | 8 | 433 | 0.009 | 24.8 | 119,418.62 | 2.13 | 432 | 428 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 887,102.61 | 4.58 |
| D03107-D03105 | 8 | 351 | 0.02 | 15.5 | 65,785.17 | 2.12 | 612 | 605 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,303,416.66 | 6.72 |
| K13039-K13037 | 21 | 315 | 0.003 | 22.2 | 727,408.97 | 2.11 | 324 | 323 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 6,818,842.89 | 4.40 |
| D13101-D13099 | 8 | 289 | 0.166 | 3.9 | 4,029.32 | 2.16 | 505 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,761,486.47 | 19.40 |
| G13085-G13083 | 10 | 116 | 0.009 | 22.5 | 134,753.62 | 2.12 | 384 | 383 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,553,765.64 | 4.81 |
| J14021-J14019 | 8 | 130 | 0.008 | 27.3 | 131,293.04 | 2.13 | 339 | 338 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 809,498.65 | 4.17 |
| E08045-E08043 | 15 | 306 | 0.006 | 18.6 | 282,119.63 | 2.13 | 459 | 457.25 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,731,208.43 | 4.81 |
| E06053-E06041 | 10 | 302 | 0.01 | 18.2 | 115,146.65 | 2.15 | 505 | 502 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,667,906.36 | 5.16 |
| E13029-E13027 | 12 | 199 | 0.005 | 33.6 | 467,654.41 | 2.13 | 430 | 429 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,929,025.46 | 3.73 |
| F16029-F16027 | 12 | 54 | 0.019 | 14.9 | 134,271.88 | 2.09 | 492 | 491 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,703,118.57 | 7.16 |
| E03241-E03239 | 12 | 241 | 0.008 | 3.5 | 1,521.77 | 0.52 | 559 | 557 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,478,968.31 | 4.79 |
| F14105-F14103 | 12 | 212 | 0.009 | 21.6 | 270,056.99 | 2.12 | 434 | 432 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,643,087.65 | 5.11 |
| E16005-E16003 | 15 | 34 | 0.015 | 12.1 | 159,031.14 | 2.11 | 477.5 | 477 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,983,244.40 | 7.71 |
| E02021-E02019 | 8 | 187 | 0.012 | 0 | 0 | 0 | 580.75 | 578.53 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,005,642.20 | 5.19 |
| C10027-C10025 | 8 | 76 | 0.013 | 16.6 | 60,215.25 | 2.16 | 509 | 508 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,058,719.74 | 5.46 |
| D06131-D06125 | 8 | 329 | 0.018 | 14.3 | 45,994.35 | 2.15 | 534 | 528 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,246,423.08 | 6.43 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| F08105-F08103 | 12 | 106 | 0.005 | 34.6 | 446,907.51 | 2.14 | 451.5 | 451 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,868,945.20 | 3.61 |
| D09077-D09075 | 8 | 69 | 0.014 | 17 | 50,589.07 | 2.15 | 452 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,111,125.88 | 5.73 |
| F14113-F14111 | 12 | 205 | 0.01 | 20.9 | 257,803.24 | 2.13 | 446 | 444 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,687,834.76 | 5.20 |
| K11049-K11047 | 15 | 327 | 0.003 | 28.3 | 467,774.38 | 2.16 | 351 | 350 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,728,458.31 | 3.52 |
| J14019-J14017 | 8 | 250 | 0.008 | 26.9 | 130,486.02 | 2.16 | 338 | 336 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 825,529.89 | 4.26 |
| F05105-F05103 | 15 | 314 | 0.006 | 14.5 | 177,767.89 | 1.65 | 506 | 504 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,937,688.64 | 5.08 |
| E04073-E04071 | 8 | 387 | 0.013 | 26.7 | 99,633.79 | 2.15 | 550 | 545 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,049,101.06 | 5.41 |
| E07063-E07061 | 8 | 258 | 0.012 | 20 | 87,070.74 | 2.16 | 489 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 995,264.66 | 5.13 |
| F14103-F14081 | 12 | 205 | 0.01 | 21.6 | 270,856.31 | 2.14 | 432 | 430 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,687,834.76 | 5.20 |
| E07055-E08061 | 8 | 357 | 0.011 | 21.8 | 100,968.03 | 2.16 | 473.91 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 965,922.04 | 4.98 |
| D15071-D15069 | 8 | 144 | 0.125 | 4.3 | 5,883.47 | 2.2 | 508 | 490 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,263,193.40 | 16.83 |
| J06075-J06067 | 10 | 268 | 0.034 | 9.1 | 27,686.38 | 2.17 | 426.53 | 417.47 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 3,076,884.62 | 9.52 |
| D14085-D14083 | 10 | 266 | 0.023 | 10.8 | 55,994.53 | 2.17 | 451 | 445 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,513,328.84 | 7.78 |
| G08067-G08065 | 12 | 41 | 0.005 | 40.9 | 518,808.21 | 2.15 | 441.7 | 441.5 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,900,586.18 | 3.68 |
| F03145-F03143 | 15 | 180 | 0.006 | 12.8 | 114,237.53 | 1.53 | 531 | 530 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,677,519.18 | 4.74 |
| D12023-E12059 | 8 | 404 | 0.01 | 24.8 | 122,906.73 | 2.18 | 428 | 424 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 918,389.95 | 4.74 |
| D05103-D05101 | 8 | 278 | 0.022 | 12.9 | 39,969.67 | 2.18 | 540 | 534 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,355,941.75 | 6.99 |
| E12059-E12057 | 8 | 398 | 0.01 | 24.9 | 125,807.37 | 2.18 | 424 | 420 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 925,286.59 | 4.77 |
| D10083-D10081 | 8 | 347 | 0.027 | 9.7 | 25,806.93 | 2.16 | 479 | 469.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,527,161.17 | 7.88 |
| D09031-D09015 | 8 | 428 | 0.005 | 48.4 | 223,528.92 | 2.2 | 443 | 441 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 630,929.63 | 3.25 |
| E10045-F10073 | 12 | 405 | 0.005 | 30.2 | 282,331.65 | 2.19 | 408 | 406 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,912,282.21 | 3.70 |
| E12039-E12045 | 12 | 182 | 0.005 | 37.3 | 565,065.56 | 2.17 | 419 | 418 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,017,106.38 | 3.90 |
| D10011-D10009 | 12 | 361 | 0.002 | 74.9 | 1,059,154.83 | 2.22 | 432.46 | 431.8 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,163,544.14 | 2.25 |
| F07081-F07079 | 12 | 261 | 0.008 | 21.9 | 249,643.62 | 2.19 | 471 | 469 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,382,095.90 | 4.61 |
| F14055-F14053 | 15 | 14 | 0.014 | 17 | 195,376.84 | 2.17 | 427.2 | 427 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,897,150.06 | 7.60 |
| D11045-D11043 | 8 | 208 | 0.035 | 7.5 | 19,303.88 | 2.2 | 492.05 | 484.82 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,720,779.76 | 8.87 |
| E15009-E15007 | 15 | 289 | 0.01 | 15.1 | 240,242.72 | 2.18 | 461 | 458 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,026,930.78 | 6.48 |
| E09035-E09019 | 15 | 31 | 0.003 | 40.5 | 917,796.74 | 2.19 | 437.73 | 437.64 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,658,469.04 | 3.43 |
| F16015-F16013 | 12 | 244 | 0.012 | 17.8 | 207,718.26 | 2.18 | 483 | 480 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,017,381.42 | 5.84 |
| D13039-D13037 | 10 | 215 | 0.014 | 18.7 | 114,321.58 | 2.19 | 439 | 436 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,976,768.93 | 6.12 |
| F04145-F04141 | 15 | 320 | 0.006 | 14 | 164,063.98 | 1.66 | 520 | 518 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,900,598.13 | 5.03 |
| F16035-F16033 | 12 | 269 | 0.019 | 13 | 134,482.94 | 2.18 | 503 | 498 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,709,995.31 | 7.18 |
| E04069-E04047 | 10 | 326 | 0.009 | 23.4 | 193,085.90 | 2.19 | 543 | 540 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,605,337.45 | 4.97 |
| D06107-D06105 | 8 | 284 | 0.021 | 13.9 | 46,670.75 | 2.21 | 521 | 515 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,341,541.96 | 6.92 |
| F10071-F10069 | 12 | 567 | 0.004 | 36 | 447,995.26 | 2.21 | 404 | 402 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,616,173.44 | 3.13 |
| K12055-K12053 | 8 | 217 | 0.055 | 9.5 | 14,458.21 | 2.16 | 359 | 347 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,170,443.89 | 11.19 |
| K12021-K12019 | 15 | 349 | 0.003 | 36 | 730,601.02 | 2.2 | 337 | 336 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,641,061.33 | 3.41 |
| G15045-G15043 | 8 | 219 | 0.087 | 3.7 | 5,965.20 | 2.18 | 483 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,718,582.71 | 14.02 |
| G12005-G12003 | 15 | 453 | 0.011 | 17 | 172,478.01 | 2.18 | 377 | 372 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,183,547.71 | 6.68 |
| G05097-G05095 | 12 | 350 | 0.009 | 23.6 | 225,633.47 | 2.16 | 485 | 482 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,519,365.07 | 4.87 |
| K12057-K12055 | 8 | 34 | 0.059 | 5.8 | 14,480.47 | 2.22 | 361 | 359 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,238,532.20 | 11.55 |
| E07059-E07057 | 8 | 236 | 0.013 | 20.1 | 88,222.28 | 2.22 | 482 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,040,620.63 | 5.37 |
| F13067-F13065 | 15 | 177 | 0.006 | 26.9 | 587,992.85 | 2.2 | 410 | 409 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,708,553.65 | 4.78 |
| F10073-F10071 | 12 | 543 | 0.004 | 35.2 | 419,012.85 | 2.22 | 406 | 404 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,651,503.81 | 3.19 |
| E10047-E10045 | 12 | 404 | 0.005 | 26 | 282,739.00 | 2.21 | 410 | 408 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,914,647.43 | 3.70 |
| D11043-D11041 | 8 | 76 | 0.037 | 8.4 | 19,223.30 | 2.23 | 484.82 | 482.03 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,768,410.61 | 9.12 |
| E12047-E12011 | 8 | 97 | 0.01 | 42.7 | 143,709.16 | 2.22 | 414 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 937,134.53 | 4.83 |
| E07015-E07013 | 12 | 47 | 0.021 | 9.3 | 55,700.91 | 2.2 | 482 | 481 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,969,315.03 | 7.68 |
| E15007-E15003 | 15 | 196 | 0.01 | 17.3 | 254,744.65 | 2.2 | 458 | 456 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,984,001.47 | 6.43 |
| F12107-F12105 | 18 | 269 | 0.004 | 31.8 | 1,068,986.25 | 2.2 | 400 | 399 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 4,891,758.96 | 4.20 |
| E06017-E06011 | 8 | 310 | 0.013 | 20 | 84,641.67 | 2.23 | 522 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,048,424.00 | 5.41 |
| F12105-F12095 | 18 | 268 | 0.004 | 32 | 1,082,454.37 | 2.2 | 399 | 398 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 4,900,876.87 | 4.21 |
| E12057-E12049 | 8 | 371 | 0.011 | 26.9 | 128,411.59 | 2.22 | 420 | 416 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 958,364.79 | 4.94 |
| G08071-G08069 | 12 | 195 | 0.005 | 42.5 | 515,285.86 | 2.21 | 443 | 442 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,948,709.90 | 3.77 |
| C10007-D10093 | 8 | 240 | 0.017 | 16 | 46,723.31 | 2.23 | 465 | 461 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,191,549.76 | 6.15 |
| F12083-F12081 | 21 | 255 | 0.004 | 28.4 | 1,123,704.55 | 2.2 | 397 | 396 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 7,578,720.15 | 4.89 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| K12067-K12065 | 12 | 309 | 0.01 | 14.5 | 120,751.90 | 2.23 | 348 | 345 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,681,302.95 | 5.19 |
| E15013-E15009 | 15 | 363 | 0.011 | 14.7 | 232,626.85 | 2.21 | 465 | 461 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,179,262.02 | 6.68 |
| C10025-C10023 | 8 | 150 | 0.013 | 17 | 66,920.69 | 2.24 | 508 | 506 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,065,754.50 | 5.50 |
| D10113-D10015 | 8 | 84 | 0.023 | 55.3 | 32,681.23 | 2.24 | 435.72 | 433.78 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,402,649.07 | 7.23 |
| D09021-D09019 | 8 | 359 | 0.006 | 36.9 | 200,485.63 | 2.24 | 449 | 447 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 688,899.04 | 3.55 |
| E09077-E09075 | 15 | 311 | 0.003 | 41.5 | 927,857.23 | 2.22 | 424 | 423 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,797,763.53 | 3.61 |
| F10013-F10011 | 24 | 363 | 0.003 | 30.5 | 1,836,621.60 | 2.2 | 414 | 413 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 9,068,967.40 | 4.53 |
| F16033-F16031 | 12 | 251 | 0.02 | 16.3 | 134,419.33 | 2.19 | 498 | 493 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,840,719.93 | 7.43 |
| F02162-F02161 | 8 | 208 | 0.014 | 10.6 | 0 | 0 | 545.19 | 542.29 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,087,210.56 | 5.61 |
| D10081-D10079 | 8 | 341 | 0.025 | 11.4 | 32,529.79 | 2.26 | 469.5 | 461 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,457,203.08 | 7.52 |
| E10049-E10047 | 12 | 509 | 0.006 | 24.4 | 240,774.49 | 2.25 | 413 | 410 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,089,133.70 | 4.04 |
| H07009-H07007 | 15 | 308 | 0.014 | 14 | 203,432.23 | 2.23 | 435.26 | 431 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,802,573.37 | 7.48 |
| E10051-E10049 | 12 | 489 | 0.006 | 22.4 | 222,025.11 | 2.25 | 416 | 413 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,131,428.14 | 4.12 |
| E14003-E14001 | 15 | 284 | 0.014 | 13 | 192,308.11 | 2.23 | 442 | 438 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,855,473.57 | 7.55 |
| F12095-F12083 | 18 | 259 | 0.004 | 32 | 1,108,715.14 | 2.24 | 398 | 397 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 4,985,300.10 | 4.29 |
| D05125-D05123 | 15 | 343 | 0.006 | 20.8 | 357,852.84 | 1.97 | 564 | 562 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,767,550.98 | 4.86 |
| E04045-E05095 | 10 | 336 | 0.009 | 34.2 | 222,019.08 | 2.25 | 536 | 533 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,581,268.05 | 4.89 |
| F15101-F15099 | 12 | 248 | 0.012 | 18.9 | 233,454.61 | 2.24 | 467 | 464 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,992,948.78 | 5.79 |
| E05031-E05029 | 18 | 325 | 0.003 | 24.8 | 597,807.79 | 1.8 | 520 | 519 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 4,450,404.73 | 3.83 |
| D10071-D10023 | 10 | 332 | 0.003 | 91.7 | 529,989.08 | 2.28 | 437 | 436 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 918,428.74 | 2.84 |
| G09051-G09041 | 8 | 183 | 0.016 | 17.5 | 70,358.43 | 2.25 | 424 | 421 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,181,742.60 | 6.09 |
| J14101-J14099 | 8 | 252 | 0.024 | 15.7 | 41,294.81 | 2.29 | 346 | 340 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,424,174.36 | 7.35 |
| H10013-H10011 | 12 | 465 | 0.008 | 24.1 | 246,365.00 | 2.26 | 391.5 | 388 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,360,869.84 | 4.57 |
| J08009-J08007 | 15 | 295 | 0.014 | 14.3 | 232,871.42 | 2.25 | 408 | 404 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,745,266.61 | 7.41 |
| F05069-F05039 | 21 | 386 | 0.003 | 28.7 | 1,107,598.58 | 1.99 | 502 | 501 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 6,159,880.81 | 3.97 |
| J11029-J11027 | 15 | 176 | 0.006 | 23.3 | 440,522.36 | 2.25 | 376 | 375 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,719,074.39 | 4.80 |
| D04069-D04063 | 15 | 350 | 0.006 | 20.6 | 345,442.46 | 1.98 | 571 | 569 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,729,685.18 | 4.81 |
| F15097-F15095 | 12 | 247 | 0.012 | 19.1 | 239,420.16 | 2.25 | 460 | 457 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,999,001.26 | 5.80 |
| G13095-G13093 | 10 | 102 | 0.01 | 19.3 | 134,645.26 | 2.27 | 389 | 388 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,656,969.15 | 5.13 |
| D04081-D04079 | 8 | 286 | 0.021 | 14.7 | 62,091.42 | 2.26 | 586 | 580 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,336,843.03 | 6.89 |
| D09013-D10071 | 10 | 329 | 0.003 | 54.2 | 524,212.83 | 2.3 | 438 | 437 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 922,606.61 | 2.85 |
| D04033-D04031 | 12 | 279 | 0.025 | 9.1 | 68,012.32 | 2.28 | 614 | 607 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 4,310,338.89 | 8.34 |
| E12003-E12001 | 18 | 249 | 0.004 | 30.8 | 1,048,504.09 | 2.26 | 403 | 402 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 5,084,421.13 | 4.37 |
| F04135-F05113 | 15 | 270 | 0.007 | 14.5 | 166,009.80 | 1.71 | 511 | 509 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,246,433.38 | 5.48 |
| D04027-D04025 | 12 | 275 | 0.022 | 9.7 | 79,350.26 | 2.26 | 600 | 594 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 4,019,516.13 | 7.77 |
| D15003-E15021 | 8 | 296 | 0.027 | 14.6 | 45,779.87 | 2.27 | 475 | 467 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,517,354.11 | 7.83 |
| D09051-D09049 | 8 | 104 | 0.115 | 5.3 | 5,513.47 | 2.31 | 467.4 | 455.4 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,135,174.81 | 16.17 |
| E06011-E06009 | 8 | 318 | 0.013 | 24.3 | 98,119.69 | 2.3 | 518 | 514 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,035,152.28 | 5.34 |
| D10025-D10023 | 8 | 331 | 0.009 | 92.9 | 117,547.65 | 2.3 | 439 | 436 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 878,687.48 | 4.53 |
| F02100-F02099 | 8 | 262 | 0.01 | 19.6 | 68,580.92 | 1.78 | 537.25 | 534.63 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 919,467.73 | 4.74 |
| E08073-E08045 | 8 | 336 | 0.018 | 25.2 | 64,070.73 | 2.29 | 465 | 459 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,233,371.17 | 6.36 |
| E05011-E05001 | 8 | 291 | 0.021 | 17.5 | 52,678.61 | 2.29 | 530 | 524 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,325,308.36 | 6.84 |
| D03061-D03055 | 15 | 145 | 0.007 | 16.6 | 228,489.74 | 1.87 | 588 | 587 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,097,389.01 | 5.28 |
| G09023-G09021 | 8 | 275 | 0.007 | 37.6 | 199,386.50 | 2.29 | 418 | 416 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 787,111.86 | 4.06 |
| E05051-E05049 | 8 | 271 | 0.011 | 25.5 | 120,658.69 | 2.31 | 546 | 543 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 971,099.63 | 5.01 |
| E14021-E14071 | 8 | 246 | 0.008 | 40.5 | 287,154.79 | 2.29 | 453 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 832,214.45 | 4.29 |
| C05017-C05015 | 8 | 198 | 0.066 | 6 | 14,230.81 | 2.31 | 660 | 647 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,364,976.82 | 12.20 |
| G15043-G15041 | 8 | 174 | 0.086 | 3.9 | 7,549.78 | 2.29 | 464 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,709,934.62 | 13.98 |
| D05123-D05121 | 15 | 321 | 0.006 | 20.7 | 365,688.91 | 2.03 | 562 | 560 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,894,517.69 | 5.02 |
| D05057-D05055 | 15 | 184 | 0.016 | 9.8 | 126,571.95 | 2.31 | 587 | 584 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 6,300,034.32 | 8.12 |
| F04147-F04145 | 15 | 143 | 0.008 | 12.5 | 115,742.60 | 1.56 | 521.2 | 520 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,519,743.65 | 5.83 |
| C10017-D10131 | 8 | 336 | 0.012 | 20 | 88,220.02 | 2.32 | 494 | 490 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,007,043.35 | 5.19 |
| K13065-K13063 | 12 | 109 | 0.009 | 17.4 | 155,115.95 | 2.33 | 339 | 338 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,606,461.11 | 5.04 |
| D06125-D06119 | 8 | 340 | 0.018 | 16.5 | 62,848.72 | 2.32 | 528 | 522 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,226,094.58 | 6.32 |
| J12013-J12011 | 21 | 53 | 0.006 | 24.3 | 791,786.34 | 1.38 | 359 | 358.68 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 9,403,792.02 | 6.06 |
| D10021-D10015 | 12 | 300 | 0.002 | 66.1 | 970,253.48 | 2.35 | 434.43 | 433.78 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,266,661.44 | 2.45 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| J14031-J14029 | 8 | 54 | 0.019 | 20.8 | 60,548.64 | 2.32 | 347 | 346 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,256,003.72 | 6.48 |
| E03235-F03161 | 12 | 297 | 0.01 | 5.9 | 18,759.50 | 1.14 | 552 | 549 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,734,934.32 | 5.29 |
| E08061-E08059 | 8 | 364 | 0.014 | 27.1 | 101,251.24 | 2.33 | 470 | 465 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,081,738.08 | 5.58 |
| D04063-D04061 | 15 | 320 | 0.006 | 20.2 | 347,413.86 | 2.03 | 569 | 567 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,900,598.13 | 5.03 |
| E14065-E14063 | 8 | 264 | 0.008 | 44.1 | 322,706.98 | 2.33 | 443 | 441 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 803,342.68 | 4.14 |
| G09041-G09039 | 8 | 66 | 0.015 | 21.9 | 84,880.41 | 2.32 | 421 | 420 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,136,098.12 | 5.86 |
| D09065-D10111 | 12 | 338 | 0.006 | 28.4 | 248,142.53 | 2.34 | 437 | 435 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,093,250.22 | 4.05 |
| F09045-F09015 | 18 | 443 | 0.005 | 26.9 | 852,203.57 | 2.31 | 427 | 425 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 5,390,813.70 | 4.63 |
| E03237-E03235 | 12 | 299 | 0.01 | 6 | 18,873.99 | 1.16 | 555 | 552 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,725,772.03 | 5.27 |
| D09043-D09041 | 8 | 95 | 0.011 | 21.5 | 96,404.91 | 2.36 | 449 | 448 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 946,947.72 | 4.88 |
| K12069-K12067 | 8 | 183 | 0.011 | 22.2 | 104,276.50 | 2.36 | 350 | 348 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 964,888.79 | 4.98 |
| G04091-G04089 | 8 | 286 | 0.01 | 28.7 | 157,940.81 | 2.28 | 498 | 495 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 945,290.77 | 4.88 |
| E15057-E15029 | 8 | 418 | 0.022 | 24.6 | 74,870.86 | 2.33 | 458 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,354,318.84 | 6.98 |
| D12035-D12033 | 8 | 282 | 0.014 | 22 | 93,683.98 | 2.36 | 440 | 436 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,099,241.84 | 5.67 |
| D04029-D04027 | 12 | 170 | 0.024 | 9.6 | 78,303.37 | 2.32 | 604 | 600 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 4,174,169.04 | 8.07 |
| J12059-J12053 | 10 | 76 | 0.026 | 35.6 | 79,899.39 | 2.33 | 361 | 359 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,714,705.42 | 8.40 |
| D04037-D04035 | 12 | 298 | 0.027 | 8.5 | 66,262.47 | 2.35 | 631 | 623 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 4,458,629.24 | 8.62 |
| D08001-E08005 | 15 | 310 | 0.003 | 39.1 | 907,262.26 | 2.35 | 451 | 450 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,802,272.42 | 3.61 |
| E05107-E05105 | 8 | 264 | 0.011 | 26.5 | 134,172.14 | 2.36 | 541 | 538 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 983,889.83 | 5.07 |
| K12019-K13047 | 15 | 283 | 0.004 | 34 | 728,551.73 | 2.35 | 336 | 335 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,932,904.90 | 3.78 |
| D10075-D10073 | 8 | 340 | 0.009 | 26.3 | 131,733.59 | 2.37 | 456 | 453 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 866,979.79 | 4.47 |
| F04137-F04135 | 15 | 252 | 0.008 | 13.4 | 165,819.98 | 1.77 | 513 | 511 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,395,476.14 | 5.67 |
| F04141-F04139 | 15 | 258 | 0.008 | 13.3 | 164,834.51 | 1.78 | 518 | 516 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,344,065.29 | 5.60 |
| E07057-E07055 | 8 | 370 | 0.014 | 21.2 | 100,681.14 | 2.35 | 479 | 473.91 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,082,544.70 | 5.58 |
| D11027-D11025 | 8 | 220 | 0.021 | 14.8 | 45,138.67 | 2.37 | 473.8 | 469.2 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,334,613.10 | 6.88 |
| E12011-E12009 | 15 | 574 | 0.005 | 31.4 | 762,917.61 | 2.35 | 413 | 410 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,566,940.63 | 4.60 |
| G10011-G10009 | 24 | 567 | 0.004 | 28.8 | 1,851,099.65 | 2.32 | 406 | 404 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 10,262,061.70 | 5.12 |
| F15119-F15117 | 12 | 195 | 0.015 | 16.9 | 211,166.79 | 2.33 | 473 | 470 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,375,264.56 | 6.53 |
| F12065-F11017 | 24 | 276 | 0.004 | 28.2 | 1,800,070.21 | 2.34 | 394 | 393 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 10,400,557.33 | 5.19 |
| F16013-F15121 | 12 | 257 | 0.016 | 16.8 | 208,858.00 | 2.34 | 480 | 476 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,394,907.39 | 6.57 |
| H11033-H11025 | 39 | 154 | 0.001 | 41.7 | 8,057,856.81 | 2.29 | 369.19 | 369 | Vitrified Clay Pipe-Circular-39 inch | 8.3 | 22,151,504.79 | 4.13 |
| G08059-G08057 | 12 | 82 | 0.006 | 34.6 | 545,258.86 | 2.36 | 440 | 439.5 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,124,919.95 | 4.11 |
| F15121-F15119 | 12 | 193 | 0.016 | 16.9 | 210,000.26 | 2.34 | 476 | 473 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,392,707.91 | 6.56 |
| D08033-D08031 | 10 | 148 | 0.007 | 29.8 | 265,641.85 | 2.38 | 470 | 469 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,375,573.03 | 4.26 |
| D09045-D09043 | 8 | 91 | 0.011 | 21.4 | 96,565.69 | 2.4 | 450 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 967,535.95 | 4.99 |
| F07065-F07063 | 12 | 334 | 0.009 | 22.5 | 285,624.19 | 2.37 | 463 | 460 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,579,003.27 | 4.99 |
| F07063-F08111 | 12 | 328 | 0.009 | 22.4 | 287,286.46 | 2.38 | 460 | 457 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,602,484.81 | 5.03 |
| F03153-F03151 | 12 | 259 | 0.012 | 7.5 | 24,356.86 | 1.26 | 537 | 534 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,928,702.40 | 5.66 |
| D04031-D04029 | 12 | 121 | 0.025 | 9.5 | 77,797.58 | 2.36 | 607 | 604 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 4,284,818.60 | 8.29 |
| H12009-H12007 | 8 | 145 | 0.007 | 46.7 | 341,341.41 | 2.37 | 366 | 365 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 766,485.26 | 3.95 |
| F05073-F05071 | 21 | 342 | 0.003 | 27.7 | 1,096,996.84 | 2.1 | 504 | 503 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 6,544,144.92 | 4.22 |
| J14023-J14021 | 8 | 164 | 0.012 | 24.8 | 112,304.19 | 2.39 | 341 | 339 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,019,250.38 | 5.26 |
| F10011-F10005 | 24 | 292 | 0.003 | 28.9 | 1,836,394.77 | 2.36 | 413 | 412 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 10,111,596.42 | 5.05 |
| F10001-G10011 | 24 | 558 | 0.004 | 28.7 | 1,844,296.71 | 2.35 | 408 | 406 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 10,344,489.22 | 5.16 |
| F15117-F15101 | 12 | 186 | 0.016 | 17.8 | 212,021.06 | 2.36 | 470 | 467 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,455,959.57 | 6.68 |
| D03083-D03107 | 8 | 286 | 0.028 | 14.7 | 65,941.92 | 2.41 | 620 | 612 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,543,653.37 | 7.96 |
| F03155-F03153 | 12 | 261 | 0.011 | 6.4 | 24,156.31 | 1.27 | 540 | 537 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,917,459.74 | 5.64 |
| D10015-D10013 | 12 | 336 | 0.002 | 72.3 | 1,026,834.39 | 2.43 | 433.78 | 433 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,311,119.15 | 2.54 |
| H12035-H12033 | 12 | 92 | 0.022 | 9 | 66,572.97 | 2.4 | 362 | 360 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 4,012,227.79 | 7.76 |
| C04039-C04037 | 8 | 296 | 0.05 | 7.9 | 26,737.25 | 2.42 | 740.51 | 725.61 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,070,785.36 | 10.68 |
| D17015-D17013 | 15 | 58 | 0.034 | 9 | 89,740.51 | 2.38 | 499 | 497 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 9,162,040.36 | 11.81 |
| J14017-J14015 | 10 | 246 | 0.012 | 18.9 | 130,020.10 | 2.41 | 336 | 333 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,848,023.90 | 5.72 |
| E05053-E05051 | 8 | 260 | 0.015 | 21.5 | 91,907.06 | 2.43 | 550 | 546 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,144,803.98 | 5.90 |
| D08021-D08019 | 10 | 247 | 0.004 | 53.1 | 588,415.92 | 2.42 | 476 | 475 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,064,795.07 | 3.29 |
| D02013-D02011 | 12 | 246 | 0.008 | 17.4 | 133,423.33 | 1.83 | 596 | 594 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,453,646.21 | 4.75 |
| D07105-D07103 | 8 | 277 | 0.018 | 17.3 | 75,478.56 | 2.42 | 508 | 503 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,240,032.09 | 6.40 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| G05089-G06013 | 24 | 866 | 0.003 | 29.1 | 1,628,576.59 | 2.12 | 472.8 | 470.54 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 8,826,863.83 | 4.41 |
| C04023-D04037 | 8 | 336 | 0.027 | 13.5 | 59,055.59 | 2.44 | 640 | 631 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,510,565.02 | 7.79 |
| F10069-F10067 | 12 | 208 | 0.005 | 38.4 | 450,249.69 | 2.43 | 402 | 401 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,886,830.25 | 3.65 |
| E07061-E07059 | 8 | 246 | 0.016 | 19.1 | 87,594.43 | 2.42 | 486 | 482 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,176,928.96 | 6.07 |
| C06017-C06015 | 8 | 273 | 0.029 | 15.2 | 41,615.60 | 2.45 | 547 | 539 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,579,979.59 | 8.15 |
| F11017-F11009 | 24 | 259 | 0.004 | 28 | 1,830,921.20 | 2.39 | 393 | 392 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 10,736,463.97 | 5.36 |
| D04025-D05057 | 12 | 271 | 0.026 | 10.9 | 80,615.79 | 2.4 | 594 | 587 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 4,373,497.40 | 8.46 |
| F14081-F14053 | 12 | 257 | 0.012 | 24.4 | 306,889.14 | 2.4 | 430 | 427 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,940,076.05 | 5.69 |
| G15063-G15061 | 8 | 320 | 0.084 | 4.5 | 10,168.63 | 2.45 | 490 | 463 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,680,986.95 | 13.83 |
| E06041-E06039 | 10 | 323 | 0.012 | 18.6 | 141,334.45 | 2.45 | 502 | 498 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,862,272.56 | 5.76 |
| D05067-D05057 | 8 | 317 | 0.041 | 14 | 36,221.38 | 2.45 | 600 | 587 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,869,088.44 | 9.64 |
| F08095-F08089 | 12 | 144 | 0.007 | 33.2 | 459,363.97 | 2.43 | 448 | 447 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,267,687.74 | 4.39 |
| G14065-G14059 | 8 | 173 | 0.035 | 15.5 | 47,129.40 | 2.41 | 409 | 403 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,718,859.51 | 8.86 |
| E07051-E07049 | 8 | 370 | 0.008 | 40.8 | 226,658.89 | 2.45 | 493 | 490 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 831,089.07 | 4.29 |
| D06011-D06009 | 8 | 284 | 0.014 | 23.7 | 111,335.05 | 2.45 | 532 | 528 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,095,364.43 | 5.65 |
| K11019-K12035 | 15 | 219 | 0.005 | 27.3 | 543,022.15 | 2.45 | 342 | 341 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,334,027.23 | 4.30 |
| E10055-E10053 | 12 | 260 | 0.012 | 16.4 | 147,578.92 | 2.44 | 421 | 418 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,923,064.86 | 5.65 |
| C06055-C06053 | 8 | 160 | 0.1 | 6.4 | 10,106.65 | 2.44 | 604 | 588 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,918,688.90 | 15.05 |
| C05015-C05013 | 8 | 249 | 0.064 | 7 | 18,775.95 | 2.47 | 647 | 631 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,339,635.08 | 12.07 |
| D04035-D04033 | 12 | 295 | 0.031 | 8.5 | 67,280.39 | 2.46 | 623 | 614 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 4,753,075.85 | 9.19 |
| D08027-D08023 | 8 | 37 | 0.077 | 29 | 13,380.88 | 2.44 | 481 | 478.15 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,561,588.56 | 13.21 |
| C01003-D01017 | 8 | 321 | 0.009 | 5.3 | 2,226.41 | 0.66 | 634 | 631 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 892,269.23 | 4.60 |
| F12067-F12065 | 24 | 250 | 0.004 | 27.7 | 1,780,404.58 | 2.43 | 395 | 394 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 10,928,011.64 | 5.45 |
| F11009-F11007 | 24 | 251 | 0.004 | 30 | 1,857,229.97 | 2.43 | 392 | 391 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 10,906,220.96 | 5.44 |
| K12009-K12007 | 8 | 278 | 0.031 | 33.2 | 45,862.51 | 2.45 | 371 | 362.33 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,629,952.54 | 8.41 |
| F13057-F12079 | 15 | 247 | 0.008 | 27.2 | 597,118.33 | 2.43 | 404 | 402 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,439,741.87 | 5.72 |
| E09079-E09077 | 15 | 238 | 0.004 | 38.2 | 924,339.65 | 2.45 | 425 | 424 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,198,178.66 | 4.12 |
| G08049-G09073 | 24 | 339 | 0.003 | 32.5 | 2,143,359.48 | 2.22 | 429 | 428 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 9,384,503.57 | 4.68 |
| D06027-D06025 | 8 | 213 | 0.023 | 19.9 | 59,341.09 | 2.47 | 543 | 538 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,414,109.40 | 7.29 |
| D06057-D06055 | 10 | 272 | 0.011 | 20.4 | 160,514.73 | 2.47 | 550 | 547 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,757,481.18 | 5.44 |
| D01011-D01009 | 8 | 303 | 0.01 | 8.2 | 12,601.90 | 1.09 | 620 | 617 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 918,389.95 | 4.74 |
| C01005-C01003 | 8 | 322 | 0.009 | 3.2 | 1,089.30 | 0.54 | 637 | 634 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 890,882.65 | 4.59 |
| F03089-F03085 | 15 | 112 | 0.009 | 12.1 | 114,775.55 | 1.71 | 526 | 525 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,662,106.48 | 6.01 |
| F03151-F03145 | 12 | 259 | 0.012 | 11.8 | 43,838.37 | 1.57 | 534 | 531 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,928,702.40 | 5.66 |
| D10065-D10025 | 8 | 288 | 0.031 | 17.3 | 33,111.05 | 2.51 | 448 | 439 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,631,596.70 | 8.41 |
| D08015-D08013 | 10 | 304 | 0.003 | 74 | 862,344.88 | 2.5 | 468 | 467 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 959,793.31 | 2.97 |
| D01013-D01011 | 8 | 303 | 0.01 | 8 | 11,496.40 | 1.07 | 623 | 620 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 918,389.95 | 4.74 |
| E09009-E09007 | 18 | 444 | 0.005 | 29.5 | 852,999.85 | 2.47 | 433 | 431 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 5,384,739.54 | 4.63 |
| D14051-D14049 | 8 | 75 | 0.169 | 4.3 | 6,800.83 | 2.4 | 467 | 454.36 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,789,053.28 | 19.54 |
| F15091-F15089 | 12 | 254 | 0.016 | 18.2 | 243,833.80 | 2.47 | 453 | 449 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,414,897.21 | 6.60 |
| E12007-E12005 | 15 | 350 | 0.006 | 35.7 | 843,753.52 | 2.47 | 406 | 404 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,729,685.18 | 4.81 |
| F13065-F13063 | 15 | 250 | 0.008 | 27.2 | 587,759.40 | 2.46 | 409 | 407 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,413,023.02 | 5.69 |
| F08097-F08095 | 12 | 135 | 0.007 | 30.3 | 458,189.15 | 2.49 | 449 | 448 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,342,057.83 | 4.53 |
| F19013-F19011 | 8 | 350 | 0.051 | 8.7 | 29,274.79 | 2.51 | 588 | 570.27 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,077,342.72 | 10.71 |
| F17017-F17015 | 12 | 258 | 0.028 | 14.7 | 110,174.92 | 2.46 | 522.5 | 515.23 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 4,567,955.35 | 8.83 |
| E13025-E13023 | 12 | 377 | 0.008 | 43.3 | 471,138.05 | 2.49 | 427 | 424 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,427,473.24 | 4.69 |
| C04027-C04025 | 8 | 231 | 0.039 | 10.5 | 41,929.55 | 2.5 | 656 | 647 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,821,809.96 | 9.40 |
| F15099-F15097 | 12 | 247 | 0.016 | 18.4 | 236,432.34 | 2.49 | 464 | 460 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,462,948.37 | 6.70 |
| E09037-E09035 | 15 | 306 | 0.004 | 38.7 | 917,341.01 | 2.5 | 439 | 437.73 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,178,574.15 | 4.10 |
| K13045-K13043 | 15 | 228 | 0.004 | 32.1 | 728,708.44 | 2.5 | 334 | 333 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,267,561.54 | 4.21 |
| E04047-E04045 | 10 | 335 | 0.012 | 24.4 | 220,619.53 | 2.51 | 540 | 536 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,828,614.25 | 5.66 |
| F15095-F15091 | 12 | 247 | 0.016 | 18 | 242,085.87 | 2.49 | 457 | 453 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,462,948.37 | 6.70 |
| D03007-D04113 | 15 | 360 | 0.008 | 16.7 | 272,556.06 | 2.12 | 583 | 580 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,504,022.76 | 5.81 |
| J11039-J11035 | 15 | 125 | 0.008 | 25 | 407,495.94 | 2.49 | 378 | 377 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,413,023.02 | 5.69 |
| D09017-D09015 | 8 | 309 | 0.006 | 48.4 | 262,582.43 | 2.54 | 443 | 441 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 742,546.35 | 3.83 |
| K13047-K13045 | 15 | 227 | 0.004 | 32.1 | 727,025.97 | 2.52 | 335 | 334 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,274,750.90 | 4.22 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| D03009-D03007 | 15 | 350 | 0.009 | 16.5 | 261,971.75 | 2.11 | 586 | 583 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,567,912.80 | 5.89 |
| D07103-D07101 | 8 | 272 | 0.018 | 18.5 | 88,060.19 | 2.56 | 503 | 498 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,251,377.54 | 6.45 |
| D07069-D07067 | 8 | 336 | 0.012 | 32.9 | 161,987.26 | 2.55 | 516 | 512 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,007,043.35 | 5.19 |
| D06145-D06143 | 10 | 21 | 0.024 | 12.2 | 64,661.42 | 2.54 | 504 | 503.5 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,582,199.92 | 7.99 |
| F14109-F14107 | 12 | 186 | 0.016 | 18.6 | 260,076.92 | 2.53 | 441 | 438 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,455,959.57 | 6.68 |
| D09071-D09069 | 10 | 346 | 0.012 | 19.3 | 136,373.25 | 2.56 | 446 | 442 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,799,311.91 | 5.57 |
| C04025-C04023 | 8 | 169 | 0.041 | 11.9 | 42,166.36 | 2.55 | 647 | 640 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,878,423.34 | 9.69 |
| F14111-F14109 | 12 | 186 | 0.016 | 18.6 | 258,926.05 | 2.53 | 444 | 441 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,455,959.57 | 6.68 |
| E06001-E07031 | 8 | 225 | 0.009 | 34.8 | 226,159.53 | 2.56 | 501 | 499 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 870,184.91 | 4.49 |
| E05097-E05095 | 8 | 16 | 0.063 | 31.2 | 35,785.45 | 2.56 | 534 | 533 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,307,426.18 | 11.90 |
| J10007-J11041 | 15 | 229 | 0.009 | 19.7 | 392,515.58 | 2.54 | 381 | 379 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,610,929.22 | 5.95 |
| F15089-F14113 | 12 | 184 | 0.016 | 19.7 | 256,960.73 | 2.55 | 449 | 446 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,474,691.20 | 6.72 |
| C04029-C04027 | 8 | 257 | 0.047 | 10 | 37,139.95 | 2.58 | 668 | 656 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,994,398.18 | 10.29 |
| F07067-F07065 | 12 | 272 | 0.011 | 21.9 | 285,097.83 | 2.57 | 466 | 463 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,857,858.18 | 5.53 |
| E07053-E07051 | 8 | 324 | 0.009 | 35.1 | 225,843.85 | 2.59 | 496 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 888,128.75 | 4.58 |
| E09069-E10021 | 18 | 365 | 0.005 | 26.7 | 927,056.17 | 2.56 | 422 | 420 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 5,938,951.17 | 5.10 |
| C04043-C04041 | 8 | 306 | 0.079 | 6.3 | 19,950.90 | 2.56 | 817.84 | 793.54 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,600,939.38 | 13.41 |
| D07099-D07097 | 8 | 252 | 0.016 | 21.4 | 110,929.41 | 2.59 | 493 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,162,833.49 | 6.00 |
| F07079-F07067 | 12 | 261 | 0.011 | 21 | 274,871.75 | 2.58 | 469 | 466 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,917,459.74 | 5.64 |
| F05071-F05069 | 21 | 267 | 0.004 | 27.4 | 1,099,575.98 | 2.27 | 503 | 502 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 7,406,454.01 | 4.77 |
| L13131-L13129 | 10 | 13 | 0.038 | 8 | 42,399.59 | 2.6 | 317.5 | 317 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 3,281,918.82 | 10.16 |
| D08035-D08033 | 10 | 354 | 0.008 | 28.9 | 265,282.66 | 2.6 | 473 | 470 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,540,541.86 | 4.77 |
| D06105-D07105 | 8 | 297 | 0.024 | 15.9 | 69,138.05 | 2.6 | 515 | 508 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,416,963.30 | 7.31 |
| F14107-F14105 | 12 | 243 | 0.016 | 20.1 | 266,768.83 | 2.57 | 438 | 434 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,491,333.67 | 6.75 |
| F08111-F08109 | 12 | 337 | 0.012 | 24.3 | 287,546.15 | 2.58 | 457 | 453 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,964,691.74 | 5.73 |
| D04061-D05125 | 15 | 342 | 0.009 | 19.7 | 347,236.62 | 2.26 | 567 | 564 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,621,029.85 | 5.96 |
| G08061-G08059 | 12 | 127 | 0.008 | 33.4 | 545,202.69 | 2.58 | 441 | 440 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,414,696.97 | 4.67 |
| G13093-G13091 | 10 | 136 | 0.015 | 19.6 | 134,637.48 | 2.61 | 388 | 386 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,029,364.47 | 6.28 |
| G09019-G09017 | 8 | 291 | 0.01 | 55.9 | 208,575.56 | 2.6 | 415 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 937,134.53 | 4.83 |
| F12071-F12069 | 15 | 251 | 0.011 | 40.3 | 598,706.66 | 2.58 | 398 | 395.36 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,060,067.40 | 6.52 |
| F03159-F03157 | 12 | 269 | 0.015 | 6 | 18,564.10 | 1.26 | 545 | 541 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,318,320.68 | 6.42 |
| E14071-E14069 | 8 | 250 | 0.012 | 36.4 | 286,968.14 | 2.61 | 451 | 448 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,011,063.49 | 5.21 |
| D10073-D09021 | 8 | 345 | 0.012 | 31.2 | 140,600.15 | 2.65 | 453 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 993,821.20 | 5.13 |
| G06013-G06011 | 24 | 364 | 0.003 | 26.9 | 1,620,299.27 | 2.29 | 470.54 | 469.27 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 10,206,158.81 | 5.09 |
| F13077-F13075 | 15 | 251 | 0.01 | 23.2 | 568,623.94 | 2.61 | 416 | 413.6 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,824,584.97 | 6.22 |
| F03161-F03159 | 12 | 266 | 0.015 | 5.4 | 18,648.74 | 1.28 | 549 | 545 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,336,980.55 | 6.45 |
| D15073-D15071 | 8 | 173 | 0.243 | 2.9 | 5,887.50 | 2.73 | 550 | 508 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 4,547,674.80 | 23.45 |
| D10131-D10129 | 8 | 336 | 0.018 | 18.2 | 89,076.46 | 2.66 | 490 | 484 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,233,371.17 | 6.36 |
| J12005-J12003 | 33 | 113 | 0.009 | 14.5 | 1,203,733.71 | 2.02 | 357 | 356 | Vitrified Clay Pipe-Circular-33 inch | 5.9 | 37,999,608.87 | 9.97 |
| D07101-D07099 | 8 | 269 | 0.019 | 20 | 100,325.23 | 2.67 | 498 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,258,336.14 | 6.49 |
| E12009-E12007 | 15 | 572 | 0.007 | 31.2 | 810,418.99 | 2.64 | 410 | 406 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,125,942.59 | 5.32 |
| E14067-E14065 | 8 | 264 | 0.011 | 41.5 | 316,005.76 | 2.67 | 446 | 443 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 983,889.83 | 5.07 |
| E06009-E06007 | 8 | 325 | 0.012 | 28.9 | 172,295.86 | 2.68 | 514 | 510 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,023,943.80 | 5.28 |
| D05055-D05053 | 15 | 182 | 0.022 | 10.1 | 148,028.23 | 2.69 | 584 | 580 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 7,314,514.43 | 9.43 |
| E14069-E14067 | 8 | 153 | 0.013 | 37.3 | 286,805.57 | 2.68 | 448 | 446 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,055,254.20 | 5.44 |
| E14061-E14059 | 8 | 269 | 0.011 | 48 | 335,096.29 | 2.69 | 438 | 435 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 974,702.98 | 5.03 |
| F04139-F04137 | 15 | 258 | 0.012 | 12.7 | 165,611.84 | 2.04 | 516 | 513 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,320,371.69 | 6.86 |
| D01009-D01007 | 8 | 309 | 0.013 | 8.1 | 13,983.84 | 1.22 | 617 | 613 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,050,119.11 | 5.42 |
| G10025-G10023 | 12 | 633 | 0.006 | 34.4 | 551,314.37 | 2.69 | 397 | 393 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,163,179.90 | 4.18 |
| D07097-D07091 | 8 | 244 | 0.016 | 22.8 | 123,644.96 | 2.71 | 489 | 485 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,181,742.60 | 6.09 |
| D10029-D10027 | 8 | 254 | 0.024 | 15.7 | 64,975.70 | 2.71 | 452 | 446 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,418,556.29 | 7.32 |
| D01017-D01015 | 8 | 324 | 0.012 | 6.9 | 9,542.46 | 1.12 | 631 | 627 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,025,522.75 | 5.29 |
| F05103-F05037 | 15 | 311 | 0.013 | 21.7 | 177,606.41 | 2.09 | 504 | 500 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,595,527.06 | 7.21 |
| G13099-G13097 | 8 | 211 | 0.028 | 20.9 | 74,053.79 | 2.72 | 396 | 390 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,556,403.52 | 8.03 |
| G08057-G08055 | 12 | 55 | 0.009 | 38.4 | 544,712.64 | 2.71 | 439.5 | 439 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,594,586.51 | 5.02 |
| F07083-F07081 | 10 | 203 | 0.015 | 24.3 | 223,406.89 | 2.73 | 474 | 471 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,034,356.76 | 6.30 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| D11013-D11007 | 8 | 90 | 0.022 | 19.1 | 66,856.52 | 2.75 | 448 | 446 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,375,883.14 | 7.10 |
| E08043-E08039 | 15 | 21 | 0.012 | 21.5 | 283,361.19 | 2.73 | 457.25 | 457 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,383,336.86 | 6.94 |
| L14037-L14021 | 8 | 115 | 0.063 | 47.3 | 26,096.49 | 2.74 | 316 | 308.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,325,414.18 | 11.99 |
| J12035-J12033 | 42 | 177 | 0.002 | 54.3 | 8,992,314.58 | 2.64 | 358 | 357.66 | Vitrified Clay Pipe-Circular-42 inch | 9.6 | 33,679,484.97 | 5.43 |
| F09015-F09013 | 18 | 706 | 0.007 | 24.4 | 882,467.32 | 2.72 | 425 | 420 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 6,751,866.40 | 5.80 |
| G05093-G05091 | 12 | 321 | 0.016 | 28.6 | 243,472.16 | 2.69 | 481 | 476 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,396,229.14 | 6.57 |
| D04079-D04077 | 8 | 59 | 0.034 | 15.8 | 67,659.47 | 2.76 | 580 | 578 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,699,326.38 | 8.76 |
| G10023-G10001 | 12 | 432 | 0.007 | 47.9 | 549,662.17 | 2.74 | 393 | 390 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,267,687.74 | 4.39 |
| G10009-G10007 | 24 | 589 | 0.005 | 30.8 | 1,909,703.28 | 2.71 | 404 | 401 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 12,331,449.62 | 6.15 |
| K11021-K11019 | 15 | 314 | 0.006 | 26.1 | 534,038.97 | 2.76 | 344 | 342 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,937,688.64 | 5.08 |
| G15041-G15039 | 8 | 202 | 0.134 | 4.4 | 8,331.09 | 2.76 | 449 | 422 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,374,380.13 | 17.40 |
| D10023-D10021 | 8 | 357 | 0.004 | 100 | 688,776.00 | 2.82 | 436 | 434.43 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 612,073.43 | 3.16 |
| E07027-E07063 | 8 | 309 | 0.024 | 18.3 | 85,392.49 | 2.77 | 496.3 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,418,632.80 | 7.32 |
| G08073-G08071 | 12 | 105 | 0.01 | 32.5 | 514,902.93 | 2.75 | 444 | 443 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,655,643.96 | 5.14 |
| D04113-D04111 | 15 | 358 | 0.011 | 18.8 | 272,877.50 | 2.31 | 580 | 576 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,215,304.64 | 6.72 |
| E06033-E06025 | 10 | 271 | 0.015 | 24.7 | 177,503.69 | 2.77 | 493 | 489 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,033,105.24 | 6.29 |
| D05041-D05117 | 15 | 398 | 0.008 | 15.2 | 177,957.86 | 1.89 | 558 | 555 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,283,613.62 | 5.52 |
| E13027-E13025 | 12 | 190 | 0.011 | 28.8 | 471,322.74 | 2.76 | 429 | 427 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,791,918.24 | 5.40 |
| D09069-D09067 | 10 | 319 | 0.013 | 26 | 165,505.07 | 2.79 | 442 | 438 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,873,911.87 | 5.80 |
| D01007-D01005 | 8 | 209 | 0.014 | 8 | 14,463.76 | 1.26 | 613 | 610 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,105,796.70 | 5.70 |
| D11041-D11027 | 8 | 199 | 0.041 | 11 | 34,362.10 | 2.78 | 482.03 | 473.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,876,986.66 | 9.68 |
| K11023-K11021 | 15 | 309 | 0.006 | 24.8 | 532,538.14 | 2.79 | 346 | 344 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,969,419.12 | 5.12 |
| D01015-D01013 | 8 | 294 | 0.014 | 7.4 | 10,379.68 | 1.18 | 627 | 623 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,076,574.62 | 5.55 |
| F10003-F10001 | 24 | 363 | 0.006 | 27.1 | 1,838,436.52 | 2.75 | 410 | 408 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 12,825,456.69 | 6.40 |
| D12027-D12025 | 8 | 98 | 0.02 | 22.5 | 117,615.93 | 2.81 | 434 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,318,529.25 | 6.80 |
| E14063-E14061 | 8 | 230 | 0.013 | 39.2 | 322,476.32 | 2.8 | 441 | 438 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,054,106.56 | 5.44 |
| D11019-D10121 | 8 | 259 | 0.023 | 17.5 | 76,985.42 | 2.82 | 464 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,404,796.93 | 7.25 |
| J12033-J12031 | 42 | 340 | 0.002 | 69.3 | 8,990,458.05 | 2.71 | 357.66 | 356.95 | Vitrified Clay Pipe-Circular-42 inch | 9.6 | 35,115,781.02 | 5.66 |
| D10027-D10025 | 8 | 324 | 0.022 | 20.8 | 83,616.65 | 2.82 | 446 | 439 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,356,639.08 | 7.00 |
| C04037-C04035 | 8 | 212 | 0.07 | 7.9 | 30,404.23 | 2.82 | 725.61 | 710.71 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,446,881.91 | 12.62 |
| J11041-J11039 | 15 | 91 | 0.011 | 19.7 | 405,432.12 | 2.79 | 379 | 378 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,172,142.75 | 6.67 |
| D11095-D11093 | 15 | 319 | 0.003 | 50 | 1,380,895.52 | 2.83 | 427 | 426 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,762,459.11 | 3.56 |
| F14053-F14051 | 15 | 255 | 0.012 | 21.6 | 546,307.43 | 2.79 | 427 | 424 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,351,576.48 | 6.90 |
| D06001-D07069 | 8 | 298 | 0.02 | 24 | 124,970.99 | 2.82 | 522 | 516 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,309,650.16 | 6.75 |
| D07091-D07089 | 8 | 373 | 0.016 | 24.7 | 146,066.91 | 2.83 | 485 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,170,601.34 | 6.04 |
| F14049-F13079 | 15 | 249 | 0.012 | 21.7 | 549,684.44 | 2.8 | 422 | 419 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,415,669.50 | 6.98 |
| G11001-H11051 | 39 | 260 | 0.002 | 36.9 | 8,022,423.83 | 2.73 | 373.5 | 373 | Vitrified Clay Pipe-Circular-39 inch | 8.3 | 27,655,729.72 | 5.16 |
| E05147-E05145 | 21 | 423 | 0.005 | 23.8 | 1,030,245.57 | 2.45 | 512 | 510 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 8,321,675.47 | 5.36 |
| E05029-E05027 | 18 | 335 | 0.006 | 22.1 | 598,321.50 | 2.24 | 519 | 517 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 6,199,173.38 | 5.33 |
| G15061-G15059 | 8 | 299 | 0.117 | 5.7 | 11,379.49 | 2.82 | 463 | 428 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,157,811.74 | 16.29 |
| G11009-G11001 | 39 | 260 | 0.002 | 36.9 | 8,015,889.63 | 2.74 | 374 | 373.5 | Vitrified Clay Pipe-Circular-39 inch | 8.3 | 27,655,729.72 | 5.16 |
| E06039-E06033 | 10 | 297 | 0.017 | 19.3 | 164,092.80 | 2.85 | 498 | 493 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,171,307.27 | 6.72 |
| F07085-F07083 | 10 | 56 | 0.018 | 21.5 | 208,606.78 | 2.83 | 475 | 474 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,236,250.73 | 6.92 |
| F10005-F10003 | 24 | 351 | 0.006 | 25.5 | 1,839,825.21 | 2.8 | 412 | 410 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 13,042,852.79 | 6.51 |
| F13079-F13077 | 15 | 252 | 0.012 | 22.5 | 564,510.51 | 2.82 | 419 | 416 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,383,336.86 | 6.94 |
| E10021-E10007 | 18 | 396 | 0.007 | 32.4 | 931,124.95 | 2.83 | 420 | 417.06 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 6,913,011.21 | 5.94 |
| G11019-G11017 | 27 | 614 | 0.003 | 33.2 | 3,217,864.45 | 2.83 | 382 | 380 | Vitrified Clay Pipe-Circular-27 inch | 4 | 13,500,463.90 | 5.22 |
| D11005-D11003 | 8 | 59 | 0.017 | 26.2 | 111,554.51 | 2.88 | 444 | 443 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,201,605.21 | 6.20 |
| H11019-H11017 | 39 | 467 | 0.002 | 35.9 | 8,063,934.89 | 2.76 | 368 | 367 | Vitrified Clay Pipe-Circular-39 inch | 8.3 | 29,182,893.73 | 5.44 |
| C04033-C04031 | 8 | 303 | 0.065 | 8.5 | 35,477.67 | 2.88 | 691.84 | 672 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,361,768.51 | 12.18 |
| J12049-J12037 | 39 | 824 | 0.002 | 36.8 | 8,555,217.84 | 2.77 | 361 | 359.19 | Vitrified Clay Pipe-Circular-39 inch | 8.3 | 29,557,144.55 | 5.51 |
| K12065-K13067 | 12 | 263 | 0.019 | 17 | 134,279.80 | 2.9 | 345 | 340 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,752,075.99 | 7.26 |
| E12001-F12107 | 18 | 254 | 0.008 | 28.9 | 1,058,375.96 | 2.87 | 402 | 400 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 7,119,333.35 | 6.12 |
| L14017-L14015 | 12 | 43 | 0.012 | 38.4 | 917,272.67 | 2.67 | 307.5 | 307 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,934,372.69 | 5.68 |
| F11005-F11003 | 27 | 614 | 0.003 | 32.9 | 3,156,244.13 | 2.86 | 387 | 385 | Vitrified Clay Pipe-Circular-27 inch | 4 | 13,500,463.90 | 5.22 |
| J15007-J15005 | 12 | 73 | 0.014 | 22.4 | 256,110.06 | 2.88 | 329 | 328 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,184,953.29 | 6.16 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| K13043-K13041 | 15 | 300 | 0.007 | 28.8 | 727,576.70 | 2.88 | 333 | 331 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,028,520.42 | 5.19 |
| D09041-D09039 | 8 | 54 | 0.019 | 25.7 | 101,777.33 | 2.91 | 448 | 447 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,256,003.72 | 6.48 |
| E11113-E11111 | 15 | 270 | 0.004 | 47.8 | 1,391,311.20 | 2.91 | 417 | 416 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,002,681.84 | 3.87 |
| D05121-D05119 | 15 | 327 | 0.012 | 21.2 | 365,435.19 | 2.54 | 560 | 556 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,456,916.63 | 7.04 |
| E03239-E03237 | 12 | 106 | 0.019 | 5.5 | 18,906.70 | 1.44 | 557 | 555 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,737,890.40 | 7.23 |
| E05079-E05073 | 10 | 93 | 0.011 | 33.4 | 419,304.66 | 2.91 | 527 | 526 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,735,293.88 | 5.37 |
| E07001-E08041 | 12 | 348 | 0.009 | 30.4 | 508,770.42 | 2.91 | 468 | 465 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,526,594.25 | 4.89 |
| H11015-J11025 | 39 | 633 | 0.002 | 35 | 8,062,825.42 | 2.82 | 365 | 363.5 | Vitrified Clay Pipe-Circular-39 inch | 8.3 | 30,699,448.13 | 5.72 |
| E11119-E11113 | 15 | 267 | 0.004 | 47.7 | 1,391,363.59 | 2.93 | 418 | 417 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,019,503.72 | 3.89 |
| D06055-D06053 | 10 | 233 | 0.017 | 18.9 | 171,264.58 | 2.94 | 547 | 543 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,192,636.02 | 6.79 |
| D10129-D10127 | 8 | 336 | 0.024 | 17 | 90,001.88 | 2.93 | 484 | 476 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,424,174.36 | 7.35 |
| E07039-E07037 | 10 | 444 | 0.009 | 36.1 | 442,311.54 | 2.94 | 479 | 475 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,588,374.91 | 4.92 |
| D10017-D10015 | 8 | 33 | 0.098 | 52.7 | 16,643.80 | 2.98 | 437 | 433.78 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,883,093.81 | 14.87 |
| D09019-D09017 | 8 | 349 | 0.011 | 36.6 | 219,861.79 | 2.97 | 447 | 443 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 988,109.53 | 5.10 |
| D07089-D08035 | 8 | 366 | 0.016 | 30.3 | 169,366.47 | 2.97 | 479 | 473 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,181,742.60 | 6.09 |
| H12015-H12013 | 12 | 59 | 0.034 | 40.2 | 565,319.78 | 3.1 | 366 | 364 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 5,010,181.86 | 9.69 |
| E11131-E11129 | 15 | 259 | 0.004 | 46.9 | 1,371,085.13 | 2.99 | 422 | 421 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,065,782.33 | 3.95 |
| G06011-G06009 | 24 | 330 | 0.005 | 24.5 | 1,616,934.94 | 2.59 | 469.27 | 467.59 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 12,328,459.82 | 6.15 |
| E06003-E06001 | 8 | 218 | 0.014 | 32.9 | 224,789.04 | 3 | 504 | 501 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,082,730.04 | 5.58 |
| E11133-E11131 | 15 | 261 | 0.004 | 47 | 1,374,369.03 | 3 | 423 | 422 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,054,013.45 | 3.94 |
| J11023-J11021 | 39 | 648 | 0.002 | 35.9 | 8,494,859.86 | 2.88 | 363 | 361.46 | Vitrified Clay Pipe-Circular-39 inch | 8.3 | 30,743,949.03 | 5.73 |
| G06009-G06007 | 24 | 334 | 0.005 | 24.3 | 1,614,201.62 | 2.6 | 467.59 | 465.85 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 12,471,323.47 | 6.22 |
| E05087-E05081 | 10 | 173 | 0.012 | 32.6 | 413,714.29 | 2.99 | 531 | 529 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,799,311.91 | 5.57 |
| C04035-C04033 | 8 | 235 | 0.08 | 8.2 | 32,372.54 | 3.01 | 710.71 | 691.84 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,615,410.28 | 13.49 |
| D10009-D10007 | 12 | 280 | 0.004 | 64.3 | 1,252,135.08 | 3.03 | 431.8 | 430.73 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,682,199.00 | 3.25 |
| E07041-E07039 | 10 | 320 | 0.009 | 35.9 | 443,154.94 | 3.01 | 482 | 479 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,620,317.59 | 5.01 |
| D10127-D10125 | 8 | 272 | 0.026 | 16.8 | 90,969.59 | 3.01 | 476 | 469 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,480,649.88 | 7.64 |
| E05073-E05065 | 10 | 257 | 0.012 | 32.9 | 424,058.54 | 3 | 526 | 523 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,808,042.25 | 5.59 |
| G11013-G11011 | 39 | 909 | 0.002 | 35.5 | 7,984,213.46 | 2.92 | 377 | 375 | Vitrified Clay Pipe-Circular-39 inch | 8.3 | 29,581,476.71 | 5.51 |
| F09013-F10013 | 18 | 622 | 0.01 | 31.7 | 884,356.66 | 2.98 | 420 | 414 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 7,879,916.61 | 6.77 |
| C11005-C11003 | 8 | 171 | 0.041 | 11.4 | 47,322.80 | 3.05 | 547 | 540 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,867,406.10 | 9.63 |
| D08007-D08005 | 15 | 309 | 0.006 | 32.4 | 904,558.76 | 3.03 | 456 | 454 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,969,419.12 | 5.12 |
| D04075-D04069 | 15 | 310 | 0.013 | 18.7 | 343,380.03 | 2.65 | 575 | 571 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,604,544.84 | 7.23 |
| D05047-D05045 | 15 | 203 | 0.01 | 12.2 | 156,494.86 | 2.03 | 568 | 566 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,897,316.57 | 6.31 |
| H10015-H10013 | 8 | 19 | 0.026 | 25.4 | 112,811.61 | 3.03 | 392 | 391.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,497,255.82 | 7.72 |
| E07003-E07001 | 12 | 206 | 0.01 | 29.9 | 503,657.00 | 3.04 | 470 | 468 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,681,302.95 | 5.19 |
| F13075-F13067 | 15 | 251 | 0.014 | 24 | 577,438.92 | 3.02 | 413.6 | 410 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,908,885.70 | 7.62 |
| G09013-G10021 | 24 | 400 | 0.005 | 29.8 | 2,354,985.95 | 2.81 | 408 | 406 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 12,217,888.44 | 6.10 |
| C11003-C11001 | 8 | 343 | 0.038 | 11.9 | 54,103.18 | 3.08 | 540 | 527 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,796,852.48 | 9.27 |
| E02019-E02015 | 8 | 221 | 0.033 | 1.2 | 0 | 0 | 578.53 | 571.14 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,687,772.43 | 8.70 |
| D06053-D06025 | 10 | 258 | 0.019 | 19.7 | 178,280.73 | 3.1 | 543 | 538 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,329,644.52 | 7.21 |
| E09023-E09085 | 15 | 93 | 0.011 | 31.3 | 918,010.39 | 3.07 | 432 | 431 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,329,114.35 | 5.58 |
| G07041-G07039 | 24 | 149 | 0.007 | 22.9 | 1,623,109.95 | 2.66 | 451 | 450 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 14,155,265.48 | 7.06 |
| D17023-D17021 | 8 | 17 | 0.235 | 10.4 | 10,308.42 | 3.13 | 514 | 510 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 4,477,064.41 | 23.09 |
| C10031-C10029 | 8 | 55 | 0.036 | 15 | 60,518.28 | 3.11 | 513 | 511 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,760,035.63 | 9.08 |
| F11001-G11019 | 27 | 537 | 0.004 | 32.3 | 3,211,672.96 | 3.07 | 384.15 | 382 | Vitrified Clay Pipe-Circular-27 inch | 4 | 14,967,524.12 | 5.79 |
| E09039-E09037 | 15 | 267 | 0.007 | 34.1 | 917,592.34 | 3.09 | 441 | 439 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,270,223.11 | 5.51 |
| E09085-E09083 | 15 | 253 | 0.008 | 31.1 | 918,997.91 | 3.1 | 431 | 429 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,386,780.83 | 5.66 |
| F14051-F14049 | 15 | 126 | 0.016 | 20.8 | 548,237.11 | 3.09 | 424 | 422 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 6,216,141.97 | 8.01 |
| E05081-E05079 | 10 | 155 | 0.013 | 32.7 | 419,253.93 | 3.11 | 529 | 527 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,900,919.20 | 5.88 |
| E05089-E05087 | 10 | 77 | 0.013 | 32.1 | 413,427.64 | 3.12 | 532 | 531 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,907,081.03 | 5.90 |
| E06007-E06005 | 8 | 194 | 0.015 | 30 | 225,174.31 | 3.15 | 510 | 507 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,147,750.71 | 5.92 |
| H11035-H11033 | 39 | 273 | 0.003 | 37.8 | 8,055,004.22 | 3.02 | 369.92 | 369.19 | Vitrified Clay Pipe-Circular-39 inch | 8.3 | 32,611,209.05 | 6.08 |
| E08005-E08003 | 15 | 268 | 0.007 | 31.3 | 907,407.96 | 3.13 | 450 | 448 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,262,248.83 | 5.50 |
| E07043-E07041 | 10 | 286 | 0.01 | 35.2 | 443,904.95 | 3.15 | 485 | 482 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,713,926.21 | 5.30 |
| E13031-E13029 | 8 | 221 | 0.018 | 42.9 | 334,573.14 | 3.14 | 434 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,241,714.25 | 6.40 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| E06005-E06003 | 8 | 189 | 0.016 | 30.4 | 225,524.30 | 3.17 | 507 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,162,833.49 | 6.00 |
| E09083-E09081 | 15 | 240 | 0.008 | 30.7 | 920,266.72 | 3.14 | 429 | 427 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,504,022.76 | 5.81 |
| F08101-F08099 | 12 | 14 | 0.014 | 31.5 | 453,171.39 | 3.14 | 450 | 449.8 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,252,486.32 | 6.29 |
| D08023-D08021 | 10 | 249 | 0.009 | 47.7 | 581,075.65 | 3.18 | 478.15 | 476 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,555,013.15 | 4.81 |
| K12031-K12029 | 15 | 22 | 0.009 | 24.1 | 598,171.57 | 3.17 | 339.2 | 339 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,704,298.35 | 6.07 |
| G08051-G08049 | 24 | 334 | 0.006 | 29.8 | 2,145,923.60 | 2.86 | 431 | 429 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 13,370,662.22 | 6.67 |
| E09081-E09079 | 15 | 232 | 0.009 | 33.6 | 922,784.38 | 3.17 | 427 | 425 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,581,020.18 | 5.91 |
| E09057-E09009 | 15 | 468 | 0.009 | 30.7 | 836,940.80 | 3.18 | 437 | 433 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,561,401.16 | 5.88 |
| G06007-G06005 | 24 | 273 | 0.006 | 30.8 | 1,611,404.82 | 2.77 | 465.85 | 464.11 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 13,794,452.04 | 6.88 |
| H11039-H11035 | 39 | 260 | 0.003 | 33.6 | 8,050,241.49 | 3.08 | 370.65 | 369.92 | Vitrified Clay Pipe-Circular-39 inch | 8.3 | 33,416,545.36 | 6.23 |
| G08081-G08079 | 12 | 36 | 0.014 | 34.3 | 510,538.61 | 3.17 | 445.29 | 444.78 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,238,905.94 | 6.26 |
| D01005-D01003 | 8 | 232 | 0.022 | 9.1 | 14,699.50 | 1.45 | 610 | 605 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,354,967.31 | 6.99 |
| G05145-G05143 | 24 | 323 | 0.006 | 21.6 | 1,393,323.20 | 2.76 | 484 | 482 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 13,596,429.96 | 6.79 |
| G07037-G08101 | 24 | 396 | 0.008 | 22.2 | 1,626,422.97 | 2.76 | 446 | 443 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 15,039,181.05 | 7.51 |
| G08101-G08099 | 24 | 391 | 0.008 | 22.2 | 1,629,017.29 | 2.76 | 443 | 440 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 15,135,034.03 | 7.55 |
| H11049-H11041 | 39 | 288 | 0.003 | 33.4 | 8,040,472.55 | 3.1 | 371.83 | 371.02 | Vitrified Clay Pipe-Circular-39 inch | 8.3 | 33,445,143.18 | 6.23 |
| E07005-E07003 | 12 | 356 | 0.011 | 28.8 | 500,684.18 | 3.22 | 474 | 470 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,884,493.04 | 5.58 |
| E08035-E08015 | 15 | 472 | 0.008 | 28.7 | 816,503.86 | 3.21 | 449 | 445 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,542,032.06 | 5.86 |
| D10123-D10121 | 8 | 306 | 0.033 | 17.5 | 90,615.71 | 3.23 | 468 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,668,503.39 | 8.61 |
| D08031-D08015 | 10 | 61 | 0.016 | 48.8 | 265,372.65 | 3.24 | 469 | 468 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,142,641.89 | 6.63 |
| E05145-F05077 | 21 | 436 | 0.007 | 22 | 1,061,432.88 | 2.82 | 510 | 507 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 10,038,835.64 | 6.47 |
| D06059-D06057 | 8 | 283 | 0.025 | 23.3 | 140,960.37 | 3.25 | 557 | 550 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,451,588.80 | 7.49 |
| D06023-D06021 | 10 | 268 | 0.015 | 25.5 | 290,319.78 | 3.26 | 532 | 528 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,044,452.89 | 6.33 |
| G11017-G11013 | 27 | 616 | 0.005 | 40.6 | 3,216,355.26 | 3.22 | 380 | 377 | Vitrified Clay Pipe-Circular-27 inch | 4 | 16,507,760.18 | 6.39 |
| C11007-C11005 | 8 | 172 | 0.052 | 10.5 | 44,666.91 | 3.29 | 556 | 547 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,111,275.16 | 10.89 |
| E09059-E09057 | 15 | 442 | 0.009 | 28.8 | 836,030.26 | 3.27 | 441 | 437 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,693,643.07 | 6.05 |
| F05031-F05023 | 24 | 312 | 0.006 | 21.2 | 1,369,750.22 | 2.83 | 497 | 495 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 13,834,034.49 | 6.90 |
| J11021-J12049 | 39 | 144 | 0.003 | 35.1 | 8,555,348.51 | 3.17 | 361.46 | 361 | Vitrified Clay Pipe-Circular-39 inch | 8.3 | 35,643,838.21 | 6.64 |
| E05033-E05031 | 18 | 334 | 0.009 | 21.8 | 587,012.70 | 2.6 | 523 | 520 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 7,603,763.19 | 6.54 |
| H11041-H11039 | 39 | 119 | 0.003 | 33 | 8,045,559.50 | 3.2 | 371.02 | 370.65 | Vitrified Clay Pipe-Circular-39 inch | 8.3 | 35,165,287.73 | 6.56 |
| K12013-J12021 | 21 | 387 | 0.015 | 31.6 | 791,786.34 | 1.96 | 365 | 359.06 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 14,993,523.38 | 9.67 |
| D07081-D07067 | 10 | 130 | 0.015 | 28.7 | 318,034.12 | 3.34 | 514 | 512 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,075,667.71 | 6.42 |
| K12035-K12033 | 15 | 96 | 0.01 | 27.9 | 595,535.83 | 3.36 | 341 | 340 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,035,650.53 | 6.49 |
| E08003-E09043 | 15 | 326 | 0.009 | 29.8 | 912,266.85 | 3.36 | 448 | 445 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,733,071.08 | 6.10 |
| D09015-D09013 | 8 | 347 | 0.009 | 61.6 | 513,203.24 | 3.4 | 441 | 438 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 858,190.49 | 4.43 |
| E08037-E08035 | 15 | 413 | 0.01 | 28.1 | 806,828.37 | 3.37 | 453 | 449 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,855,636.52 | 6.26 |
| D12037-D12035 | 8 | 150 | 0.04 | 17.5 | 93,732.21 | 3.4 | 446 | 440 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,845,940.94 | 9.52 |
| E08039-E08037 | 15 | 413 | 0.01 | 27.5 | 795,054.83 | 3.38 | 457 | 453 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,855,636.52 | 6.26 |
| K12029-K12027 | 15 | 46 | 0.011 | 30.9 | 598,097.99 | 3.38 | 339 | 338.5 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,143,956.48 | 6.63 |
| D10125-D10123 | 8 | 27 | 0.037 | 15.6 | 90,643.99 | 3.38 | 469 | 468 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,776,257.50 | 9.16 |
| C11001-C10031 | 8 | 294 | 0.048 | 12.3 | 60,738.82 | 3.43 | 527 | 513 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,014,086.69 | 10.39 |
| K12015-K12013 | 21 | 181 | 0.017 | 15.5 | 791,786.34 | 2.02 | 368 | 365 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 15,580,712.04 | 10.04 |
| G09015-G09013 | 24 | 294 | 0.007 | 28.6 | 2,359,078.22 | 3.14 | 410 | 408 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 14,251,234.48 | 7.11 |
| C04041-C04039 | 8 | 319 | 0.166 | 6.7 | 22,487.30 | 3.45 | 793.54 | 740.51 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,763,165.16 | 19.41 |
| E07045-E07043 | 10 | 222 | 0.014 | 33.6 | 444,449.79 | 3.46 | 488 | 485 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,945,354.03 | 6.02 |
| G09055-G09017 | 24 | 381 | 0.008 | 26.1 | 2,164,861.44 | 3.12 | 415 | 412 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 15,332,370.06 | 7.65 |
| H11025-H11019 | 39 | 275 | 0.004 | 33.6 | 8,061,188.94 | 3.34 | 369 | 368 | Vitrified Clay Pipe-Circular-39 inch | 8.3 | 38,029,485.25 | 7.09 |
| D11093-E11133 | 15 | 527 | 0.006 | 44.6 | 1,376,156.06 | 3.48 | 426 | 423 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,722,601.25 | 4.80 |
| E08015-E09059 | 15 | 382 | 0.01 | 28.1 | 836,314.79 | 3.46 | 445 | 441 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,048,815.65 | 6.51 |
| D05051-D05049 | 15 | 207 | 0.014 | 11 | 152,261.29 | 2.32 | 574 | 571 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,939,729.32 | 7.66 |
| E11065-E11063 | 15 | 332 | 0.007 | 40.9 | 1,406,276.95 | 3.49 | 406.72 | 404.53 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,007,229.49 | 5.17 |
| E12043-E12025 | 12 | 140 | 0.021 | 59.4 | 565,135.44 | 3.46 | 417 | 414 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,983,465.93 | 7.70 |
| E07033-E07053 | 8 | 91 | 0.022 | 30.9 | 225,016.56 | 3.51 | 498 | 496 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,368,302.46 | 7.06 |
| D08009-D08007 | 10 | 337 | 0.009 | 52.7 | 861,261.75 | 3.53 | 459 | 456 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,578,920.22 | 4.89 |
| E11107-E11073 | 15 | 364 | 0.007 | 40.5 | 1,391,384.24 | 3.54 | 411.67 | 409.23 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,039,572.63 | 5.21 |
| G09017-G09015 | 24 | 267 | 0.007 | 27.2 | 2,359,131.38 | 3.25 | 412 | 410 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 14,954,452.59 | 7.46 |

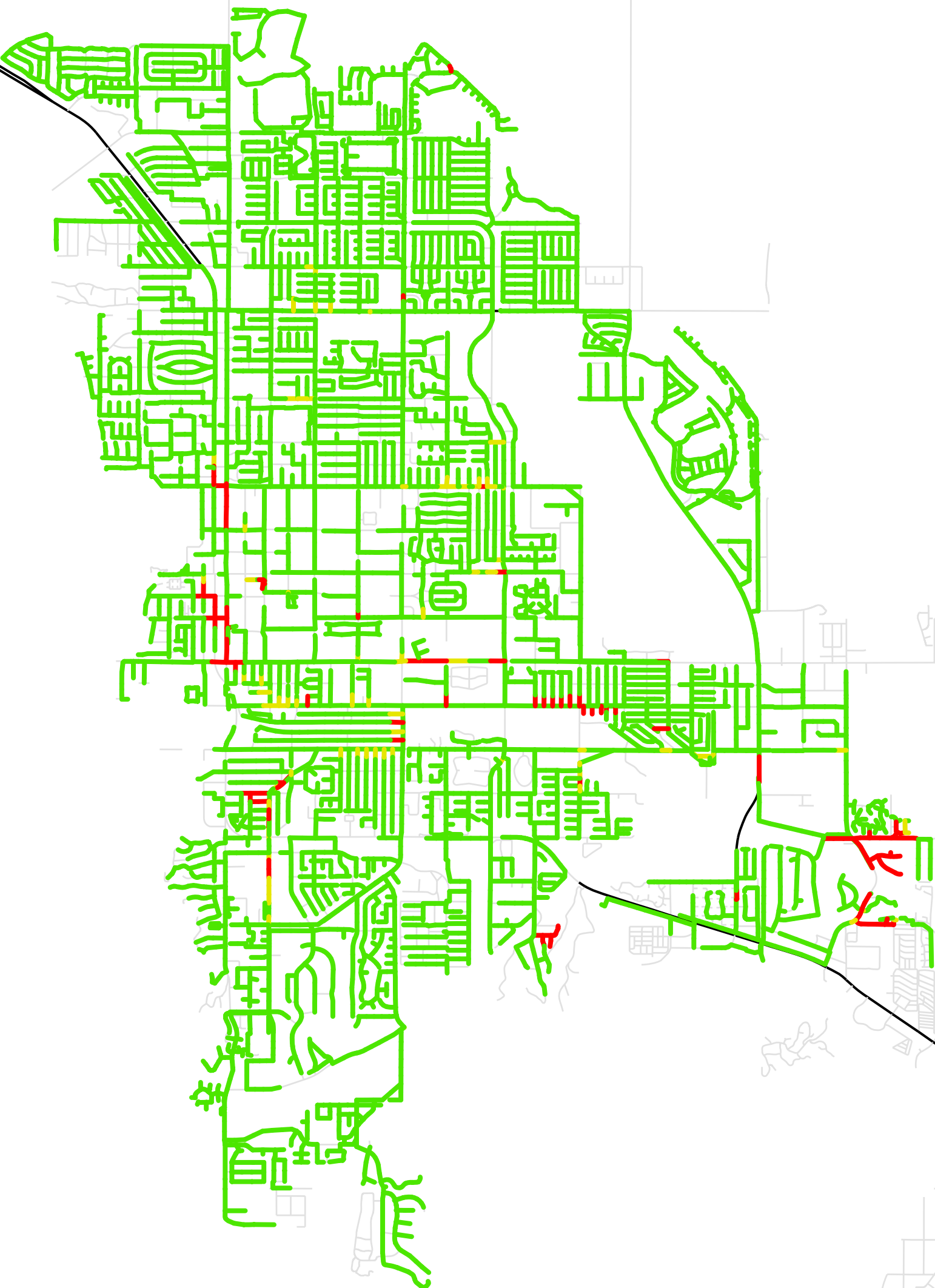
Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| G07039-G07037 | 24 | 397 | 0.01 | 21.4 | 1,624,710.21 | 3.06 | 450 | 446 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 17,343,865.44 | 8.66 |
| E05065-E05027 | 10 | 325 | 0.018 | 35.6 | 431,393.14 | 3.54 | 523 | 517 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,273,780.06 | 7.04 |
| D05045-D05043 | 15 | 194 | 0.015 | 11.1 | 159,721.45 | 2.38 | 566 | 563 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 6,135,514.15 | 7.91 |
| G05141-G05091 | 24 | 348 | 0.009 | 19.9 | 1,391,072.04 | 3.05 | 479 | 476 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 16,042,873.48 | 8.01 |
| D05049-D05047 | 15 | 194 | 0.015 | 11.6 | 155,045.60 | 2.38 | 571 | 568 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 6,135,514.15 | 7.91 |
| F11027-F11025 | 15 | 499 | 0.007 | 40.3 | 1,429,756.40 | 3.56 | 398.6 | 395 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,190,754.08 | 5.40 |
| F05077-F05073 | 21 | 329 | 0.009 | 24.2 | 1,094,666.24 | 3.13 | 507 | 504 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 11,556,561.63 | 7.45 |
| E11061-F11027 | 15 | 494 | 0.007 | 40.2 | 1,415,079.88 | 3.58 | 402.16 | 398.6 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,188,444.10 | 5.40 |
| E07037-E07005 | 10 | 62 | 0.016 | 32.4 | 443,044.80 | 3.58 | 475 | 474 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,125,292.28 | 6.58 |
| E09043-E09039 | 15 | 356 | 0.011 | 29.9 | 913,104.51 | 3.58 | 445 | 441 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,229,933.85 | 6.74 |
| E11063-E11061 | 15 | 327 | 0.007 | 39.9 | 1,402,485.32 | 3.59 | 404.53 | 402.16 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,200,408.18 | 5.42 |
| E05027-E05173 | 21 | 213 | 0.009 | 19.9 | 1,015,650.10 | 3.12 | 517 | 515 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 11,727,114.28 | 7.56 |
| H11017-H11015 | 39 | 474 | 0.004 | 32.5 | 8,063,148.40 | 3.47 | 367 | 365 | Vitrified Clay Pipe-Circular-39 inch | 8.3 | 40,964,968.10 | 7.64 |
| G11011-G11009 | 39 | 263 | 0.004 | 33.8 | 7,987,176.38 | 3.49 | 375 | 374 | Vitrified Clay Pipe-Circular-39 inch | 8.3 | 38,887,401.11 | 7.25 |
| D06019-D06017 | 10 | 318 | 0.019 | 25.2 | 320,889.56 | 3.63 | 527 | 521 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,298,669.71 | 7.11 |
| E11127-E11119 | 15 | 148 | 0.007 | 43.9 | 1,375,607.33 | 3.62 | 419 | 418 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,055,648.81 | 5.23 |
| E11109-E11107 | 15 | 333 | 0.007 | 40.3 | 1,393,556.65 | 3.62 | 414 | 411.67 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,127,119.49 | 5.32 |
| F11025-F11007 | 15 | 520 | 0.008 | 45.7 | 1,429,712.64 | 3.62 | 395 | 391 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,327,325.09 | 5.58 |
| F05017-G05145 | 24 | 340 | 0.009 | 20.7 | 1,392,723.47 | 3.14 | 487 | 484 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 16,230,515.81 | 8.10 |
| D07065-D07063 | 10 | 287 | 0.014 | 34.4 | 501,500.38 | 3.65 | 504 | 500 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,975,620.65 | 6.11 |
| D10005-D11095 | 15 | 317 | 0.006 | 45.5 | 1,381,809.15 | 3.66 | 429 | 427 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,919,011.75 | 5.05 |
| G05143-G05141 | 24 | 324 | 0.009 | 19.7 | 1,392,567.52 | 3.15 | 482 | 479 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 16,626,440.23 | 8.30 |
| F05037-F05031 | 24 | 341 | 0.009 | 20.4 | 1,357,706.54 | 3.16 | 500 | 497 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 16,206,699.92 | 8.09 |
| C04031-C04029 | 8 | 30 | 0.133 | 8.4 | 36,003.55 | 3.72 | 672 | 668 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,370,211.65 | 17.38 |
| E03243-E03241 | 10 | 29 | 0.037 | 2 | 1,523.40 | 0.88 | 560.07 | 559 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 3,214,455.36 | 9.95 |
| D06025-D06023 | 10 | 242 | 0.025 | 23 | 245,651.30 | 3.7 | 538 | 532 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,635,011.11 | 8.15 |
| D06021-D06019 | 10 | 50 | 0.02 | 25.1 | 321,123.26 | 3.71 | 528 | 527 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,366,625.32 | 7.32 |
| D08005-D08003 | 15 | 171 | 0.012 | 27.8 | 905,275.69 | 3.71 | 454 | 452 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,335,905.65 | 6.88 |
| D05043-D05041 | 15 | 284 | 0.018 | 12.4 | 162,196.29 | 2.5 | 563 | 558 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 6,546,618.47 | 8.44 |
| C10023-C10021 | 8 | 159 | 0.057 | 12.2 | 69,493.26 | 3.75 | 506 | 497 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,195,889.59 | 11.33 |
| G10007-G10005 | 30 | 475 | 0.006 | 28 | 4,260,829.32 | 3.53 | 401 | 398 | Vitrified Clay Pipe-Circular-30 inch | 4.9 | 24,897,267.02 | 7.86 |
| E11073-E11065 | 15 | 318 | 0.008 | 39.9 | 1,404,111.63 | 3.74 | 409.23 | 406.72 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,383,434.28 | 5.65 |
| E11111-E11109 | 15 | 258 | 0.008 | 39.5 | 1,393,326.13 | 3.76 | 416 | 414 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,344,065.29 | 5.60 |
| G09069-G09055 | 24 | 395 | 0.01 | 24.5 | 2,136,832.21 | 3.38 | 419 | 415 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 17,387,718.52 | 8.68 |
| F11007-F11005 | 24 | 611 | 0.007 | 34.7 | 3,168,615.72 | 3.75 | 391 | 387 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 13,980,430.46 | 6.98 |
| D08003-D08001 | 15 | 81 | 0.012 | 33.3 | 905,269.75 | 3.77 | 452 | 451 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,482,121.92 | 7.07 |
| J12029-J12001 | 42 | 475 | 0.005 | 27.5 | 8,997,672.12 | 3.64 | 357.4 | 355 | Vitrified Clay Pipe-Circular-42 inch | 9.6 | 54,622,482.26 | 8.80 |
| H11051-H11049 | 39 | 261 | 0.004 | 31.5 | 8,028,816.27 | 3.66 | 373 | 371.83 | Vitrified Clay Pipe-Circular-39 inch | 8.3 | 42,224,009.56 | 7.87 |
| D07061-D07059 | 10 | 397 | 0.015 | 34.8 | 526,885.05 | 3.81 | 497 | 491 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,057,286.99 | 6.37 |
| D07059-D07001 | 10 | 334 | 0.015 | 35 | 539,164.48 | 3.8 | 491 | 486 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,047,511.16 | 6.34 |
| D08011-D08009 | 10 | 366 | 0.011 | 51.1 | 861,214.68 | 3.82 | 463 | 459 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,749,459.78 | 5.41 |
| D10007-D10005 | 12 | 256 | 0.007 | 56.9 | 1,382,645.57 | 3.84 | 430.73 | 429 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,237,008.15 | 4.33 |
| F05019-F05017 | 24 | 299 | 0.01 | 19.4 | 1,373,641.09 | 3.27 | 490 | 487 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 17,307,573.57 | 8.64 |
| E11129-E11127 | 15 | 255 | 0.008 | 39.4 | 1,376,193.04 | 3.83 | 421 | 419 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,369,543.90 | 5.63 |
| D06017-D07081 | 10 | 310 | 0.023 | 25.3 | 319,378.57 | 3.84 | 521 | 514 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,514,679.73 | 7.78 |
| D05053-D05051 | 15 | 320 | 0.019 | 10.7 | 149,329.42 | 2.54 | 580 | 574 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 6,756,034.14 | 8.71 |
| K13035-K13001 | 21 | 166 | 0.018 | 14.5 | 732,471.96 | 3.83 | 322 | 319 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 16,269,437.75 | 10.49 |
| E07031-E07033 | 8 | 34 | 0.029 | 26.5 | 225,116.56 | 3.89 | 499 | 498 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,582,881.30 | 8.16 |
| E05055-E05035 | 18 | 427 | 0.014 | 16.6 | 571,317.46 | 3.05 | 535 | 529 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 9,510,489.63 | 8.17 |
| E08041-E08039 | 12 | 399 | 0.02 | 29.4 | 512,768.46 | 3.91 | 465 | 457 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,853,213.24 | 7.45 |
| F05021-F05019 | 24 | 185 | 0.011 | 18.9 | 1,373,291.76 | 3.37 | 492 | 490 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 17,965,540.46 | 8.97 |
| D10119-D10009 | 8 | 433 | 0.03 | 59.6 | 182,224.22 | 3.94 | 445 | 431.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,611,501.91 | 8.31 |
| E05173-E05147 | 21 | 241 | 0.012 | 21.2 | 1,014,503.02 | 3.43 | 515 | 512 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 13,502,620.67 | 8.70 |
| D08013-D08011 | 10 | 325 | 0.012 | 48.7 | 861,247.81 | 4 | 467 | 463 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,856,533.64 | 5.74 |
| D11001-D10007 | 8 | 284 | 0.04 | 51.6 | 129,110.38 | 4.03 | 442 | 430.73 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,838,614.14 | 9.48 |
| F16025-F16023 | 4 | 13 | 0.077 | 46.5 | 134,205.98 | 3.99 | 490 | 489 | Vitrified Clay Pipe-Circular-4 inch | 0.1 | 403,152.61 | 6.24 |

Existing Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| D08019-D08017 | 10 | 59 | 0.017 | 35.7 | 595,792.74 | 4.04 | 475 | 474 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,178,655.20 | 6.74 |
| G08055-G08053 | 24 | 340 | 0.012 | 22.9 | 2,149,023.36 | 3.65 | 439 | 435 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 18,741,385.34 | 9.35 |
| G11015-G11013 | 33 | 670 | 0.007 | 33.5 | 4,794,416.30 | 3.88 | 382 | 377 | Vitrified Clay Pipe-Circular-33 inch | 5.9 | 34,895,220.67 | 9.15 |
| G08053-G08051 | 24 | 330 | 0.012 | 24.9 | 2,147,414.92 | 3.67 | 435 | 431 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 19,023,226.50 | 9.49 |
| C10021-C10019 | 8 | 27 | 0.074 | 17.3 | 70,750.86 | 4.12 | 497 | 495 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,512,007.45 | 12.96 |
| D07067-D07065 | 10 | 401 | 0.02 | 32.7 | 491,356.91 | 4.14 | 512 | 504 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,363,672.57 | 7.31 |
| D08017-D08015 | 10 | 328 | 0.018 | 54.6 | 600,463.52 | 4.16 | 474 | 468 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,263,357.79 | 7.00 |
| G10021-G10007 | 24 | 399 | 0.013 | 29.3 | 2,354,925.39 | 3.85 | 406 | 401 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 19,342,370.93 | 9.65 |
| G10005-G10003 | 30 | 445 | 0.009 | 25.6 | 4,269,644.73 | 3.98 | 398 | 394 | Vitrified Clay Pipe-Circular-30 inch | 4.9 | 29,702,147.10 | 9.38 |
| G05091-G05089 | 24 | 254 | 0.013 | 24.3 | 1,629,950.18 | 3.69 | 476 | 472.8 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 19,394,084.52 | 9.68 |
| D07001-D08025 | 10 | 388 | 0.02 | 45.5 | 562,692.13 | 4.24 | 486 | 478.32 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,354,394.62 | 7.29 |
| E05035-E05033 | 18 | 332 | 0.018 | 17.3 | 586,543.21 | 3.33 | 529 | 523 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 10,785,685.99 | 9.27 |
| E09023-E09021 | 15 | 156 | 0.019 | 28 | 918,141.37 | 4.25 | 435 | 432 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 6,842,101.74 | 8.82 |
| G09071-G09069 | 24 | 401 | 0.015 | 22.6 | 2,139,681.41 | 3.89 | 425 | 419 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 21,135,600.53 | 10.55 |
| D05115-E05055 | 18 | 422 | 0.019 | 16 | 570,186.87 | 3.4 | 543 | 535 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 11,046,633.79 | 9.50 |
| F11003-F11001 | 27 | 79 | 0.011 | 27.8 | 3,158,320.08 | 4.29 | 385 | 384.15 | Vitrified Clay Pipe-Circular-27 inch | 4 | 24,536,566.88 | 9.49 |
| G10003-G10001 | 30 | 400 | 0.01 | 25.1 | 4,269,098.31 | 4.11 | 394 | 390 | Vitrified Clay Pipe-Circular-30 inch | 4.9 | 31,328,373.98 | 9.89 |
| G08099-G08055 | 24 | 49 | 0.02 | 20.1 | 1,628,939.32 | 3.85 | 440 | 439 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 24,683,862.19 | 12.32 |
| F05023-F05021 | 24 | 188 | 0.016 | 17.8 | 1,371,793.96 | 3.86 | 495 | 492 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 21,826,940.06 | 10.89 |
| D10121-D10119 | 8 | 253 | 0.051 | 20.9 | 166,974.76 | 4.6 | 458 | 445 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,092,180.85 | 10.79 |
| D07063-D07061 | 10 | 110 | 0.027 | 32 | 519,378.51 | 4.68 | 500 | 497 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,763,622.97 | 8.55 |
| J11027-J11025 | 15 | 254 | 0.045 | 35.3 | 440,744.68 | 4.62 | 375 | 363.5 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 10,498,403.52 | 13.54 |
| K11051-K11049 | 15 | 67 | 0.03 | 21.6 | 428,930.03 | 4.7 | 353 | 351 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 8,524,497.66 | 10.99 |
| E09021-E09019 | 15 | 98 | 0.027 | 23.7 | 917,746.12 | 4.79 | 437.64 | 435 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 8,098,043.87 | 10.44 |
| D05117-D05115 | 18 | 439 | 0.027 | 14.6 | 541,068.01 | 3.76 | 555 | 543 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 13,264,764.74 | 11.40 |
| G10001-G11015 | 30 | 670 | 0.012 | 26.4 | 4,784,252.88 | 4.66 | 390 | 382 | Vitrified Clay Pipe-Circular-30 inch | 4.9 | 34,233,038.35 | 10.81 |
| K11053-K11051 | 15 | 197 | 0.036 | 14.9 | 423,678.31 | 4.98 | 360 | 353 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 9,300,517.33 | 11.99 |
| G07043-G07041 | 24 | 300 | 0.036 | 18.9 | 1,603,663.75 | 4.77 | 461.88 | 451 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 32,905,233.23 | 16.42 |
| K13049-K13001 | 12 | 76 | 0.105 | 10.3 | 194,933.62 | 5.59 | 327 | 319 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 8,828,820.67 | 17.08 |
| J12037-J12035 | 42 | 79 | 0.015 | 35.2 | 8,992,709.68 | 5.42 | 359.19 | 358 | Vitrified Clay Pipe-Circular-42 inch | 9.6 | 94,313,215.38 | 15.20 |
| K13041-K13039 | 15 | 142 | 0.049 | 24.2 | 726,298.26 | 5.77 | 331 | 324 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 10,954,587.97 | 14.12 |
| J11025-J11023 | 39 | 30 | 0.017 | 28.9 | 8,494,600.98 | 5.69 | 363.5 | 363 | Vitrified Clay Pipe-Circular-39 inch | 8.3 | 81,416,263.82 | 15.18 |
| F05039-F05037 | 24 | 14 | 0.071 | 15.3 | 1,184,411.10 | 6.3 | 501 | 500 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 46,179,277.65 | 23.05 |
| G09073-G09071 | 24 | 16 | 0.188 | 16.6 | 2,138,552.67 | 9.37 | 428 | 425 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 74,818,981.02 | 37.34 |

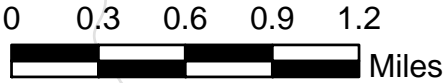
CITY OF PALM SPRINGS 2015 RESULTS WITHOUT PARCEL 4 FLOW



LEGEND

2015 w/o P4 Model Results

- Sufficient Capacity
- Semi-Critical
- Critical
- Freeways
- Streets



2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| J14065-J14063 | 8 | 61 | 0.008 | 0 | 0 | 0 | 339.5 | 339 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 835,618.20 | 4.31 |
| J14063-J14061 | 8 | 119 | 0.008 | 3.6 | 0 | 0 | 339 | 338 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 846,085.64 | 4.36 |
| H14015-H14013 | 8 | 103 | 0.01 | 8 | 0 | 0 | 372 | 371 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 909,429.83 | 4.69 |
| J15035-J15033 | 8 | 286 | 0.007 | 0 | 0 | 0 | 340 | 338 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 771,826.68 | 3.98 |
| J15033-J15031 | 8 | 287 | 0.007 | 1.7 | 0 | 0 | 338 | 336 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 770,480.86 | 3.97 |
| J14047-J14045 | 8 | 162 | 0.012 | 3.2 | 0 | 0 | 344 | 342 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,025,522.75 | 5.29 |
| J14003-J14001 | 8 | 176 | 0.006 | 0 | 0 | 0 | 336 | 335 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 695,715.17 | 3.59 |
| J14001-K14077 | 8 | 279 | 0.007 | 1.1 | 0 | 0 | 335 | 333 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 781,449.11 | 4.03 |
| K11059-K11057 | 8 | 225 | 0.018 | 0 | 0 | 0 | 361 | 357 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,230,627.30 | 6.35 |
| K11057-K11055 | 8 | 275 | 0.015 | 0 | 0 | 0 | 357 | 353 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,113,144.27 | 5.74 |
| K11045-K11043 | 8 | 105 | 0.01 | 0 | 0 | 0 | 361 | 360 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 900,726.95 | 4.65 |
| K11043-K11041 | 8 | 209 | 0.01 | 4.6 | 0 | 0 | 360 | 358 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 902,879.23 | 4.66 |
| K11055-K11031 | 8 | 349 | 0.013 | 33.7 | 0 | 0 | 353 | 348.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,048,048.43 | 5.41 |
| L14001-L13007 | 15 | 316 | 0.003 | 0 | 0 | 0 | 328 | 327 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,775,541.07 | 3.58 |
| L13007-L13005 | 15 | 319 | 0.003 | 0 | 0 | 0 | 327 | 326 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,762,459.11 | 3.56 |
| L13005-L13003 | 15 | 135 | 0.004 | 0 | 0 | 0 | 326 | 325.5 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,002,681.84 | 3.87 |
| L13003-L13001 | 15 | 132 | 0.004 | 1 | 0 | 0 | 325.5 | 325 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,036,611.52 | 3.92 |
| L13011-L13009 | 8 | 123 | 0.008 | 0 | 0 | 0 | 337 | 336 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 832,214.45 | 4.29 |
| L13013-L13009 | 8 | 232 | 0.004 | 0 | 0 | 0 | 337 | 336 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 605,959.80 | 3.13 |
| L13009-K13047 | 8 | 225 | 0.004 | 31.5 | 0 | 0 | 336 | 335 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 615,313.65 | 3.17 |
| L13113-L13111 | 8 | 110 | 0.009 | 0 | 0 | 0 | 330 | 329 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 880,017.82 | 4.54 |
| L13163-L13161 | 8 | 93 | 0.011 | 100 | 0 | 0 | 331 | 330 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 957,075.80 | 4.94 |
| L13161-L13159 | 8 | 196 | 0.005 | 100 | 0 | 0 | 330 | 329 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 659,264.62 | 3.40 |
| L13117-L13109 | 8 | 110 | 0.009 | 41.5 | 0 | 0 | 329 | 328 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 880,017.82 | 4.54 |
| L13069-L13067 | 8 | 107 | 0.009 | 0 | 0 | 0 | 335 | 334 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 892,269.23 | 4.60 |
| L13067-L13043 | 8 | 157 | 0.003 | 4 | 0 | 0 | 334 | 333.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 520,862.37 | 2.69 |
| L13121-L13119 | 8 | 251 | 0.004 | 0 | 0 | 0 | 330 | 329 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 582,573.80 | 3.00 |
| L13115-L13119 | 8 | 128 | 0.008 | 0 | 0 | 0 | 330 | 329 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 815,798.35 | 4.21 |
| L13119-L13107 | 8 | 309 | 0.006 | 100 | 0 | 0 | 329 | 327 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 742,546.35 | 3.83 |
| L13111-L13109 | 8 | 360 | 0.003 | 41.5 | 0 | 0 | 329 | 328 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 486,448.15 | 2.51 |
| L13109-L13107 | 8 | 256 | 0.004 | 100 | 0 | 0 | 328 | 327 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| L13107-L13105 | 8 | 265 | 0.004 | 100 | 0 | 0 | 327 | 326 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 566,976.25 | 2.92 |
| L14087-L14085 | 8 | 173 | 0.006 | 100 | 0 | 0 | 330 | 329 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 701,721.46 | 3.62 |
| L14085-L14083 | 8 | 254 | 0.004 | 100 | 0 | 0 | 329 | 328 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 579,123.18 | 2.99 |
| L13065-L13063 | 8 | 112 | 0.009 | 0 | 0 | 0 | 338 | 337 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 872,125.12 | 4.50 |
| L13063-L13061 | 8 | 121 | 0.002 | 0 | 0 | 0 | 337 | 336.75 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 419,532.03 | 2.16 |
| L13061-L13059 | 8 | 52 | 0.005 | 0 | 0 | 0 | 336.75 | 336.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 639,964.88 | 3.30 |
| L13059-L13057 | 8 | 57 | 0.004 | 0 | 0 | 0 | 336.5 | 336.25 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 611,252.13 | 3.15 |
| L13057-L13055 | 8 | 60 | 0.004 | 0 | 0 | 0 | 336.25 | 336 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 595,774.88 | 3.07 |
| L13055-L13053 | 8 | 91 | 0.005 | 0 | 0 | 0 | 336 | 335.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 684,151.23 | 3.53 |
| L13053-L13051 | 8 | 101 | 0.005 | 0 | 0 | 0 | 335.5 | 335 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 649,399.76 | 3.35 |
| L13071-L13043 | 8 | 190 | 0.003 | 4 | 0 | 0 | 334 | 333.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 473,473.86 | 2.44 |
| L13051-L13047 | 8 | 96 | 0.01 | 4.9 | 0 | 0 | 335 | 334 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 942,002.79 | 4.86 |
| L13075-L13073 | 8 | 132 | 0.008 | 0 | 0 | 0 | 332 | 331 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 803,342.68 | 4.14 |
| L13083-L13081 | 8 | 252 | 0.006 | 0 | 0 | 0 | 334 | 332.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 712,087.18 | 3.67 |
| L13165-L13159 | 8 | 118 | 0.008 | 100 | 0 | 0 | 330 | 329 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 849,663.19 | 4.38 |
| L13091-L13089 | 8 | 118 | 0.008 | 0 | 0 | 0 | 335 | 334 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 849,663.19 | 4.38 |
| L13033-L13031 | 8 | 201 | 0.005 | 3.9 | 0 | 0 | 332 | 331 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 651,013.18 | 3.36 |
| L13077-L13027 | 8 | 156 | 0.006 | 4.3 | 0 | 0 | 331 | 330 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 738,967.79 | 3.81 |
| L13101-L13099 | 8 | 246 | 0.004 | 0 | 0 | 0 | 335 | 334 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 588,464.48 | 3.03 |
| L13099-L13087 | 8 | 111 | 0.005 | 0 | 0 | 0 | 334 | 333.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 619,457.22 | 3.19 |
| L13097-L13095 | 8 | 157 | 0.006 | 0 | 0 | 0 | 336 | 335 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 736,610.63 | 3.80 |
| L13095-L13093 | 8 | 100 | 0.01 | 0 | 0 | 0 | 335 | 334 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 922,970.47 | 4.76 |
| L13093-L13087 | 8 | 110 | 0.005 | 0 | 0 | 0 | 334 | 333.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 622,266.57 | 3.21 |
| L13089-L13087 | 8 | 156 | 0.003 | 0 | 0 | 0 | 334 | 333.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 522,529.13 | 2.69 |
| L13087-L13085 | 8 | 117 | 0.004 | 0 | 0 | 0 | 333.5 | 333 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 603,364.67 | 3.11 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|-------------------------------------|-------------------------------------|----------------|-----------------------------|
| L13085-L13081 | 8 | 112 | 0.004 | 0 | 0 | 0 | 333 | 332.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 616,685.59 | 3.18 |
| L13081-L13079 | 8 | 118 | 0.004 | 0 | 0 | 0 | 332.5 | 332 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 600,802.60 | 3.10 |
| L13073-L13027 | 8 | 128 | 0.008 | 4.3 | 0 | 0 | 331 | 330 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 815,798.35 | 4.21 |
| L13079-L13023 | 8 | 96 | 0.031 | 3.7 | 0 | 0 | 332 | 329 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,631,596.70 | 8.41 |
| L14035-L14033 | 8 | 101 | 0.01 | 2.8 | 0 | 0 | 319 | 318 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 918,389.95 | 4.74 |
| L14061-L14059 | 8 | 75 | 0.005 | 48.2 | 0 | 0 | 314.41 | 314.01 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 674,042.33 | 3.48 |
| L14059-L14057 | 8 | 139 | 0.007 | 100 | 0 | 0 | 314.01 | 313 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 786,757.87 | 4.06 |
| L14077-L14075 | 8 | 214 | 0.012 | 6.8 | 0 | 0 | 316 | 313.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 997,587.33 | 5.14 |
| K15031-K15029 | 8 | 179 | 0.011 | 2.8 | 0 | 0 | 324 | 322 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 975,610.10 | 5.03 |
| K14091-K14089 | 8 | 209 | 0.014 | 6.2 | 0 | 0 | 321 | 318 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,105,796.70 | 5.70 |
| L14073-L14071 | 8 | 132 | 0.001 | 0 | 0 | 0 | 314.13 | 314 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 289,649.32 | 1.49 |
| L14071-L14069 | 8 | 100 | 0.009 | 0 | 0 | 0 | 314 | 313.09 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 880,457.72 | 4.54 |
| L14069-L14067 | 8 | 160 | 0.007 | 1 | 0 | 0 | 313.09 | 312 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 761,800.17 | 3.93 |
| L14067-L14065 | 8 | 119 | 0.001 | 11.8 | 0 | 0 | 312 | 311.87 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 305,060.52 | 1.57 |
| E08001-E09003 | 8 | 345 | 0.006 | 0 | 0 | 0 | 446 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 702,737.71 | 3.62 |
| E09003-E09001 | 8 | 332 | 0.003 | 5 | 0 | 0 | 444 | 443 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 506,545.85 | 2.61 |
| C01057-C01056 | 8 | 0 | 0.02 | 0 | 0 | 0 | 671.8 | 670.79 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,298,863.18 | 6.70 |
| C01058-C01056 | 8 | 190 | 0.005 | 0 | 0 | 0 | 671.76 | 670.79 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 659,472.78 | 3.40 |
| C01056-C01054 | 8 | 148.7 | 0.007 | 0 | 0 | 0 | 670.79 | 669.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 754,874.14 | 3.89 |
| C01054-C01052 | 8 | 250.1 | 0.019 | 0.9 | 0 | 0 | 669.8 | 665.02 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,273,693.39 | 6.57 |
| C01060-C02132 | 8 | 134.8 | 0.004 | 0.6 | 0 | 0 | 673.23 | 672.64 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 612,436.99 | 3.16 |
| B01022-B01020 | 8 | 59 | 0.022 | 0 | 0 | 0 | 695.57 | 694.23 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,379,318.56 | 7.11 |
| B01020-B01018 | 8 | 280 | 0.021 | 0.6 | 0 | 0 | 694.23 | 688.27 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,344,181.08 | 6.93 |
| B01073-B01071 | 8 | 0 | 0.014 | 0 | 0 | 0 | 713.71 | 712.36 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,100,253.83 | 5.67 |
| B01071-B01069 | 8 | 0 | 0.023 | 0 | 0 | 0 | 712.36 | 706.48 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,412,666.38 | 7.29 |
| B01069-B02011 | 8 | 298 | 0.024 | 0 | 0 | 0 | 706.48 | 699.22 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,438,204.10 | 7.42 |
| B02011-B02009 | 8 | 299 | 0.032 | 1.5 | 0 | 0 | 699.22 | 689.61 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,651,919.48 | 8.52 |
| C02095-C02094 | 8 | 122.6 | 0.005 | 0 | 0 | 0 | 673.96 | 673.35 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 649,980.26 | 3.35 |
| B01088-B01086 | 8 | 255.6 | 0.029 | 0.5 | 0 | 0 | 710.27 | 702.85 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,568,278.53 | 8.09 |
| C02099-C02097 | 8 | 0 | 0.014 | 0.6 | 0 | 0 | 672.38 | 668.79 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,074,266.65 | 5.54 |
| C02109-C02107 | 8 | 297.1 | 0.003 | 0 | 0 | 0 | 673.63 | 672.59 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 544,338.29 | 2.81 |
| C02107-C02105 | 8 | 297.1 | 0.004 | 0.9 | 0 | 0 | 672.59 | 671.45 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 566,133.58 | 2.92 |
| B02005-B02003 | 8 | 2,980.00 | 0.01 | 0.9 | 0 | 0 | 685.5 | 682.61 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 907,404.93 | 4.68 |
| C02094-C02092 | 8 | 300 | 0.025 | 0.6 | 0 | 0 | 673.35 | 665.86 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,455,946.67 | 7.51 |
| C01014-C01013 | 8 | 37 | 0.003 | 0 | 0 | 0 | 638.21 | 638.08 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 539,843.26 | 2.78 |
| C01013-C01011 | 8 | 300 | 0.003 | 0 | 0 | 0 | 638.08 | 637.03 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 545,128.90 | 2.81 |
| C01011-C02137 | 8 | 300 | 0.003 | 0.9 | 0 | 0 | 637.03 | 635.98 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 544,225.62 | 2.81 |
| B01044-B01043 | 8 | 167 | 0.01 | 0 | 0 | 0 | 713.97 | 712.38 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 900,592.10 | 4.64 |
| B01043-B01041 | 8 | 0 | 0.029 | 0 | 0 | 0 | 712.38 | 707.54 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,576,000.84 | 8.13 |
| B01041-B01039 | 8 | 300 | 0.023 | 0 | 0 | 0 | 707.54 | 700.63 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,398,439.18 | 7.21 |
| B01039-B01037 | 8 | 224 | 0.019 | 0 | 0 | 0 | 700.63 | 695.57 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,277,794.76 | 6.59 |
| B01037-B01035 | 8 | 0 | 0.002 | 0 | 0 | 0 | 695.57 | 695.41 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 393,555.93 | 2.03 |
| B02028-B02026 | 8 | 0 | 0.008 | 0.8 | 0 | 0 | 685.39 | 684.51 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 844,956.78 | 4.36 |
| B02022-B02020 | 8 | 173 | 0.004 | 0.9 | 0 | 0 | 689.31 | 688.63 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 575,338.24 | 2.97 |
| B01065-B01063 | 8 | 134 | 0.043 | 0 | 0 | 0 | 701.53 | 695.66 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,917,508.97 | 9.89 |
| B01063-B01061 | 8 | 229 | 0.038 | 0 | 0 | 0 | 695.66 | 686.88 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,807,246.22 | 9.32 |
| B01035-B01033 | 8 | 294 | 0.041 | 1.2 | 0 | 0 | 695.41 | 683.4 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,865,458.73 | 9.62 |
| B01061-B01057 | 8 | 136.7 | 0.014 | 0 | 0 | 0 | 686.88 | 685.03 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,076,475.67 | 5.55 |
| B01057-B01055 | 8 | 0 | 0.006 | 0 | 0 | 0 | 685.03 | 684.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 724,563.61 | 3.74 |
| B01055-B01052 | 8 | 0 | 0.008 | 0.9 | 0 | 0 | 684.5 | 683.15 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 815,326.65 | 4.20 |
| C02004-C02003 | 8 | 98 | 0.02 | 10.9 | 0 | 0 | 629 | 627 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,318,529.25 | 6.80 |
| C02116-C02114 | 8 | 300 | 0.024 | 0.9 | 0 | 0 | 647.85 | 640.48 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,444,236.46 | 7.45 |
| E03167-E03165 | 8 | 154 | 0.006 | 0 | 0 | 0 | 569 | 568 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 743,750.80 | 3.84 |
| E03165-E03163 | 8 | 100 | 0.01 | 0 | 0 | 0 | 568 | 567 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 922,970.47 | 4.76 |
| E03163-E03161 | 8 | 206 | 0.01 | 1 | 0 | 0 | 567 | 565 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 909,429.83 | 4.69 |
| E03149-E03147 | 4 | 72 | 0.021 | 2.7 | 0 | 0 | 561 | 559.5 | Vitrified Clay Pipe-Circular-4 inch | 0.1 | 209,807.27 | 3.25 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|-------------------------------------|-------------------------------------|----------------|-----------------------------|
| E03153-E03151 | 8 | 66 | 0.015 | 1.2 | 0 | 0 | 561 | 560 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,136,098.12 | 5.86 |
| D03082-D03081 | 8 | 216 | 0.014 | 0 | 0 | 0 | 620 | 617 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,087,731.13 | 5.61 |
| D03081-D03079 | 8 | 222 | 0.009 | 0.9 | 0 | 0 | 617 | 615 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 876,044.80 | 4.52 |
| D02049-D02047 | 8 | 253 | 0.008 | 2.8 | 0 | 0 | 606 | 604 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 820,620.84 | 4.23 |
| D04055-D04053 | 8 | 291 | 0.01 | 2.9 | 0 | 0 | 583 | 580 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 937,134.53 | 4.83 |
| E04015-E04013 | 6 | 114 | 0.061 | 3.6 | 0 | 0 | 564 | 557 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 1,061,975.35 | 8.22 |
| E03201-E03199 | 8 | 302 | 0.003 | 0 | 0 | 0 | 566 | 565 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 531,109.83 | 2.74 |
| E03199-E03197 | 8 | 101 | 0.005 | 0 | 0 | 0 | 565 | 564.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 649,399.76 | 3.35 |
| E03197-E03195 | 8 | 88 | 0.006 | 1.4 | 0 | 0 | 564.5 | 564 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 695,715.17 | 3.59 |
| E03025-E03023 | 8 | 221 | 0.019 | 0 | 0 | 0 | 556.66 | 552.44 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,275,404.36 | 6.58 |
| E03039-E03037 | 8 | 204 | 0.029 | 0 | 0 | 0 | 562.19 | 556.2 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,581,561.68 | 8.16 |
| E03037-E03035 | 8 | 227 | 0.007 | 0 | 0 | 0 | 556.2 | 554.57 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 782,111.52 | 4.03 |
| E03043-E03041 | 8 | 218 | 0.029 | 0 | 0 | 0 | 561.17 | 554.89 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,566,532.40 | 8.08 |
| E03041-E03033 | 8 | 242 | 0.005 | 0 | 0 | 0 | 554.89 | 553.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 619,431.62 | 3.19 |
| E03023-E03021 | 8 | 209 | 0.004 | 0 | 0 | 0 | 552.44 | 551.62 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 578,124.79 | 2.98 |
| E03035-E03033 | 8 | 253 | 0.003 | 0 | 0 | 0 | 554.57 | 553.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 509,181.84 | 2.63 |
| E03033-E03027 | 8 | 300 | 0.004 | 0 | 0 | 0 | 553.8 | 552.69 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 561,421.02 | 2.90 |
| E03031-E03029 | 8 | 192 | 0.025 | 0 | 0 | 0 | 558.26 | 553.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,453,251.13 | 7.50 |
| E03029-E03027 | 8 | 238 | 0.003 | 0 | 0 | 0 | 553.5 | 552.69 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 538,445.61 | 2.78 |
| E03027-E03021 | 8 | 252 | 0.004 | 0 | 0 | 0 | 552.69 | 551.62 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 601,422.16 | 3.10 |
| E03021-E03019 | 8 | 114 | 0.004 | 0 | 0 | 0 | 551.62 | 551.13 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 605,108.73 | 3.12 |
| E03019-E03017 | 8 | 15 | 0.009 | 0 | 0 | 0 | 551.13 | 551 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 859,238.75 | 4.43 |
| E03017-E03013 | 8 | 108 | 0.005 | 2.3 | 0 | 0 | 551 | 550.46 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 652,638.68 | 3.37 |
| E03171-E03169 | 4 | 122 | 0.012 | 3.7 | 0 | 0 | 558 | 556.5 | Vitrified Clay Pipe-Circular-4 inch | 0.1 | 161,178.41 | 2.49 |
| E03175-E03173 | 8 | 77 | 0.013 | 0 | 0 | 0 | 559 | 558 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,051,822.47 | 5.42 |
| E03173-E03169 | 8 | 299 | 0.005 | 1.9 | 0 | 0 | 558 | 556.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 653,729.14 | 3.37 |
| D04121-D04117 | 6 | 14 | 0.071 | 1.8 | 0 | 0 | 571 | 570 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 1,145,391.16 | 8.86 |
| E05099-E05097 | 8 | 13 | 0.462 | 4.5 | 0 | 0 | 540 | 534 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 6,270,349.61 | 32.34 |
| F04109-F04107 | 8 | 7 | 0.143 | 2.3 | 0 | 0 | 533 | 532 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,488,500.48 | 17.99 |
| G02037-G02035 | 8 | 242 | 0.004 | 0 | 0 | 0 | 512.1 | 511.22 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 556,572.14 | 2.87 |
| G02035-G02033 | 8 | 166 | 0.004 | 0 | 0 | 0 | 511.22 | 510.51 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 603,619.05 | 3.11 |
| G02033-G02031 | 8 | 95 | 0.005 | 7.6 | 0 | 0 | 510.51 | 509.99 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 682,853.71 | 3.52 |
| F03117-F03115 | 8 | 61 | 0.016 | 0 | 0 | 0 | 539 | 538 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,181,742.60 | 6.09 |
| F03115-F03113 | 8 | 187 | 0.005 | 0 | 0 | 0 | 538 | 537 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 674,942.85 | 3.48 |
| F03113-F03111 | 8 | 70 | 0.014 | 0 | 0 | 0 | 537 | 536 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,103,160.71 | 5.69 |
| G02041-G02039 | 8 | 125 | 0.003 | 0 | 0 | 0 | 512.58 | 512.22 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 495,317.93 | 2.55 |
| G02039-G02027 | 8 | 203 | 0.004 | 6 | 0 | 0 | 512.22 | 511.36 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 600,743.41 | 3.10 |
| F02059-F02057 | 8 | 71 | 0.011 | 52 | 0 | 0 | 524.77 | 524 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 961,178.38 | 4.96 |
| F02055-F02053 | 8 | 80 | 0.004 | 0 | 0 | 0 | 538.64 | 538.29 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 610,487.58 | 3.15 |
| G02023-G02021 | 8 | 176 | 0.003 | 6 | 0 | 0 | 512.77 | 512.22 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 515,956.18 | 2.66 |
| G02043-G02017 | 8 | 156 | 0.004 | 5.5 | 0 | 0 | 513.94 | 513.38 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 552,992.86 | 2.85 |
| F02009-F02007 | 8 | 106 | 0.012 | 1.8 | 0 | 0 | 536 | 534.73 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,010,268.32 | 5.21 |
| G02045-G02015 | 8 | 132 | 0.003 | 6 | 0 | 0 | 514.7 | 514.25 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 538,898.65 | 2.78 |
| G02047-G02013 | 8 | 138 | 0.005 | 6 | 0 | 0 | 515.82 | 515.13 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 652,638.68 | 3.37 |
| F02051-F02049 | 8 | 109 | 0.022 | 0.7 | 0 | 0 | 534.71 | 532.27 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,380,923.03 | 7.12 |
| F02053-F01007 | 8 | 258 | 0.004 | 0 | 0 | 0 | 538.29 | 537.24 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 588,806.51 | 3.04 |
| F01007-F01005 | 8 | 109 | 0.019 | 0 | 0 | 0 | 537.24 | 535.12 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,287,189.50 | 6.64 |
| F01005-F01003 | 8 | 134 | 0.011 | 0 | 0 | 0 | 535.12 | 533.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 950,122.45 | 4.90 |
| F01003-F01001 | 8 | 125 | 0.009 | 0 | 0 | 0 | 533.7 | 532.57 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 877,550.31 | 4.53 |
| F01025-F01023 | 8 | 93 | 0.006 | 0 | 0 | 0 | 532.52 | 531.94 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 728,887.21 | 3.76 |
| F01023-F01017 | 8 | 160 | 0.019 | 0 | 0 | 0 | 531.94 | 528.92 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,268,035.14 | 6.54 |
| F01027-F01015 | 8 | 175 | 0.005 | 0 | 0 | 0 | 528.42 | 527.52 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 661,896.43 | 3.41 |
| G02051-G02009 | 8 | 210 | 0.007 | 4.3 | 0 | 0 | 522.35 | 520.97 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 748,200.00 | 3.86 |
| G02049-G02011 | 8 | 144 | 0.004 | 5.4 | 0 | 0 | 517.16 | 516.58 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 585,761.14 | 3.02 |
| F02037-F02035 | 8 | 351 | 0.003 | 1.9 | 0 | 0 | 529.71 | 528.51 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 539,665.77 | 2.78 |
| F02035-F02033 | 8 | 112 | 0.005 | 0 | 0 | 0 | 530.32 | 529.71 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 681,151.49 | 3.51 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|-------------------------------------|-------------------------------------|----------------|-----------------------------|
| F02033-F02031 | 8 | 130 | 0.004 | 0 | 0 | 0 | 530.82 | 530.32 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 572,401.99 | 2.95 |
| F02031-F02029 | 8 | 298 | 0.016 | 0 | 0 | 0 | 535.55 | 530.82 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,162,813.98 | 6.00 |
| F02067-F02015 | 8 | 165 | 0.004 | 0 | 0 | 0 | 536.16 | 535.43 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 613,913.62 | 3.17 |
| F02027-F02025 | 8 | 100 | 0.002 | 0 | 0 | 0 | 536.41 | 536.24 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 380,550.47 | 1.96 |
| F02029-F02025 | 8 | 104 | 0.007 | 0 | 0 | 0 | 536.24 | 535.55 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 751,788.51 | 3.88 |
| F02025-F02023 | 8 | 109 | 0.008 | 0 | 0 | 0 | 537.14 | 536.24 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 838,679.09 | 4.33 |
| F02063-F02019 | 8 | 183 | 0.007 | 0 | 0 | 0 | 538.73 | 537.36 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 798,587.57 | 4.12 |
| F02065-F02017 | 8 | 154 | 0.004 | 0 | 0 | 0 | 537.02 | 536.38 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 595,000.64 | 3.07 |
| F02021-F02019 | 8 | 192 | 0.004 | 0 | 0 | 0 | 538.06 | 537.36 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 557,296.37 | 2.87 |
| F02019-F02017 | 8 | 226 | 0.004 | 0 | 0 | 0 | 537.36 | 536.38 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 607,780.31 | 3.13 |
| F02017-F02015 | 8 | 249 | 0.004 | 0 | 0 | 0 | 536.38 | 535.43 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 570,098.55 | 2.94 |
| F02015-F02013 | 8 | 246 | 0.004 | 0 | 0 | 0 | 535.43 | 534.35 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 611,550.23 | 3.15 |
| F02013-F02011 | 8 | 173 | 0.006 | 0.9 | 0 | 0 | 534.35 | 533.28 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 725,866.32 | 3.74 |
| D01073-D01071 | 8 | 76 | 0.007 | 0 | 0 | 0 | 608.15 | 607.64 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 756,077.13 | 3.90 |
| D01075-D01071 | 8 | 105 | 0.004 | 0 | 0 | 0 | 608.1 | 607.64 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 610,902.74 | 3.15 |
| D01059-D01057 | 8 | 195 | 0.029 | 0 | 0 | 0 | 613.23 | 607.61 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,566,890.54 | 8.08 |
| D01053-D01051 | 8 | 268 | 0.017 | 0 | 0 | 0 | 615.23 | 610.73 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,195,987.57 | 6.17 |
| D01061-D01057 | 8 | 117 | 0.009 | 0 | 0 | 0 | 608.63 | 607.61 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 861,777.13 | 4.44 |
| D01057-D01055 | 8 | 369 | 0.006 | 0 | 0 | 0 | 607.61 | 605.3 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 730,265.21 | 3.77 |
| D01055-E01023 | 8 | 299 | 0.008 | 0 | 0 | 0 | 605.3 | 602.77 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 849,009.35 | 4.38 |
| E01023-E01021 | 8 | 190 | 0.01 | 0 | 0 | 0 | 602.77 | 600.9 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 915,654.87 | 4.72 |
| D01051-D01049 | 8 | 252 | 0.019 | 0 | 0 | 0 | 610.73 | 605.93 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,273,820.27 | 6.57 |
| D01049-E01021 | 8 | 302 | 0.017 | 0 | 0 | 0 | 605.93 | 600.9 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,191,155.14 | 6.14 |
| E01021-E01019 | 8 | 111 | 0.036 | 0 | 0 | 0 | 600.9 | 596.94 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,743,307.15 | 8.99 |
| E01035-E01033 | 8 | 289 | 0.004 | 0 | 0 | 0 | 594.25 | 593.17 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 564,222.97 | 2.91 |
| E01019-E01017 | 8 | 175 | 0.047 | 0 | 0 | 0 | 596.94 | 588.73 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,999,126.89 | 10.31 |
| E03225-E03223 | 8 | 57 | 0.018 | 0 | 0 | 0 | 554 | 553 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,222,504.25 | 6.30 |
| E03223-E03221 | 8 | 104 | 0.01 | 0 | 0 | 0 | 553 | 552 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 905,047.01 | 4.67 |
| E05127-E05125 | 8 | 15 | 0.067 | 1.2 | 0 | 0 | 532 | 531 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,383,099.51 | 12.29 |
| E04155-E04141 | 6 | 125 | 0.024 | 4.5 | 0 | 0 | 535 | 532 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 663,931.79 | 5.14 |
| E04145-E04143 | 6 | 124 | 0.032 | 3.6 | 0 | 0 | 539 | 535 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 769,727.49 | 5.95 |
| E04139-E04137 | 6 | 122 | 0.025 | 5 | 0 | 0 | 533 | 530 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 672,045.31 | 5.20 |
| E02053-E02051 | 8 | 205 | 0.006 | 0 | 0 | 0 | 591.25 | 589.98 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 726,461.72 | 3.75 |
| F02075-F02074 | 8 | 222.9 | 0.007 | 2.6 | 0 | 0 | 539.38 | 537.79 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 767,401.16 | 3.96 |
| E02095-E02094 | 8 | 141 | 0.062 | 0 | 0 | 0 | 562.82 | 556.32 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,296,412.15 | 11.84 |
| E02094-E02092 | 8 | 192 | 0.015 | 0 | 0 | 0 | 556.32 | 552.78 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,132,805.91 | 5.84 |
| E02092-E02088 | 8 | 278 | 0.006 | 0 | 0 | 0 | 552.78 | 551.14 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 702,613.54 | 3.62 |
| E02090-E02088 | 8 | 170 | 0.006 | 0 | 0 | 0 | 552.1 | 551.14 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 685,565.26 | 3.54 |
| E02088-F02196 | 8 | 160 | 0.004 | 9.3 | 0 | 0 | 551.14 | 550.46 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 594,319.99 | 3.07 |
| E03233-E03231 | 8 | 172 | 0.006 | 0 | 0 | 0 | 547 | 546 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 703,758.39 | 3.63 |
| E03231-E03229 | 8 | 79 | 0.013 | 0 | 0 | 0 | 546 | 545 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,038,422.91 | 5.36 |
| D02113-D02111 | 8 | 148 | 0.03 | 0 | 0 | 0 | 598.46 | 594.06 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,591,414.42 | 8.21 |
| E02035-E02033 | 8 | 140 | 0.007 | 0 | 0 | 0 | 569.51 | 568.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 783,942.98 | 4.04 |
| E03205-E03203 | 8 | 138 | 0.036 | 0 | 0 | 0 | 552 | 547 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,756,844.27 | 9.06 |
| E03203-F03127 | 8 | 264 | 0.004 | 0 | 0 | 0 | 547 | 546 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 568,049.06 | 2.93 |
| F03127-F03125 | 8 | 277 | 0.004 | 0 | 0 | 0 | 546 | 545 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 554,559.21 | 2.86 |
| F03125-F03123 | 8 | 305 | 0.016 | 0 | 0 | 0 | 545 | 540 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,181,742.60 | 6.09 |
| F03123-F03121 | 8 | 295 | 0.01 | 0 | 0 | 0 | 540 | 537 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 930,759.39 | 4.80 |
| F03121-F03119 | 8 | 183 | 0.005 | 0 | 0 | 0 | 537 | 536 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 682,279.41 | 3.52 |
| F03111-F03109 | 8 | 108 | 0.009 | 0 | 0 | 0 | 536 | 535 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 888,128.75 | 4.58 |
| F03119-F03109 | 8 | 34 | 0.029 | 0 | 0 | 0 | 536 | 535 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,582,881.30 | 8.16 |
| F03109-F03107 | 8 | 241 | 0.004 | 0 | 0 | 0 | 535 | 534 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 594,537.55 | 3.07 |
| F03107-F03105 | 8 | 273 | 0.004 | 0 | 0 | 0 | 534 | 533 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 558,607.14 | 2.88 |
| F03105-F03103 | 8 | 241 | 0.001 | 0 | 0 | 0 | 533 | 532.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 265,885.27 | 1.37 |
| F02180-F02178 | 8 | 298 | 0.006 | 0 | 0 | 0 | 556.12 | 554.45 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 688,629.17 | 3.55 |
| F02178-F02176 | 8 | 239 | 0.006 | 0 | 0 | 0 | 554.45 | 553.06 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 695,203.84 | 3.59 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|-------------------------------------|-------------------------------------|----------------|-----------------------------|
| F02176-F02175 | 8 | 48 | 0.023 | 0.7 | 0 | 0 | 553.06 | 551.77 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,400,840.37 | 7.22 |
| F02194-F02192 | 8 | 245 | 0.004 | 8.8 | 0 | 0 | 551.05 | 549.88 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 604,226.01 | 3.12 |
| E03221-E03219 | 8 | 43 | 0.023 | 0 | 0 | 0 | 552 | 551 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,407,516.77 | 7.26 |
| E03219-E03217 | 8 | 83 | 0.012 | 0 | 0 | 0 | 551 | 550 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,013,091.71 | 5.22 |
| E03217-E03215 | 8 | 308 | 0.019 | 0 | 0 | 0 | 550 | 544 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,288,214.18 | 6.64 |
| F03135-E03215 | 8 | 337 | 0.003 | 0 | 0 | 0 | 545 | 544 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 502,774.05 | 2.59 |
| E03215-E03213 | 8 | 301 | 0.002 | 0 | 0 | 0 | 544 | 543.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 376,174.68 | 1.94 |
| E03227-E03213 | 8 | 88 | 0.04 | 0 | 0 | 0 | 547 | 543.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,840,689.32 | 9.49 |
| E03213-E03211 | 8 | 72 | 0.007 | 0 | 0 | 0 | 543.5 | 543 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 769,142.06 | 3.97 |
| E03211-E03209 | 8 | 34 | 0.015 | 0 | 0 | 0 | 543 | 542.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,119,266.10 | 5.77 |
| E03209-E03207 | 8 | 69 | 0.007 | 0 | 0 | 0 | 542.5 | 542 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 785,684.64 | 4.05 |
| E03229-E03207 | 8 | 137 | 0.022 | 0 | 0 | 0 | 545 | 542 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,365,803.28 | 7.04 |
| E03207-F03133 | 8 | 262 | 0.004 | 0 | 0 | 0 | 542 | 541 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 570,213.06 | 2.94 |
| F03133-F03131 | 8 | 300 | 0.007 | 0 | 0 | 0 | 541 | 539 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 753,602.23 | 3.89 |
| F03131-F03129 | 8 | 281 | 0.014 | 0 | 0 | 0 | 539 | 535 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,101,196.04 | 5.68 |
| F03103-F03101 | 8 | 45 | 0.007 | 0 | 0 | 0 | 532.8 | 532.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 753,602.23 | 3.89 |
| F03101-F03099 | 8 | 189 | 0.005 | 0 | 0 | 0 | 532.5 | 531.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 671,362.23 | 3.46 |
| F03129-F03099 | 8 | 289 | 0.012 | 0 | 0 | 0 | 535 | 531.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,015,717.44 | 5.24 |
| F03099-F03097 | 8 | 76 | 0.007 | 0 | 0 | 0 | 531.5 | 531 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 748,627.91 | 3.86 |
| F03097-F03095 | 8 | 45 | 0.007 | 0 | 0 | 0 | 531 | 530.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 753,602.23 | 3.89 |
| F03095-F03093 | 8 | 221 | 0.003 | 0 | 0 | 0 | 530.7 | 530 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 519,446.34 | 2.68 |
| F03093-F03091 | 8 | 95 | 0.011 | 0 | 0 | 0 | 530 | 529 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 946,947.72 | 4.88 |
| F01030-F02159 | 8 | 148 | 0.004 | 0.9 | 0 | 0 | 542.25 | 541.62 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 600,157.10 | 3.10 |
| F02096-F02094 | 8 | 306 | 0.002 | 1.4 | 0 | 0 | 544.5 | 544 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 453,615.24 | 2.34 |
| F03091-F03089 | 8 | 237 | 0.013 | 10.6 | 0 | 0 | 529 | 526 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,038,422.91 | 5.36 |
| E04161-E04159 | 8 | 22 | 0.045 | 0.7 | 0 | 0 | 538 | 537 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,967,779.66 | 10.15 |
| F03167-F03165 | 8 | 375 | 0.011 | 0 | 0 | 0 | 530.36 | 526.07 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 987,190.16 | 5.09 |
| F04159-F04157 | 8 | 284 | 0.009 | 0 | 0 | 0 | 527.48 | 524.82 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 893,242.66 | 4.61 |
| F04155-F04153 | 8 | 294 | 0.007 | 0 | 0 | 0 | 525.34 | 523.18 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 791,117.55 | 4.08 |
| F03173-F03171 | 8 | 284 | 0.009 | 0 | 0 | 0 | 531.22 | 528.54 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 896,594.43 | 4.62 |
| F03175-F03169 | 8 | 284 | 0.012 | 0 | 0 | 0 | 530.6 | 527.32 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 991,894.68 | 5.12 |
| F03171-F03169 | 8 | 242 | 0.005 | 0 | 0 | 0 | 528.54 | 527.32 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,329.98 | 3.38 |
| F03169-F03165 | 8 | 186 | 0.007 | 0 | 0 | 0 | 527.32 | 526.07 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 756,634.85 | 3.90 |
| F03165-F04157 | 8 | 237 | 0.005 | 0 | 0 | 0 | 526.07 | 524.82 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 670,299.11 | 3.46 |
| F04157-F04153 | 8 | 242 | 0.007 | 0 | 0 | 0 | 524.82 | 523.18 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 759,804.83 | 3.92 |
| F04153-F04147 | 8 | 224 | 0.009 | 10.8 | 0 | 0 | 523.18 | 521.2 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 867,753.54 | 4.48 |
| F03087-F03085 | 8 | 24 | 0.042 | 13.1 | 0 | 0 | 526 | 525 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,884,005.59 | 9.72 |
| F05101-F05077 | 8 | 20 | 0.05 | 32.4 | 0 | 0 | 508 | 507 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,063,824.72 | 10.64 |
| G05139-G05137 | 8 | 193 | 0.005 | 1.9 | 0 | 0 | 484 | 483 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 664,368.68 | 3.43 |
| F05029-F05025 | 8 | 173 | 0.012 | 1.6 | 0 | 0 | 499 | 497 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 992,384.00 | 5.12 |
| F05027-F05025 | 8 | 161 | 0.006 | 1.6 | 0 | 0 | 498 | 497 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 727,402.63 | 3.75 |
| F05117-F05103 | 8 | 33 | 0.03 | 12 | 0 | 0 | 505 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,606,685.36 | 8.29 |
| F05115-F05113 | 8 | 32 | 0.031 | 15.1 | 0 | 0 | 510 | 509 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,631,596.70 | 8.41 |
| F04111-F04103 | 8 | 126 | 0.032 | 3.4 | 0 | 0 | 532 | 528 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,644,494.90 | 8.48 |
| F04115-F04099 | 6 | 125 | 0.032 | 5.6 | 0 | 0 | 528 | 524 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 766,642.40 | 5.93 |
| F04113-F04101 | 8 | 125 | 0.024 | 3.9 | 0 | 0 | 529 | 526 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,429,859.71 | 7.37 |
| G02001-G03041 | 8 | 294 | 0.006 | 1.3 | 0 | 0 | 512.73 | 510.87 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 734,126.01 | 3.79 |
| D09007-D09005 | 8 | 72 | 0 | 50 | 0 | 0 | 433 | 433 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 0 | 0.00 |
| D09005-D09003 | 8 | 62 | 0 | 50 | 0 | 0 | 433 | 433 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 0 | 0.00 |
| D09003-D09001 | 8 | 52 | 0 | 50 | 0 | 0 | 433 | 433 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 0 | 0.00 |
| D09001-E09033 | 8 | 61 | 0 | 50 | 0 | 0 | 433 | 433 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 0 | 0.00 |
| E09033-E09031 | 8 | 61 | 0 | 50 | 0 | 0 | 433 | 433 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 0 | 0.00 |
| E09031-E09029 | 8 | 63 | 0.016 | 30.7 | 0 | 0 | 433 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,162,833.49 | 6.00 |
| E09029-E09027 | 8 | 57 | 0 | 61.5 | 0 | 0 | 432 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 0 | 0.00 |
| E09027-E09025 | 8 | 63 | 0 | 61.5 | 0 | 0 | 432 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 0 | 0.00 |
| E09025-E09023 | 8 | 56 | 0 | 61.5 | 0 | 0 | 432 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 0 | 0.00 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| C06087-C06085 | 8 | 6 | 0.167 | 0.4 | 0 | 0 | 606 | 605 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,768,011.17 | 19.43 |
| C05031-C05029 | 8 | 102 | 0.01 | 1.6 | 0 | 0 | 692 | 691 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 913,876.95 | 4.71 |
| C07071-C07065 | 6 | 88 | 0.023 | 2 | 0 | 0 | 527 | 525 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 646,087.75 | 5.00 |
| C08019-C08017 | 8 | 45 | 0.102 | 0 | 0 | 0 | 531.25 | 526.67 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,944,518.51 | 15.19 |
| C08017-C08015 | 8 | 309 | 0.024 | 0 | 0 | 0 | 526.67 | 519.28 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,427,351.01 | 7.36 |
| C08015-C08013 | 8 | 106 | 0.015 | 0 | 0 | 0 | 519.28 | 517.72 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,119,688.39 | 5.77 |
| C08013-C08011 | 8 | 134 | 0.02 | 0 | 0 | 0 | 517.72 | 515.1 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,290,583.34 | 6.66 |
| C08011-C08009 | 8 | 309 | 0.012 | 0 | 0 | 0 | 515.1 | 511.53 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 992,070.82 | 5.12 |
| C08009-C08007 | 8 | 47 | 0.018 | 0 | 0 | 0 | 511.53 | 510.69 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,233,895.90 | 6.36 |
| C08007-C08005 | 8 | 81 | 0.009 | 5.3 | 0 | 0 | 510.69 | 510 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 851,863.17 | 4.39 |
| D07107-D07131 | 8 | 277 | 0.014 | 2.3 | 0 | 0 | 503 | 499 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,109,118.42 | 5.72 |
| E09093-E09087 | 8 | 49 | 0 | 61.1 | 0 | 0 | 431 | 431 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 0 | 0.00 |
| E09089-E09087 | 8 | 149 | 0 | 61.1 | 0 | 0 | 431 | 431 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 0 | 0.00 |
| E09091-E09087 | 8 | 6 | 0 | 61.1 | 0 | 0 | 431 | 431 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 0 | 0.00 |
| D06093-D06091 | 8 | 338 | 0.015 | 2.2 | 0 | 0 | 553 | 548 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,122,572.66 | 5.79 |
| D07093-D07091 | 8 | 195 | 0.036 | 12.5 | 0 | 0 | 492 | 485 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,748,716.96 | 9.02 |
| D06147-D06143 | 10 | 24 | 0.021 | 7.1 | 0 | 0 | 504 | 503.5 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,415,426.85 | 7.47 |
| E06073-E06071 | 8 | 9 | 0.111 | 2.4 | 0 | 0 | 518 | 517 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,076,568.24 | 15.87 |
| E08031-E08029 | 15 | 262 | 0.008 | 1.1 | 0 | 0 | 459 | 457 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,310,776.95 | 5.56 |
| E09101-E09099 | 8 | 99 | 0.01 | 2 | 0 | 0 | 429 | 428 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 927,620.23 | 4.78 |
| E10025-E10023 | 8 | 230 | 0.004 | 0 | 0 | 0 | 428 | 427 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 608,588.71 | 3.14 |
| E10023-E09097 | 8 | 287 | 0.007 | 2.7 | 0 | 0 | 427 | 425 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 770,480.86 | 3.97 |
| E10019-E10017 | 15 | 400 | 0.01 | 0 | 0 | 0 | 425 | 421 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,933,909.73 | 6.36 |
| E10017-E10015 | 15 | 402 | 0.002 | 0 | 0 | 0 | 421 | 420 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,460,810.51 | 3.17 |
| E10015-E10013 | 15 | 317 | 0.003 | 1.6 | 0 | 0 | 420 | 419 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,771,159.79 | 3.57 |
| E09067-E09065 | 8 | 231 | 0.013 | 3.3 | 0 | 0 | 425 | 422 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,051,822.47 | 5.42 |
| F09009-F09007 | 8 | 154 | 0.007 | 0 | 0 | 0 | 423 | 421.93 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 769,341.81 | 3.97 |
| F09007-F09005 | 8 | 49 | 0.003 | 3.3 | 0 | 0 | 421.93 | 421.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 475,402.48 | 2.45 |
| E09055-E09053 | 8 | 32 | 0.031 | 2 | 0 | 0 | 445 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,631,596.70 | 8.41 |
| F09073-F09071 | 8 | 217 | 0.009 | 0 | 0 | 0 | 420 | 418 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 886,080.01 | 4.57 |
| F09071-F09069 | 8 | 215 | 0.009 | 0 | 0 | 0 | 418 | 416 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 890,191.77 | 4.59 |
| F09069-F09067 | 8 | 263 | 0.004 | 1.6 | 0 | 0 | 416 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 569,127.97 | 2.94 |
| G11053-G11051 | 8 | 125 | 0.008 | 2.7 | 0 | 0 | 387 | 386 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 825,529.89 | 4.26 |
| H06053-H06051 | 8 | 142 | 0.007 | 1.3 | 0 | 0 | 449 | 448 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 774,539.61 | 3.99 |
| G04067-G04065 | 8 | 15 | 0.033 | 0 | 0 | 0 | 495 | 494.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,685,105.82 | 8.69 |
| G04065-G04063 | 8 | 199 | 0.003 | 2.9 | 0 | 0 | 494.5 | 494 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 462,643.29 | 2.39 |
| G03007-G03005 | 8 | 256 | 0.004 | 0 | 0 | 0 | 495 | 494 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| G03005-G03003 | 8 | 186 | 0.005 | 2.3 | 0 | 0 | 494 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 676,754.78 | 3.49 |
| H06011-H06009 | 8 | 23 | 0.026 | 18 | 0 | 0 | 440 | 439.41 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,478,256.83 | 7.62 |
| D16031-D17011 | 8 | 129 | 0.053 | 0 | 0 | 0 | 633.16 | 626.34 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,122,194.28 | 10.95 |
| E18083-E18081 | 8 | 288 | 0.009 | 0 | 0 | 0 | 539.07 | 536.53 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 866,779.08 | 4.47 |
| E18081-E18079 | 8 | 288 | 0.01 | 0 | 0 | 0 | 536.53 | 533.76 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 905,172.70 | 4.67 |
| E18075-E18073 | 8 | 327 | 0.014 | 0 | 0 | 0 | 545.18 | 540.69 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,081,526.34 | 5.58 |
| E18077-E18055 | 8 | 259 | 0.008 | 4.1 | 0 | 0 | 532 | 529.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 850,646.79 | 4.39 |
| E18085-D18033 | 8 | 304 | 0.006 | 0 | 0 | 0 | 536.94 | 534.99 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 739,210.83 | 3.81 |
| D18033-D18031 | 8 | 298 | 0.007 | 0 | 0 | 0 | 534.99 | 532.93 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 767,384.96 | 3.96 |
| D18031-D18029 | 8 | 298 | 0.007 | 0 | 0 | 0 | 532.93 | 530.71 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 796,629.09 | 4.11 |
| E18073-E18071 | 8 | 315 | 0.015 | 0 | 0 | 0 | 540.69 | 536 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,126,208.89 | 5.81 |
| E18071-E18057 | 8 | 326 | 0.009 | 3.3 | 0 | 0 | 536 | 533.21 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 853,849.07 | 4.40 |
| E18087-D18039 | 8 | 301 | 0.003 | 0 | 0 | 0 | 538 | 537.02 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 526,644.55 | 2.72 |
| D18039-D18037 | 8 | 301 | 0.007 | 0 | 0 | 0 | 537.02 | 534.87 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 780,052.42 | 4.02 |
| D18037-D18035 | 8 | 300 | 0.007 | 0 | 0 | 0 | 534.87 | 532.69 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 786,783.83 | 4.06 |
| D18035-D18029 | 8 | 288 | 0.007 | 0 | 0 | 0 | 532.69 | 530.71 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 765,286.69 | 3.95 |
| E18079-D18027 | 8 | 319 | 0.006 | 0 | 0 | 0 | 533.76 | 531.94 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 697,153.09 | 3.60 |
| D18027-D18025 | 8 | 319 | 0.005 | 0 | 0 | 0 | 531.94 | 530.29 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 663,795.70 | 3.42 |
| D18029-D18023 | 8 | 288 | 0.014 | 0 | 0 | 0 | 530.71 | 526.75 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,082,278.81 | 5.58 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| D18025-D18023 | 8 | 321 | 0.011 | 0 | 0 | 0 | 530.29 | 526.75 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 969,252.48 | 5.00 |
| D18023-D18021 | 8 | 284 | 0.007 | 0 | 0 | 0 | 526.75 | 524.9 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 744,928.35 | 3.84 |
| E18053-E18051 | 8 | 130 | 0.014 | 3.1 | 0 | 0 | 530 | 528.15 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,101,037.21 | 5.68 |
| D18021-D18019 | 8 | 152 | 0.007 | 0 | 0 | 0 | 524.9 | 523.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 785,167.57 | 4.05 |
| D18041-D18019 | 8 | 74 | 0.029 | 0 | 0 | 0 | 525.97 | 523.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,580,526.62 | 8.15 |
| D18019-D18013 | 8 | 204 | 0.014 | 4.2 | 0 | 0 | 523.8 | 520.93 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,094,746.77 | 5.65 |
| D17065-D17063 | 12 | 144 | 0.021 | 0 | 0 | 0 | 521 | 518 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,927,750.38 | 7.60 |
| D17063-D17061 | 8 | 97 | 0.031 | 0 | 0 | 0 | 518 | 515 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,623,164.62 | 8.37 |
| D17061-D17059 | 8 | 20 | 0.188 | 13.2 | 0 | 0 | 515 | 511.25 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,996,579.38 | 20.61 |
| D17025-D17023 | 12 | 193 | 0.031 | 1.2 | 0 | 0 | 520 | 514 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 4,798,013.53 | 9.28 |
| D17053-D17047 | 8 | 205 | 0.022 | 2.5 | 0 | 0 | 545.31 | 540.87 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,358,320.83 | 7.01 |
| D17011-D17009 | 8 | 198 | 0.09 | 0 | 0 | 0 | 626.34 | 608.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,770,464.80 | 14.29 |
| D17009-D17007 | 8 | 41 | 0.085 | 0 | 0 | 0 | 608.5 | 605 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,696,683.02 | 13.91 |
| D17007-D17005 | 8 | 51 | 0.078 | 0 | 0 | 0 | 605 | 601.03 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,575,122.97 | 13.28 |
| D17005-D17003 | 8 | 61 | 0.174 | 0 | 0 | 0 | 601.03 | 590.44 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,845,659.86 | 19.83 |
| D17043-D17041 | 8 | 112 | 0.223 | 0 | 0 | 0 | 581.6 | 556.61 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 4,359,753.39 | 22.49 |
| D17055-D17027 | 8 | 239 | 0.021 | 3.1 | 0 | 0 | 525 | 520 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,334,977.23 | 6.89 |
| D17029-D17027 | 8 | 226 | 0.022 | 3.1 | 0 | 0 | 525 | 520 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,372,835.78 | 7.08 |
| D17039-D17037 | 8 | 215 | 0.008 | 0.6 | 0 | 0 | 539.13 | 537.33 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 844,510.06 | 4.36 |
| D17041-D17037 | 8 | 324 | 0.06 | 0.6 | 0 | 0 | 556.61 | 537.33 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,251,483.75 | 11.61 |
| D17035-D17033 | 8 | 217 | 0.003 | 2.1 | 0 | 0 | 528.6 | 527.95 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 505,143.33 | 2.61 |
| D17003-D17001 | 8 | 110 | 0.231 | 0 | 0 | 0 | 590.44 | 565 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 4,438,640.98 | 22.89 |
| D17001-D16029 | 8 | 171 | 0.173 | 0 | 0 | 0 | 565 | 535.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,833,546.72 | 19.77 |
| D16027-D16025 | 8 | 193 | 0.09 | 0 | 0 | 0 | 550.86 | 533.48 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,769,708.34 | 14.28 |
| D16025-D16023 | 8 | 114 | 0.017 | 0 | 0 | 0 | 533.48 | 531.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,216,376.38 | 6.27 |
| D16029-D16023 | 8 | 136 | 0.029 | 0 | 0 | 0 | 535.5 | 531.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,582,881.30 | 8.16 |
| D16023-D16021 | 8 | 107 | 0.203 | 0.7 | 0 | 0 | 531.5 | 509.73 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 4,163,179.47 | 21.47 |
| E18130-E18126 | 8 | 190 | 0.005 | 0 | 0 | 0 | 530 | 529 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 669,593.16 | 3.45 |
| E18128-E18126 | 8 | 106 | 0.01 | 0 | 0 | 0 | 530.09 | 529 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 935,940.25 | 4.83 |
| E18126-E18124 | 8 | 197 | 0.007 | 0 | 0 | 0 | 529 | 527.64 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 766,874.24 | 3.96 |
| E18124-F18045 | 8 | 236 | 0.009 | 0 | 0 | 0 | 527.64 | 525.62 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 853,900.94 | 4.40 |
| F18045-F17041 | 12 | 203 | 0.009 | 0 | 0 | 0 | 525.62 | 523.88 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,519,365.07 | 4.87 |
| D12015-D12013 | 8 | 309 | 0.003 | 0 | 0 | 0 | 430 | 429 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 525,059.56 | 2.71 |
| D12013-D13027 | 8 | 155 | 0.006 | 7.6 | 0 | 0 | 429 | 428 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 741,347.72 | 3.82 |
| E14077-E14075 | 6 | 226 | 0.009 | 4.5 | 0 | 0 | 457 | 455 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 403,161.10 | 3.12 |
| F17011-F17009 | 12 | 336 | 0.01 | 0 | 0 | 0 | 513.23 | 510 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,668,063.25 | 5.16 |
| F17009-F17007 | 12 | 234 | 0.004 | 0 | 0 | 0 | 510 | 509 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,778,920.62 | 3.44 |
| F17007-F17005 | 12 | 250 | 0.004 | 9.6 | 0 | 0 | 509 | 508 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,721,053.99 | 3.33 |
| E17034-E17032 | 8 | 168 | 0.006 | 0 | 0 | 0 | 526 | 525 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 712,087.18 | 3.67 |
| E17032-E17030 | 8 | 152 | 0.007 | 0 | 0 | 0 | 525 | 524 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 748,627.91 | 3.86 |
| F19026-F19024 | 8 | 147 | 0.098 | 1.1 | 0 | 0 | 609.5 | 595 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,888,956.15 | 14.90 |
| F20003-F20001 | 8 | 262.8 | 0.135 | 0.7 | 0 | 0 | 719.81 | 684.48 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,389,291.95 | 17.48 |
| F19033-F19032 | 8 | 26 | 0.033 | 4.8 | 0 | 0 | 559 | 558.12 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,666,277.24 | 8.59 |
| F19016-F19015 | 8 | 26 | 0.053 | 7.2 | 0 | 0 | 554 | 552.57 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,124,095.04 | 10.95 |
| E17030-F17047 | 8 | 239 | 0.004 | 0 | 0 | 0 | 524 | 523 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 597,019.97 | 3.08 |
| F17047-F17039 | 8 | 241 | 0.004 | 0 | 0 | 0 | 523 | 522.1 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 564,027.84 | 2.91 |
| E18122-E18120 | 8 | 259 | 0.009 | 0 | 0 | 0 | 530.51 | 528.05 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 899,508.93 | 4.64 |
| E18120-E17043 | 8 | 251 | 0.011 | 0 | 0 | 0 | 528.05 | 525.24 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 976,571.64 | 5.04 |
| E17043-E17040 | 8 | 212 | 0.011 | 3.1 | 0 | 0 | 525.24 | 523 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 948,732.74 | 4.89 |
| F17041-F17039 | 12 | 199 | 0.009 | 0 | 0 | 0 | 523.88 | 522.1 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,573,640.97 | 4.98 |
| F17039-F17037 | 8 | 215 | 0.007 | 0 | 0 | 0 | 522.1 | 520.57 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 778,599.81 | 4.02 |
| F17037-F17035 | 8 | 217 | 0.006 | 0 | 0 | 0 | 520.57 | 519.27 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 714,380.54 | 3.68 |
| F17035-F17033 | 8 | 121 | 0.024 | 6.3 | 0 | 0 | 519.27 | 516.41 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,418,986.09 | 7.32 |
| E17053-E17051 | 8 | 300 | 0.003 | 0 | 0 | 0 | 524.23 | 523.19 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 543,430.30 | 2.80 |
| E17051-E17050 | 8 | 49 | 0.006 | 0 | 0 | 0 | 523.19 | 522.91 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 697,700.10 | 3.60 |
| E17050-E17048 | 8 | 198 | 0.003 | 0 | 0 | 0 | 522.91 | 522.22 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 544,853.52 | 2.81 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| E17048-E17046 | 8 | 197 | 0.005 | 4 | 0 | 0 | 522.22 | 521.33 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 620,368.44 | 3.20 |
| F17032-F17030 | 8 | 167 | 0.011 | 6.1 | 0 | 0 | 518.13 | 516.23 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 984,478.81 | 5.08 |
| F14141-F14137 | 8 | 219 | 0.009 | 0.7 | 0 | 0 | 433 | 431 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 882,024.70 | 4.55 |
| F14139-F14137 | 8 | 72 | 0.028 | 0.7 | 0 | 0 | 433 | 431 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,538,284.12 | 7.93 |
| F13089-F13087 | 8 | 144 | 0.014 | 0.8 | 0 | 0 | 426 | 424 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,087,731.13 | 5.61 |
| E14019-E14017 | 15 | 310 | 0.003 | 0.5 | 0 | 0 | 453 | 452 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,802,272.42 | 3.61 |
| F13073-F13071 | 8 | 213 | 0.005 | 4.4 | 0 | 0 | 413 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 632,408.95 | 3.26 |
| J06095-J06093 | 8 | 62 | 0.017 | 0.8 | 0 | 0 | 435.44 | 434.39 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,201,120.59 | 6.19 |
| J06073-J06071 | 8 | 275 | 0.01 | 0 | 0 | 0 | 428.04 | 425.21 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 936,299.26 | 4.83 |
| J06071-J06069 | 8 | 259 | 0.025 | 0 | 0 | 0 | 425.21 | 418.82 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,449,734.10 | 7.48 |
| J06065-J06063 | 8 | 226 | 0.006 | 0 | 0 | 0 | 434.17 | 432.74 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 734,178.41 | 3.79 |
| J06063-J06061 | 8 | 301 | 0.006 | 0 | 0 | 0 | 432.74 | 430.83 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 735,226.65 | 3.79 |
| J06061-J06059 | 8 | 295 | 0.006 | 0 | 0 | 0 | 430.83 | 428.92 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 742,665.90 | 3.83 |
| J06059-J06057 | 8 | 300 | 0.006 | 3.4 | 0 | 0 | 428.92 | 427.04 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 730,644.47 | 3.77 |
| J07135-J07133 | 8 | 109 | 0.033 | 2.2 | 0 | 0 | 423.72 | 420.09 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,684,332.66 | 8.69 |
| J06055-J06053 | 8 | 181 | 0.007 | 0 | 0 | 0 | 431.69 | 430.38 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 785,207.01 | 4.05 |
| J06053-J06051 | 8 | 180 | 0.007 | 0 | 0 | 0 | 430.38 | 429.07 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 787,385.12 | 4.06 |
| J06051-J06049 | 8 | 290 | 0.007 | 0 | 0 | 0 | 429.07 | 427.03 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 774,112.16 | 3.99 |
| J06049-J06047 | 8 | 292 | 0.006 | 3.3 | 0 | 0 | 427.03 | 425.15 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 740,585.67 | 3.82 |
| H06073-H06071 | 8 | 214 | 0.009 | 4.4 | 0 | 0 | 440.94 | 439.08 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 860,473.29 | 4.44 |
| J06081-J06079 | 8 | 254 | 0.008 | 3.5 | 0 | 0 | 429.34 | 427.25 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 837,228.67 | 4.32 |
| J06069-J06067 | 8 | 38 | 0.036 | 7.5 | 0 | 0 | 418.82 | 417.47 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,739,654.05 | 8.97 |
| J07127-J07125 | 10 | 57 | 0.024 | 6.4 | 0 | 0 | 417 | 415.66 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,565,839.46 | 7.94 |
| D11087-D11085 | 8 | 38 | 0.026 | 0.8 | 0 | 0 | 450 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,497,255.82 | 7.72 |
| H08013-H08009 | 8 | 427 | 0.002 | 6.8 | 0 | 0 | 434 | 433 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 446,656.72 | 2.30 |
| F06139-F06137 | 8 | 303 | 0.013 | 0 | 0 | 0 | 493 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,060,465.36 | 5.47 |
| F06137-F06129 | 8 | 90 | 0.017 | 7.9 | 0 | 0 | 489 | 487.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,191,549.76 | 6.15 |
| F06135-F06133 | 8 | 202 | 0.005 | 0 | 0 | 0 | 490 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 649,399.76 | 3.35 |
| F06133-F06131 | 8 | 231 | 0.004 | 2.7 | 0 | 0 | 489 | 488 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 607,269.99 | 3.13 |
| F07155-F07153 | 8 | 93 | 0.022 | 2.1 | 0 | 0 | 468 | 466 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,353,509.57 | 6.98 |
| F05005-F05003 | 8 | 15 | 0.067 | 2.1 | 0 | 0 | 501 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,383,099.51 | 12.29 |
| J07071-J07069 | 8 | 289 | 0.004 | 0 | 0 | 0 | 413.5 | 412.45 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 556,331.35 | 2.87 |
| J07069-J07067 | 8 | 300 | 0.003 | 0 | 0 | 0 | 412.45 | 411.41 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 543,430.30 | 2.80 |
| J07067-J07065 | 8 | 293 | 0.004 | 0 | 0 | 0 | 411.41 | 410.16 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 602,849.64 | 3.11 |
| J07065-J07063 | 8 | 301 | 0.005 | 0 | 0 | 0 | 410.16 | 408.64 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,882.97 | 3.38 |
| J07063-J07061 | 8 | 230 | 0.005 | 0 | 0 | 0 | 408.64 | 407.6 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 620,641.14 | 3.20 |
| J07073-J07061 | 8 | 170 | 0.004 | 0 | 0 | 0 | 408.2 | 407.6 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 548,326.17 | 2.83 |
| J07061-J07059 | 8 | 290 | 0.004 | 0 | 0 | 0 | 407.6 | 406.58 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 547,379.96 | 2.82 |
| J07059-J08113 | 8 | 185 | 0.003 | 0 | 0 | 0 | 406.58 | 405.94 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 542,865.11 | 2.80 |
| J08113-J08111 | 8 | 129 | 0.005 | 0 | 0 | 0 | 405.94 | 405.29 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,163.40 | 3.38 |
| J08115-J08111 | 8 | 106 | 0.005 | 0 | 0 | 0 | 405.85 | 405.29 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 670,855.35 | 3.46 |
| J08111-J08109 | 8 | 275 | 0.003 | 0 | 0 | 0 | 405.29 | 404.37 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 533,845.24 | 2.75 |
| J06099-J07159 | 8 | 46 | 0.033 | 0 | 0 | 0 | 422 | 420.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,666,688.81 | 8.60 |
| J06101-J07165 | 8 | 307 | 0.004 | 0 | 0 | 0 | 419.9 | 418.61 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 598,292.38 | 3.09 |
| J07165-J07163 | 8 | 351 | 0.003 | 1.6 | 0 | 0 | 418.61 | 417.41 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 539,665.77 | 2.78 |
| J07159-J07157 | 8 | 287 | 0.006 | 0 | 0 | 0 | 420.5 | 418.77 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 716,588.63 | 3.70 |
| J07167-J07151 | 8 | 69 | 0.006 | 1.8 | 0 | 0 | 413 | 412.57 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 728,613.96 | 3.76 |
| J07157-J07155 | 8 | 253 | 0.006 | 0 | 0 | 0 | 418.77 | 417.24 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 717,750.10 | 3.70 |
| J07155-J07153 | 8 | 143 | 0.007 | 1.4 | 0 | 0 | 417.24 | 416.18 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 794,644.21 | 4.10 |
| J07173-J07145 | 8 | 67 | 0.007 | 1.8 | 0 | 0 | 410.19 | 409.75 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 747,957.19 | 3.86 |
| J07169-J07149 | 8 | 69 | 0.007 | 1.8 | 0 | 0 | 411.89 | 411.44 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 745,365.90 | 3.84 |
| J07171-J07149 | 8 | 69 | 0.007 | 1.8 | 0 | 0 | 411.89 | 411.44 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 745,365.90 | 3.84 |
| J07175-J07143 | 8 | 67 | 0.007 | 1.8 | 0 | 0 | 409.09 | 408.65 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 747,957.19 | 3.86 |
| F06021-F06039 | 8 | 256 | 0.004 | 0 | 0 | 0 | 485 | 484 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| F06039-F06037 | 8 | 329 | 0.012 | 1.2 | 0 | 0 | 484 | 480 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,017,700.19 | 5.25 |
| F09123-F09111 | 8 | 167 | 0.006 | 3.8 | 0 | 0 | 431 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 714,215.99 | 3.68 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| F09107-F09105 | 8 | 152 | 0.007 | 5.9 | 0 | 0 | 428 | 427 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 748,627.91 | 3.86 |
| F08027-F08025 | 8 | 216 | 0.005 | 1.3 | 0 | 0 | 445 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 628,001.86 | 3.24 |
| F09079-G09031 | 8 | 203 | 0.005 | 0 | 0 | 0 | 422 | 421 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 647,798.28 | 3.34 |
| G09031-G09029 | 8 | 215 | 0.005 | 13.8 | 0 | 0 | 421 | 420 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 629,460.64 | 3.25 |
| F07029-F07027 | 8 | 118 | 0.008 | 0 | 0 | 0 | 461 | 460 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 849,663.19 | 4.38 |
| F07027-F07025 | 8 | 335 | 0.006 | 1.2 | 0 | 0 | 460 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 713,149.20 | 3.68 |
| F07031-F07025 | 8 | 199 | 0.005 | 1.2 | 0 | 0 | 459 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 654,276.42 | 3.37 |
| F06049-F06047 | 8 | 128 | 0.016 | 0 | 0 | 0 | 489 | 487 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,153,713.09 | 5.95 |
| F06047-F06045 | 8 | 266 | 0.008 | 0 | 0 | 0 | 487 | 485 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 800,316.90 | 4.13 |
| F06045-F06043 | 8 | 264 | 0.038 | 0 | 0 | 0 | 485 | 475 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,796,328.85 | 9.26 |
| F06043-F06041 | 8 | 375 | 0.003 | 0 | 0 | 0 | 475 | 474 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 476,619.90 | 2.46 |
| F06023-F06005 | 8 | 213 | 0.009 | 3.4 | 0 | 0 | 473 | 471 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 894,361.31 | 4.61 |
| F06041-F06027 | 8 | 335 | 0.006 | 1.6 | 0 | 0 | 474 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 713,149.20 | 3.68 |
| F06019-F06017 | 8 | 195 | 0.015 | 0 | 0 | 0 | 483 | 480 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,144,803.98 | 5.90 |
| F06017-F06015 | 8 | 278 | 0.011 | 0 | 0 | 0 | 480 | 477 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 958,795.61 | 4.94 |
| F06015-F06013 | 8 | 338 | 0.004 | 2 | 0 | 0 | 477 | 475.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 614,858.37 | 3.17 |
| F07061-F07059 | 8 | 362 | 0.006 | 3.4 | 0 | 0 | 470 | 468 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 686,038.55 | 3.54 |
| F07035-F07033 | 8 | 83 | 0.012 | 0 | 0 | 0 | 459 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,013,091.71 | 5.22 |
| F07033-F07023 | 8 | 121 | 0.008 | 1 | 0 | 0 | 458 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 839,064.07 | 4.33 |
| F07013-F07007 | 8 | 169 | 0.006 | 2.3 | 0 | 0 | 454 | 453 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 709,977.29 | 3.66 |
| D11049-D11047 | 8 | 117 | 0.025 | 0 | 0 | 0 | 496.79 | 493.86 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,460,591.22 | 7.53 |
| D11047-D11045 | 8 | 72 | 0.025 | 3.9 | 0 | 0 | 493.86 | 492.05 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,463,392.57 | 7.55 |
| C10005-C10003 | 8 | 132 | 0.015 | 3.1 | 0 | 0 | 489 | 487 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,136,098.12 | 5.86 |
| D09061-D09059 | 8 | 20 | 0.05 | 0 | 0 | 0 | 451 | 450 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,063,824.72 | 10.64 |
| C11021-C11019 | 8 | 152 | 0.046 | 2.2 | 0 | 0 | 520 | 513 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,980,683.27 | 10.22 |
| D09059-D09057 | 8 | 38 | 0.026 | 0 | 0 | 0 | 450 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,497,255.82 | 7.72 |
| D09057-D09055 | 8 | 202 | 0.005 | 6.8 | 0 | 0 | 449 | 448 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 649,399.76 | 3.35 |
| G14111-G14109 | 8 | 45 | 0.016 | 0 | 0 | 0 | 400.77 | 400.06 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,159,339.74 | 5.98 |
| G14109-G14107 | 8 | 184 | 0.004 | 0 | 0 | 0 | 400.06 | 399.25 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 612,380.57 | 3.16 |
| G14107-G14105 | 8 | 44 | 0.009 | 0 | 0 | 0 | 399.25 | 398.87 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 857,735.27 | 4.42 |
| G14105-G14103 | 8 | 83 | 0.006 | 0 | 0 | 0 | 398.87 | 398.39 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 701,890.52 | 3.62 |
| G14103-H14037 | 8 | 291 | 0.004 | 0 | 0 | 0 | 398.39 | 397.29 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 567,463.14 | 2.93 |
| H14037-H14035 | 8 | 49 | 0.008 | 0 | 0 | 0 | 397.29 | 396.92 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 802,030.03 | 4.14 |
| J07103-J07101 | 8 | 185 | 0.01 | 0 | 0 | 0 | 425.8 | 423.97 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 917,967.89 | 4.73 |
| J07101-J07097 | 8 | 157 | 0.01 | 0 | 0 | 0 | 423.97 | 422.38 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 928,830.66 | 4.79 |
| J07099-J07097 | 8 | 158 | 0.009 | 0 | 0 | 0 | 423.77 | 422.38 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 865,698.50 | 4.46 |
| J07105-J07093 | 8 | 68 | 0.006 | 1.1 | 0 | 0 | 416.81 | 416.39 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 725,367.34 | 3.74 |
| J07097-J07095 | 8 | 178 | 0.017 | 0.8 | 0 | 0 | 422.38 | 419.43 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,188,197.99 | 6.13 |
| J07113-J07107 | 8 | 97 | 0.005 | 0 | 0 | 0 | 424.66 | 424.13 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 682,244.24 | 3.52 |
| J07111-J07109 | 8 | 191 | 0.004 | 0 | 0 | 0 | 426.27 | 425.47 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 597,332.46 | 3.08 |
| J07109-J07107 | 8 | 177 | 0.008 | 0 | 0 | 0 | 425.47 | 424.13 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 803,070.32 | 4.14 |
| J07107-J07087 | 8 | 256 | 0.042 | 1 | 0 | 0 | 424.13 | 413.31 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,897,498.56 | 9.79 |
| J07057-J07055 | 8 | 206 | 0.007 | 0 | 0 | 0 | 408.55 | 407.21 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 744,400.40 | 3.84 |
| J07053-J08107 | 8 | 182 | 0.008 | 0 | 0 | 0 | 409.99 | 408.54 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 823,827.18 | 4.25 |
| J08107-J08105 | 8 | 199 | 0.025 | 0 | 0 | 0 | 408.54 | 403.51 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,467,389.01 | 7.57 |
| J07055-J08109 | 8 | 231 | 0.012 | 0 | 0 | 0 | 407.21 | 404.37 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,023,389.57 | 5.28 |
| J08109-J08105 | 8 | 246 | 0.003 | 0 | 0 | 0 | 404.37 | 403.51 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 545,719.51 | 2.81 |
| J08105-J08101 | 8 | 247 | 0.004 | 0 | 0 | 0 | 403.51 | 402.64 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 547,770.90 | 2.83 |
| G11037-G11035 | 8 | 130 | 0.054 | 4.7 | 0 | 0 | 395 | 388 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,141,732.13 | 11.05 |
| J08025-J08023 | 8 | 116 | 0.005 | 0 | 0 | 0 | 404.54 | 404 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 629,731.90 | 3.25 |
| H07027-J07121 | 10 | 57 | 0.026 | 6.7 | 0 | 0 | 416 | 414.52 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,696,546.65 | 8.34 |
| J08061-J08059 | 8 | 115 | 0.006 | 0 | 0 | 0 | 401.26 | 400.59 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 704,492.36 | 3.63 |
| J07047-J07045 | 8 | 243 | 0.01 | 0 | 0 | 0 | 418.44 | 416.02 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 921,069.40 | 4.75 |
| J08093-J08091 | 8 | 162 | 0.004 | 0 | 0 | 0 | 410.27 | 409.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 547,479.33 | 2.82 |
| J08091-J08089 | 8 | 185 | 0.005 | 0 | 0 | 0 | 409.7 | 408.85 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 625,621.13 | 3.23 |
| J07045-J07043 | 8 | 243 | 0.018 | 0 | 0 | 0 | 416.02 | 411.67 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,234,892.91 | 6.37 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| J07043-J08089 | 8 | 245 | 0.012 | 0 | 0 | 0 | 411.67 | 408.85 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 990,214.59 | 5.11 |
| J08089-J08087 | 8 | 256 | 0.008 | 0 | 0 | 0 | 408.85 | 406.68 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 849,762.75 | 4.38 |
| J08087-J08085 | 8 | 277 | 0.023 | 0 | 0 | 0 | 406.68 | 400.2 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,411,677.28 | 7.28 |
| J07051-J08103 | 8 | 203 | 0.009 | 0 | 0 | 0 | 411.2 | 409.36 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 878,716.33 | 4.53 |
| J07049-J08099 | 8 | 236 | 0.015 | 0 | 0 | 0 | 412.29 | 408.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,138,358.44 | 5.87 |
| J08099-J08097 | 8 | 234 | 0.029 | 0 | 0 | 0 | 408.7 | 401.98 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,564,100.00 | 8.07 |
| J08103-J08101 | 8 | 216 | 0.031 | 0 | 0 | 0 | 409.36 | 402.64 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,627,966.89 | 8.40 |
| J08101-J08097 | 8 | 243 | 0.003 | 0 | 0 | 0 | 402.64 | 401.98 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 481,012.81 | 2.48 |
| J08097-J08095 | 8 | 143 | 0.005 | 0 | 0 | 0 | 401.98 | 401.28 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 645,756.53 | 3.33 |
| J08095-J08085 | 8 | 161 | 0.007 | 0 | 0 | 0 | 401.28 | 400.2 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 755,938.99 | 3.90 |
| J08085-J08083 | 8 | 183 | 0.007 | 8.8 | 0 | 0 | 400.2 | 398.87 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 786,843.00 | 4.06 |
| J08047-J08045 | 8 | 23 | 0.025 | 0 | 0 | 0 | 401.81 | 401.23 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,465,675.69 | 7.56 |
| J08043-J08041 | 8 | 16 | 0.027 | 0 | 0 | 0 | 401.81 | 401.38 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,513,080.53 | 7.80 |
| J08041-J08039 | 8 | 21 | 0.024 | 0 | 0 | 0 | 401.38 | 400.88 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,424,174.36 | 7.35 |
| J08039-J08037 | 8 | 196 | 0.014 | 0 | 0 | 0 | 400.88 | 398.06 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,107,093.56 | 5.71 |
| J08045-J08037 | 8 | 193 | 0.016 | 0 | 0 | 0 | 401.23 | 398.06 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,182,874.81 | 6.10 |
| J08037-J08035 | 8 | 54 | 0.022 | 3.2 | 0 | 0 | 398.06 | 396.88 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,364,369.28 | 7.04 |
| J08059-J08057 | 8 | 145 | 0.004 | 0 | 0 | 0 | 400.59 | 400.01 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 583,737.78 | 3.01 |
| J08057-J08055 | 8 | 90 | 0.005 | 0 | 0 | 0 | 400.01 | 399.55 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 659,850.38 | 3.40 |
| J08055-J08053 | 8 | 106 | 0.036 | 0 | 0 | 0 | 399.55 | 395.71 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,756,711.67 | 9.06 |
| J08053-J08033 | 8 | 61 | 0.014 | 9.7 | 0 | 0 | 395.71 | 394.87 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,083,084.98 | 5.59 |
| F12055-F12053 | 8 | 204 | 0.01 | 0.7 | 0 | 0 | 401 | 399 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 913,876.95 | 4.71 |
| G15007-G15005 | 8 | 232 | 0.013 | 0.8 | 0 | 0 | 440 | 437 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,049,553.16 | 5.41 |
| G09089-G09087 | 8 | 136 | 0.007 | 1.1 | 0 | 0 | 407 | 406 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 791,440.65 | 4.08 |
| G09085-G09083 | 8 | 136 | 0.015 | 0.9 | 0 | 0 | 407 | 405 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,119,266.10 | 5.77 |
| G14117-G14115 | 8 | 251 | 0.012 | 0.7 | 0 | 0 | 400.55 | 397.64 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 993,796.45 | 5.13 |
| H14035-H14033 | 8 | 68 | 0.006 | 0.8 | 0 | 0 | 396.92 | 396.49 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 733,951.87 | 3.79 |
| G14101-G14099 | 8 | 110 | 0.005 | 0 | 0 | 0 | 398.87 | 398.29 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 670,201.60 | 3.46 |
| G14099-G14097 | 8 | 64 | 0.019 | 4.5 | 0 | 0 | 398.29 | 397.06 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,279,529.71 | 6.60 |
| G13121-G13119 | 10 | 277 | 0.007 | 3 | 0 | 0 | 387 | 385 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,421,967.34 | 4.40 |
| J08073-J08071 | 8 | 173 | 0.006 | 0 | 0 | 0 | 407.21 | 406.24 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 691,115.48 | 3.56 |
| J08071-J08067 | 8 | 173 | 0.033 | 0 | 0 | 0 | 406.24 | 400.61 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,665,018.08 | 8.59 |
| J09045-J09043 | 8 | 299 | 0.004 | 0 | 0 | 0 | 390.95 | 389.9 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 546,949.04 | 2.82 |
| F13055-F13053 | 8 | 164 | 0.012 | 0 | 0 | 0 | 410 | 408 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,019,250.38 | 5.26 |
| F13053-F13051 | 8 | 88 | 0.023 | 0 | 0 | 0 | 408 | 406 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,391,430.34 | 7.18 |
| F13051-F13039 | 8 | 95 | 0.02 | 7.9 | 0 | 0 | 406 | 404.08 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,312,129.26 | 6.77 |
| J11101-J11099 | 8 | 173 | 0.004 | 1.2 | 0 | 0 | 376.34 | 375.66 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 578,654.34 | 2.98 |
| J07013-J07011 | 8 | 178 | 0.007 | 0 | 0 | 0 | 414.47 | 413.28 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 754,659.92 | 3.89 |
| J07011-J07007 | 8 | 176 | 0.011 | 0 | 0 | 0 | 413.28 | 411.39 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 956,450.23 | 4.93 |
| J07009-J07007 | 8 | 73 | 0.016 | 0 | 0 | 0 | 412.53 | 411.39 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,153,396.96 | 5.95 |
| J07007-K07017 | 8 | 148 | 0.004 | 0 | 0 | 0 | 411.39 | 410.84 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 562,649.96 | 2.90 |
| J08129-J08017 | 8 | 71 | 0.006 | 5.6 | 0 | 0 | 402.61 | 402.2 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 701,375.45 | 3.62 |
| J06021-J06019 | 8 | 169 | 0.005 | 0 | 0 | 0 | 428.62 | 427.83 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 631,041.62 | 3.25 |
| J06023-J06019 | 8 | 160 | 0.001 | 0 | 0 | 0 | 428.05 | 427.83 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 342,246.61 | 1.77 |
| J06019-J06017 | 8 | 247 | 0.003 | 1 | 0 | 0 | 427.83 | 427.17 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 477,102.07 | 2.46 |
| J05003-J05001 | 8 | 90 | 0.01 | 1.4 | 0 | 0 | 440.08 | 439.15 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 938,227.22 | 4.84 |
| J06045-J06043 | 8 | 97 | 0.006 | 1.1 | 0 | 0 | 438.49 | 437.95 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 688,650.43 | 3.55 |
| J06041-J06039 | 8 | 143 | 0.005 | 1.2 | 0 | 0 | 436.23 | 435.58 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 622,266.57 | 3.21 |
| J06037-J06035 | 8 | 156 | 0.004 | 1.2 | 0 | 0 | 434.51 | 433.82 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 613,832.75 | 3.17 |
| J07027-J07025 | 8 | 210 | 0.008 | 0 | 0 | 0 | 420.94 | 419.24 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 830,429.22 | 4.28 |
| J07025-J07023 | 8 | 210 | 0.008 | 0 | 0 | 0 | 419.24 | 417.53 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 832,868.07 | 4.30 |
| J06033-J06031 | 8 | 63 | 0.003 | 1.2 | 0 | 0 | 432.26 | 432.04 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 545,417.25 | 2.81 |
| J06027-J06025 | 8 | 80 | 0.009 | 1.4 | 0 | 0 | 428.77 | 428.08 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 857,170.78 | 4.42 |
| J07003-J07001 | 8 | 73 | 0.022 | 0 | 0 | 0 | 410.33 | 408.76 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,353,555.92 | 6.98 |
| J07021-J07019 | 8 | 59 | 0.007 | 0 | 0 | 0 | 416.49 | 416.1 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 750,402.21 | 3.87 |
| J07033-J07029 | 8 | 41 | 0.002 | 1.4 | 0 | 0 | 414 | 413.9 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 455,822.63 | 2.35 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|-------------------------------------|-------------------------------------|----------------|-----------------------------|
| J07031-J06003 | 8 | 61 | 0.004 | 0 | 0 | 0 | 418.51 | 418.28 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 566,743.84 | 2.92 |
| J06003-J06001 | 8 | 65 | 0.006 | 1 | 0 | 0 | 418.28 | 417.9 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 705,704.57 | 3.64 |
| J07023-J07019 | 8 | 211 | 0.007 | 0 | 0 | 0 | 417.53 | 416.1 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 759,826.78 | 3.92 |
| J07019-J07017 | 8 | 98 | 0.021 | 0 | 0 | 0 | 416.1 | 414 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,351,090.43 | 6.97 |
| J07017-J07015 | 8 | 42 | 0.026 | 1.4 | 0 | 0 | 414 | 412.92 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,480,045.41 | 7.63 |
| J07035-K07023 | 8 | 63 | 0.004 | 0 | 0 | 0 | 412.05 | 411.82 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 557,675.35 | 2.88 |
| K07023-K07019 | 8 | 48 | 0.008 | 1.3 | 0 | 0 | 411.82 | 411.45 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 810,341.44 | 4.18 |
| K07017-K07015 | 8 | 48 | 0.011 | 0.8 | 0 | 0 | 410.84 | 410.32 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 960,658.13 | 4.95 |
| J07005-J07001 | 8 | 75 | 0.02 | 0 | 0 | 0 | 410.29 | 408.76 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,318,265.51 | 6.80 |
| J07001-K07009 | 8 | 148 | 0.004 | 0 | 0 | 0 | 408.76 | 408.21 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 562,649.96 | 2.90 |
| K07009-K07007 | 8 | 48 | 0.067 | 1.3 | 0 | 0 | 408.21 | 404.98 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,394,244.23 | 12.35 |
| K07013-K07011 | 8 | 59 | 0.007 | 1.4 | 0 | 0 | 405.94 | 405.54 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 759,961.86 | 3.92 |
| K07005-K07003 | 8 | 47 | 0.008 | 1.2 | 0 | 0 | 404.33 | 403.97 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 807,774.48 | 4.17 |
| J08075-J07037 | 8 | 66 | 0.035 | 0 | 0 | 0 | 407.7 | 405.42 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,715,470.53 | 8.85 |
| J07041-J07039 | 8 | 180 | 0.006 | 0 | 0 | 0 | 409.52 | 408.41 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 724,791.42 | 3.74 |
| J07039-J07037 | 8 | 180 | 0.017 | 0 | 0 | 0 | 408.41 | 405.42 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,189,562.18 | 6.14 |
| J07037-K07025 | 8 | 98 | 0.021 | 0 | 0 | 0 | 405.42 | 403.34 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,344,641.27 | 6.93 |
| K07025-K07001 | 8 | 48 | 0.024 | 0.8 | 0 | 0 | 403.34 | 402.17 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,440,987.19 | 7.43 |
| K08013-K08009 | 8 | 47 | 0.05 | 1.4 | 0 | 0 | 396.64 | 394.3 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,059,428.92 | 10.62 |
| K08011-K08009 | 8 | 58 | 0.007 | 1.4 | 0 | 0 | 394.7 | 394.3 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 766,485.26 | 3.95 |
| J08069-J08067 | 8 | 131 | 0.027 | 0 | 0 | 0 | 404.14 | 400.61 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,515,093.77 | 7.81 |
| J08067-K08007 | 8 | 99 | 0.048 | 0 | 0 | 0 | 400.61 | 395.82 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,030,195.99 | 10.47 |
| K08007-K08005 | 8 | 46 | 0.049 | 1.1 | 0 | 0 | 395.82 | 393.58 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,036,727.37 | 10.50 |
| J09033-J09031 | 8 | 201 | 0.006 | 0 | 0 | 0 | 389.68 | 388.54 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 695,091.86 | 3.58 |
| J09031-J09029 | 8 | 218 | 0.006 | 0 | 0 | 0 | 388.54 | 387.3 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 696,098.03 | 3.59 |
| J09029-J09027 | 8 | 218 | 0.006 | 0 | 0 | 0 | 387.3 | 386.05 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 698,899.24 | 3.60 |
| J09027-J09025 | 8 | 112 | 0.005 | 0 | 0 | 0 | 386.05 | 385.46 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 669,892.02 | 3.45 |
| J09025-J09023 | 8 | 86 | 0.008 | 0 | 0 | 0 | 385.46 | 384.74 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 844,510.06 | 4.36 |
| J09043-J09041 | 8 | 300 | 0.003 | 0 | 0 | 0 | 389.9 | 388.85 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 546,036.70 | 2.82 |
| J09041-J09039 | 8 | 314 | 0.004 | 0 | 0 | 0 | 388.85 | 387.64 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 572,948.61 | 2.95 |
| J09039-J09037 | 8 | 262 | 0.004 | 0 | 0 | 0 | 387.64 | 386.67 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 561,594.74 | 2.90 |
| J09037-J09035 | 8 | 275 | 0.003 | 0 | 0 | 0 | 386.67 | 385.71 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 545,327.10 | 2.81 |
| J09035-J09023 | 8 | 291 | 0.003 | 0 | 0 | 0 | 385.71 | 384.74 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 532,877.25 | 2.75 |
| J09023-J09021 | 8 | 348 | 0.004 | 0 | 0 | 0 | 384.74 | 383.33 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,499.82 | 3.03 |
| J09021-J09019 | 8 | 172 | 0.004 | 0 | 0 | 0 | 383.33 | 382.69 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 563,006.71 | 2.90 |
| J09019-J09003 | 8 | 195 | 0.003 | 16.5 | 0 | 0 | 382.69 | 382.06 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 524,615.09 | 2.71 |
| K12003-K12001 | 8 | 326 | 0.009 | 19.8 | 0 | 0 | 364 | 361 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 885,400.24 | 4.57 |
| G13041-G13039 | 8 | 239 | 0.013 | 9.6 | 0 | 0 | 396 | 393 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,034,068.92 | 5.33 |
| F12039-F12037 | 8 | 190 | 0.021 | 1.5 | 0 | 0 | 393 | 389 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,339,186.31 | 6.91 |
| F10087-F10083 | 8 | 271 | 0.004 | 2.4 | 0 | 0 | 413 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 560,664.63 | 2.89 |
| E10041-E10039 | 8 | 228 | 0.009 | 0 | 0 | 0 | 415 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 864,441.05 | 4.46 |
| E10043-E10039 | 8 | 128 | 0.023 | 0 | 0 | 0 | 416 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,413,004.19 | 7.29 |
| E10039-E10037 | 8 | 358 | 0.006 | 11.2 | 0 | 0 | 413 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 689,860.52 | 3.56 |
| F10063-F10055 | 6 | 315 | 0.003 | 6.3 | 0 | 0 | 405 | 404 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 241,469.66 | 1.87 |
| E10085-E10083 | 8 | 77 | 0.013 | 0 | 0 | 0 | 417 | 416 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,051,822.47 | 5.42 |
| E10083-E10081 | 8 | 363 | 0.003 | 6.5 | 0 | 0 | 416 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 484,433.86 | 2.50 |
| E10033-E10031 | 8 | 274 | 0.007 | 0 | 0 | 0 | 416 | 414 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 788,546.89 | 4.07 |
| E10031-E10029 | 8 | 356 | 0.006 | 0 | 0 | 0 | 414 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 691,795.62 | 3.57 |
| F10095-F10093 | 8 | 130 | 0.008 | 0 | 0 | 0 | 414 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 809,498.65 | 4.17 |
| E10029-F10089 | 8 | 331 | 0.006 | 9.1 | 0 | 0 | 412 | 410 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 717,445.32 | 3.70 |
| F10093-F10091 | 8 | 246 | 0.008 | 9.3 | 0 | 0 | 413 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 832,214.45 | 4.29 |
| G11043-G11041 | 8 | 159 | 0.006 | 0 | 0 | 0 | 387 | 386 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 731,963.20 | 3.78 |
| G11041-G11039 | 8 | 119 | 0.008 | 0.9 | 0 | 0 | 386 | 385 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 846,085.64 | 4.36 |
| F11055-F11053 | 8 | 232 | 0.013 | 5.6 | 0 | 0 | 397 | 394 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,049,553.16 | 5.41 |
| K12075-K12073 | 6 | 248 | 0.008 | 100 | 0 | 0 | 363 | 361 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 384,863.74 | 2.98 |
| K12073-K12071 | 6 | 250 | 0.008 | 100 | 0 | 0 | 361 | 359 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 383,321.20 | 2.97 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|--------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|-----------------|-----------------------------|
| K12071-K12017 | 6 | 263 | 0.008 | 100 | 0 | 0 | 359 | 357 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 373,727.42 | 2.89 |
| J08023-J08051 | 8 | 184 | 0.013 | 1 | 0 | 0 | 404 | 401.61 | | 0.3 | 890,076.18 | 4.59 |
| E09087-E09085 | 8 | 44 | 0 | 61.1 | 1,441.08 | 0 | 431 | 431 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 0 | 0.00 |
| H14019-H15001 | 8 | 237 | 0.004 | 100 | 2,339.88 | 0.01 | 413 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 599,533.75 | 3.09 |
| F02057-F02039 | 8 | 9 | -0.04 | 77 | 0 | 0 | 524 | 524.36 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | -1,845,940.94 | -9.52 |
| G15053-G15051 | 8 | 162 | 0.025 | 100 | 3,443.74 | 0.01 | 415 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,450,308.18 | 7.48 |
| H15001-G15051 | 8 | 184 | 0.005 | 100 | 4,310.08 | 0.01 | 412 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 680,422.86 | 3.51 |
| G15051-G15037 | 8 | 245 | 0.004 | 100 | 8,067.82 | 0.02 | 411 | 410 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 589,664.20 | 3.04 |
| G15037-G15035 | 8 | 267 | -0.042 | 100 | 18,223.20 | 0.05 | 410 | 421.31 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | -1,899,605.77 | -9.80 |
| J14115-J14087 | 8 | 26 | -0.038 | 100 | 37,950.62 | 0.07 | 333 | 334 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | -1,810,094.02 | -9.34 |
| P-5583 | 10 | 0 | 0 | 59.7 | 90,672.61 | 0.07 | 359 | 359 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 0 | 0.00 |
| J09005-J09003 | 15 | 45 | -0.001 | 62.9 | 292,759.36 | 0.08 | 382 | 382.06 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | -1,801,609.10 | -2.32 |
| F05043-F05041 | 10 | 173 | 0 | 59.7 | 86,582.78 | 0.09 | 505 | 505 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 0 | 0.00 |
| L14057-L14055 | 10 | 28 | -0.01 | 100 | 941,009.07 | 0 | 313 | 313.29 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | -1,703,077.82 | -5.27 |
| K08003-K08001 | 10 | 98 | 0.007 | 6.4 | 691.31 | 0.13 | 393.15 | 392.44 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,424,395.67 | 4.41 |
| K08009-K08005 | 8 | 264 | 0.003 | 2.8 | 696.06 | 0.13 | 394.3 | 393.58 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 482,005.61 | 2.49 |
| K12017-K12015 | 21 | 12 | -0.917 | 100 | 791,786.34 | 0.09 | 357 | 368 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | -115,870,179.76 | -74.70 |
| K07003-K07001 | 8 | 278 | 0.006 | 2.3 | 699.22 | 0.18 | 403.97 | 402.17 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 742,679.89 | 3.83 |
| K07007-K07003 | 8 | 289 | 0.003 | 2.7 | 699.82 | 0.16 | 404.98 | 403.97 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 545,631.67 | 2.81 |
| K07011-K07007 | 8 | 165 | 0.003 | 2.7 | 700.85 | 0.16 | 405.54 | 404.98 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 537,699.77 | 2.77 |
| K08005-K08003 | 8 | 61 | 0.007 | 2.3 | 692.19 | 0.13 | 393.58 | 393.15 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 774,920.44 | 4.00 |
| H06027-H06025 | 8 | 426 | 0.002 | 2.5 | 156.72 | 0.18 | 447.54 | 446.6 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 433,557.73 | 2.24 |
| K07019-K07015 | 8 | 278 | 0.004 | 2.6 | 707.25 | 0.19 | 411.45 | 410.32 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 588,443.31 | 3.03 |
| K07021-K07019 | 8 | 209 | 0.004 | 2.7 | 710.09 | 0.18 | 412.19 | 411.45 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 549,199.99 | 2.83 |
| G12021-G12019 | 8 | 18 | -0.001 | 63.7 | 89,844.26 | 0.17 | 380.4 | 380.41 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | -217,546.23 | -1.12 |
| J10009-J10007 | 15 | 36 | -0.028 | 100 | 381,520.67 | 0.17 | 380 | 381 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | -8,223,182.88 | -10.60 |
| J07029-J07015 | 8 | 278 | 0.004 | 2.7 | 713.07 | 0.21 | 413.9 | 412.92 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 547,997.34 | 2.83 |
| J07015-K07021 | 8 | 209 | 0.003 | 2.7 | 712.08 | 0.19 | 412.92 | 412.19 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 545,476.56 | 2.81 |
| J06005-J06001 | 8 | 278 | 0.004 | 2.7 | 720.71 | 0.21 | 418.88 | 417.9 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 547,997.34 | 2.83 |
| F12025-F12023 | 8 | 233 | 0.003 | 1.6 | 221.26 | 0.22 | 393.71 | 393 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 509,493.94 | 2.63 |
| E03147-E03145 | 8 | 241 | 0.002 | 2.7 | 532.31 | 0.21 | 559.5 | 559 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 420,401.53 | 2.17 |
| L13125-L13123 | 10 | 319 | 0.002 | 100 | 370,407.53 | 0.22 | 327.5 | 327 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 662,527.90 | 2.05 |
| D08067-D08059 | 8 | 209 | 0.005 | 6.1 | 94.42 | 0.22 | 491 | 490 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 638,432.03 | 3.29 |
| C02135-C02061 | 8 | 145 | 0.003 | 2.1 | 310.65 | 0.23 | 635 | 634.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 534,662.44 | 2.76 |
| J07083-J07081 | 10 | 295 | 0.004 | 1.5 | 389.07 | 0.23 | 412.38 | 411.2 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,058,387.02 | 3.28 |
| C07031-C07029 | 8 | 236 | 0.002 | 2.3 | 283.26 | 0.24 | 516 | 515.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 424,831.59 | 2.19 |
| H11007-H12075 | 8 | 317 | 0.005 | 3.5 | 209.62 | 0.24 | 369 | 367.54 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 626,375.27 | 3.23 |
| E14017-E14015 | 15 | 312 | 0.003 | 1.5 | 340.11 | 0.23 | 452 | 451 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,793,276.34 | 3.60 |
| J07085-J07083 | 10 | 123 | 0.004 | 1.5 | 389.75 | 0.24 | 412.87 | 412.38 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,056,233.63 | 3.27 |
| F12061-F12043 | 8 | 310 | 0.003 | 2.4 | 223.63 | 0.25 | 393 | 392 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 524,212.00 | 2.70 |
| B01052-B01050 | 8 | 0 | 0.004 | 1.7 | 308.94 | 0.24 | 683.15 | 682.12 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 608,460.30 | 3.14 |
| F09061-F09059 | 8 | 158 | 0.006 | 1.2 | 94.42 | 0.25 | 419 | 418 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 734,275.88 | 3.79 |
| E11149-E11107 | 8 | 283 | 0.001 | 55.1 | 1,020.33 | 0.25 | 412 | 411.67 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 315,174.85 | 1.63 |
| J07087-J07085 | 8 | 108 | 0.004 | 2 | 390.14 | 0.24 | 413.31 | 412.87 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 589,117.97 | 3.04 |
| E03195-E03193 | 8 | 284 | 0.002 | 2.9 | 560.66 | 0.25 | 564 | 563.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 387,269.81 | 2.00 |
| J06009-J06007 | 8 | 301 | 0.003 | 2.8 | 731.34 | 0.25 | 422.63 | 421.58 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 545,128.90 | 2.81 |
| E03191-E03189 | 8 | 198 | 0.003 | 2.7 | 543.83 | 0.25 | 563 | 562.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 463,810.11 | 2.39 |
| G04025-G04023 | 8 | 197 | 0.005 | 2.4 | 389.23 | 0.28 | 487 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 657,589.23 | 3.39 |
| C02137-C02135 | 8 | 282 | 0.003 | 1.9 | 312.2 | 0.26 | 635.98 | 635 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 542,177.73 | 2.80 |
| F12023-F12011 | 8 | 157 | 0.006 | 10.4 | 217.82 | 0.27 | 393 | 392 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 736,610.63 | 3.80 |
| K07001-K08009 | 8 | 278 | 0.028 | 2.2 | 697.61 | 0.23 | 402.17 | 394.3 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,552,933.20 | 8.01 |
| K14095-K14093 | 8 | 249 | 0 | 12.4 | 5,115.41 | 0.26 | 321.52 | 321.45 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 154,752.31 | 0.80 |
| G13027-G13017 | 8 | 343 | 0.004 | 3.4 | 231.09 | 0.26 | 398 | 396.77 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 552,704.88 | 2.85 |
| H14033-H14031 | 8 | 275 | 0.004 | 1.6 | 223.81 | 0.26 | 396.49 | 395.33 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 599,446.54 | 3.09 |
| C02112-C02110 | 8 | 300 | 0.005 | 4.4 | 310.62 | 0.25 | 639.09 | 637.59 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 638,941.75 | 3.30 |
| F04085-F04083 | 8 | 200 | 0.001 | 5.3 | 1,363.96 | 0.26 | 523.72 | 523.54 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 276,891.14 | 1.43 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|--------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| J11065-J12057 | 8 | 144 | 0.006 | 2.1 | 209.62 | 0.26 | 365.65 | 364.75 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 729,672.23 | 3.76 |
| B02020-B01054 | 8 | 232 | 0.004 | 1.8 | 312.2 | 0.27 | 688.63 | 687.72 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 579,298.65 | 2.99 |
| G09173-G09171 | 8 | 402 | 0.007 | 1.3 | 145.24 | 0.27 | 427 | 424 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 797,325.05 | 4.11 |
| C07021-C07019 | 8 | 206 | 0.005 | 1.5 | 188.84 | 0.26 | 506 | 505 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 643,064.00 | 3.32 |
| F12027-F12025 | 8 | 85 | 0.005 | 1.5 | 222.89 | 0.26 | 394.14 | 393.71 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 656,466.51 | 3.39 |
| L13105-L13103 | 10 | 340 | 0.003 | 100 | 340,270.65 | 0.26 | 326 | 325 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 907,559.38 | 2.81 |
| L13123-L13105 | 10 | 340 | 0.003 | 100 | 353,799.17 | 0.27 | 327 | 326 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 907,559.38 | 2.81 |
| B01014-B01012 | 8 | 176 | 0.005 | 1.7 | 310.29 | 0.27 | 677.46 | 676.57 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 656,336.38 | 3.39 |
| G14113-H14033 | 8 | 181 | 0.004 | 1.5 | 226.42 | 0.27 | 397.23 | 396.49 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 590,152.67 | 3.04 |
| J07081-J07079 | 8 | 169 | 0.007 | 9.3 | 386.87 | 0.26 | 411.2 | 410.07 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 754,716.21 | 3.89 |
| C03017-C03015 | 12 | 212 | 0.005 | 1 | 312.2 | 0.28 | 670 | 669 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,868,945.20 | 3.61 |
| C07011-C07009 | 8 | 210 | 0.01 | 1 | 94 | 0.28 | 509 | 507 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 900,726.95 | 4.65 |
| D14123-D14121 | 8 | 239 | 0.004 | 2.4 | 340.11 | 0.28 | 474 | 473 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 597,019.97 | 3.08 |
| G05083-G05081 | 8 | 323 | 0.003 | 3.3 | 778.46 | 0.28 | 471 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 513,554.51 | 2.65 |
| C07019-C08003 | 8 | 228 | 0.004 | 7.4 | 282.24 | 0.28 | 505 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 611,252.13 | 3.15 |
| G14041-F14047 | 8 | 230 | 0.004 | 2.2 | 231.09 | 0.28 | 431 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 608,588.71 | 3.14 |
| D13015-D13013 | 8 | 190 | 0.001 | 6 | 1,766.41 | 0.28 | 426 | 425.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 299,451.16 | 1.54 |
| E09017-E09015 | 10 | 239 | 0.002 | 2.9 | 580.87 | 0.29 | 436.52 | 436 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 780,579.66 | 2.42 |
| C02114-C02112 | 8 | 300 | 0.005 | 1.7 | 312.2 | 0.28 | 640.48 | 639.09 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 626,169.25 | 3.23 |
| D07037-D07035 | 8 | 170 | 0.006 | 1.3 | 188.84 | 0.28 | 495 | 494 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 707,886.04 | 3.65 |
| J07091-J07089 | 8 | 288 | 0.003 | 2.1 | 398.63 | 0.27 | 415.54 | 414.54 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 543,865.57 | 2.80 |
| J07089-J07087 | 8 | 243 | 0.005 | 1.9 | 397.53 | 0.28 | 414.54 | 413.31 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 656,654.96 | 3.39 |
| F15041-F15039 | 8 | 61 | 0.002 | 4 | 456.56 | 0.28 | 441.99 | 441.85 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 442,167.59 | 2.28 |
| B02013-B02009 | 8 | 0 | 0.003 | 2.8 | 615.03 | 0.29 | 690.17 | 689.61 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 532,877.25 | 2.75 |
| C07045-C07043 | 8 | 229 | 0.004 | 1.8 | 283.26 | 0.29 | 530 | 529 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 609,916.06 | 3.15 |
| C07029-C07027 | 8 | 215 | 0.002 | 3.3 | 564.51 | 0.28 | 515.5 | 515 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 445,095.89 | 2.30 |
| G04037-G04035 | 8 | 287 | 0.003 | 3.2 | 778.46 | 0.27 | 489 | 488 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 544,812.24 | 2.81 |
| K14077-K14075 | 8 | 327 | 0.003 | 2.4 | 447.77 | 0.29 | 333 | 332 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 510,403.84 | 2.63 |
| F15035-F15033 | 8 | 210 | 0.005 | 1.9 | 231.09 | 0.29 | 459 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 636,910.14 | 3.28 |
| C07049-C07047 | 8 | 220 | 0.005 | 2.1 | 283.26 | 0.3 | 523 | 522 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 622,266.57 | 3.21 |
| F07025-F07023 | 8 | 318 | 0.003 | 2.4 | 520.19 | 0.3 | 458 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 517,576.14 | 2.67 |
| E03157-E03155 | 8 | 297 | 0.003 | 2.4 | 552.1 | 0.3 | 562 | 561 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 535,561.79 | 2.76 |
| G04031-G04029 | 8 | 193 | 0.005 | 2.9 | 583.84 | 0.29 | 485 | 484 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 664,368.68 | 3.43 |
| J12031-J12029 | 42 | 99 | -0.005 | 74 | 10,179,608.47 | 0.24 | 356.95 | 357.4 | Vitrified Clay Pipe-Circular-42 inch | 9.6 | -51,808,530.71 | -8.35 |
| F13087-F13085 | 8 | 163 | 0.007 | 3.1 | 335.92 | 0.29 | 424 | 422.86 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 771,874.03 | 3.98 |
| B01082-B01080 | 8 | 0 | 0.003 | 2.6 | 621.94 | 0.3 | 691.05 | 690.73 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 522,110.94 | 2.69 |
| J07093-J07091 | 8 | 246 | 0.003 | 2.1 | 432.33 | 0.3 | 416.39 | 415.54 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 542,537.44 | 2.80 |
| J06025-J06017 | 8 | 241 | 0.004 | 2.7 | 737.24 | 0.28 | 428.08 | 427.17 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 567,152.67 | 2.93 |
| E17061-E17059 | 8 | 195 | 0.005 | 4.6 | 340.11 | 0.3 | 525 | 524 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 660,952.88 | 3.41 |
| B01080-B02013 | 8 | 0 | 0.003 | 2.6 | 619.64 | 0.3 | 690.73 | 690.17 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 540,988.48 | 2.79 |
| G09169-G09165 | 8 | 261 | 0.004 | 2.7 | 509.54 | 0.28 | 419 | 418 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 571,304.38 | 2.95 |
| D09106-D08043 | 8 | 255 | 0.001 | 8.4 | 1,277.28 | 0.3 | 463.31 | 463 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 321,809.28 | 1.66 |
| D07055-D07053 | 8 | 279 | 0.007 | 1.7 | 188.84 | 0.3 | 516 | 514 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 781,449.11 | 4.03 |
| E13049-E13047 | 8 | 305 | 0.003 | 4.8 | 674.05 | 0.3 | 420 | 419 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 528,491.35 | 2.73 |
| G05055-G05053 | 8 | 353 | 0.006 | 2.7 | 583.84 | 0.3 | 485 | 483 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 694,729.04 | 3.58 |
| J08127-J08125 | 8 | 343 | 0.003 | 7.5 | 1,234.46 | 0.3 | 407.95 | 406.75 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 545,922.97 | 2.82 |
| H04039-H04037 | 8 | 289 | 0.003 | 3.5 | 973.07 | 0.31 | 475 | 474 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 542,923.81 | 2.80 |
| G12077-G12073 | 8 | 329 | 0.003 | 4.4 | 462.17 | 0.31 | 387 | 386 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 508,850.09 | 2.62 |
| J11069-J11067 | 8 | 405 | 0.002 | 3.7 | 838.46 | 0.31 | 366 | 365 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 458,627.71 | 2.37 |
| E02109-E02107 | 8 | 283 | 0.003 | 0 | 0 | 0 | 561.38 | 560.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 511,971.90 | 2.64 |
| F12035-F12033 | 8 | 174 | 0.006 | 1.5 | 231.09 | 0.31 | 394 | 393 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 699,702.11 | 3.61 |
| F12033-F12009 | 8 | 290 | 0.007 | 10.7 | 224.09 | 0.31 | 393 | 391 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 766,485.26 | 3.95 |
| D07033-D07031 | 8 | 368 | 0.005 | 1.9 | 283.26 | 0.32 | 502 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 680,422.86 | 3.51 |
| F15033-F15031 | 8 | 300 | 0.003 | 2.3 | 447.29 | 0.32 | 458 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 532,877.25 | 2.75 |
| G05061-G05059 | 8 | 249 | 0.004 | 3.1 | 958.19 | 0.32 | 473 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 584,908.77 | 3.02 |
| J07143-J08127 | 8 | 199 | 0.004 | 3.5 | 1,238.70 | 0.31 | 408.65 | 407.95 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 547,406.93 | 2.82 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| F14043-F14041 | 8 | 301 | 0.003 | 2.8 | 462.17 | 0.32 | 443 | 442 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 531,991.34 | 2.74 |
| J06007-J06005 | 8 | 301 | 0.009 | 2.4 | 725.83 | 0.34 | 421.58 | 418.88 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 874,150.97 | 4.51 |
| F02011-F03149 | 8 | 213 | 0.005 | 3.2 | 340.99 | 0.32 | 533.28 | 532.12 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 681,125.28 | 3.51 |
| B01084-B01082 | 8 | 153 | 0.004 | 2.6 | 623.87 | 0.32 | 691.59 | 691.05 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 548,326.17 | 2.83 |
| H05075-H05073 | 8 | 227 | 0.009 | 1.9 | 156.72 | 0.31 | 457 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 866,343.01 | 4.47 |
| F12031-F12029 | 8 | 163 | 0.006 | 1.4 | 231.09 | 0.32 | 397 | 396 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 722,926.27 | 3.73 |
| E02107-E02105 | 8 | 256 | 0.002 | 0 | 0 | 0 | 560.5 | 559.9 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 443,380.67 | 2.29 |
| H11005-H11001 | 8 | 169 | 0.004 | 3.4 | 628.85 | 0.32 | 369 | 368.39 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 554,509.99 | 2.86 |
| J06013-J06011 | 8 | 34 | 0.006 | 2.4 | 733.57 | 0.31 | 425.27 | 425.05 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 742,437.14 | 3.83 |
| F12047-F12045 | 8 | 301 | 0.003 | 2.7 | 667.95 | 0.33 | 394 | 393 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 531,991.34 | 2.74 |
| L13127-L13125 | 10 | 106 | 0.005 | 100 | 374,138.61 | 0.32 | 328 | 327.5 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,149,334.86 | 3.56 |
| C02035-C02033 | 8 | 147 | 0.007 | 1.6 | 312.2 | 0.32 | 654 | 653 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 761,253.22 | 3.93 |
| G05087-G05085 | 8 | 289 | 0.007 | 2.7 | 583.84 | 0.32 | 475 | 473 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 767,810.21 | 3.96 |
| J07145-J07143 | 8 | 315 | 0.003 | 3.5 | 1,242.88 | 0.33 | 409.75 | 408.65 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 545,417.25 | 2.81 |
| E03193-E03191 | 8 | 86 | 0.006 | 2.4 | 546.81 | 0.33 | 563.5 | 563 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 703,758.39 | 3.63 |
| G05031-G05029 | 8 | 279 | 0.007 | 2.8 | 583.84 | 0.32 | 482 | 480 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 781,449.11 | 4.03 |
| F07023-F07021 | 8 | 166 | 0.006 | 7.5 | 500.14 | 0.33 | 457 | 456 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 716,364.02 | 3.69 |
| F14005-G14033 | 8 | 294 | 0.003 | 2.3 | 462.17 | 0.33 | 435 | 434 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 538,287.31 | 2.78 |
| F15025-F15023 | 8 | 291 | 0.003 | 2.6 | 462.17 | 0.33 | 464 | 463 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 541,054.87 | 2.79 |
| G04073-G04071 | 8 | 341 | 0.006 | 3.7 | 778.46 | 0.34 | 478 | 476 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 706,847.32 | 3.65 |
| D19005-D19003 | 8 | 300 | 0.004 | 4.5 | 675.45 | 0.33 | 547.46 | 546.23 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 590,006.93 | 3.04 |
| C07013-C07011 | 8 | 213 | 0.014 | 0.8 | 94.42 | 0.34 | 512 | 509 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,095,364.43 | 5.65 |
| H04033-H04031 | 8 | 334 | 0.006 | 3.7 | 778.46 | 0.34 | 473 | 471 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 714,215.99 | 3.68 |
| G14115-G14113 | 8 | 59 | 0.007 | 1.4 | 231.09 | 0.33 | 397.64 | 397.23 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 769,402.74 | 3.97 |
| E13035-D13063 | 8 | 280 | 0.007 | 7.2 | 340.11 | 0.33 | 431 | 429 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 780,052.42 | 4.02 |
| G04079-G04077 | 8 | 332 | 0.006 | 3.3 | 778.46 | 0.34 | 480 | 478 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 716,364.02 | 3.69 |
| F12029-F12027 | 8 | 222 | 0.008 | 1.4 | 223.99 | 0.33 | 396 | 394.14 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 844,827.01 | 4.36 |
| E03145-E03143 | 8 | 297 | 0.01 | 3.3 | 522.32 | 0.36 | 559 | 556 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 927,620.23 | 4.78 |
| D13013-D13009 | 8 | 140 | 0.001 | 6.4 | 2,659.86 | 0.34 | 425.8 | 425.62 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 330,948.21 | 1.71 |
| H14031-H14027 | 8 | 34 | 0.009 | 5.2 | 220.01 | 0.33 | 395.33 | 395.01 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 895,412.88 | 4.62 |
| G05063-G05061 | 8 | 250 | 0.008 | 2.5 | 583.36 | 0.33 | 475 | 473 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 825,529.89 | 4.26 |
| E03155-E03151 | 8 | 145 | 0.007 | 2.2 | 539.62 | 0.33 | 561 | 560 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 766,485.26 | 3.95 |
| E12093-E12091 | 8 | 255 | 0.004 | 3.3 | 680.22 | 0.34 | 416 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 577,986.53 | 2.98 |
| D13055-D13053 | 8 | 253 | 0.004 | 2.8 | 736.07 | 0.34 | 425 | 424 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 580,266.56 | 2.99 |
| F12049-F12047 | 8 | 292 | 0.01 | 2 | 223.95 | 0.34 | 396.8 | 394 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 903,806.37 | 4.66 |
| B02026-B01050 | 8 | 0 | 0.008 | 1.6 | 312.2 | 0.34 | 684.51 | 682.12 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 846,696.16 | 4.37 |
| D07045-D07043 | 8 | 278 | 0.011 | 1.6 | 188.84 | 0.34 | 504 | 501 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 958,795.61 | 4.94 |
| G12079-G12071 | 8 | 250 | 0.004 | 9.2 | 462.17 | 0.35 | 386 | 385 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 583,737.78 | 3.01 |
| F14035-F14033 | 8 | 284 | 0.004 | 2.3 | 462.17 | 0.35 | 438.98 | 437.84 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 584,764.59 | 3.02 |
| G10067-G10061 | 8 | 320 | 0.001 | 8.7 | 2,289.47 | 0.35 | 396.25 | 395.86 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 322,214.53 | 1.66 |
| F09005-F09003 | 8 | 106 | 0.001 | 6.7 | 2,634.85 | 0.35 | 421.8 | 421.69 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 297,324.86 | 1.53 |
| G12105-G12103 | 8 | 138 | 0.004 | 2.4 | 462.17 | 0.35 | 377.06 | 376.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,952.55 | 3.03 |
| F06153-F06151 | 8 | 202 | 0.005 | 4.9 | 520.19 | 0.35 | 493 | 492 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 649,399.76 | 3.35 |
| G10073-G10071 | 8 | 231 | 0.004 | 2.6 | 459.77 | 0.35 | 401 | 400 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 607,269.99 | 3.13 |
| F09077-F09075 | 8 | 89 | 0.011 | 1.4 | 188.84 | 0.39 | 419 | 418 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 978,346.74 | 5.05 |
| H12049-H12047 | 8 | 159 | 0.001 | 5.3 | 1,617.60 | 0.35 | 366.22 | 366 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 343,321.17 | 1.77 |
| G05077-G05069 | 8 | 111 | 0.009 | 3.4 | 583.84 | 0.35 | 471 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 876,044.80 | 4.52 |
| B02009-B02007 | 8 | 294 | 0.004 | 2.9 | 920.94 | 0.35 | 689.61 | 688.38 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 594,969.23 | 3.07 |
| D07006-D07005 | 8 | 194 | 0.01 | 4.4 | 154.47 | 0.35 | 490 | 488 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 937,134.53 | 4.83 |
| J06001-J07029 | 8 | 276 | 0.014 | 2.3 | 713.28 | 0.35 | 417.9 | 413.9 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,111,125.88 | 5.73 |
| J07147-J07145 | 8 | 229 | 0.003 | 3.5 | 1,244.41 | 0.35 | 410.55 | 409.75 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 545,525.50 | 2.81 |
| D01021-D01019 | 8 | 248 | 0.004 | 3.2 | 720.53 | 0.35 | 609 | 608 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 586,086.84 | 3.02 |
| E02085-E02082 | 8 | 145 | 0.004 | 4.7 | 681.98 | 0.35 | 564.03 | 563.51 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 552,720.38 | 2.85 |
| H13011-H13009 | 8 | 195 | 0.002 | 3.6 | 924.34 | 0.36 | 371 | 370.52 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 457,921.59 | 2.36 |
| H05039-H05037 | 8 | 322 | 0.003 | 4.7 | 1,925.69 | 0.36 | 467 | 466 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 514,351.33 | 2.65 |
| G09087-G09083 | 8 | 216 | 0.005 | 2.1 | 459.77 | 0.36 | 406 | 405 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 628,001.86 | 3.24 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| C07047-C07035 | 8 | 246 | 0.004 | 2.8 | 659.44 | 0.37 | 522 | 521 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 588,464.48 | 3.03 |
| D08111-D08109 | 15 | 390 | 0.003 | 3.8 | 1,621.37 | 0.36 | 468 | 467 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,498,382.31 | 3.22 |
| G05037-G05035 | 8 | 279 | 0.007 | 2.8 | 778.46 | 0.36 | 480 | 478 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 781,449.11 | 4.03 |
| C06071-C06067 | 8 | 59 | 0.017 | 1.1 | 94.42 | 0.36 | 576 | 575 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,201,605.21 | 6.20 |
| F09025-F09023 | 15 | 242 | 0.004 | 3.7 | 827.55 | 0.37 | 429 | 428 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,171,637.30 | 4.09 |
| C02106-C02105 | 8 | 0 | 0.007 | 2.6 | 902.56 | 0.36 | 672.18 | 671.45 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 769,581.44 | 3.97 |
| G05049-G05047 | 8 | 290 | 0.003 | 4.3 | 1,888.76 | 0.35 | 480 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 541,986.92 | 2.80 |
| D08081-D08075 | 8 | 238 | 0.013 | 1.9 | 188.84 | 0.4 | 492 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,036,239.05 | 5.34 |
| F12053-F12051 | 8 | 206 | 0.009 | 1.3 | 231.09 | 0.36 | 399 | 397.15 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 874,661.60 | 4.51 |
| F12045-F12043 | 8 | 194 | 0.005 | 2.8 | 653.1 | 0.36 | 393 | 392 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 662,654.18 | 3.42 |
| F09067-G09011 | 8 | 348 | 0.003 | 3.3 | 941.8 | 0.36 | 415 | 414 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 494,764.11 | 2.55 |
| F12051-F12049 | 8 | 31 | 0.011 | 1.2 | 224.13 | 0.36 | 397.15 | 396.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 980,710.86 | 5.06 |
| H11053-G11051 | 8 | 286 | 0.003 | 4 | 650.74 | 0.35 | 387 | 386 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 545,763.88 | 2.81 |
| K14049-K14037 | 8 | 181 | 0.006 | 6.2 | 447.77 | 0.34 | 327 | 326 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 686,038.55 | 3.54 |
| J06015-J06013 | 8 | 34 | 0.009 | 2.3 | 733.95 | 0.35 | 425.59 | 425.27 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 895,412.88 | 4.62 |
| G04071-G04069 | 8 | 349 | 0.003 | 5.3 | 2,309.03 | 0.37 | 476 | 475 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 494,054.77 | 2.55 |
| D15037-D15035 | 8 | 218 | 0.001 | 9.1 | 4,754.12 | 0.37 | 459.32 | 459.12 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 279,559.70 | 1.44 |
| E13125-E13123 | 8 | 210 | 0.005 | 2.9 | 680.22 | 0.37 | 415 | 414 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 636,910.14 | 3.28 |
| C07009-C07007 | 8 | 89 | 0.011 | 1.2 | 187.92 | 0.36 | 507 | 506 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 978,346.74 | 5.05 |
| J11137-J11135 | 8 | 333 | 0.003 | 4.5 | 1,204.02 | 0.37 | 373 | 372 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 505,784.70 | 2.61 |
| H04031-H04029 | 8 | 342 | 0.003 | 6.7 | 2,309.78 | 0.37 | 471 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 499,085.27 | 2.57 |
| H13047-H13019 | 8 | 248 | 0.002 | 9.2 | 1,118.40 | 0.36 | 372 | 371.44 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 438,587.23 | 2.26 |
| G03041-G03039 | 8 | 194 | 0.004 | 3.2 | 681.98 | 0.38 | 510.87 | 510 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 618,082.67 | 3.19 |
| K07015-K07011 | 8 | 161 | 0.03 | 2.2 | 702.63 | 0.37 | 410.32 | 405.54 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,590,335.73 | 8.20 |
| C06089-C06085 | 8 | 147 | 0.014 | 1.1 | 188.84 | 0.41 | 607 | 605 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,076,574.62 | 5.55 |
| J06029-J06025 | 8 | 274 | 0.007 | 2.5 | 738.2 | 0.37 | 430.05 | 428.08 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 782,610.44 | 4.04 |
| K13023-K13021 | 8 | 304 | 0.003 | 3.4 | 895.53 | 0.37 | 334 | 333 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 529,359.87 | 2.73 |
| E13039-E13037 | 8 | 210 | 0.005 | 3.5 | 709.78 | 0.37 | 428 | 427 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 636,910.14 | 3.28 |
| J07149-J07147 | 8 | 254 | 0.004 | 3.6 | 1,261.59 | 0.37 | 411.44 | 410.55 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 546,343.72 | 2.82 |
| H06047-H06045 | 8 | 217 | 0.005 | 3.1 | 626.87 | 0.37 | 452 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 626,553.18 | 3.23 |
| G04033-G05019 | 8 | 306 | 0.003 | 4.8 | 2,267.38 | 0.37 | 486 | 485 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 527,627.10 | 2.72 |
| F07011-F07009 | 8 | 170 | 0.006 | 2.8 | 520.19 | 0.35 | 456 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 707,886.04 | 3.65 |
| E14057-E14055 | 8 | 199 | 0.005 | 3.6 | 680.22 | 0.38 | 449 | 448 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 654,276.42 | 3.37 |
| F13005-F13003 | 8 | 201 | 0.01 | 1.7 | 231.09 | 0.37 | 401 | 399 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 920,671.66 | 4.75 |
| C02073-C02071 | 8 | 273 | 0.011 | 1.9 | 312.2 | 0.37 | 631 | 628 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 967,535.95 | 4.99 |
| E03151-E03147 | 4 | 78 | 0.006 | 5.1 | 534.78 | 0.35 | 560 | 559.5 | Vitrified Clay Pipe-Circular-4 inch | 0.1 | 116,380.13 | 1.80 |
| G12053-G12023 | 8 | 184 | 0.003 | 13.9 | 924.34 | 0.38 | 381.87 | 381.36 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 485,919.12 | 2.51 |
| E14103-E14099 | 8 | 197 | 0.005 | 4.4 | 680.22 | 0.38 | 438 | 437 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 657,589.23 | 3.39 |
| F07005-F07003 | 8 | 167 | 0.006 | 3.4 | 520.19 | 0.35 | 453 | 452 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 714,215.99 | 3.68 |
| E18101-E18099 | 8 | 97 | 0.01 | 1.9 | 340.11 | 0.37 | 540 | 539 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 937,134.53 | 4.83 |
| E02099-E02097 | 8 | 292 | 0.006 | 0.8 | 0 | 0 | 556.03 | 554.38 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 689,102.66 | 3.55 |
| G09137-G09135 | 8 | 400 | 0.005 | 3.5 | 726.21 | 0.38 | 425 | 423 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 652,638.68 | 3.37 |
| G14063-G14061 | 8 | 198 | 0.005 | 2.6 | 462.17 | 0.38 | 405 | 404 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,926.55 | 3.38 |
| J07161-J07153 | 8 | 203 | 0.002 | 4.1 | 1,391.41 | 0.37 | 416.66 | 416.18 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 448,807.81 | 2.31 |
| H13017-H13015 | 8 | 195 | 0.003 | 3.6 | 924.34 | 0.38 | 372 | 371.45 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 490,175.78 | 2.53 |
| G05073-G05071 | 8 | 295 | 0.003 | 5.1 | 2,114.04 | 0.38 | 472 | 471 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 537,374.18 | 2.77 |
| F02080-F02079 | 8 | 116 | 0.009 | 2.4 | 340.99 | 0.37 | 540.28 | 539.09 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 857,080.76 | 4.42 |
| H13037-H13035 | 8 | 208 | 0.001 | 5.6 | 2,035.87 | 0.37 | 373.2 | 372.9 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 350,523.20 | 1.81 |
| E11085-E11083 | 8 | 189 | 0.005 | 3.2 | 680.22 | 0.38 | 414 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 671,362.23 | 3.46 |
| F09065-F09063 | 8 | 319 | 0.006 | 2.2 | 377.67 | 0.36 | 417 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 730,815.02 | 3.77 |
| F12041-F12037 | 8 | 310 | 0.003 | 3.7 | 1,298.08 | 0.38 | 390 | 389 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 524,212.00 | 2.70 |
| G09165-G09163 | 8 | 246 | 0.004 | 3.5 | 1,037.03 | 0.38 | 418 | 417 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 588,464.48 | 3.03 |
| G10071-G10069 | 8 | 302 | 0.003 | 3.1 | 918.32 | 0.38 | 400 | 399 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 531,109.83 | 2.74 |
| J11099-J11095 | 8 | 307 | 0.005 | 2.8 | 695.48 | 0.39 | 375.66 | 374 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 678,691.90 | 3.50 |
| F18047-F18033 | 12 | 70 | 0.014 | 6.5 | 340.11 | 0.39 | 547 | 546 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,252,486.32 | 6.29 |
| F05135-F05133 | 8 | 302 | 0.003 | 4.1 | 1,022.97 | 0.39 | 502 | 501 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 531,109.83 | 2.74 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| C06103-C06097 | 8 | 204 | 0.005 | 2.8 | 566.51 | 0.39 | 612 | 611 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 646,208.59 | 3.33 |
| F15029-F15027 | 8 | 291 | 0.003 | 3.8 | 1,110.17 | 0.38 | 454 | 453.12 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 507,554.46 | 2.62 |
| E13113-E13111 | 8 | 183 | 0.005 | 3.9 | 680.22 | 0.39 | 416 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 682,279.41 | 3.52 |
| C07007-D07027 | 8 | 346 | 0.012 | 1.8 | 281.98 | 0.38 | 506 | 502 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 992,384.00 | 5.12 |
| F03053-F03051 | 8 | 364 | 0.003 | 4.7 | 1,363.96 | 0.39 | 520 | 519 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 483,767.98 | 2.49 |
| F03079-F03077 | 8 | 298 | 0.003 | 3.8 | 1,022.97 | 0.39 | 513 | 512 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 534,662.44 | 2.76 |
| K14097-K14095 | 8 | 93 | 0.001 | 11.1 | 5,248.28 | 0.39 | 321.6 | 321.52 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 270,701.91 | 1.40 |
| D07035-D07013 | 8 | 91 | 0.011 | 3.7 | 282.46 | 0.38 | 494 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 967,535.95 | 4.99 |
| H12057-H12055 | 8 | 182 | 0.005 | 2.6 | 462.17 | 0.39 | 374 | 373 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 684,151.23 | 3.53 |
| F03039-F03037 | 8 | 358 | 0.003 | 4.7 | 1,363.96 | 0.39 | 526 | 525 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 487,805.05 | 2.52 |
| G04053-G04051 | 8 | 339 | 0.009 | 2.8 | 778.46 | 0.39 | 494 | 491 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 868,257.58 | 4.48 |
| G05153-G05151 | 8 | 105 | 0.01 | 1.9 | 340.99 | 0.39 | 488 | 487 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 900,726.95 | 4.65 |
| G05075-G05073 | 8 | 305 | 0.007 | 3.6 | 973.07 | 0.37 | 474 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 747,399.64 | 3.85 |
| H05033-H05031 | 8 | 335 | 0.009 | 3 | 778.46 | 0.39 | 469 | 466 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 873,425.83 | 4.50 |
| C07073-C07057 | 8 | 391 | 0.005 | 3.2 | 566.51 | 0.39 | 520 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 660,107.13 | 3.40 |
| F10047-F10045 | 8 | 299 | 0.007 | 2.4 | 377.67 | 0.37 | 416 | 414 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 754,861.39 | 3.89 |
| C07075-C07055 | 8 | 390 | 0.005 | 3.8 | 566.51 | 0.39 | 517 | 515 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 660,952.88 | 3.41 |
| J07151-J07149 | 8 | 324 | 0.003 | 3.6 | 1,268.72 | 0.39 | 412.57 | 411.44 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 545,072.82 | 2.81 |
| F06033-F06031 | 8 | 109 | 0.009 | 2.5 | 505.02 | 0.39 | 478 | 477 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 884,045.38 | 4.56 |
| F14121-F14119 | 8 | 251 | 0.004 | 3.5 | 1,020.33 | 0.4 | 448 | 447 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 582,573.80 | 3.00 |
| E02101-E02099 | 8 | 296 | 0.006 | 0 | 0 | 0 | 557.7 | 556.03 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 690,936.14 | 3.56 |
| F14137-F14135 | 8 | 248 | 0.012 | 1.5 | 340.11 | 0.38 | 431 | 428 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,015,132.18 | 5.24 |
| G14093-G14091 | 8 | 175 | 0.006 | 2.6 | 462.17 | 0.4 | 419 | 418 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 697,700.10 | 3.60 |
| E05125-E05123 | 8 | 196 | 0.005 | 5.5 | 681.98 | 0.4 | 531 | 530 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 659,264.62 | 3.40 |
| L13159-L13157 | 8 | 193 | 0.005 | 100 | 729.82 | 0.41 | 329 | 328 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 664,368.68 | 3.43 |
| C02126-C02124 | 8 | 300 | 0.018 | 1.7 | 303.64 | 0.4 | 655.5 | 650.2 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,226,775.56 | 6.33 |
| H13035-H13025 | 8 | 198 | 0.002 | 9.6 | 2,419.70 | 0.39 | 372.9 | 372.6 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 359,265.77 | 1.85 |
| E07107-E07105 | 8 | 250 | 0.004 | 4 | 1,040.37 | 0.4 | 486 | 485 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 583,737.78 | 3.01 |
| H13049-H13047 | 8 | 248 | 0.004 | 3.1 | 693.26 | 0.4 | 373 | 372 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 586,086.84 | 3.02 |
| F12059-F12057 | 8 | 171 | 0.006 | 2 | 462.17 | 0.4 | 398 | 397 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 705,813.16 | 3.64 |
| L13001-K13039 | 15 | 319 | 0.003 | 17.1 | 1,724.55 | 0.4 | 325 | 324 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,762,459.11 | 3.56 |
| G12103-G12101 | 8 | 351 | 0.004 | 2.5 | 672.47 | 0.38 | 376.5 | 375 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 603,364.67 | 3.11 |
| G04019-G04017 | 8 | 316 | 0.009 | 2.9 | 778.46 | 0.39 | 490 | 487 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 899,300.62 | 4.64 |
| G10053-G10051 | 8 | 201 | 0.002 | 9 | 1,379.30 | 0.41 | 402 | 401.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 460,335.83 | 2.37 |
| G12061-G12059 | 8 | 304 | 0.003 | 4 | 924.34 | 0.4 | 385 | 384 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 529,359.87 | 2.73 |
| F06035-F06033 | 8 | 354 | 0.008 | 1.9 | 520.19 | 0.41 | 481 | 478 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 849,663.19 | 4.38 |
| F02079-F02078 | 8 | 232 | 0.004 | 4.3 | 1,074.50 | 0.4 | 539.09 | 538.32 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 554,936.60 | 2.86 |
| D15001-E15011 | 8 | 297 | 0.003 | 4.8 | 1,366.37 | 0.4 | 466 | 465 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 535,561.79 | 2.76 |
| H11009-H12079 | 8 | 270 | 0.004 | 4.6 | 1,257.69 | 0.4 | 366 | 365 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 561,701.94 | 2.90 |
| F02159-F02158 | 8 | 300 | 0.009 | 11.8 | 435.47 | 0.41 | 541.62 | 540.18 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 859,636.82 | 4.43 |
| F05153-F05151 | 8 | 328 | 0.003 | 3.9 | 1,363.96 | 0.41 | 506 | 505 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 509,625.19 | 2.63 |
| E17023-E16091 | 8 | 235 | 0.004 | 4.2 | 1,020.33 | 0.39 | 506 | 505 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 602,079.55 | 3.11 |
| J06011-J06009 | 8 | 175 | 0.014 | 2.4 | 733.12 | 0.39 | 425.05 | 422.63 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,085,366.63 | 5.60 |
| C06105-C06057 | 8 | 210 | 0.005 | 5.1 | 1,129.22 | 0.4 | 538 | 537 | Concrete-Circular-8 inch | 0.3 | 538,923.96 | 2.78 |
| G05125-G05115 | 8 | 325 | 0.003 | 5.1 | 1,363.96 | 0.41 | 492 | 491 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 511,971.90 | 2.64 |
| G13133-G13131 | 8 | 327 | 0.006 | 3.6 | 462.17 | 0.41 | 384 | 382 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 721,820.03 | 3.72 |
| F10045-G10019 | 8 | 261 | 0.004 | 3.1 | 942.16 | 0.41 | 414 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 571,304.38 | 2.95 |
| D07027-D07017 | 8 | 357 | 0.006 | 3.4 | 657.86 | 0.4 | 502 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 690,826.04 | 3.56 |
| C03037-C03035 | 8 | 219 | 0.005 | 2.9 | 935.95 | 0.4 | 690 | 689 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 623,685.65 | 3.22 |
| G05025-G05023 | 8 | 279 | 0.007 | 3.1 | 973.07 | 0.38 | 484 | 482 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 781,449.11 | 4.03 |
| D13017-D13015 | 8 | 192 | 0.005 | 4.1 | 844.31 | 0.4 | 427 | 426 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 666,096.56 | 3.44 |
| G09083-G09077 | 8 | 349 | 0.009 | 6.2 | 458.66 | 0.41 | 405 | 402 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 855,727.96 | 4.41 |
| F04069-F04067 | 8 | 321 | 0.003 | 4.3 | 1,363.96 | 0.41 | 505 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 515,151.88 | 2.66 |
| F14135-F13087 | 8 | 252 | 0.016 | 1.5 | 337.61 | 0.45 | 428 | 424 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,162,833.49 | 6.00 |
| F15145-F15143 | 8 | 219 | 0.014 | 2.7 | 340.11 | 0.41 | 455 | 452 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,080,255.23 | 5.57 |
| J11075-J12071 | 8 | 316 | 0.003 | 4.5 | 1,676.92 | 0.41 | 367 | 366 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 519,211.46 | 2.68 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| C02053-C02051 | 8 | 151 | 0.007 | 3.4 | 624.39 | 0.41 | 643 | 642 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 751,102.72 | 3.87 |
| G13073-G13071 | 8 | 232 | 0.004 | 6.3 | 708.01 | 0.41 | 406 | 405 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 605,959.80 | 3.13 |
| G05079-G05067 | 8 | 324 | 0.003 | 6.2 | 3,423.89 | 0.41 | 468 | 467 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 512,761.37 | 2.64 |
| J06017-J06015 | 8 | 123 | 0.013 | 2.1 | 735.05 | 0.4 | 427.17 | 425.59 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,046,077.34 | 5.40 |
| G05071-G05069 | 8 | 308 | 0.003 | 5.6 | 3,223.21 | 0.41 | 471 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 525,911.24 | 2.71 |
| H11111-H11109 | 6 | 220 | 0.009 | 3 | 419.23 | 0.41 | 374 | 372 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 408,621.77 | 3.16 |
| F06025-F06001 | 8 | 221 | 0.005 | 5.4 | 1,465.51 | 0.39 | 470 | 469 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 620,857.13 | 3.20 |
| E02103-E02101 | 8 | 191 | 0.006 | 0 | 0 | 0 | 558.84 | 557.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 702,113.17 | 3.62 |
| G07021-G07019 | 8 | 228 | 0.004 | 3.7 | 1,040.37 | 0.41 | 471 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 611,252.13 | 3.15 |
| E12073-E12071 | 8 | 77 | 0.006 | 4.4 | 680.22 | 0.41 | 415 | 414.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 743,750.80 | 3.84 |
| E06129-E06127 | 8 | 271 | 0.002 | 6.6 | 3,101.34 | 0.41 | 496.5 | 496 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 396,449.76 | 2.04 |
| F13119-F13117 | 8 | 222 | 0.005 | 3.2 | 1,020.33 | 0.39 | 414 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 619,457.22 | 3.19 |
| H05029-H05027 | 8 | 320 | 0.003 | 8.7 | 3,430.13 | 0.42 | 464 | 463 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 515,956.18 | 2.66 |
| E13043-E13041 | 8 | 221 | 0.005 | 3.9 | 1,020.33 | 0.39 | 426 | 425 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 620,857.13 | 3.20 |
| J11095-J11093 | 8 | 213 | 0.005 | 5.3 | 1,139.86 | 0.4 | 374 | 373 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 632,408.95 | 3.26 |
| H06051-H06041 | 8 | 182 | 0.005 | 3.7 | 783.59 | 0.42 | 448 | 447 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 684,151.23 | 3.53 |
| G09171-G09169 | 8 | 395 | 0.013 | 1.9 | 405.93 | 0.4 | 424 | 419 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,038,422.91 | 5.36 |
| E15093-E14033 | 8 | 272 | 0.004 | 5.2 | 1,360.44 | 0.41 | 454 | 453 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 559,633.05 | 2.89 |
| F14041-F14037 | 8 | 298 | 0.003 | 3.4 | 1,118.37 | 0.42 | 442 | 441 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 534,662.44 | 2.76 |
| F15071-F15069 | 8 | 137 | 0.015 | 2.1 | 340.11 | 0.41 | 468 | 466 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,115,173.71 | 5.75 |
| G05053-G05051 | 8 | 298 | 0.007 | 3.2 | 1,339.29 | 0.42 | 483 | 481 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 756,126.87 | 3.90 |
| F03067-F03065 | 8 | 300 | 0.003 | 4.3 | 1,363.96 | 0.42 | 522 | 521 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 532,877.25 | 2.75 |
| D13057-D13055 | 8 | 253 | 0.012 | 2.1 | 398.84 | 0.41 | 428 | 425 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,005,051.17 | 5.18 |
| G13075-F13031 | 8 | 272 | 0.004 | 10.9 | 936.33 | 0.42 | 402 | 401 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 559,633.05 | 2.89 |
| D11069-D11067 | 8 | 110 | 0.009 | 2.3 | 563.86 | 0.42 | 433 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 880,017.82 | 4.54 |
| F03071-F03069 | 8 | 298 | 0.003 | 4.7 | 1,363.96 | 0.42 | 519 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 534,662.44 | 2.76 |
| F03075-F03073 | 8 | 298 | 0.003 | 4.3 | 1,363.96 | 0.42 | 516 | 515 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 534,662.44 | 2.76 |
| J06031-J06029 | 8 | 266 | 0.007 | 2.3 | 746.44 | 0.39 | 432.04 | 430.05 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 798,313.60 | 4.12 |
| G04115-G04113 | 8 | 492 | 0.002 | 6.1 | 2,380.76 | 0.41 | 497 | 496 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 416,107.22 | 2.15 |
| F04125-F04123 | 8 | 201 | 0.002 | 6.2 | 2,045.94 | 0.42 | 516.46 | 515.99 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 446,312.15 | 2.30 |
| D14127-D14125 | 8 | 260 | 0.004 | 3.6 | 1,359.82 | 0.42 | 474 | 473 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 572,401.99 | 2.95 |
| G05085-H05053 | 8 | 299 | 0.007 | 3.4 | 1,344.78 | 0.42 | 473 | 471 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 754,861.39 | 3.89 |
| C01020-C01019 | 8 | 293 | 0.003 | 5.8 | 2,989.45 | 0.41 | 640.71 | 639.68 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 543,535.85 | 2.80 |
| H09021-H09019 | 6 | 142 | 0.007 | 3 | 580.97 | 0.42 | 418 | 417 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 359,644.71 | 2.78 |
| E12017-E12015 | 8 | 304 | 0.003 | 8.8 | 1,700.55 | 0.42 | 416 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 529,359.87 | 2.73 |
| E03161-E03159 | 8 | 218 | 0.009 | 1.9 | 560.66 | 0.43 | 565 | 563 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 884,045.38 | 4.56 |
| E14091-E14089 | 8 | 300 | 0.003 | 9.7 | 1,700.55 | 0.42 | 435 | 434.01 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 530,206.17 | 2.73 |
| E08091-E08089 | 8 | 215 | 0.005 | 4 | 1,040.37 | 0.4 | 463 | 462 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 629,460.64 | 3.25 |
| D16083-D16081 | 8 | 55 | 0.001 | 11.4 | 7,620.95 | 0.41 | 481 | 480.95 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 278,286.07 | 1.44 |
| E04159-E04157 | 8 | 250 | 0.012 | 1.9 | 340.99 | 0.41 | 537 | 534 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,011,063.49 | 5.21 |
| F03059-F03057 | 8 | 356 | 0.003 | 4.4 | 1,704.95 | 0.43 | 518 | 517 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 489,173.37 | 2.52 |
| E11071-E11069 | 10 | 379 | 0.005 | 3.2 | 1,020.33 | 0.4 | 411 | 409 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,215,653.77 | 3.76 |
| H06019-H06017 | 8 | 344 | 0.006 | 3.1 | 783.59 | 0.43 | 447 | 445 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 703,758.39 | 3.63 |
| G05123-G05117 | 8 | 290 | 0.003 | 5.3 | 1,363.96 | 0.42 | 493 | 492 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 541,986.92 | 2.80 |
| E02082-E02080 | 8 | 301 | 0.002 | 6.7 | 3,357.95 | 0.42 | 563.51 | 563 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 380,550.47 | 1.96 |
| F03063-F03061 | 8 | 289 | 0.003 | 4.7 | 1,363.96 | 0.42 | 524 | 523 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 542,923.81 | 2.80 |
| E05071-E05069 | 8 | 129 | 0.008 | 2.5 | 560.66 | 0.4 | 526 | 525 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 812,630.19 | 4.19 |
| F15037-G15023 | 8 | 289 | 0.007 | 2 | 462.17 | 0.43 | 446 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 767,810.21 | 3.96 |
| C02132-C02130 | 8 | 274.8 | 0.017 | 1.3 | 311.88 | 0.47 | 672.64 | 667.91 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,208,269.57 | 6.23 |
| F07007-F07003 | 8 | 337 | 0.003 | 4.7 | 2,037.80 | 0.41 | 453 | 452 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 502,774.05 | 2.59 |
| F05157-F05155 | 8 | 163 | 0.012 | 2 | 340.99 | 0.42 | 505 | 503 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,022,372.13 | 5.27 |
| C02049-C02047 | 8 | 137 | 0.007 | 3.4 | 624.39 | 0.43 | 641 | 640 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 788,546.89 | 4.07 |
| J06035-J06031 | 8 | 247 | 0.007 | 2.3 | 752.71 | 0.43 | 433.82 | 432.04 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 783,518.64 | 4.04 |
| J05001-J06043 | 8 | 243 | 0.005 | 2.7 | 846.86 | 0.41 | 439.15 | 437.95 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 648,597.53 | 3.35 |
| E02073-E02072 | 8 | 80.2 | 0.006 | 3.4 | 681.98 | 0.43 | 562.2 | 561.69 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 732,369.73 | 3.78 |
| E11083-E11081 | 8 | 283 | 0.004 | 5.4 | 1,696.39 | 0.43 | 413 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 548,649.00 | 2.83 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| C03025-C03023 | 8 | 238 | 0.004 | 3.5 | 1,248.78 | 0.43 | 666 | 665 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 598,272.90 | 3.09 |
| E06143-F06099 | 8 | 355 | 0.003 | 6.2 | 2,080.74 | 0.43 | 490 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 489,861.86 | 2.53 |
| C02128-C02126 | 8 | 300 | 0.019 | 1.3 | 307.75 | 0.42 | 661.11 | 655.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,262,143.14 | 6.51 |
| H12047-H12041 | 8 | 178 | 0.002 | 12.3 | 2,458.80 | 0.43 | 366 | 365.68 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 391,338.70 | 2.02 |
| E03159-E03157 | 8 | 97 | 0.01 | 2.1 | 554.71 | 0.43 | 563 | 562 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 937,134.53 | 4.83 |
| H05041-H05039 | 8 | 334 | 0.012 | 3.3 | 778.46 | 0.42 | 471 | 467 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,010,053.95 | 5.21 |
| G08113-G08111 | 8 | 323 | 0.012 | 4.1 | 435.72 | 0.42 | 436 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,027,109.02 | 5.30 |
| F08071-F08069 | 8 | 232 | 0.004 | 4.1 | 919.53 | 0.43 | 443 | 442 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 605,959.80 | 3.13 |
| J11019-J11017 | 8 | 221 | 0.005 | 4.6 | 1,256.29 | 0.43 | 382 | 381 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 620,857.13 | 3.20 |
| F15053-F15051 | 8 | 285 | 0.004 | 3.4 | 1,155.43 | 0.44 | 451 | 450 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 546,720.52 | 2.82 |
| G11039-G11025 | 8 | 263 | 0.008 | 6 | 459.77 | 0.44 | 385 | 383 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 804,868.50 | 4.15 |
| J12061-J12059 | 8 | 481 | 0.002 | 11.1 | 3,919.33 | 0.43 | 362 | 361 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 420,838.31 | 2.17 |
| D07057-D07053 | 8 | 183 | 0.015 | 1.7 | 188.84 | 0.42 | 516.8 | 514 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,141,671.81 | 5.89 |
| F09129-F09127 | 8 | 230 | 0.004 | 3.4 | 919.53 | 0.43 | 434 | 433 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 608,588.71 | 3.14 |
| H05031-H05029 | 8 | 335 | 0.006 | 4.8 | 1,923.42 | 0.44 | 466 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 713,149.20 | 3.68 |
| G13003-G13001 | 8 | 336 | 0.003 | 4.1 | 1,386.51 | 0.44 | 389 | 388 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 503,521.67 | 2.60 |
| E14049-E14035 | 8 | 326 | 0.003 | 5.8 | 2,040.66 | 0.43 | 438 | 437 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 511,186.07 | 2.64 |
| K13033-K13031 | 8 | 276 | 0.002 | 6.4 | 2,238.84 | 0.44 | 338.2 | 337.52 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 458,128.94 | 2.36 |
| H11003-H11001 | 8 | 124 | 0.005 | 3.8 | 1,153.40 | 0.44 | 369 | 368.39 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 647,354.07 | 3.34 |
| D08095-D08093 | 8 | 376 | 0.008 | 1.8 | 449.91 | 0.41 | 479 | 476 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 824,431.38 | 4.25 |
| C07069-C07067 | 8 | 189 | 0.011 | 1.7 | 377.67 | 0.44 | 530 | 528 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 949,449.57 | 4.90 |
| H11001-H12075 | 8 | 239 | 0.004 | 5 | 1,984.19 | 0.44 | 368.39 | 367.54 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 550,425.21 | 2.84 |
| E12023-E12013 | 12 | 229 | 0.009 | 3.8 | 680.22 | 0.43 | 416 | 414 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,543,090.14 | 4.92 |
| K14073-K14071 | 8 | 313 | 0.003 | 8.7 | 1,682.09 | 0.43 | 330 | 329 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 521,693.76 | 2.69 |
| G05081-G05079 | 8 | 320 | 0.006 | 4.8 | 1,914.51 | 0.45 | 470 | 468 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 729,672.23 | 3.76 |
| J06039-J06035 | 8 | 247 | 0.007 | 2.3 | 754.47 | 0.44 | 435.58 | 433.82 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 779,104.41 | 4.02 |
| G04017-G04015 | 8 | 322 | 0.006 | 4 | 1,730.49 | 0.44 | 487 | 485 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 727,402.63 | 3.75 |
| C06075-C06073 | 8 | 354 | 0.003 | 5 | 1,881.51 | 0.43 | 554 | 553 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 490,553.27 | 2.53 |
| E03141-E03139 | 8 | 270 | 0.004 | 5 | 1,681.98 | 0.44 | 569 | 568 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 561,701.94 | 2.90 |
| F08081-F08079 | 8 | 221 | 0.005 | 4.1 | 919.53 | 0.44 | 439 | 438 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 620,857.13 | 3.20 |
| G04039-H04011 | 8 | 302 | 0.01 | 3.2 | 1,155.86 | 0.44 | 479 | 476 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 919,909.20 | 4.74 |
| E12113-E12111 | 8 | 461 | 0.002 | 6 | 3,060.99 | 0.44 | 411 | 410 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 429,870.20 | 2.22 |
| E11159-E11157 | 8 | 131 | 0.008 | 2.4 | 698.83 | 0.44 | 407 | 406 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 806,403.05 | 4.16 |
| F15011-F15009 | 8 | 329 | 0.006 | 2.6 | 693.26 | 0.45 | 457 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 719,622.70 | 3.71 |
| G14097-G14095 | 8 | 281 | 0.001 | 9.1 | 4,953.51 | 0.43 | 397.06 | 396.78 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 291,349.09 | 1.50 |
| F12057-F12047 | 8 | 301 | 0.01 | 2.2 | 447.61 | 0.45 | 397 | 394 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 921,436.02 | 4.75 |
| H09019-G09155 | 8 | 246 | 0.008 | 2.6 | 684.06 | 0.41 | 417 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 832,214.45 | 4.29 |
| D03131-D03129 | 8 | 266 | 0.004 | 4.3 | 1,681.98 | 0.44 | 585 | 584 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 565,909.51 | 2.92 |
| D11083-D11081 | 8 | 266 | 0.004 | 5.1 | 1,720.62 | 0.44 | 448 | 447 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 565,909.51 | 2.92 |
| J11073-J12067 | 8 | 160 | 0.006 | 3.8 | 1,048.08 | 0.45 | 370 | 369 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 729,672.23 | 3.76 |
| F07077-F07075 | 8 | 253 | 0.004 | 4.7 | 1,560.56 | 0.44 | 471 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 580,266.56 | 2.99 |
| J06091-J06089 | 8 | 47 | 0.007 | 7.5 | 691.25 | 0.44 | 430.66 | 430.33 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 773,385.18 | 3.99 |
| E12091-E12085 | 8 | 253 | 0.004 | 8.2 | 1,694.58 | 0.44 | 415 | 414 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 580,266.56 | 2.99 |
| J12057-J12055 | 8 | 430 | 0.006 | 3.8 | 1,046.78 | 0.45 | 364.75 | 362 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 738,108.02 | 3.81 |
| F07141-F07139 | 8 | 385 | 0.003 | 5.3 | 2,600.93 | 0.44 | 468 | 467 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 470,389.31 | 2.43 |
| F14047-F14045 | 8 | 217 | 0.005 | 3.3 | 903.13 | 0.44 | 430 | 429 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 626,553.18 | 3.23 |
| G04075-G04069 | 8 | 252 | 0.004 | 5.5 | 3,224.55 | 0.44 | 476 | 475 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 581,416.75 | 3.00 |
| C02086-C02084 | 8 | 0 | 0.003 | 5 | 2,506.92 | 0.43 | 653.57 | 652.92 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 528,824.89 | 2.73 |
| C02084-C02082 | 8 | 224.2 | 0.004 | 4.8 | 2,487.28 | 0.44 | 652.92 | 652.13 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 570,185.51 | 2.94 |
| J11145-J11143 | 8 | 99 | 0.004 | 4.4 | 1,564.92 | 0.44 | 372.18 | 371.77 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 593,966.76 | 3.06 |
| F09059-F10043 | 8 | 265 | 0.011 | 1.9 | 377.25 | 0.44 | 418 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 982,031.68 | 5.06 |
| F04083-F04079 | 8 | 199 | 0.002 | 5.9 | 2,695.61 | 0.44 | 523.54 | 523.08 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 443,751.86 | 2.29 |
| F14017-F14015 | 8 | 378 | 0.008 | 2.3 | 462.17 | 0.45 | 448 | 445 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 822,247.45 | 4.24 |
| F09075-F09067 | 8 | 297 | 0.01 | 2.5 | 471.76 | 0.45 | 418 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 927,620.23 | 4.78 |
| G04035-G04033 | 8 | 298 | 0.007 | 4.2 | 1,724.61 | 0.45 | 488 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 756,126.87 | 3.90 |
| G07017-G07015 | 8 | 310 | 0.003 | 5.3 | 2,080.74 | 0.44 | 459 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 524,212.00 | 2.70 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|-------------------------------------|-------------------------------------|----------------|-----------------------------|
| G09163-G09159 | 8 | 240 | 0.004 | 3.9 | 1,683.12 | 0.45 | 417 | 415.94 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 613,387.78 | 3.16 |
| G04013-G04011 | 8 | 256 | 0.004 | 6.1 | 3,569.91 | 0.45 | 482 | 481 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| D13113-D13061 | 8 | 228 | 0.004 | 9 | 1,455.33 | 0.45 | 427 | 426 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 611,252.13 | 3.15 |
| H06049-H06043 | 8 | 130 | 0.008 | 3.2 | 626.87 | 0.45 | 450 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 809,498.65 | 4.17 |
| D02109-E02029 | 8 | 460 | 0.005 | 0 | 0 | 0 | 591.82 | 589.51 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 654,055.92 | 3.37 |
| E14039-E14037 | 8 | 255 | 0.004 | 4.1 | 1,700.55 | 0.45 | 440 | 439 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 577,986.53 | 2.98 |
| E13123-F13127 | 8 | 205 | 0.005 | 3.9 | 1,355.87 | 0.45 | 414 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 644,630.54 | 3.32 |
| G05059-G05057 | 8 | 258 | 0.008 | 3.4 | 1,515.18 | 0.45 | 472 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 812,630.19 | 4.19 |
| G05029-G05027 | 8 | 303 | 0.007 | 3.6 | 1,734.83 | 0.45 | 480 | 478 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 749,862.25 | 3.87 |
| F15019-F15015 | 8 | 313 | 0.003 | 4.2 | 1,775.80 | 0.46 | 458 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 521,693.76 | 2.69 |
| E11105-E11103 | 8 | 152 | 0.007 | 3.4 | 1,020.33 | 0.46 | 416 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 748,627.91 | 3.86 |
| E11155-E11153 | 8 | 323 | 0.003 | 8 | 2,340.73 | 0.46 | 405 | 404 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 513,554.51 | 2.65 |
| F02049-F02047 | 8 | 153 | 0.015 | 1.5 | 340.99 | 0.44 | 532.27 | 529.97 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,131,634.06 | 5.84 |
| J11143-J11141 | 8 | 247 | 0.003 | 5 | 2,399.36 | 0.46 | 371.77 | 371 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 515,329.13 | 2.66 |
| G04007-G04005 | 8 | 285 | 0.014 | 2.9 | 778.46 | 0.44 | 486 | 482 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,093,441.05 | 5.64 |
| H11095-H11093 | 8 | 318 | 0.003 | 6 | 1,589.63 | 0.46 | 383 | 382 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 517,576.14 | 2.67 |
| G07055-G07053 | 8 | 303 | 0.003 | 4.9 | 1,704.95 | 0.44 | 456 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 530,232.68 | 2.73 |
| G04029-G04027 | 8 | 300 | 0.007 | 3.8 | 1,738.54 | 0.45 | 484 | 482 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 753,602.23 | 3.89 |
| E12125-E12123 | 8 | 249 | 0.004 | 4 | 1,700.55 | 0.45 | 414 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 584,908.77 | 3.02 |
| H05053-H05051 | 8 | 299 | 0.007 | 3.9 | 1,894.60 | 0.45 | 471 | 469 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 754,861.39 | 3.89 |
| B01018-B01016 | 8 | 269 | 0.02 | 1.2 | 312.2 | 0.5 | 688.27 | 682.85 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,307,692.31 | 6.74 |
| G04005-G04003 | 8 | 301 | 0.007 | 4.2 | 1,929.68 | 0.46 | 482 | 480 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 752,349.36 | 3.88 |
| C02133-C02132 | 8 | 102 | 0.02 | 1.3 | 312.2 | 0.5 | 674.69 | 672.64 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,308,472.66 | 6.75 |
| G12109-H12067 | 8 | 341 | 0.003 | 7.5 | 1,617.60 | 0.45 | 376 | 375 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 499,816.53 | 2.58 |
| E11137-E11135 | 8 | 248 | 0.004 | 4.5 | 1,700.55 | 0.45 | 428 | 427 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 586,086.84 | 3.02 |
| C01019-C01017 | 8 | 99.5 | 0.003 | 6.3 | 4,145.86 | 0.44 | 639.68 | 639.34 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 538,179.64 | 2.78 |
| D08079-D08077 | 8 | 276 | 0.018 | 1.6 | 188.84 | 0.44 | 499 | 494 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,242,276.50 | 6.41 |
| E13097-E13093 | 8 | 243 | 0.003 | 10.7 | 3,037.66 | 0.45 | 427 | 426.32 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 488,246.49 | 2.52 |
| K14009-K14007 | 8 | 244 | 0.004 | 5.1 | 1,395.51 | 0.45 | 329 | 328 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 590,871.30 | 3.05 |
| G05131-G05129 | 8 | 239 | 0.004 | 4.2 | 1,363.96 | 0.45 | 491 | 490 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 597,019.97 | 3.08 |
| G13069-G13067 | 8 | 336 | 0.003 | 4.4 | 1,617.60 | 0.45 | 388 | 387 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 503,521.67 | 2.60 |
| F15143-F15131 | 8 | 242 | 0.004 | 6.6 | 1,698.43 | 0.46 | 452 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 593,307.89 | 3.06 |
| H04037-H04035 | 8 | 307 | 0.007 | 5.6 | 2,108.84 | 0.47 | 474 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 744,961.14 | 3.84 |
| K14075-K14073 | 8 | 288 | 0.007 | 3.3 | 840.67 | 0.46 | 332 | 330 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 769,142.06 | 3.97 |
| E03185-E03183 | 8 | 209 | 0.005 | 3.7 | 1,648.14 | 0.46 | 561 | 560 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 638,432.03 | 3.29 |
| G04041-G04039 | 8 | 263 | 0.015 | 2.2 | 583.84 | 0.41 | 483 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,138,255.95 | 5.87 |
| F14015-F14013 | 8 | 378 | 0.005 | 2.7 | 895.15 | 0.46 | 445 | 443 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 671,362.23 | 3.46 |
| F03077-F04021 | 8 | 298 | 0.003 | 4.5 | 2,020.96 | 0.47 | 512 | 511 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 534,662.44 | 2.76 |
| H04011-H04009 | 8 | 302 | 0.007 | 3.9 | 1,907.85 | 0.46 | 476 | 474 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 751,102.72 | 3.87 |
| K13029-K13027 | 8 | 230 | 0.004 | 4.5 | 1,343.30 | 0.46 | 337 | 336 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 608,588.71 | 3.14 |
| C07003-C07001 | 8 | 88 | 0.011 | 1.8 | 470.87 | 0.47 | 519 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 983,889.83 | 5.07 |
| F13121-E13097 | 8 | 244 | 0.004 | 5 | 2,026.54 | 0.46 | 428 | 427 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 590,871.30 | 3.05 |
| J11059-J11057 | 8 | 229 | 0.008 | 3 | 838.46 | 0.46 | 375 | 373.22 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 813,729.51 | 4.20 |
| F06131-F06129 | 8 | 179 | 0.003 | 10.6 | 2,740.43 | 0.46 | 488 | 487.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 487,805.05 | 2.52 |
| G15023-G15011 | 8 | 281 | 0.007 | 4.4 | 671.58 | 0.46 | 444 | 442 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 778,663.19 | 4.02 |
| C01017-C02118 | 8 | 293 | 0.003 | 6.6 | 4,140.83 | 0.44 | 639.34 | 638.63 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 544,505.03 | 2.81 |
| G03003-G03001 | 8 | 389 | 0.005 | 7 | 2,787.92 | 0.46 | 493 | 491 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 661,801.89 | 3.41 |
| K13019-K13017 | 8 | 240 | 0.004 | 4.3 | 1,637.29 | 0.46 | 332 | 331 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 595,774.88 | 3.07 |
| C07065-C07063 | 8 | 191 | 0.005 | 3.1 | 1,035.45 | 0.46 | 525 | 524 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 667,838.00 | 3.44 |
| E03183-E03181 | 8 | 188 | 0.005 | 3.6 | 1,631.97 | 0.46 | 560 | 559 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 673,145.40 | 3.47 |
| H05073-H05071 | 8 | 297 | 0.007 | 2.6 | 926.86 | 0.47 | 455 | 453 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 757,398.74 | 3.91 |
| E05069-E05067 | 8 | 171 | 0.006 | 5.9 | 1,117.57 | 0.44 | 525 | 524 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 705,813.16 | 3.64 |
| E03143-E03083 | 8 | 240 | 0.004 | 11.7 | 2,664.54 | 0.46 | 556 | 555 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 595,774.88 | 3.07 |
| E13091-E13089 | 8 | 249 | 0.002 | 8.3 | 4,400.78 | 0.46 | 431 | 430.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 413,592.96 | 2.13 |
| H05059-H05057 | 8 | 368 | 0.005 | 3.3 | 1,069.22 | 0.47 | 454.5 | 452.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 680,422.86 | 3.51 |
| D11085-D11083 | 8 | 63 | 0.016 | 2.8 | 416.5 | 0.45 | 449 | 448 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,162,833.49 | 6.00 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| F11039-F11037 | 8 | 312 | 0.003 | 5.5 | 2,380.77 | 0.46 | 405 | 404 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 522,529.13 | 2.69 |
| E18027-E18023 | 8 | 196 | 0.005 | 3.7 | 1,360.44 | 0.47 | 536 | 535 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 659,264.62 | 3.40 |
| F04079-F04077 | 8 | 96 | 0.002 | 6.1 | 3,341.15 | 0.47 | 523.08 | 522.85 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 451,768.67 | 2.33 |
| F03047-F03045 | 8 | 360 | 0.006 | 4.6 | 1,022.97 | 0.47 | 528 | 526 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 687,941.57 | 3.55 |
| G13015-G13013 | 8 | 198 | 0.005 | 3 | 924.34 | 0.47 | 398 | 397 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,926.55 | 3.38 |
| F05121-F05119 | 8 | 329 | 0.003 | 7.1 | 2,245.41 | 0.46 | 493 | 492 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 508,850.09 | 2.62 |
| J11135-J11089 | 8 | 330 | 0.003 | 10.5 | 2,868.01 | 0.46 | 372 | 371 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 508,078.52 | 2.62 |
| J11081-J11079 | 8 | 359 | 0.006 | 12.7 | 1,257.69 | 0.47 | 368 | 366 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 688,899.04 | 3.55 |
| G09155-G09125 | 8 | 291 | 0.007 | 8.2 | 1,206.05 | 0.48 | 415 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 765,167.14 | 3.95 |
| H05061-H05059 | 8 | 249 | 0.012 | 2.3 | 470.16 | 0.47 | 457.5 | 454.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,013,091.71 | 5.22 |
| E11069-E11067 | 10 | 328 | 0.003 | 4.7 | 3,049.87 | 0.47 | 409 | 408 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 924,011.95 | 2.86 |
| F13015-F13013 | 8 | 223 | 0.009 | 3.4 | 462.17 | 0.44 | 402 | 400 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 874,078.37 | 4.51 |
| C02082-C02080 | 8 | 221.5 | 0.004 | 4.9 | 2,783.03 | 0.47 | 652.13 | 651.25 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 598,902.33 | 3.09 |
| G07077-G07075 | 8 | 221 | 0.005 | 4.6 | 1,363.96 | 0.47 | 459 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 620,857.13 | 3.20 |
| H12079-H12077 | 8 | 349 | 0.003 | 6.5 | 3,134.23 | 0.47 | 365 | 364 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 494,054.77 | 2.55 |
| D12007-D12005 | 8 | 193 | 0.012 | 3 | 589.19 | 0.47 | 428 | 425.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,007,564.99 | 5.20 |
| F02164-F02163 | 8 | 205 | 0.026 | 11.5 | 0 | 0 | 548.69 | 543.37 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,476,087.00 | 7.61 |
| G03009-G03003 | 8 | 431 | 0.005 | 4.9 | 2,878.80 | 0.47 | 495 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 628,729.98 | 3.24 |
| E13057-E13055 | 8 | 227 | 0.004 | 4.2 | 1,700.55 | 0.47 | 422 | 421 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 612,597.02 | 3.16 |
| E18025-E18023 | 8 | 190 | 0.005 | 3.7 | 1,360.44 | 0.47 | 536 | 535 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 669,593.16 | 3.45 |
| H04019-H04013 | 8 | 186 | 0.002 | 14.9 | 13,663.25 | 0.47 | 474 | 473.68 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 382,830.32 | 1.97 |
| G04123-G04121 | 8 | 349 | 0.006 | 3.8 | 1,022.97 | 0.47 | 501 | 499 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 698,698.95 | 3.60 |
| F16061-F16059 | 8 | 223 | 0.004 | 4.4 | 1,699.09 | 0.47 | 491 | 490 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 618,066.74 | 3.19 |
| B01054-B01052 | 8 | 224 | 0.021 | 1.5 | 311.01 | 0.46 | 687.72 | 683.15 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,327,240.94 | 6.85 |
| F05149-F05147 | 8 | 174 | 0.006 | 3.2 | 1,022.97 | 0.47 | 505 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 699,702.11 | 3.61 |
| E06139-F06087 | 8 | 233 | 0.005 | 4.4 | 1,560.56 | 0.47 | 499.97 | 498.87 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 634,170.72 | 3.27 |
| J11097-J11095 | 8 | 127 | 0.016 | 2.4 | 452.52 | 0.46 | 376 | 374 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,158,246.36 | 5.97 |
| H09015-G09129 | 8 | 339 | 0.003 | 7.5 | 3,065.25 | 0.47 | 419 | 418 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 501,288.75 | 2.59 |
| G05057-G05003 | 8 | 254 | 0.008 | 8.1 | 1,873.01 | 0.47 | 470 | 468 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 819,003.86 | 4.22 |
| F13025-F13019 | 8 | 217 | 0.009 | 3.4 | 462.17 | 0.44 | 405 | 403 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 886,080.01 | 4.57 |
| H11011-H12081 | 8 | 321 | 0.003 | 6.2 | 2,722.28 | 0.47 | 365 | 364 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 515,151.88 | 2.66 |
| F06089-F06077 | 8 | 160 | 0.005 | 11.3 | 1,560.56 | 0.47 | 490.89 | 490.13 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 636,113.50 | 3.28 |
| E13117-E13115 | 8 | 186 | 0.005 | 4.1 | 1,360.44 | 0.48 | 417 | 416 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 676,754.78 | 3.49 |
| G15019-G15017 | 8 | 143 | 0.021 | 3 | 231.09 | 0.52 | 452 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,336,843.03 | 6.89 |
| E03189-E03187 | 8 | 64 | 0.008 | 2.9 | 1,095.34 | 0.47 | 562.5 | 562 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 815,798.35 | 4.21 |
| F06161-F06159 | 8 | 275 | 0.004 | 5.7 | 2,080.74 | 0.46 | 490 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 556,572.14 | 2.87 |
| F15001-G15015 | 8 | 308 | 0.004 | 4.3 | 1,961.55 | 0.46 | 448.16 | 447 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 566,423.74 | 2.92 |
| E17019-E17017 | 8 | 268 | 0.007 | 3.6 | 1,042.06 | 0.49 | 505 | 503 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 797,325.05 | 4.11 |
| G04077-G04075 | 8 | 338 | 0.006 | 4.7 | 2,309.99 | 0.45 | 478 | 476 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 709,977.29 | 3.66 |
| F08149-F08147 | 8 | 270 | 0.004 | 5.2 | 2,080.74 | 0.46 | 452 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 561,701.94 | 2.90 |
| H06039-H06037 | 8 | 206 | 0.009 | 2.3 | 626.87 | 0.48 | 453.27 | 451.4 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 879,376.79 | 4.54 |
| C07005-C07003 | 8 | 221 | 0.014 | 1.6 | 377.67 | 0.47 | 522 | 519 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,075,356.09 | 5.55 |
| H06033-H06031 | 8 | 422 | 0.004 | 4.5 | 2,135.31 | 0.47 | 447.77 | 446.2 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 562,965.02 | 2.90 |
| H13063-H13061 | 8 | 264 | 0.004 | 3.8 | 1,386.51 | 0.47 | 372 | 371 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 568,049.06 | 2.93 |
| G10079-H10039 | 12 | 663 | 0.002 | 9.9 | 6,549.07 | 0.47 | 389 | 388 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,056,836.33 | 2.04 |
| F14009-F14007 | 8 | 53 | 0.004 | 4.4 | 1,988.58 | 0.47 | 438.44 | 438.24 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 566,976.25 | 2.92 |
| F15003-F15001 | 8 | 84 | 0.004 | 4.3 | 1,971.29 | 0.47 | 448.48 | 448.16 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 569,669.74 | 2.94 |
| E16075-E16073 | 8 | 102 | 0.01 | 2.5 | 680.22 | 0.45 | 489 | 488 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 913,876.95 | 4.71 |
| E08099-E08097 | 8 | 262 | 0.004 | 5 | 2,076.82 | 0.47 | 465 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 570,213.06 | 2.94 |
| E02072-E02070 | 8 | 341.1 | 0.004 | 5.8 | 2,041.86 | 0.49 | 561.69 | 560.47 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 552,065.40 | 2.85 |
| F04051-F04049 | 8 | 326 | 0.006 | 3.5 | 1,022.97 | 0.46 | 514 | 512 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 722,926.27 | 3.73 |
| G05019-G05017 | 8 | 314 | 0.006 | 4.5 | 2,588.66 | 0.46 | 485 | 483 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 736,610.63 | 3.80 |
| E06131-E06129 | 8 | 131 | 0.004 | 5.3 | 2,080.74 | 0.47 | 497 | 496.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 570,213.06 | 2.94 |
| H05067-H05065 | 8 | 402 | 0.005 | 3.8 | 1,384.61 | 0.48 | 449 | 447 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 651,013.18 | 3.36 |
| C07085-C07083 | 8 | 57 | 0.035 | 1 | 94.42 | 0.39 | 530 | 528 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,728,882.10 | 8.92 |
| F15079-F15077 | 8 | 175 | 0.006 | 5.1 | 1,360.44 | 0.49 | 471 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 697,700.10 | 3.60 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| C02130-C02128 | 8 | 300 | 0.023 | 1.2 | 310.49 | 0.47 | 667.91 | 661.11 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,387,263.68 | 7.15 |
| F13003-F13001 | 8 | 222 | 0.008 | 2.3 | 679.04 | 0.48 | 399 | 397.3 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 807,673.40 | 4.17 |
| C07043-C07039 | 8 | 204 | 0.01 | 2 | 564.93 | 0.45 | 529 | 527 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 913,876.95 | 4.71 |
| J12077-J12075 | 21 | 117 | 0.001 | 38.8 | 17,440.21 | 0.48 | 357.81 | 357.68 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 4,034,081.86 | 2.60 |
| D19007-D19005 | 8 | 300 | 0.012 | 2.3 | 680.22 | 0.49 | 551.11 | 547.46 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,018,060.56 | 5.25 |
| C04015-C04013 | 8 | 251 | 0.008 | 2.5 | 936.59 | 0.49 | 635 | 633 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 823,883.76 | 4.25 |
| E14121-E14119 | 8 | 80 | 0.01 | 2.5 | 680.22 | 0.46 | 435 | 434.19 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 928,721.12 | 4.79 |
| F08045-F08043 | 8 | 292 | 0.003 | 5.2 | 1,839.07 | 0.49 | 435 | 434 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 540,127.61 | 2.79 |
| F09063-G09007 | 8 | 312 | 0.006 | 2.8 | 941.96 | 0.47 | 415 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 738,967.79 | 3.81 |
| G08107-G08105 | 8 | 46 | 0.002 | 10 | 7,487.26 | 0.49 | 426.71 | 426.64 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 360,045.93 | 1.86 |
| D13011-D13009 | 8 | 163 | 0.008 | 4.4 | 901.94 | 0.49 | 427 | 425.62 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 849,246.07 | 4.38 |
| J11129-J11127 | 8 | 208 | 0.005 | 5.9 | 1,810.15 | 0.49 | 380 | 379 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 639,964.88 | 3.30 |
| G10069-G10067 | 8 | 337 | 0.008 | 4.3 | 914.77 | 0.49 | 399 | 396.25 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 833,756.44 | 4.30 |
| G14061-G14059 | 8 | 196 | 0.005 | 11.8 | 1,127.90 | 0.49 | 404 | 403 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 659,264.62 | 3.40 |
| F15027-F15013 | 8 | 87 | 0.004 | 5.7 | 1,765.06 | 0.48 | 453.12 | 452.78 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,989.14 | 2.98 |
| C07001-D07025 | 8 | 197 | 0.01 | 2.4 | 564.66 | 0.46 | 518 | 516 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 929,971.61 | 4.80 |
| E08081-E08079 | 12 | 328 | 0.003 | 4 | 3,538.49 | 0.49 | 461 | 460 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,502,545.31 | 2.91 |
| G07075-G07073 | 8 | 374 | 0.003 | 6.1 | 3,048.34 | 0.49 | 458 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 477,256.67 | 2.46 |
| J11057-H11163 | 8 | 226 | 0.005 | 3.7 | 1,671.89 | 0.49 | 373.22 | 372 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 678,130.85 | 3.50 |
| C01044-C01042 | 8 | 300 | 0.008 | 2.8 | 1,193.56 | 0.49 | 643.94 | 641.42 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 844,510.06 | 4.36 |
| H11109-H11107 | 8 | 123 | 0.008 | 3.4 | 1,045.51 | 0.49 | 372 | 371 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 832,214.45 | 4.29 |
| J11071-J12067 | 8 | 224 | 0.004 | 4.5 | 2,096.16 | 0.5 | 370 | 369 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 616,685.59 | 3.18 |
| F13085-F13083 | 8 | 319 | 0.004 | 5.8 | 2,367.57 | 0.48 | 422.86 | 421.59 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 582,363.74 | 3.00 |
| H05051-H05049 | 8 | 298 | 0.007 | 13.2 | 2,432.87 | 0.48 | 469 | 467 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 756,126.87 | 3.90 |
| G04023-G04021 | 8 | 300 | 0.01 | 3.5 | 1,352.39 | 0.46 | 486 | 483 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 922,970.47 | 4.76 |
| H06035-H06033 | 8 | 400 | 0.004 | 4.2 | 1,821.43 | 0.5 | 449.54 | 447.77 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 613,966.17 | 3.17 |
| G12045-G12043 | 8 | 219 | 0.005 | 3.7 | 1,555.09 | 0.5 | 394 | 393 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 623,685.65 | 3.22 |
| G10015-G10013 | 10 | 265 | 0.002 | 6.4 | 5,923.34 | 0.49 | 410.5 | 410 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 726,903.19 | 2.25 |
| E10013-E10011 | 15 | 227 | 0.002 | 3.2 | 4,295.96 | 0.49 | 419 | 418.5 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,315,598.57 | 2.99 |
| J08051-J08049 | 8 | 239 | 0.01 | 4.4 | 624.45 | 0.5 | 401.61 | 399.24 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 919,100.56 | 4.74 |
| C02057-C02055 | 8 | 154 | 0.013 | 2.4 | 624.39 | 0.5 | 648 | 646 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,051,822.47 | 5.42 |
| F15005-F15003 | 8 | 338 | 0.004 | 4.1 | 1,773.01 | 0.5 | 450 | 448.48 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 618,943.85 | 3.19 |
| E10009-E10007 | 18 | 336 | 0.003 | 22.1 | 4,275.71 | 0.49 | 418 | 417.06 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 4,243,610.12 | 3.65 |
| K13031-K14081 | 8 | 275 | 0.002 | 8.6 | 4,772.73 | 0.5 | 337.52 | 337 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 401,349.88 | 2.07 |
| F03187-F03185 | 8 | 277.1 | 0.003 | 6.5 | 2,690.17 | 0.49 | 532.43 | 531.52 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 529,015.77 | 2.73 |
| E11089-E11087 | 8 | 389 | 0.005 | 4.5 | 1,700.55 | 0.5 | 415 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 661,801.89 | 3.41 |
| J13005-J14125 | 8 | 280 | 0.002 | 8.8 | 5,167.28 | 0.5 | 337 | 336.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 390,026.21 | 2.01 |
| E05131-E05129 | 8 | 260 | 0.004 | 4.6 | 2,045.94 | 0.5 | 523 | 522 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 572,401.99 | 2.95 |
| E05139-E05137 | 8 | 260 | 0.004 | 4.9 | 2,045.94 | 0.5 | 518 | 517 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 572,401.99 | 2.95 |
| F08061-F08059 | 8 | 211 | 0.005 | 4.6 | 1,379.30 | 0.5 | 445 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 635,399.08 | 3.28 |
| C02103-C02101 | 8 | 165 | 0.02 | 2.3 | 900.58 | 0.49 | 666.98 | 663.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,301,315.96 | 6.71 |
| G07067-G07065 | 8 | 215 | 0.005 | 3.9 | 1,704.95 | 0.5 | 462 | 461 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 629,460.64 | 3.25 |
| F15141-F15135 | 8 | 192 | 0.005 | 5 | 1,700.55 | 0.5 | 458 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 666,096.56 | 3.44 |
| F06143-F06141 | 10 | 164 | 0.006 | 6.8 | 1,560.56 | 0.5 | 486 | 485 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,306,750.23 | 4.04 |
| F07049-F07045 | 8 | 268 | 0.004 | 6 | 2,586.62 | 0.5 | 466 | 465 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 563,793.95 | 2.91 |
| J11067-J12063 | 8 | 399 | 0.005 | 4.8 | 2,083.26 | 0.5 | 365 | 363 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 653,456.01 | 3.37 |
| L13157-L13155 | 8 | 200 | 0.01 | 100 | 692.69 | 0.5 | 328 | 326 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 922,970.47 | 4.76 |
| F14045-F14025 | 8 | 246 | 0.004 | 6.3 | 1,563.01 | 0.49 | 429 | 428 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 588,464.48 | 3.03 |
| F14007-G14037 | 8 | 330 | 0.004 | 4.5 | 2,206.40 | 0.5 | 438.24 | 437 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 565,772.30 | 2.92 |
| K13021-K13019 | 8 | 207 | 0.005 | 3.8 | 1,710.65 | 0.5 | 333 | 332 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 641,508.82 | 3.31 |
| D08073-D08069 | 8 | 248 | 0.006 | 5.8 | 1,295.00 | 0.5 | 486 | 484.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 717,806.85 | 3.70 |
| H05071-H06045 | 8 | 244 | 0.008 | 3.2 | 1,021.84 | 0.51 | 453 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 835,618.20 | 4.31 |
| F02003-F02001 | 8 | 115 | 0.005 | 4.2 | 1,706.04 | 0.5 | 533.37 | 532.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 649,794.92 | 3.35 |
| D16051-D16049 | 8 | 160 | 0.006 | 3.2 | 1,360.44 | 0.5 | 502 | 501 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 729,672.23 | 3.76 |
| G09005-G09003 | 8 | 91 | 0.005 | 4.2 | 1,408.99 | 0.5 | 412.5 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 684,151.23 | 3.53 |
| C02061-C02041 | 8 | 157 | 0.009 | 6.4 | 932.09 | 0.5 | 634.5 | 633.02 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 896,125.51 | 4.62 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|-------------------------------------|-------------------------------------|----------------|-----------------------------|
| F12063-F12061 | 8 | 196 | 0.026 | 1.3 | 231.09 | 0.55 | 398 | 393 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,474,160.51 | 7.60 |
| J06043-J06039 | 8 | 254 | 0.009 | 2.3 | 793.62 | 0.5 | 437.95 | 435.58 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 891,548.80 | 4.60 |
| C02090-C02082 | 8 | 138.3 | 0.023 | 3.1 | 311.4 | 0.49 | 655.32 | 652.13 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,393,218.17 | 7.19 |
| E13005-E13003 | 8 | 305 | 0.013 | 6.7 | 680.22 | 0.51 | 424 | 420 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,056,982.71 | 5.45 |
| G15005-G15003 | 8 | 186 | 0.011 | 2 | 462.17 | 0.47 | 437 | 435 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 957,075.80 | 4.94 |
| J11111-J11109 | 8 | 213 | 0.004 | 4.7 | 2,495.23 | 0.5 | 377 | 376.12 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 593,252.18 | 3.06 |
| F06009-F06007 | 8 | 258 | 0.016 | 4.4 | 520.19 | 0.5 | 476 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,149,232.63 | 5.93 |
| E08013-E08011 | 8 | 254 | 0.016 | 2.1 | 377.67 | 0.5 | 463 | 459 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,158,246.36 | 5.97 |
| J13007-J13005 | 8 | 304 | 0.003 | 6.6 | 2,651.29 | 0.51 | 338 | 337 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 529,359.87 | 2.73 |
| E02097-F02175 | 8 | 282 | 0.009 | 1.5 | 340.99 | 0.38 | 554.38 | 551.77 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 884,807.69 | 4.56 |
| F08153-F08151 | 8 | 270 | 0.004 | 5.6 | 2,600.93 | 0.5 | 451 | 450 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 561,701.94 | 2.90 |
| H04009-H04007 | 8 | 282 | 0.007 | 9.9 | 2,446.04 | 0.5 | 474 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 777,281.36 | 4.01 |
| F06027-F06025 | 8 | 238 | 0.008 | 3.4 | 1,485.89 | 0.51 | 472 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 846,085.64 | 4.36 |
| F03015-G03053 | 8 | 356 | 0.006 | 4.1 | 1,363.96 | 0.51 | 516 | 514 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 691,795.62 | 3.57 |
| G09143-G09141 | 6 | 248 | 0.012 | 7.8 | 580.97 | 0.5 | 423 | 420 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 471,359.90 | 3.65 |
| F02001-F03149 | 8 | 176 | 0.004 | 4.7 | 2,377.29 | 0.51 | 532.8 | 532.12 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 573,701.43 | 2.96 |
| C01050-C01048 | 8 | 300 | 0.015 | 1.9 | 622.84 | 0.5 | 659.34 | 654.93 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,117,181.81 | 5.76 |
| H11083-H11081 | 8 | 200 | 0.005 | 4 | 1,350.51 | 0.51 | 384 | 383 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 652,638.68 | 3.37 |
| G04021-G04011 | 8 | 298 | 0.007 | 5.3 | 2,490.85 | 0.48 | 483 | 481 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 756,126.87 | 3.90 |
| F10043-F10041 | 8 | 331 | 0.009 | 2.5 | 753.36 | 0.51 | 415 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 878,687.48 | 4.53 |
| F03031-F03029 | 8 | 352 | 0.006 | 4.4 | 1,363.96 | 0.51 | 524 | 522 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 695,715.17 | 3.59 |
| J11159-J11085 | 8 | 583 | 0.009 | 10.6 | 1,048.08 | 0.51 | 373 | 368 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 854,748.86 | 4.41 |
| G05149-G05147 | 8 | 116 | 0.009 | 2.6 | 851.14 | 0.51 | 491 | 490 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 856,956.57 | 4.42 |
| E11017-E11015 | 8 | 401 | 0.005 | 5.2 | 1,379.30 | 0.51 | 424 | 422 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 651,824.41 | 3.36 |
| G12059-G12057 | 8 | 323 | 0.003 | 4.9 | 2,235.24 | 0.5 | 384 | 383 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 513,554.51 | 2.65 |
| G12031-G12029 | 8 | 239 | 0.008 | 3.2 | 693.26 | 0.51 | 386 | 384 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 844,313.74 | 4.35 |
| D03127-D03125 | 8 | 357 | 0.008 | 3.5 | 1,121.32 | 0.52 | 587 | 584 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 846,085.64 | 4.36 |
| D03119-D03117 | 6 | 428 | 0.005 | 5.4 | 1,681.98 | 0.5 | 583 | 581 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 292,961.77 | 2.27 |
| F16063-F16061 | 8 | 89 | 0.011 | 2.9 | 680.22 | 0.48 | 492 | 491 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 978,346.74 | 5.05 |
| E02029-E02027 | 8 | 238 | 0.006 | 0 | 0 | 0 | 589.51 | 588.03 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 727,830.39 | 3.75 |
| G12029-G12027 | 8 | 264 | 0.004 | 4.7 | 1,811.53 | 0.5 | 384 | 383 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 568,049.06 | 2.93 |
| F05139-F05137 | 8 | 196 | 0.01 | 3.1 | 681.98 | 0.51 | 503 | 501 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 932,340.97 | 4.81 |
| E17005-E17003 | 8 | 294 | 0.003 | 6.6 | 3,075.15 | 0.51 | 525 | 524 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 538,287.31 | 2.78 |
| C01009-C01007 | 8 | 147 | 0.007 | 3.4 | 1,248.78 | 0.49 | 635 | 634 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 761,253.22 | 3.93 |
| C07061-C07059 | 8 | 411 | 0.005 | 3.9 | 1,784.77 | 0.51 | 523 | 521 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 643,845.84 | 3.32 |
| F07009-F07007 | 8 | 331 | 0.006 | 4 | 1,552.21 | 0.51 | 455 | 453 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 717,445.32 | 3.70 |
| E11009-E11007 | 8 | 320 | 0.003 | 6 | 2,298.29 | 0.5 | 426 | 425 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 515,956.18 | 2.66 |
| D11079-D11077 | 8 | 303 | 0.007 | 4.5 | 1,351.93 | 0.51 | 446 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 749,862.25 | 3.87 |
| F01009-F01021 | 8 | 172 | 0.006 | 0 | 0 | 0 | 538.3 | 537.31 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 700,230.75 | 3.61 |
| E17027-E17025 | 8 | 251 | 0.004 | 4.9 | 2,711.43 | 0.52 | 508 | 507 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 582,573.80 | 3.00 |
| E02084-E02082 | 8 | 340 | 0.004 | 5.5 | 2,045.94 | 0.5 | 564.93 | 563.51 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 595,600.14 | 3.07 |
| F05025-F05023 | 8 | 346 | 0.006 | 31.2 | 1,363.96 | 0.51 | 497 | 495 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 701,721.46 | 3.62 |
| G14083-G14077 | 8 | 169 | 0.004 | 4.7 | 1,848.68 | 0.51 | 424.36 | 423.74 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 559,036.67 | 2.88 |
| F12001-G12045 | 8 | 217 | 0.006 | 3.3 | 1,114.60 | 0.51 | 395.37 | 394 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 733,361.70 | 3.78 |
| F15113-F15111 | 8 | 179 | 0.006 | 5.4 | 1,700.55 | 0.51 | 479 | 478 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 689,860.52 | 3.56 |
| F15009-F15007 | 8 | 331 | 0.006 | 3.1 | 1,119.22 | 0.51 | 455 | 453 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 717,445.32 | 3.70 |
| E07141-E07139 | 8 | 247 | 0.004 | 5.6 | 2,584.17 | 0.52 | 469 | 468 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,272.05 | 3.03 |
| C04067-C04065 | 8 | 219 | 0.009 | 3.8 | 936.59 | 0.51 | 668 | 666 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 882,024.70 | 4.55 |
| F12043-F12041 | 8 | 310 | 0.006 | 3.4 | 1,308.11 | 0.51 | 392 | 390 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 741,347.72 | 3.82 |
| E13115-E13111 | 8 | 253 | 0.004 | 5.1 | 2,714.46 | 0.52 | 416 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 580,266.56 | 2.99 |
| H11107-H11105 | 8 | 580 | 0.005 | 14.9 | 2,090.16 | 0.52 | 371 | 368 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 663,795.70 | 3.42 |
| E18029-E18023 | 8 | 249 | 0.004 | 4.9 | 2,713.13 | 0.52 | 536 | 535 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 584,908.77 | 3.02 |
| F04089-F04087 | 8 | 200 | 0.006 | 3.3 | 1,363.96 | 0.51 | 526.57 | 525.39 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 708,947.07 | 3.66 |
| D03079-D03071 | 8 | 139 | 0.014 | 4.3 | 624.39 | 0.52 | 615 | 613 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,107,121.81 | 5.71 |
| J11055-H11105 | 8 | 559 | 0.005 | 14.8 | 1,886.54 | 0.51 | 371 | 368 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 676,149.19 | 3.49 |
| F15127-F15095 | 6 | 189 | 0.005 | 21.4 | 1,700.55 | 0.52 | 458 | 457 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 311,735.99 | 2.41 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| D07031-D07029 | 8 | 104 | 0.01 | 2.2 | 753.02 | 0.52 | 500 | 499 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 905,047.01 | 4.67 |
| F08041-F08039 | 8 | 139 | 0.014 | 2.6 | 459.77 | 0.52 | 442 | 440 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,107,121.81 | 5.71 |
| G12111-H12063 | 8 | 401 | 0.005 | 9.4 | 1,386.51 | 0.52 | 373 | 371 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 651,824.41 | 3.36 |
| H06075-H06057 | 8 | 331 | 0.006 | 5.1 | 1,332.70 | 0.52 | 443 | 441 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 717,445.32 | 3.70 |
| G12107-H12065 | 8 | 399 | 0.005 | 9 | 1,386.51 | 0.52 | 374 | 372 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 653,456.01 | 3.37 |
| E18113-E18111 | 8 | 293 | 0.007 | 3.3 | 1,360.44 | 0.52 | 542 | 540 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 762,551.18 | 3.93 |
| G13009-G13007 | 8 | 198 | 0.005 | 3.4 | 1,386.51 | 0.52 | 396 | 395 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,926.55 | 3.38 |
| E06141-F06095 | 8 | 120 | 0.009 | 2.9 | 1,040.37 | 0.52 | 498.08 | 497.02 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 867,461.32 | 4.47 |
| E02068-E02066 | 8 | 283.7 | 0.006 | 3.9 | 1,375.14 | 0.52 | 564.1 | 562.4 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 715,350.77 | 3.69 |
| C02059-C02055 | 8 | 136 | 0.015 | 2.4 | 624.39 | 0.52 | 648 | 646 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,119,266.10 | 5.77 |
| C02101-C02088 | 8 | 300 | 0.012 | 2.7 | 1,194.77 | 0.49 | 663.7 | 660 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 990,914.43 | 5.11 |
| F16059-F16057 | 8 | 235 | 0.004 | 5.3 | 2,710.24 | 0.53 | 490 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 602,079.55 | 3.11 |
| E16091-E16089 | 8 | 271 | 0.004 | 5.5 | 3,053.80 | 0.52 | 505 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 560,664.63 | 2.89 |
| F18023-F18011 | 8 | 144 | 0.007 | 15.8 | 1,360.44 | 0.52 | 533 | 532 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 769,142.06 | 3.97 |
| G13013-G13011 | 8 | 187 | 0.005 | 4.3 | 1,341.92 | 0.52 | 397 | 396 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 674,942.85 | 3.48 |
| E03177-E03169 | 8 | 82 | 0.006 | 4 | 2,166.49 | 0.52 | 557 | 556.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 720,718.85 | 3.72 |
| E07123-E07121 | 8 | 281 | 0.004 | 5.7 | 3,121.11 | 0.52 | 482 | 481 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 550,598.02 | 2.84 |
| C07083-C07081 | 8 | 393 | 0.018 | 4.8 | 377.6 | 0.51 | 528 | 521 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,231,801.00 | 6.35 |
| D14031-D14029 | 8 | 143 | 0.007 | 5.6 | 1,360.44 | 0.52 | 451 | 450 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 771,826.68 | 3.98 |
| E11147-E11145 | 8 | 143 | 0.007 | 3.9 | 1,360.44 | 0.52 | 416 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 771,826.68 | 3.98 |
| F05095-F05093 | 8 | 382 | 0.005 | 4.1 | 1,704.95 | 0.52 | 521 | 519 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 667,838.00 | 3.44 |
| D18047-D18045 | 12 | 300 | 0.004 | 5.3 | 8,632.37 | 0.52 | 526.96 | 525.9 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,617,546.61 | 3.13 |
| H11081-H11079 | 8 | 274 | 0.004 | 4.8 | 2,267.92 | 0.52 | 383 | 382 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 557,586.85 | 2.88 |
| E14117-E13091 | 8 | 237 | 0.004 | 6.1 | 2,713.02 | 0.53 | 432 | 431 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 599,533.75 | 3.09 |
| F13127-F13125 | 8 | 198 | 0.005 | 5.2 | 2,369.76 | 0.53 | 413 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,926.55 | 3.38 |
| F16009-F16007 | 8 | 191 | 0.005 | 4.3 | 2,040.66 | 0.53 | 486 | 485 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 667,838.00 | 3.44 |
| H13015-H13013 | 8 | 212 | 0.004 | 9.7 | 1,794.53 | 0.53 | 371.45 | 370.56 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 598,018.86 | 3.08 |
| F15049-F15047 | 8 | 300 | 0.003 | 4.9 | 2,456.40 | 0.51 | 447 | 446 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 532,877.25 | 2.75 |
| C02031-C02029 | 8 | 183 | 0.005 | 4.9 | 3,076.66 | 0.52 | 650 | 649 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 682,279.41 | 3.52 |
| F04043-F04041 | 8 | 322 | 0.003 | 5.9 | 3,388.83 | 0.53 | 507 | 506 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 514,351.33 | 2.65 |
| E06123-E06121 | 8 | 240 | 0.004 | 5 | 2,600.93 | 0.53 | 505 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 595,774.88 | 3.07 |
| C02122-C02120 | 8 | 300 | 0.014 | 2.7 | 916.76 | 0.53 | 645.64 | 641.32 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,105,723.23 | 5.70 |
| G05135-G05133 | 8 | 181 | 0.011 | 2.8 | 681.98 | 0.53 | 493 | 491 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 970,205.02 | 5.00 |
| E02105-E02103 | 8 | 95 | 0.011 | 0 | 0 | 0 | 559.9 | 558.84 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 964,839.05 | 4.98 |
| G10049-G10047 | 8 | 170 | 0.006 | 3.4 | 1,237.65 | 0.52 | 405 | 404 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 707,886.04 | 3.65 |
| K13017-K14047 | 8 | 235 | 0.004 | 5.5 | 2,447.09 | 0.53 | 331 | 330 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 602,079.55 | 3.11 |
| E11077-E11075 | 8 | 281 | 0.007 | 7.8 | 1,360.44 | 0.53 | 412 | 410 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 778,663.19 | 4.02 |
| F04055-F04053 | 8 | 320 | 0.003 | 5.8 | 3,389.71 | 0.54 | 509 | 508 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 515,956.18 | 2.66 |
| E04153-E04151 | 8 | 391 | 0.008 | 2.9 | 1,022.97 | 0.52 | 542 | 539 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 808,462.83 | 4.17 |
| F02005-F02003 | 8 | 125 | 0.005 | 3.7 | 1,718.35 | 0.53 | 534.05 | 533.37 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 680,749.38 | 3.51 |
| K14011-K14007 | 8 | 158 | 0.006 | 4.9 | 1,343.30 | 0.53 | 329 | 328 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 734,275.88 | 3.79 |
| F15023-F15021 | 8 | 311 | 0.006 | 2.9 | 1,118.19 | 0.53 | 463 | 461 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 740,154.89 | 3.82 |
| F03045-F03043 | 8 | 362 | 0.003 | 7.1 | 3,725.70 | 0.52 | 526 | 525 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 485,102.51 | 2.50 |
| G10017-G09003 | 8 | 79 | 0.006 | 4.1 | 1,408.88 | 0.53 | 412.5 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 734,275.88 | 3.79 |
| J11133-J11131 | 8 | 126 | 0.004 | 5.3 | 3,030.53 | 0.52 | 379.4 | 378.92 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 569,669.74 | 2.94 |
| H11047-H11045 | 8 | 371 | 0.005 | 3.8 | 1,429.06 | 0.53 | 385 | 383 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 677,666.24 | 3.50 |
| C07063-C07061 | 8 | 161 | 0.006 | 3.6 | 1,410.13 | 0.53 | 524 | 523 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 727,402.63 | 3.75 |
| J12063-J12061 | 8 | 239 | 0.004 | 6.1 | 3,315.08 | 0.53 | 363 | 362 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 597,019.97 | 3.08 |
| C01042-C01019 | 8 | 153.6 | 0.011 | 4.4 | 1,181.89 | 0.53 | 641.42 | 639.68 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 981,074.69 | 5.06 |
| E13089-E13085 | 8 | 256 | 0.002 | 13.5 | 7,435.23 | 0.53 | 430.5 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 407,899.17 | 2.10 |
| E11087-E11081 | 10 | 248 | 0.004 | 4.7 | 3,385.40 | 0.53 | 413 | 412 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,062,646.14 | 3.29 |
| F16069-F16067 | 8 | 130 | 0.004 | 5.7 | 3,055.40 | 0.53 | 484.5 | 484 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 572,401.99 | 2.95 |
| F08145-F08143 | 8 | 270 | 0.004 | 5.9 | 3,121.11 | 0.53 | 453 | 452 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 561,701.94 | 2.90 |
| G08085-G08083 | 8 | 270 | 0.004 | 6.3 | 3,121.11 | 0.53 | 447 | 446 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 561,701.94 | 2.90 |
| G04049-G04047 | 8 | 300 | 0.007 | 5 | 3,052.60 | 0.53 | 488 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 753,602.23 | 3.89 |
| C02118-C02110 | 8 | 268.2 | 0.004 | 7 | 5,625.42 | 0.52 | 638.63 | 637.59 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 572,825.83 | 2.95 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| E05077-E05075 | 8 | 250 | 0.004 | 5.8 | 2,803.30 | 0.53 | 528 | 527 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 583,737.78 | 3.01 |
| E11101-E11099 | 8 | 137 | 0.007 | 3.6 | 1,360.44 | 0.53 | 416 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 788,546.89 | 4.07 |
| D07043-D07041 | 8 | 274 | 0.011 | 2.9 | 659.86 | 0.53 | 501 | 498 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 965,768.76 | 4.98 |
| J07163-J07161 | 8 | 121 | 0.006 | 3.7 | 1,427.00 | 0.53 | 417.41 | 416.66 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 726,650.80 | 3.75 |
| G04063-G03011 | 8 | 213 | 0.005 | 5.7 | 4,064.36 | 0.52 | 494 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 632,408.95 | 3.26 |
| H06017-H06015 | 8 | 349 | 0.006 | 3.6 | 1,657.02 | 0.53 | 445 | 443 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 698,698.95 | 3.60 |
| D07049-D07047 | 8 | 141 | 0.007 | 3 | 1,221.81 | 0.53 | 506 | 505 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 777,281.36 | 4.01 |
| E11005-E11003 | 8 | 291 | 0.003 | 5.6 | 2,298.83 | 0.52 | 421 | 420 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 541,054.87 | 2.79 |
| H05037-H05035 | 8 | 322 | 0.006 | 7.6 | 3,421.34 | 0.53 | 466 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 727,402.63 | 3.75 |
| G12101-G12099 | 8 | 331 | 0.009 | 3.4 | 893.65 | 0.53 | 375 | 372 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 878,687.48 | 4.53 |
| F13001-F12001 | 8 | 213 | 0.009 | 2.7 | 893.73 | 0.54 | 397.3 | 395.37 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 878,570.59 | 4.53 |
| F03190-F03189 | 8 | 300 | 0.011 | 2.7 | 681.98 | 0.54 | 540.24 | 536.79 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 988,130.05 | 5.10 |
| F05133-F05131 | 8 | 260 | 0.004 | 6 | 2,702.49 | 0.53 | 501 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 572,401.99 | 2.95 |
| G10081-G10079 | 12 | 692 | 0.003 | 4.7 | 3,658.83 | 0.53 | 391 | 389 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,462,939.78 | 2.83 |
| E13053-E13051 | 8 | 393 | 0.015 | 1.9 | 680.22 | 0.54 | 427 | 421 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,140,426.12 | 5.88 |
| G04003-G04001 | 8 | 296 | 0.007 | 6.9 | 3,054.32 | 0.53 | 480 | 478 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 758,677.05 | 3.91 |
| G07071-G07069 | 8 | 362 | 0.006 | 3.9 | 1,704.95 | 0.54 | 464 | 462 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 686,038.55 | 3.54 |
| F15013-G15021 | 8 | 338 | 0.002 | 7.3 | 4,741.00 | 0.53 | 452.78 | 452 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 443,380.67 | 2.29 |
| H06065-H07025 | 12 | 294 | 0.001 | 11.1 | 19,907.85 | 0.53 | 437 | 436.77 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 761,122.83 | 1.47 |
| G04051-G04049 | 8 | 300 | 0.01 | 4 | 1,923.07 | 0.54 | 491 | 488 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 922,970.47 | 4.76 |
| E14085-E14083 | 8 | 65 | 0.015 | 2.5 | 680.22 | 0.54 | 439 | 438 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,144,803.98 | 5.90 |
| H12077-J12047 | 8 | 360 | 0.003 | 8.5 | 5,198.78 | 0.53 | 364 | 363 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 486,448.15 | 2.51 |
| F13019-F13017 | 8 | 299 | 0.003 | 5 | 2,573.06 | 0.53 | 403 | 402 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 533,767.61 | 2.75 |
| G05043-G05041 | 8 | 346 | 0.006 | 5.6 | 4,101.89 | 0.53 | 475 | 473 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 701,721.46 | 3.62 |
| H05057-H05055 | 8 | 350 | 0.006 | 3.7 | 1,761.21 | 0.53 | 452.5 | 450.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 697,700.10 | 3.60 |
| C02120-C02118 | 8 | 300 | 0.009 | 5.1 | 1,532.90 | 0.55 | 641.32 | 638.63 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 873,983.67 | 4.51 |
| E07133-E07131 | 8 | 263 | 0.004 | 6.7 | 3,121.11 | 0.54 | 479 | 478 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 569,127.97 | 2.94 |
| B01012-B01010 | 8 | 176 | 0.035 | 2.5 | 307.56 | 0.54 | 676.57 | 670.41 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,721,834.99 | 8.88 |
| G05033-G05007 | 8 | 294 | 0.007 | 10.3 | 3,058.03 | 0.54 | 474 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 761,253.22 | 3.93 |
| F05123-F05121 | 8 | 170 | 0.006 | 4.2 | 1,579.45 | 0.54 | 494 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 707,886.04 | 3.65 |
| D13053-D13051 | 8 | 110 | 0.009 | 11 | 1,410.91 | 0.55 | 424 | 423 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 880,017.82 | 4.54 |
| H13009-H13007 | 8 | 196 | 0.005 | 11 | 1,791.86 | 0.55 | 370.52 | 369.63 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 621,949.00 | 3.21 |
| G15015-G15013 | 8 | 312 | 0.006 | 5 | 1,950.36 | 0.53 | 447 | 445 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 738,967.79 | 3.81 |
| C03039-C03037 | 8 | 212 | 0.024 | 2.1 | 312.2 | 0.52 | 695 | 690 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,417,440.64 | 7.31 |
| G14033-G14031 | 8 | 248 | 0.008 | 5.1 | 895.4 | 0.53 | 434 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 828,851.95 | 4.27 |
| H11023-H11021 | 8 | 221 | 0.005 | 4.3 | 1,839.07 | 0.55 | 371 | 370 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 620,857.13 | 3.20 |
| C06101-C06099 | 8 | 155 | 0.019 | 2.2 | 377.67 | 0.53 | 649 | 646 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,284,051.92 | 6.62 |
| F04001-G04097 | 8 | 355 | 0.006 | 3.9 | 1,704.95 | 0.54 | 509 | 507 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 692,769.29 | 3.57 |
| J07095-J07093 | 8 | 161 | 0.019 | 1.8 | 446.85 | 0.53 | 419.43 | 416.39 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,268,269.83 | 6.54 |
| D06083-D06081 | 8 | 250 | 0.004 | 5 | 2,639.58 | 0.53 | 552 | 551 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 583,737.78 | 3.01 |
| G07035-G07033 | 8 | 180 | 0.006 | 5 | 2,080.74 | 0.54 | 451 | 450 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 687,941.57 | 3.55 |
| D03053-D03051 | 8 | 303 | 0.003 | 6 | 3,742.40 | 0.53 | 623 | 622 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 530,232.68 | 2.73 |
| F08077-F08075 | 8 | 249 | 0.002 | 7.5 | 4,589.98 | 0.54 | 437 | 436.44 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 437,705.64 | 2.26 |
| F03061-F04013 | 8 | 308 | 0.003 | 5.9 | 3,380.07 | 0.54 | 523 | 522 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 525,911.24 | 2.71 |
| G04137-G04135 | 8 | 325 | 0.003 | 6.1 | 3,718.96 | 0.54 | 501 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 511,971.90 | 2.64 |
| G07053-G07051 | 8 | 303 | 0.003 | 8.5 | 3,373.27 | 0.54 | 455 | 454 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 530,232.68 | 2.73 |
| E12099-E12097 | 8 | 176 | 0.006 | 4.7 | 2,040.66 | 0.54 | 408 | 407 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 695,715.17 | 3.59 |
| F14039-F14037 | 8 | 64 | 0.016 | 2.4 | 462.17 | 0.55 | 442 | 441 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,153,713.09 | 5.95 |
| H12081-J12047 | 8 | 350 | 0.003 | 8.4 | 5,005.33 | 0.54 | 364 | 363 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 493,348.47 | 2.54 |
| C02110-C02045 | 8 | 198.9 | 0.004 | 7 | 5,913.71 | 0.53 | 637.59 | 636.9 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 598,674.04 | 3.09 |
| G09001-G10015 | 10 | 202 | 0.002 | 6.1 | 5,561.13 | 0.53 | 411 | 410.5 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 832,575.88 | 2.58 |
| F13027-F13017 | 8 | 132 | 0.008 | 3.6 | 924.34 | 0.54 | 403 | 402 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 803,342.68 | 4.14 |
| C02017-C02015 | 8 | 294 | 0.007 | 9 | 1,560.98 | 0.54 | 636 | 634 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 761,253.22 | 3.93 |
| G07013-G07011 | 8 | 257 | 0.004 | 6 | 3,121.11 | 0.54 | 456 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 575,733.16 | 2.97 |
| J12081-J12079 | 12 | 276 | 0.002 | 5.8 | 7,412.12 | 0.54 | 360.44 | 359.76 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,350,717.15 | 2.61 |
| K14081-K14079 | 8 | 287 | 0.002 | 9.8 | 7,176.72 | 0.54 | 337 | 336.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 385,240.43 | 1.99 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| H11165-H11113 | 8 | 588 | 0.007 | 12.9 | 1,676.92 | 0.54 | 373 | 369 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 761,253.22 | 3.93 |
| D13009-D13007 | 8 | 182 | 0.003 | 6.3 | 4,200.02 | 0.53 | 425.62 | 425 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 538,701.22 | 2.78 |
| G05129-G05127 | 8 | 249 | 0.004 | 5.5 | 2,704.98 | 0.54 | 490 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 584,908.77 | 3.02 |
| L14007-L14005 | 8 | 300 | 0.003 | 6.4 | 3,134.37 | 0.55 | 323 | 322 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 532,877.25 | 2.75 |
| E04135-E04133 | 8 | 346 | 0.006 | 4.2 | 1,704.95 | 0.54 | 539 | 537 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 701,721.46 | 3.62 |
| F04029-F04027 | 12 | 352 | 0.009 | 2.2 | 1,363.96 | 0.55 | 518 | 515 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,512,197.58 | 4.86 |
| B01050-B01031 | 8 | 0 | 0.025 | 2 | 615.28 | 0.54 | 682.12 | 675.45 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,450,670.71 | 7.48 |
| D16085-D16083 | 8 | 150 | 0.007 | 7.5 | 1,700.55 | 0.55 | 482 | 481 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 753,602.23 | 3.89 |
| H11149-H11147 | 8 | 211 | 0.005 | 4.7 | 1,839.07 | 0.54 | 384 | 383 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 635,399.08 | 3.28 |
| G04125-G04119 | 8 | 164 | 0.012 | 4.3 | 681.98 | 0.51 | 499 | 497 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,019,250.38 | 5.26 |
| E11157-E11155 | 8 | 94 | 0.011 | 3.7 | 1,040.56 | 0.55 | 406 | 405 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 951,971.35 | 4.91 |
| G10019-G10017 | 8 | 69 | 0.007 | 3.1 | 1,315.63 | 0.55 | 413 | 412.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 785,684.64 | 4.05 |
| F02007-F02005 | 8 | 117 | 0.006 | 3.7 | 1,730.23 | 0.55 | 534.73 | 534.05 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 703,638.08 | 3.63 |
| F14033-F14031 | 8 | 267 | 0.008 | 3.5 | 895.04 | 0.53 | 437.84 | 435.61 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 843,499.07 | 4.35 |
| E03097-E03095 | 8 | 149 | 0.007 | 3.9 | 1,681.98 | 0.55 | 568 | 567 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 756,126.87 | 3.90 |
| E12069-E12067 | 8 | 225 | 0.002 | 14.2 | 6,774.91 | 0.55 | 414 | 413.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 435,092.45 | 2.24 |
| H13079-H13077 | 10 | 17 | 0.001 | 9 | 9,604.06 | 0.54 | 383.02 | 383 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 573,990.95 | 1.78 |
| F05137-F05131 | 8 | 202 | 0.005 | 5.6 | 2,037.57 | 0.53 | 501 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 649,399.76 | 3.35 |
| F03069-F04017 | 8 | 294 | 0.003 | 5.9 | 3,379.84 | 0.55 | 518 | 517 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 538,287.31 | 2.78 |
| G05023-G05021 | 8 | 303 | 0.01 | 3.7 | 2,117.11 | 0.55 | 482 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 918,389.95 | 4.74 |
| D07153-D07151 | 8 | 221 | 0.005 | 5.5 | 2,460.05 | 0.55 | 475 | 474 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 620,857.13 | 3.20 |
| C01038-C01036 | 8 | 300 | 0.006 | 4.2 | 2,461.21 | 0.55 | 668.63 | 666.74 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 731,367.17 | 3.77 |
| G09009-G09001 | 8 | 215 | 0.005 | 5.9 | 2,384.34 | 0.56 | 412 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 629,460.64 | 3.25 |
| E03133-E03101 | 8 | 147 | 0.007 | 10.5 | 1,681.98 | 0.55 | 567 | 566 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 761,253.22 | 3.93 |
| H13075-H13073 | 10 | 337 | 0.012 | 4.8 | 693.26 | 0.54 | 380 | 376 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,823,180.02 | 5.64 |
| E13119-E12137 | 8 | 206 | 0.005 | 5.3 | 2,714.62 | 0.54 | 412 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 643,064.00 | 3.32 |
| E13037-D13061 | 8 | 198 | 0.005 | 9.4 | 2,405.61 | 0.54 | 427 | 426 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,926.55 | 3.38 |
| G09135-G09131 | 8 | 402 | 0.005 | 5.8 | 2,547.85 | 0.54 | 423 | 421 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 651,013.18 | 3.36 |
| F15087-F15073 | 8 | 124 | 0.008 | 5.3 | 1,360.44 | 0.53 | 465 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 828,851.95 | 4.27 |
| F05141-F05129 | 8 | 188 | 0.002 | 9.8 | 7,976.81 | 0.55 | 499.35 | 499 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 398,238.19 | 2.05 |
| G05137-G05093 | 8 | 343 | 0.006 | 16 | 1,796.83 | 0.55 | 483 | 481 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 704,783.53 | 3.63 |
| E07153-E07151 | 8 | 275 | 0.007 | 5 | 1,560.56 | 0.55 | 473 | 471 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 787,111.86 | 4.06 |
| B01016-B01014 | 8 | 164 | 0.033 | 1.4 | 311.35 | 0.55 | 682.85 | 677.46 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,673,247.81 | 8.63 |
| E11001-E10051 | 8 | 322 | 0.006 | 18.7 | 1,369.54 | 0.55 | 418 | 416 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 727,402.63 | 3.75 |
| G09003-G09001 | 8 | 241 | 0.004 | 6.1 | 2,814.57 | 0.55 | 412 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 594,537.55 | 3.07 |
| C02071-D02041 | 8 | 343 | 0.012 | 2.9 | 935.56 | 0.55 | 628 | 624 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 996,714.42 | 5.14 |
| C01046-C01044 | 8 | 300 | 0.013 | 2.5 | 926.45 | 0.52 | 647.95 | 643.94 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,063,546.60 | 5.49 |
| F09121-F09119 | 8 | 119 | 0.008 | 3.4 | 919.53 | 0.53 | 435 | 434 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 846,085.64 | 4.36 |
| E05085-E05083 | 8 | 252 | 0.004 | 6.2 | 3,363.96 | 0.56 | 531 | 530 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 581,416.75 | 3.00 |
| J14125-J14123 | 8 | 278 | 0.002 | 10.8 | 7,544.47 | 0.55 | 336.5 | 336 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 391,426.67 | 2.02 |
| F06037-F06031 | 8 | 282 | 0.011 | 2.8 | 1,040.37 | 0.56 | 480 | 477 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 951,971.35 | 4.91 |
| G04117-G04115 | 8 | 157 | 0.013 | 3.7 | 681.98 | 0.52 | 499 | 497 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,041,724.74 | 5.37 |
| E09015-E09013 | 10 | 241 | 0.004 | 6.6 | 2,730.40 | 0.56 | 436 | 435 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,077,968.29 | 3.34 |
| C07067-C07065 | 8 | 242 | 0.012 | 2.5 | 659.78 | 0.56 | 528 | 525 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,027,639.41 | 5.30 |
| C02105-C02103 | 8 | 165 | 0.027 | 1.9 | 901.71 | 0.55 | 671.45 | 666.98 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,514,563.63 | 7.81 |
| E14141-E14139 | 10 | 280 | 0.004 | 5.1 | 4,236.58 | 0.55 | 446 | 445 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,000,081.73 | 3.09 |
| E05047-E05045 | 8 | 427 | 0.007 | 3.8 | 1,681.98 | 0.56 | 541 | 538 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 773,632.13 | 3.99 |
| H12073-H12071 | 8 | 350 | 0.003 | 8.1 | 5,888.73 | 0.55 | 365 | 364 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 493,348.47 | 2.54 |
| E07115-E07113 | 8 | 332 | 0.006 | 4.9 | 2,080.74 | 0.56 | 488 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 716,364.02 | 3.69 |
| F15043-F15041 | 8 | 60 | 0.017 | 2 | 462.17 | 0.56 | 443 | 441.99 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,197,492.68 | 6.18 |
| E15095-E14033 | 8 | 241 | 0.008 | 4.9 | 1,360.44 | 0.53 | 455 | 453 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 840,803.06 | 4.34 |
| G04139-G04137 | 8 | 325 | 0.006 | 4.8 | 1,704.95 | 0.56 | 503 | 501 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 724,037.61 | 3.73 |
| E11097-E11095 | 8 | 188 | 0.003 | 7.8 | 5,761.65 | 0.56 | 414 | 413.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 475,985.68 | 2.45 |
| E08097-E08095 | 8 | 246 | 0.004 | 6.3 | 3,597.99 | 0.56 | 464 | 463 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 588,464.48 | 3.03 |
| C01040-C01038 | 8 | 140 | 0.006 | 4.2 | 2,470.49 | 0.56 | 669.51 | 668.63 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 731,754.03 | 3.77 |
| D16037-D16035 | 8 | 140 | 0.007 | 3.5 | 1,700.55 | 0.56 | 501 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 780,052.42 | 4.02 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| D01047-D01045 | 8 | 249 | 0.008 | 3.6 | 1,405.80 | 0.56 | 613 | 611 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 827,185.92 | 4.27 |
| H05069-H05067 | 8 | 168 | 0.012 | 2.8 | 783.59 | 0.56 | 451 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,007,043.35 | 5.19 |
| H11101-H11099 | 8 | 285 | 0.004 | 6.2 | 2,758.60 | 0.56 | 380 | 379 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 546,720.52 | 2.82 |
| F14011-F14009 | 8 | 304 | 0.005 | 4.2 | 2,000.40 | 0.55 | 440 | 438.44 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 661,170.27 | 3.41 |
| J11141-J11139 | 8 | 209 | 0.005 | 5.1 | 3,221.30 | 0.57 | 371 | 370 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 638,432.03 | 3.29 |
| E03047-E03045 | 8 | 292 | 0.01 | 6.7 | 1,121.32 | 0.56 | 566 | 563 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 935,528.47 | 4.82 |
| E02078-E02077 | 8 | 76 | 0.004 | 6.5 | 4,603.23 | 0.57 | 561.23 | 560.96 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 546,542.99 | 2.82 |
| F07045-F07041 | 8 | 328 | 0.003 | 7.3 | 5,107.92 | 0.56 | 465 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 509,625.19 | 2.63 |
| H11013-H11011 | 8 | 153 | 0.013 | 3.7 | 838.46 | 0.53 | 367 | 365 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,055,254.20 | 5.44 |
| E13041-D13059 | 8 | 198 | 0.005 | 9.5 | 2,770.68 | 0.55 | 425 | 424 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,926.55 | 3.38 |
| E12077-E12075 | 8 | 175 | 0.006 | 5 | 2,380.77 | 0.57 | 416 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 697,700.10 | 3.60 |
| C01001-C02069 | 8 | 266 | 0.008 | 3.7 | 1,560.98 | 0.56 | 636 | 634 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 800,316.90 | 4.13 |
| E06133-E06127 | 8 | 131 | 0.008 | 5.1 | 1,560.56 | 0.56 | 497 | 496 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 806,403.05 | 4.16 |
| F06031-F06029 | 8 | 203 | 0.01 | 3.1 | 1,523.19 | 0.58 | 477 | 475 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 916,125.11 | 4.72 |
| G08083-G08081 | 8 | 243 | 0.003 | 24.7 | 5,147.13 | 0.56 | 446 | 445.29 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 498,900.39 | 2.57 |
| F14143-F13121 | 8 | 263 | 0.008 | 3.8 | 1,694.67 | 0.56 | 430 | 428 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 804,868.50 | 4.15 |
| G09011-G09009 | 8 | 274 | 0.007 | 3.9 | 1,502.06 | 0.56 | 414 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 788,546.89 | 4.07 |
| J11107-J11105 | 8 | 208 | 0.004 | 6 | 3,854.00 | 0.55 | 375.8 | 375 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 572,401.99 | 2.95 |
| F06099-F06097 | 8 | 369 | 0.003 | 7.7 | 5,661.86 | 0.56 | 489 | 488 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 480,479.24 | 2.48 |
| B02007-B02003 | 8 | 295 | 0.019 | 2 | 908.69 | 0.55 | 688.38 | 682.61 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,286,463.56 | 6.63 |
| D18053-D18051 | 12 | 295 | 0.003 | 5.3 | 8,673.73 | 0.56 | 532.73 | 531.7 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,607,948.38 | 3.11 |
| F11035-F11033 | 8 | 323 | 0.006 | 7.3 | 2,103.59 | 0.56 | 405 | 403 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 726,275.75 | 3.75 |
| D07053-D07051 | 8 | 276 | 0.011 | 2.2 | 847.98 | 0.56 | 514 | 511 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 962,263.24 | 4.96 |
| E11117-E11115 | 8 | 234 | 0.009 | 3.8 | 1,360.44 | 0.54 | 421 | 419 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 853,286.50 | 4.40 |
| F10081-F10079 | 8 | 318 | 0.003 | 19 | 3,569.92 | 0.55 | 410 | 409 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 517,576.14 | 2.67 |
| H06025-H06023 | 8 | 327 | 0.007 | 4 | 1,633.00 | 0.56 | 446.6 | 444.4 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 757,051.23 | 3.90 |
| F14145-F14143 | 8 | 263 | 0.011 | 2.9 | 1,020.33 | 0.57 | 433 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 985,758.57 | 5.08 |
| D02065-D02063 | 8 | 343 | 0.003 | 7.1 | 4,991.82 | 0.56 | 613 | 612 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 498,357.21 | 2.57 |
| D07023-D07021 | 8 | 298 | 0.007 | 3.4 | 1,596.31 | 0.56 | 514 | 512 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 756,126.87 | 3.90 |
| E14015-E14013 | 15 | 301 | 0.007 | 2.8 | 2,715.54 | 0.56 | 451 | 449 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,021,822.96 | 5.19 |
| E13051-E13049 | 8 | 49 | 0.02 | 2.2 | 674.49 | 0.55 | 421 | 420 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,318,529.25 | 6.80 |
| F15031-F15029 | 8 | 295 | 0.01 | 2.9 | 891.98 | 0.56 | 457 | 454 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 930,759.39 | 4.80 |
| F13099-F13097 | 8 | 299 | 0.01 | 3.8 | 1,328.31 | 0.58 | 417 | 414 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 924,512.61 | 4.77 |
| F09051-F09049 | 8 | 337 | 0.009 | 39.1 | 940.33 | 0.56 | 432 | 429 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 870,830.20 | 4.49 |
| G15003-G15001 | 8 | 198 | 0.01 | 2.6 | 903.52 | 0.58 | 435 | 433 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 927,620.23 | 4.78 |
| F08037-F08017 | 8 | 281 | 0.003 | 13.1 | 3,890.44 | 0.56 | 437 | 436.2 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 492,469.84 | 2.54 |
| J11113-J11111 | 8 | 132 | 0.008 | 4.1 | 1,703.69 | 0.57 | 378 | 377 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 803,342.68 | 4.14 |
| D03095-D03093 | 8 | 221 | 0.018 | 1.9 | 624.39 | 0.56 | 608 | 604 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,241,714.25 | 6.40 |
| F08025-F08023 | 8 | 239 | 0.008 | 4.4 | 1,018.46 | 0.54 | 444 | 442 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 844,313.74 | 4.35 |
| D03077-D03075 | 8 | 301 | 0.003 | 6.5 | 4,364.62 | 0.56 | 624 | 623 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 531,991.34 | 2.74 |
| E07095-E07093 | 8 | 200 | 0.005 | 5.9 | 2,460.05 | 0.58 | 474 | 473 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 652,638.68 | 3.37 |
| E14127-E14125 | 8 | 86 | 0.012 | 3.9 | 1,020.33 | 0.57 | 433 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 995,264.66 | 5.13 |
| E05137-F05081 | 8 | 266 | 0.004 | 6.2 | 3,376.13 | 0.56 | 517 | 516 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 565,909.51 | 2.92 |
| F07075-F07073 | 8 | 255 | 0.004 | 6.3 | 3,610.85 | 0.56 | 470 | 469 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 577,986.53 | 2.98 |
| G13117-G13077 | 8 | 375 | 0.005 | 19.6 | 1,617.60 | 0.55 | 382 | 380 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 674,042.33 | 3.48 |
| E13047-E13045 | 8 | 300 | 0.003 | 6.9 | 5,068.70 | 0.57 | 419 | 418 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 532,877.25 | 2.75 |
| F13129-F13125 | 8 | 114 | 0.009 | 4.5 | 1,360.44 | 0.54 | 413 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 864,441.05 | 4.46 |
| F05155-F05143 | 8 | 216 | 0.01 | 4.6 | 1,018.85 | 0.57 | 503 | 500.77 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 937,806.77 | 4.84 |
| D04047-D04045 | 8 | 267 | 0.007 | 5.4 | 1,681.98 | 0.57 | 565 | 563 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 798,816.77 | 4.12 |
| E05133-F05083 | 8 | 267 | 0.004 | 6.6 | 3,382.94 | 0.56 | 519 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 564,848.76 | 2.91 |
| G12033-G12063 | 10 | 258 | 0.004 | 4.3 | 3,125.86 | 0.56 | 386 | 385 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,041,848.70 | 3.22 |
| F02086-F02084 | 8 | 162 | 0.004 | 6 | 3,420.02 | 0.56 | 541.23 | 540.4 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 564,352.39 | 2.91 |
| E11067-E11065 | 10 | 347 | 0.004 | 34.8 | 5,068.76 | 0.58 | 408 | 406.72 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,016,376.83 | 3.15 |
| C02097-C02088 | 8 | 300 | 0.029 | 2 | 312.2 | 0.55 | 668.79 | 660 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,577,244.41 | 8.13 |
| E03013-E03011 | 8 | 85 | 0.005 | 4.7 | 2,783.00 | 0.56 | 550.46 | 550 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 678,980.44 | 3.50 |
| J12075-J12029 | 21 | 152 | 0.002 | 50.5 | 17,374.10 | 0.57 | 357.68 | 357.4 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 5,194,254.00 | 3.35 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| E17029-E17027 | 8 | 263 | 0.008 | 4.2 | 1,700.55 | 0.57 | 510 | 508 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 804,868.50 | 4.15 |
| E11015-E10055 | 8 | 389 | 0.003 | 15.5 | 4,593.34 | 0.57 | 422 | 421 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 467,964.61 | 2.41 |
| F16073-F16071 | 8 | 112 | 0.009 | 3.3 | 1,360.44 | 0.55 | 486 | 485 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 872,125.12 | 4.50 |
| G12027-G12025 | 8 | 274 | 0.004 | 15.3 | 2,903.71 | 0.57 | 383 | 382 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 557,586.85 | 2.88 |
| F14101-F14099 | 8 | 219 | 0.018 | 2.5 | 680.22 | 0.57 | 449 | 445 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,247,371.29 | 6.43 |
| F16067-F16065 | 8 | 131 | 0.004 | 6.5 | 4,067.45 | 0.56 | 484 | 483.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 570,213.06 | 2.94 |
| C01052-C01050 | 8 | 300 | 0.019 | 1.8 | 624.39 | 0.57 | 665.02 | 659.34 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,267,881.68 | 6.54 |
| G04047-G04045 | 8 | 298 | 0.007 | 8.4 | 4,158.25 | 0.57 | 486 | 484 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 756,126.87 | 3.90 |
| E10011-E10009 | 15 | 127 | 0.004 | 2.9 | 4,282.05 | 0.58 | 418.5 | 418 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,095,810.30 | 3.99 |
| F07097-F07095 | 8 | 116 | 0.002 | 11.7 | 11,116.18 | 0.57 | 480 | 479.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 383,242.63 | 1.98 |
| E03009-E03007 | 8 | 389 | 0.008 | 5.5 | 1,681.98 | 0.58 | 551 | 548 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 810,538.47 | 4.18 |
| J11153-J11151 | 8 | 101 | 0.006 | 5.8 | 2,375.51 | 0.58 | 373.43 | 372.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 728,949.42 | 3.76 |
| E03261-E03259 | 8 | 292 | 0.01 | 2.9 | 1,022.97 | 0.57 | 546 | 543 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 935,528.47 | 4.82 |
| F14123-F14117 | 6 | 123 | 0.008 | 5.3 | 1,360.44 | 0.55 | 445 | 444 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 386,425.06 | 2.99 |
| G05121-G05119 | 8 | 247 | 0.008 | 3.6 | 1,363.96 | 0.58 | 496 | 494 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 830,528.10 | 4.28 |
| G10013-F10039 | 10 | 348 | 0.003 | 6.2 | 6,559.60 | 0.57 | 410 | 409 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 897,067.01 | 2.78 |
| E14119-E14117 | 8 | 237 | 0.009 | 3.9 | 1,359.08 | 0.57 | 434.19 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 887,228.92 | 4.58 |
| E13121-E13119 | 8 | 219 | 0.009 | 3.8 | 1,360.44 | 0.55 | 414 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 882,024.70 | 4.55 |
| F12003-G12075 | 8 | 359 | 0.006 | 4.6 | 1,617.60 | 0.56 | 390 | 388 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 688,899.04 | 3.55 |
| D03109-E03053 | 6 | 292 | 0.003 | 8.7 | 3,924.62 | 0.58 | 574 | 573 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 250,799.36 | 1.94 |
| D03123-E03069 | 6 | 292 | 0.003 | 8.7 | 3,924.62 | 0.58 | 571 | 570 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 250,799.36 | 1.94 |
| C04007-C05015 | 8 | 292 | 0.003 | 6.5 | 4,370.73 | 0.58 | 648 | 647 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 540,127.61 | 2.79 |
| F05107-F05105 | 8 | 30 | 0.033 | 14.7 | 340.99 | 0.64 | 507 | 506 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,685,105.82 | 8.69 |
| F06077-F06075 | 8 | 173 | 0.001 | 19 | 22,305.10 | 0.58 | 490.13 | 489.97 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 280,688.58 | 1.45 |
| H11127-H11125 | 8 | 295 | 0.003 | 6.6 | 3,218.37 | 0.58 | 377 | 376 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 537,374.18 | 2.77 |
| E03169-E03143 | 8 | 60 | 0.008 | 4.3 | 2,158.95 | 0.58 | 556.5 | 556 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 842,552.91 | 4.35 |
| H11089-H11087 | 8 | 297 | 0.003 | 6.1 | 3,261.05 | 0.58 | 382 | 381 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 535,561.79 | 2.76 |
| J11161-J11077 | 8 | 574 | 0.01 | 14 | 1,257.69 | 0.57 | 371 | 365 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 943,642.49 | 4.87 |
| E05093-E05091 | 8 | 262 | 0.004 | 6.6 | 3,924.62 | 0.58 | 534 | 533 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 570,213.06 | 2.94 |
| E14013-E14011 | 15 | 301 | 0.003 | 10.4 | 6,634.22 | 0.58 | 449 | 448 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,843,858.29 | 3.67 |
| H11137-H11135 | 8 | 318 | 0.006 | 5.4 | 1,674.04 | 0.59 | 383 | 381 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 731,963.20 | 3.78 |
| G14037-G14035 | 8 | 327 | 0.006 | 5.9 | 2,397.76 | 0.58 | 437 | 435 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 721,820.03 | 3.72 |
| E07035-E07007 | 8 | 163 | 0.009 | 9 | 1,230.03 | 0.56 | 477.5 | 476 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 885,400.24 | 4.57 |
| F07003-F07001 | 8 | 179 | 0.006 | 10.2 | 3,016.71 | 0.56 | 452 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 689,860.52 | 3.56 |
| F09131-G09053 | 8 | 512 | 0.004 | 11.6 | 2,758.60 | 0.57 | 432 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| C07041-C07039 | 8 | 101 | 0.04 | 1.4 | 188.84 | 0.59 | 531 | 527 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,836,779.89 | 9.47 |
| F07047-F07045 | 8 | 354 | 0.008 | 5.2 | 1,560.56 | 0.59 | 468 | 465 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 849,663.19 | 4.38 |
| F15093-F15091 | 6 | 119 | 0.008 | 21 | 1,360.44 | 0.56 | 454 | 453 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 392,865.93 | 3.04 |
| K14079-J14123 | 8 | 259 | 0.002 | 11 | 8,572.34 | 0.58 | 336.5 | 336 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 405,529.94 | 2.09 |
| H12071-H12069 | 8 | 349 | 0.003 | 8.5 | 7,391.34 | 0.58 | 364 | 363 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 494,054.77 | 2.55 |
| E11143-E11141 | 8 | 287 | 0.007 | 4.9 | 2,040.66 | 0.58 | 420 | 418 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 770,480.86 | 3.97 |
| C06091-C06077 | 8 | 158 | 0.025 | 1.7 | 377.67 | 0.57 | 568 | 564 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,468,551.76 | 7.57 |
| E07023-E07021 | 12 | 400 | 0.003 | 8.2 | 7,566.71 | 0.58 | 491 | 490 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,360,612.64 | 2.63 |
| G03039-G03037 | 8 | 155 | 0.006 | 8.5 | 2,035.07 | 0.59 | 510 | 509 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 741,347.72 | 3.82 |
| D17033-D17031 | 8 | 147 | 0.006 | 4.9 | 2,354.74 | 0.59 | 527.95 | 527 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 741,977.85 | 3.83 |
| G09007-G09005 | 8 | 57 | 0.009 | 3.1 | 1,315.48 | 0.59 | 413 | 412.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 864,441.05 | 4.46 |
| F16057-F16055 | 8 | 226 | 0.004 | 6.3 | 4,058.58 | 0.59 | 489 | 488 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 613,950.83 | 3.17 |
| G09157-G09155 | 6 | 106 | 0.019 | 3.2 | 580.97 | 0.59 | 417 | 415 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 588,680.85 | 4.55 |
| F03019-G03061 | 8 | 356 | 0.008 | 4 | 1,363.96 | 0.59 | 513 | 510 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 847,273.13 | 4.37 |
| F12119-F12117 | 8 | 221 | 0.005 | 5.6 | 3,728.04 | 0.59 | 410 | 409 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 620,857.13 | 3.20 |
| G09133-G09131 | 8 | 193 | 0.005 | 6 | 3,059.16 | 0.59 | 422 | 421 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 664,368.68 | 3.43 |
| F15017-F15015 | 8 | 276 | 0.011 | 2.7 | 813.57 | 0.58 | 460 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 962,263.24 | 4.96 |
| G15025-G15009 | 8 | 310 | 0.003 | 7.2 | 4,602.58 | 0.58 | 440 | 439 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 524,212.00 | 2.70 |
| J11063-H11113 | 8 | 561 | 0.007 | 13 | 2,096.16 | 0.59 | 373 | 369 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 779,356.88 | 4.02 |
| D08093-D08091 | 8 | 340 | 0.018 | 2.8 | 692.33 | 0.59 | 476 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,226,094.58 | 6.32 |
| B02001-C02106 | 8 | 227 | 0.027 | 2.2 | 903.19 | 0.63 | 678.54 | 672.18 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,511,966.58 | 7.80 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| F06159-F06145 | 8 | 304 | 0.003 | 10.6 | 5,159.65 | 0.59 | 489 | 488 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 529,359.87 | 2.73 |
| E03113-E03111 | 8 | 251 | 0.004 | 6.2 | 4,379.09 | 0.56 | 573 | 572 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 582,573.80 | 3.00 |
| F02094-F02092 | 8 | 0 | 0.009 | 3.8 | 1,228.72 | 0.56 | 544 | 542.97 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 885,110.33 | 4.56 |
| F08009-F08007 | 8 | 259 | 0.012 | 3.1 | 849.77 | 0.59 | 454 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 993,341.44 | 5.12 |
| G09123-G09121 | 8 | 392 | 0.005 | 7.8 | 3,164.82 | 0.58 | 414 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 659,264.62 | 3.40 |
| E06137-E06135 | 8 | 358 | 0.006 | 5.4 | 2,600.93 | 0.57 | 497 | 495 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 689,860.52 | 3.56 |
| K14007-K14005 | 8 | 306 | 0.003 | 6.7 | 4,402.91 | 0.58 | 328 | 327 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 527,627.10 | 2.72 |
| E02070-E02064 | 8 | 339.9 | 0.003 | 8.2 | 5,066.08 | 0.59 | 560.47 | 559.45 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 505,531.75 | 2.61 |
| F04037-F04035 | 8 | 299 | 0.007 | 4 | 2,029.18 | 0.59 | 513 | 511 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 754,861.39 | 3.89 |
| E04157-F04171 | 8 | 255 | 0.012 | 6.9 | 1,016.61 | 0.59 | 534 | 531 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,001,102.04 | 5.16 |
| F09095-F09087 | 8 | 177 | 0.006 | 12 | 1,839.07 | 0.57 | 428 | 427 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 693,747.09 | 3.58 |
| G07019-F07059 | 8 | 345 | 0.006 | 5.6 | 2,580.78 | 0.57 | 470 | 468 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 702,737.71 | 3.62 |
| F03013-F03011 | 8 | 355 | 0.011 | 2.9 | 1,022.97 | 0.59 | 528 | 524 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 979,723.73 | 5.05 |
| F08147-F08101 | 8 | 247 | 0.004 | 22.8 | 4,120.30 | 0.58 | 451 | 450 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,272.05 | 3.03 |
| E04039-E04037 | 8 | 366 | 0.003 | 8.2 | 6,686.64 | 0.59 | 549 | 548 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 482,444.39 | 2.49 |
| F09099-F09097 | 8 | 297 | 0.003 | 9.4 | 3,675.66 | 0.59 | 427 | 426 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 535,561.79 | 2.76 |
| E04147-E04143 | 8 | 259 | 0.004 | 6 | 4,036.92 | 0.6 | 536 | 535 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 573,505.95 | 2.96 |
| F15123-F15099 | 6 | 260 | 0.008 | 21 | 1,700.55 | 0.59 | 466 | 464 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 375,877.36 | 2.91 |
| C02124-C02122 | 8 | 300 | 0.015 | 2.2 | 922.71 | 0.56 | 650.2 | 645.64 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,136,022.62 | 5.86 |
| J15025-J15023 | 8 | 261 | 0.004 | 9.1 | 3,886.23 | 0.6 | 332 | 331 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 571,304.38 | 2.95 |
| G05035-G05033 | 8 | 303 | 0.013 | 3.9 | 1,925.10 | 0.6 | 478 | 474 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,060,465.36 | 5.47 |
| H12025-H12023 | 8 | 410 | 0.008 | 33.4 | 1,155.43 | 0.59 | 373 | 369.59 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 841,730.51 | 4.34 |
| D12051-D12049 | 8 | 238 | 0.001 | 15.2 | 16,114.71 | 0.59 | 441.5 | 441.21 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 322,179.81 | 1.66 |
| G05047-G05045 | 8 | 172 | 0.012 | 4.1 | 2,612.12 | 0.59 | 479 | 477 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 995,264.66 | 5.13 |
| D05061-D05059 | 8 | 238 | 0.004 | 7.2 | 4,345.34 | 0.58 | 590 | 589 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 598,272.90 | 3.09 |
| D10137-D10135 | 8 | 362 | 0.003 | 12.4 | 4,928.32 | 0.59 | 432 | 431 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 485,102.51 | 2.50 |
| F08143-F08103 | 8 | 249 | 0.004 | 31.5 | 4,626.94 | 0.61 | 452 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 584,908.77 | 3.02 |
| F03057-F03055 | 8 | 353 | 0.006 | 5 | 2,682.47 | 0.58 | 517 | 515 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 694,729.04 | 3.58 |
| F16007-F16005 | 8 | 171 | 0.006 | 6.1 | 2,712.00 | 0.58 | 485 | 484 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 705,813.16 | 3.64 |
| J13009-J13007 | 8 | 78 | 0.013 | 3.7 | 895.53 | 0.6 | 339 | 338 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,045,058.27 | 5.39 |
| F08079-F08077 | 8 | 248 | 0.004 | 6.3 | 3,216.52 | 0.61 | 438 | 437 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 586,086.84 | 3.02 |
| E08089-E08087 | 8 | 189 | 0.005 | 5.4 | 3,102.51 | 0.59 | 462 | 461 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 671,362.23 | 3.46 |
| C03029-C03027 | 8 | 306 | 0.007 | 4.2 | 2,495.45 | 0.6 | 676 | 674 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 746,177.40 | 3.85 |
| F06029-F06027 | 8 | 261 | 0.011 | 3 | 1,506.19 | 0.59 | 475 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 989,528.21 | 5.10 |
| E16019-E16017 | 8 | 324 | 0.009 | 4.5 | 1,525.69 | 0.6 | 485 | 482 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 888,128.75 | 4.58 |
| F09057-F09055 | 8 | 293 | 0.014 | 2.4 | 716.03 | 0.6 | 426 | 422 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,078,410.21 | 5.56 |
| F06107-F06063 | 8 | 346 | 0.027 | 14.7 | 520.19 | 0.58 | 491 | 481.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,513,182.23 | 7.80 |
| K10011-K10009 | 12 | 300 | 0.002 | 12.4 | 43,492.95 | 0.58 | 377.55 | 376.85 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,314,476.69 | 2.54 |
| D10061-D10059 | 8 | 249 | 0.004 | 6.8 | 3,020.62 | 0.6 | 450 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 584,908.77 | 3.02 |
| G09167-G09165 | 6 | 100 | 0.02 | 3.3 | 580.97 | 0.6 | 420 | 418 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 606,084.03 | 4.69 |
| F06105-F06101 | 8 | 137 | 0.007 | 8.7 | 2,080.74 | 0.6 | 484 | 483 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 788,546.89 | 4.07 |
| C02092-C02090 | 8 | 300 | 0.035 | 1.2 | 312.2 | 0.59 | 665.86 | 655.32 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,721,419.82 | 8.88 |
| F12037-F12005 | 8 | 171 | 0.012 | 11.7 | 1,509.06 | 0.61 | 389 | 387 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 998,170.54 | 5.15 |
| E05143-E05141 | 8 | 264 | 0.008 | 3.9 | 1,704.95 | 0.6 | 515 | 513 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 803,342.68 | 4.14 |
| F08151-F08097 | 8 | 246 | 0.004 | 26.8 | 4,633.98 | 0.61 | 450 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 588,464.48 | 3.03 |
| E14099-E14095 | 8 | 250 | 0.004 | 7.8 | 4,743.64 | 0.61 | 437 | 436 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 583,737.78 | 3.01 |
| E11081-E11079 | 10 | 252 | 0.004 | 6.8 | 5,734.52 | 0.59 | 412 | 411 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,054,178.70 | 3.26 |
| E14045-E14113 | 8 | 257 | 0.012 | 3.4 | 1,360.44 | 0.62 | 446 | 443 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 997,199.09 | 5.14 |
| H06037-H06035 | 8 | 158 | 0.012 | 3.2 | 1,067.30 | 0.6 | 451.4 | 449.54 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,001,418.79 | 5.16 |
| E11103-E11097 | 8 | 143 | 0.007 | 5.9 | 2,376.80 | 0.6 | 415 | 414 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 771,826.68 | 3.98 |
| E08087-E08085 | 8 | 233 | 0.004 | 6.6 | 4,109.86 | 0.59 | 461 | 460 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 604,658.06 | 3.12 |
| F03043-F03041 | 8 | 366 | 0.003 | 8 | 6,377.37 | 0.6 | 525 | 524 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 482,444.39 | 2.49 |
| H06031-H06029 | 8 | 137 | 0.007 | 4.5 | 2,497.70 | 0.6 | 446.2 | 445.25 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 768,580.44 | 3.96 |
| E12137-E12135 | 8 | 228 | 0.004 | 5.8 | 4,064.00 | 0.59 | 411 | 410 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 611,252.13 | 3.15 |
| G09103-G09101 | 8 | 167 | 0.006 | 3.7 | 1,839.07 | 0.59 | 406 | 405 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 714,215.99 | 3.68 |
| H06045-H06043 | 8 | 276 | 0.007 | 3.9 | 2,028.11 | 0.6 | 451 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 785,684.64 | 4.05 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| E12079-E12061 | 8 | 227 | 0.004 | 10.9 | 3,741.21 | 0.59 | 412 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 612,597.02 | 3.16 |
| F11037-F11033 | 8 | 238 | 0.004 | 8.4 | 4,402.53 | 0.59 | 404 | 403 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 598,272.90 | 3.09 |
| D14129-D14127 | 8 | 48 | 0.021 | 2.7 | 680.22 | 0.6 | 475 | 474 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,332,193.13 | 6.87 |
| F13125-F13123 | 8 | 234 | 0.004 | 6.1 | 4,398.52 | 0.59 | 412 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 603,364.67 | 3.11 |
| C02033-C02027 | 8 | 257 | 0.023 | 3.2 | 623.73 | 0.6 | 653 | 647 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,410,252.48 | 7.27 |
| H13055-H13053 | 8 | 264 | 0.008 | 3.5 | 1,386.51 | 0.6 | 370 | 368 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 803,342.68 | 4.14 |
| G07033-G07029 | 8 | 237 | 0.004 | 6.9 | 4,137.55 | 0.59 | 450 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 599,533.75 | 3.09 |
| K13027-K13025 | 8 | 238 | 0.004 | 5.8 | 3,508.10 | 0.59 | 336 | 335 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 598,272.90 | 3.09 |
| G05155-G05151 | 8 | 104 | 0.019 | 2 | 681.98 | 0.61 | 489 | 487 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,279,929.75 | 6.60 |
| E06105-E06101 | 8 | 295 | 0.003 | 6.8 | 4,860.14 | 0.6 | 497 | 496 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 537,374.18 | 2.77 |
| E12081-E12061 | 8 | 72 | 0.014 | 9.3 | 1,020.33 | 0.61 | 412 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,087,731.13 | 5.61 |
| D15041-D15039 | 8 | 84 | 0.012 | 3 | 1,360.44 | 0.62 | 462 | 461 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,007,043.35 | 5.19 |
| E07139-E07137 | 8 | 249 | 0.004 | 6.9 | 4,623.42 | 0.61 | 468 | 467 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 584,908.77 | 3.02 |
| G09161-G09159 | 6 | 99 | 0.021 | 3.4 | 580.97 | 0.61 | 418 | 415.94 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 618,206.91 | 4.78 |
| J12051-J11053 | 8 | 143 | 0.014 | 10.4 | 1,048.08 | 0.61 | 369 | 367 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,091,527.76 | 5.63 |
| G09095-G09093 | 8 | 199 | 0.005 | 4.8 | 2,410.76 | 0.6 | 403 | 402 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 654,276.42 | 3.37 |
| F10041-F10039 | 8 | 298 | 0.01 | 5.3 | 1,222.02 | 0.58 | 412 | 409 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 926,062.51 | 4.78 |
| D02083-D02081 | 8 | 177 | 0.006 | 8.9 | 2,917.03 | 0.62 | 605 | 604 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 693,747.09 | 3.58 |
| F04091-F04073 | 8 | 199 | 0.005 | 7.6 | 2,713.99 | 0.6 | 519 | 517.91 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 683,084.64 | 3.52 |
| E12117-E12115 | 8 | 266 | 0.004 | 7.7 | 4,761.54 | 0.61 | 411 | 410 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 565,909.51 | 2.92 |
| F16065-F16015 | 8 | 138 | 0.004 | 17.4 | 5,418.29 | 0.6 | 483.5 | 483 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 555,562.94 | 2.87 |
| H05065-H05063 | 8 | 326 | 0.006 | 4.1 | 2,356.67 | 0.59 | 447 | 445 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 722,926.27 | 3.73 |
| F04047-F05015 | 8 | 300 | 0.003 | 6.9 | 5,053.56 | 0.61 | 509 | 508 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 532,877.25 | 2.75 |
| F02092-F02090 | 8 | 301 | 0.005 | 5.8 | 2,926.22 | 0.6 | 542.97 | 541.46 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,904.62 | 3.38 |
| E09071-E09069 | 8 | 378 | 0.029 | 32.1 | 378.16 | 0.66 | 433 | 422 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,574,483.99 | 8.12 |
| G04027-G04009 | 8 | 298 | 0.01 | 6.7 | 2,865.39 | 0.58 | 482 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 926,062.51 | 4.78 |
| F16071-F16069 | 8 | 62 | 0.008 | 4.5 | 2,037.43 | 0.61 | 485 | 484.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 828,851.95 | 4.27 |
| F06095-F06093 | 8 | 228 | 0.01 | 3.7 | 1,552.35 | 0.58 | 497.02 | 494.79 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 912,794.08 | 4.71 |
| F13139-F13137 | 8 | 252 | 0.012 | 3.6 | 1,256.03 | 0.61 | 416 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,007,043.35 | 5.19 |
| F15069-F15067 | 8 | 245 | 0.012 | 3.3 | 1,359.14 | 0.62 | 466 | 463 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,021,328.36 | 5.27 |
| E14081-E14079 | 8 | 110 | 0.009 | 3.6 | 1,700.55 | 0.61 | 436 | 435 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 880,017.82 | 4.54 |
| G04015-G04013 | 8 | 321 | 0.009 | 5 | 3,241.97 | 0.61 | 485 | 482 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 892,269.23 | 4.60 |
| K09001-K10011 | 12 | 301 | 0.002 | 12.4 | 43,527.96 | 0.59 | 378.26 | 377.55 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,321,631.63 | 2.56 |
| E03109-E03107 | 8 | 137 | 0.007 | 5.9 | 2,242.64 | 0.61 | 571 | 570 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 788,546.89 | 4.07 |
| E18045-E18043 | 8 | 186 | 0.022 | 2.5 | 680.22 | 0.6 | 542 | 538 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,353,509.57 | 6.98 |
| F04133-F04127 | 8 | 201 | 0.007 | 6.5 | 2,045.94 | 0.62 | 518.08 | 516.66 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 775,771.73 | 4.00 |
| D15021-D15019 | 8 | 246 | 0.012 | 4 | 1,360.44 | 0.63 | 486 | 483 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,019,250.38 | 5.26 |
| H12031-H12029 | 8 | 381 | 0.01 | 2.7 | 924.34 | 0.6 | 375 | 371 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 945,704.19 | 4.88 |
| J07153-J07151 | 8 | 344 | 0.01 | 3.2 | 1,309.55 | 0.6 | 416.18 | 412.57 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 945,501.42 | 4.88 |
| F04015-F04009 | 8 | 308 | 0.003 | 7.6 | 5,385.24 | 0.61 | 519 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 525,911.24 | 2.71 |
| F04095-F04071 | 8 | 199 | 0.006 | 7.4 | 2,713.99 | 0.62 | 518 | 516.88 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 692,421.08 | 3.57 |
| G05065-G05063 | 8 | 20 | 0.05 | 1.6 | 389.23 | 0.62 | 476 | 475 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,063,824.72 | 10.64 |
| F04019-F04005 | 8 | 307 | 0.003 | 8.3 | 5,385.49 | 0.61 | 513 | 512 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 526,767.07 | 2.72 |
| G13063-G13029 | 8 | 188 | 0.005 | 12.2 | 2,264.31 | 0.61 | 390 | 389 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 673,145.40 | 3.47 |
| F03049-F03023 | 8 | 364 | 0.003 | 9.9 | 6,716.84 | 0.61 | 517 | 516 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 483,767.98 | 2.49 |
| D08075-D08073 | 8 | 250 | 0.012 | 2.9 | 1,203.79 | 0.63 | 489 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,011,063.49 | 5.21 |
| G14081-G14079 | 8 | 140 | 0.021 | 2.3 | 462.17 | 0.61 | 430 | 427 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,351,090.43 | 6.97 |
| F13023-F13021 | 8 | 230 | 0.009 | 3 | 1,239.19 | 0.62 | 408 | 406 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 860,674.40 | 4.44 |
| F04059-F05009 | 8 | 304 | 0.003 | 9 | 5,385.61 | 0.61 | 504 | 503 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 529,359.87 | 2.73 |
| F04063-F04061 | 8 | 310 | 0.01 | 3.9 | 1,363.96 | 0.62 | 509 | 506 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 907,961.82 | 4.68 |
| E05075-E05073 | 8 | 256 | 0.004 | 24.9 | 5,017.77 | 0.62 | 527 | 526 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| H11059-H11057 | 8 | 315 | 0.006 | 4.6 | 1,839.07 | 0.6 | 385 | 383 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 735,440.48 | 3.79 |
| E11099-E11097 | 8 | 134 | 0.007 | 5.9 | 2,376.52 | 0.62 | 415 | 414 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 797,325.05 | 4.11 |
| E03187-E03185 | 8 | 83 | 0.012 | 3.4 | 1,652.81 | 0.63 | 562 | 561 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,013,091.71 | 5.22 |
| G11007-G11005 | 8 | 314 | 0.006 | 4.2 | 1,839.07 | 0.6 | 386 | 384 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 736,610.63 | 3.80 |
| D08107-D08105 | 8 | 289 | 0.003 | 7.6 | 4,920.11 | 0.62 | 471 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 542,923.81 | 2.80 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| D12021-D12019 | 8 | 401 | 0.007 | 4.6 | 2,307.05 | 0.62 | 435 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 798,318.60 | 4.12 |
| E04127-E04125 | 8 | 231 | 0.004 | 5.6 | 3,728.40 | 0.62 | 531 | 530 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 607,269.99 | 3.13 |
| G05041-G05039 | 8 | 134 | 0.007 | 5.8 | 5,173.91 | 0.62 | 473 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 797,325.05 | 4.11 |
| G05045-G05043 | 8 | 200 | 0.01 | 4.9 | 3,363.47 | 0.59 | 477 | 475 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 922,970.47 | 4.76 |
| F13083-F13081 | 8 | 400 | 0.004 | 6.8 | 5,410.47 | 0.62 | 421.59 | 419.99 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 583,737.78 | 3.01 |
| J14081-J14079 | 8 | 119 | 0.004 | 5.7 | 3,797.77 | 0.62 | 339.5 | 339 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 598,272.90 | 3.09 |
| J11009-J11007 | 8 | 231 | 0.009 | 3.8 | 1,978.72 | 0.62 | 383 | 381 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 858,809.45 | 4.43 |
| D01019-D02055 | 8 | 248 | 0.008 | 8.1 | 2,148.18 | 0.62 | 608 | 606 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 828,851.95 | 4.27 |
| F15021-F15019 | 8 | 313 | 0.01 | 3.6 | 1,339.56 | 0.62 | 461 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 903,600.09 | 4.66 |
| D19013-D19011 | 8 | 300 | 0.004 | 8.1 | 7,384.97 | 0.61 | 559.06 | 558.01 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 551,580.36 | 2.84 |
| E07151-E07147 | 8 | 265 | 0.004 | 8.1 | 5,174.77 | 0.62 | 471 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 566,976.25 | 2.92 |
| F06007-F06005 | 8 | 275 | 0.004 | 7.1 | 5,649.91 | 0.61 | 472 | 471 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 556,572.14 | 2.87 |
| E02077-E02075 | 8 | 0 | 0.004 | 6.6 | 4,929.64 | 0.62 | 560.96 | 559.76 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 603,149.91 | 3.11 |
| E07081-E07077 | 8 | 159 | 0.013 | 4.2 | 1,230.03 | 0.64 | 478 | 476 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,035,152.28 | 5.34 |
| F08043-G08009 | 8 | 280 | 0.004 | 7.3 | 4,133.52 | 0.62 | 434 | 433 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 551,580.36 | 2.84 |
| H13043-H13041 | 6 | 101 | 0.003 | 9.2 | 3,852.06 | 0.62 | 373.2 | 372.9 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 233,570.39 | 1.81 |
| F09093-F09091 | 8 | 82 | 0.012 | 10.7 | 919.53 | 0.62 | 432 | 431 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,019,250.38 | 5.26 |
| F03149-F03145 | 8 | 189 | 0.006 | 14.2 | 3,029.32 | 0.63 | 532.12 | 531 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 710,503.00 | 3.66 |
| L14029-L14027 | 8 | 234 | 0.004 | 7.9 | 4,128.90 | 0.62 | 315 | 314 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 603,364.67 | 3.11 |
| E16053-E15087 | 8 | 391 | 0.013 | 3.9 | 1,360.44 | 0.64 | 478 | 473 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,043,721.02 | 5.38 |
| G05017-G05015 | 8 | 320 | 0.009 | 4.9 | 3,888.01 | 0.62 | 483 | 480 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 893,662.32 | 4.61 |
| F03003-G03023 | 8 | 355 | 0.008 | 3.9 | 1,704.95 | 0.62 | 510 | 507 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 848,465.64 | 4.38 |
| F04097-F04095 | 8 | 200 | 0.01 | 3.7 | 1,363.96 | 0.63 | 520 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 922,970.47 | 4.76 |
| F04093-F04091 | 8 | 200 | 0.01 | 3.7 | 1,363.96 | 0.63 | 521 | 519 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 922,970.47 | 4.76 |
| C03057-C03055 | 8 | 165 | 0.024 | 2.1 | 624.39 | 0.62 | 639 | 635 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,437,063.08 | 7.41 |
| D07025-D07023 | 8 | 215 | 0.009 | 3.2 | 1,410.92 | 0.62 | 516 | 514 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 890,191.77 | 4.59 |
| H13039-H13023 | 6 | 112 | 0.003 | 14.8 | 4,632.03 | 0.62 | 372.6 | 372.3 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 221,804.04 | 1.72 |
| E08101-E08099 | 8 | 68 | 0.015 | 3.3 | 1,040.37 | 0.63 | 466 | 465 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,119,266.10 | 5.77 |
| E14043-E14097 | 8 | 310 | 0.01 | 3.8 | 1,700.55 | 0.63 | 444 | 441 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 907,961.82 | 4.68 |
| K14047-K14045 | 8 | 256 | 0.004 | 6.9 | 4,573.89 | 0.62 | 330 | 329 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| E17046-E17038 | 8 | 279 | 0.003 | 9.5 | 7,081.32 | 0.62 | 521.33 | 520.38 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 538,576.63 | 2.78 |
| J08015-J08005 | 8 | 327 | 0.002 | 21.5 | 14,766.50 | 0.62 | 401.55 | 401 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 378,525.62 | 1.95 |
| F15111-F15109 | 8 | 279 | 0.004 | 8.7 | 5,769.66 | 0.62 | 478 | 477 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 552,567.97 | 2.85 |
| C02080-C02031 | 8 | 177.1 | 0.01 | 4.5 | 2,782.29 | 0.63 | 651.25 | 650 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 922,970.47 | 4.76 |
| G09153-G09139 | 8 | 146 | 0.021 | 5.2 | 871.45 | 0.63 | 421 | 418 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,323,037.05 | 6.82 |
| H12029-H12027 | 12 | 107 | 0.008 | 22.2 | 1,788.60 | 0.63 | 371 | 370.12 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,467,822.65 | 4.77 |
| J12071-J12069 | 8 | 317 | 0.006 | 5.3 | 3,338.82 | 0.62 | 366 | 364 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 733,116.80 | 3.78 |
| H11135-H11133 | 8 | 345 | 0.003 | 7.3 | 5,348.52 | 0.63 | 381 | 380 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 496,910.60 | 2.56 |
| E07143-E07141 | 8 | 193 | 0.01 | 3.9 | 1,560.56 | 0.6 | 471 | 469 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 939,559.20 | 4.85 |
| E03001-E04039 | 8 | 361 | 0.006 | 6.6 | 3,363.96 | 0.62 | 551 | 549 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 686,988.08 | 3.54 |
| F18021-F18017 | 8 | 304 | 0.01 | 4.5 | 1,700.55 | 0.63 | 543 | 540 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 916,878.19 | 4.73 |
| E19001-D19013 | 8 | 0 | 0.003 | 8.2 | 7,412.42 | 0.63 | 560.11 | 559.06 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 536,293.17 | 2.77 |
| H13081-H13069 | 8 | 384 | 0.008 | 5.7 | 1,386.51 | 0.63 | 378 | 374.75 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 849,109.84 | 4.38 |
| G04009-G04001 | 8 | 248 | 0.004 | 9.3 | 10,411.18 | 0.62 | 479 | 478 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 586,086.84 | 3.02 |
| G09113-G09111 | 8 | 171 | 0.006 | 4.2 | 2,294.53 | 0.62 | 406 | 405 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 705,813.16 | 3.64 |
| F05003-F05001 | 10 | 288 | 0.007 | 5.4 | 2,835.09 | 0.63 | 500 | 498 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,394,547.34 | 4.32 |
| F08069-F08067 | 8 | 224 | 0.004 | 5.7 | 3,216.40 | 0.63 | 442 | 441 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 616,685.59 | 3.18 |
| E05005-E05003 | 8 | 256 | 0.004 | 8.1 | 4,810.37 | 0.62 | 528 | 527 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| F03181-F03179 | 8 | 268 | 0.007 | 6.3 | 2,354.22 | 0.63 | 540 | 538 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 797,325.05 | 4.11 |
| C06083-C06081 | 8 | 243 | 0.033 | 1.2 | 377.67 | 0.63 | 595 | 587 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,674,671.63 | 8.64 |
| G15049-G15043 | 8 | 230 | 0.013 | 3.1 | 924.34 | 0.64 | 467 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,054,106.56 | 5.44 |
| G03001-G04061 | 8 | 254 | 0.004 | 9.3 | 10,398.91 | 0.62 | 491 | 490 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 579,123.18 | 2.99 |
| J13011-J13007 | 8 | 96 | 0.01 | 4 | 1,343.30 | 0.6 | 339 | 338 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 942,002.79 | 4.86 |
| E05135-E05133 | 8 | 260 | 0.008 | 4.6 | 2,045.94 | 0.63 | 521 | 519 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 809,498.65 | 4.17 |
| H11077-H11075 | 8 | 342 | 0.003 | 8.1 | 5,931.79 | 0.63 | 380 | 379 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 499,085.27 | 2.57 |
| J11105-J11103 | 8 | 208 | 0.005 | 6.4 | 4,671.57 | 0.62 | 375 | 374 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 639,964.88 | 3.30 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|-------------------------------------|-------------------------------------|----------------|-----------------------------|
| G07011-F07019 | 8 | 242 | 0.004 | 8.6 | 5,149.77 | 0.63 | 455 | 454 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 593,307.89 | 3.06 |
| B01010-C01040 | 8 | 115 | 0.009 | 4.1 | 2,476.14 | 0.63 | 670.41 | 669.51 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 858,602.98 | 4.43 |
| F07111-F07109 | 8 | 301 | 0.003 | 9.7 | 6,242.23 | 0.63 | 476 | 475 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 531,991.34 | 2.74 |
| E03015-E03013 | 8 | 353 | 0.01 | 3.9 | 1,681.98 | 0.64 | 554 | 550.46 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 924,276.87 | 4.77 |
| G04121-G04119 | 8 | 354 | 0.006 | 5.7 | 3,044.76 | 0.63 | 499 | 497 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 693,747.09 | 3.58 |
| E12071-E12069 | 8 | 120 | 0.004 | 7.6 | 5,084.35 | 0.63 | 414.5 | 414 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 595,774.88 | 3.07 |
| G04119-G04113 | 8 | 261 | 0.004 | 6.7 | 5,034.79 | 0.63 | 497 | 496 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 571,304.38 | 2.95 |
| F06087-F06085 | 8 | 231 | 0.006 | 6.8 | 3,614.17 | 0.63 | 498.87 | 497.59 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 687,047.56 | 3.54 |
| C02029-C02027 | 8 | 257 | 0.008 | 4.9 | 3,666.16 | 0.63 | 649 | 647 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 814,209.65 | 4.20 |
| G05117-G05115 | 8 | 278 | 0.004 | 7 | 5,377.69 | 0.63 | 492 | 491 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 553,560.90 | 2.85 |
| C06109-C06107 | 8 | 268 | 0.034 | 1.6 | 377.67 | 0.63 | 552 | 543 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,691,381.85 | 8.72 |
| H13027-H13025 | 8 | 221 | 0.001 | 13.4 | 13,125.59 | 0.63 | 372.9 | 372.6 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 340,057.45 | 1.75 |
| G05151-G05143 | 8 | 348 | 0.014 | 35.2 | 1,016.59 | 0.64 | 487 | 482 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,106,326.17 | 5.71 |
| F08093-F08091 | 8 | 270 | 0.007 | 4.8 | 2,600.93 | 0.64 | 451 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 794,366.50 | 4.10 |
| B02003-B02001 | 8 | 122 | 0.033 | 1.8 | 903.36 | 0.62 | 682.61 | 678.54 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,678,929.48 | 8.66 |
| D08103-D08101 | 8 | 275 | 0.004 | 8.2 | 5,084.82 | 0.63 | 469 | 468 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 556,572.14 | 2.87 |
| D04023-D04021 | 8 | 246 | 0.016 | 2.7 | 936.59 | 0.64 | 611 | 607 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,176,928.96 | 6.07 |
| D16069-D16067 | 8 | 313 | 0.003 | 8 | 6,871.21 | 0.63 | 493 | 492 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 521,693.76 | 2.69 |
| F15007-F15005 | 8 | 332 | 0.009 | 3.6 | 1,561.04 | 0.63 | 453 | 450 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 877,363.16 | 4.52 |
| G10077-G10075 | 8 | 256 | 0.004 | 6.2 | 3,727.82 | 0.64 | 393 | 392 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| D15059-D15057 | 8 | 160 | 0.004 | 6.4 | 4,848.44 | 0.64 | 493.7 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 610,487.58 | 3.15 |
| F18041-F18039 | 8 | 234 | 0.004 | 6.5 | 5,079.65 | 0.63 | 547 | 546 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 603,364.67 | 3.11 |
| E14129-E14125 | 8 | 339 | 0.009 | 4.5 | 2,040.66 | 0.64 | 435 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 868,257.58 | 4.48 |
| F16055-F16053 | 8 | 227 | 0.004 | 7.1 | 5,404.70 | 0.64 | 488 | 487 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 612,597.02 | 3.16 |
| G13127-G13125 | 8 | 355 | 0.009 | 3.4 | 1,386.51 | 0.64 | 384 | 380.9 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 862,490.81 | 4.45 |
| F15125-F15097 | 6 | 245 | 0.008 | 22.6 | 2,040.66 | 0.64 | 462 | 460 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 387,212.88 | 3.00 |
| D17037-D17033 | 8 | 236 | 0.04 | 2.6 | 340.11 | 0.62 | 537.33 | 527.95 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,840,065.26 | 9.49 |
| G08075-G08073 | 8 | 241 | 0.004 | 26.8 | 5,158.88 | 0.64 | 445 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 594,537.55 | 3.07 |
| F01017-F01015 | 8 | 448 | 0.003 | 0 | 0 | 0 | 528.92 | 527.52 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 515,956.18 | 2.66 |
| E16011-D16083 | 8 | 235 | 0.004 | 8.9 | 4,927.39 | 0.64 | 482 | 481 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 602,079.55 | 3.11 |
| H13041-H13039 | 6 | 100 | 0.003 | 9.7 | 4,243.35 | 0.64 | 372.9 | 372.6 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 234,735.34 | 1.82 |
| E15085-E15083 | 8 | 261 | 0.004 | 10.7 | 6,088.55 | 0.63 | 470 | 469 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 571,304.38 | 2.95 |
| G07007-F07015 | 8 | 242 | 0.004 | 10.1 | 5,161.73 | 0.64 | 453 | 452 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 593,307.89 | 3.06 |
| D03019-D03017 | 8 | 190 | 0.005 | 8.7 | 4,649.51 | 0.64 | 602 | 601 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 669,593.16 | 3.45 |
| C04017-D04017 | 8 | 242 | 0.017 | 2.7 | 936.59 | 0.64 | 621 | 617 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,186,615.78 | 6.12 |
| H04021-H04019 | 8 | 261 | 0.004 | 11.8 | 13,876.70 | 0.64 | 475 | 474 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 571,304.38 | 2.95 |
| E08095-E08093 | 8 | 248 | 0.004 | 7.6 | 5,626.56 | 0.62 | 463 | 462 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 586,086.84 | 3.02 |
| K14001-K13013 | 8 | 319 | 0.002 | 11.7 | 11,553.77 | 0.64 | 324 | 323.4 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 400,283.87 | 2.06 |
| K11009-K11007 | 8 | 259 | 0.008 | 4.2 | 2,628.92 | 0.64 | 371 | 369 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 811,059.89 | 4.18 |
| E06149-E06147 | 8 | 276 | 0.011 | 4.4 | 1,560.56 | 0.61 | 491 | 488 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 962,263.24 | 4.96 |
| F13107-F13105 | 8 | 256 | 0.008 | 6.5 | 2,500.08 | 0.64 | 417 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 815,798.35 | 4.21 |
| J12055-J12053 | 8 | 451 | 0.007 | 39.7 | 3,130.68 | 0.62 | 362 | 359 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 752,766.29 | 3.88 |
| E14079-E13083 | 8 | 245 | 0.008 | 4.5 | 2,377.07 | 0.64 | 435 | 433 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 833,911.12 | 4.30 |
| G03011-G03001 | 8 | 224 | 0.009 | 7.1 | 4,007.00 | 0.64 | 493 | 491 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 872,125.12 | 4.50 |
| G13035-G13033 | 8 | 225 | 0.009 | 3.2 | 1,386.51 | 0.64 | 395 | 393 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 870,184.91 | 4.49 |
| H09017-H09015 | 8 | 391 | 0.008 | 4.9 | 2,691.93 | 0.65 | 422 | 419 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 808,462.83 | 4.17 |
| G13081-G13079 | 8 | 377 | 0.008 | 16.6 | 1,617.60 | 0.64 | 385 | 382 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 823,337.24 | 4.25 |
| H11163-H11115 | 8 | 199 | 0.01 | 12.9 | 2,080.45 | 0.64 | 372 | 370 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 925,286.59 | 4.77 |
| E03139-E03137 | 8 | 212 | 0.005 | 6.3 | 4,463.16 | 0.63 | 568 | 567 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 633,898.72 | 3.27 |
| E12075-E12071 | 8 | 100 | 0.005 | 6.1 | 4,072.56 | 0.63 | 415 | 414.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 652,638.68 | 3.37 |
| E05083-E05081 | 8 | 252 | 0.004 | 24.4 | 5,574.16 | 0.63 | 530 | 529 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 581,416.75 | 3.00 |
| G09093-G09091 | 8 | 43 | 0.005 | 6.9 | 3,327.14 | 0.65 | 402 | 401.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 629,460.64 | 3.25 |
| E03059-E03057 | 8 | 537 | 0.004 | 7.4 | 6,121.22 | 0.64 | 574 | 572 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 563,268.76 | 2.91 |
| J11131-J11125 | 8 | 337 | 0.006 | 8.3 | 3,819.24 | 0.64 | 378.92 | 377 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 696,664.16 | 3.59 |
| G09175-G09163 | 6 | 100 | 0.02 | 3.9 | 726.21 | 0.64 | 419 | 417 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 606,084.03 | 4.69 |
| E09065-E09063 | 8 | 290 | 0.003 | 6.8 | 4,616.91 | 0.64 | 422 | 421 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 541,986.92 | 2.80 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| E07111-E07109 | 8 | 329 | 0.003 | 8.1 | 7,166.99 | 0.64 | 484 | 482.9 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 533,686.48 | 2.75 |
| E18097-E18095 | 8 | 188 | 0.011 | 3.5 | 1,698.68 | 0.65 | 538 | 536 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 951,971.35 | 4.91 |
| F13133-F13131 | 8 | 250 | 0.004 | 7.2 | 5,983.55 | 0.64 | 409 | 408 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 583,737.78 | 3.01 |
| D17075-D17073 | 12 | 266 | 0.001 | 19.4 | 68,411.90 | 0.63 | 512.5 | 512.25 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 834,245.14 | 1.61 |
| F09055-F09053 | 8 | 298 | 0.01 | 7 | 1,395.30 | 0.64 | 422 | 419 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 926,062.51 | 4.78 |
| G12055-G12019 | 8 | 161 | 0.004 | 17 | 4,672.14 | 0.64 | 381 | 380.41 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 558,728.56 | 2.88 |
| E17055-E17046 | 8 | 186 | 0.003 | 8 | 7,099.97 | 0.64 | 521.98 | 521.33 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 545,617.15 | 2.81 |
| D14025-D14023 | 8 | 188 | 0.041 | 1.5 | 340.11 | 0.64 | 530.8 | 523 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,879,992.79 | 9.70 |
| D13005-D13003 | 8 | 216 | 0.005 | 11.8 | 5,487.73 | 0.65 | 424 | 423 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 628,001.86 | 3.24 |
| G07031-G07029 | 8 | 187 | 0.016 | 5 | 1,040.37 | 0.65 | 452 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,169,035.32 | 6.03 |
| G08047-G08045 | 8 | 318 | 0.006 | 4.9 | 2,298.83 | 0.65 | 437 | 435 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 731,963.20 | 3.78 |
| D05040-D05039 | 10 | 331 | 0.009 | 4.2 | 2,248.61 | 0.65 | 558 | 555 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,593,166.40 | 4.93 |
| E1145-E11109 | 8 | 145 | 0.007 | 41.8 | 3,056.49 | 0.64 | 415 | 414 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 766,485.26 | 3.95 |
| D18013-D18011 | 8 | 161 | 0.005 | 8.4 | 8,993.34 | 0.65 | 520.93 | 520.19 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 625,735.41 | 3.23 |
| F10009-F10007 | 8 | 252 | 0.004 | 6.6 | 5,028.85 | 0.65 | 415 | 414 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 581,416.75 | 3.00 |
| E02075-E02060 | 8 | 394.9 | 0.005 | 9.4 | 5,559.18 | 0.66 | 559.76 | 557.91 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 632,449.07 | 3.26 |
| F07073-F07071 | 8 | 240 | 0.004 | 7.6 | 5,636.44 | 0.63 | 469 | 468 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 595,774.88 | 3.07 |
| H11069-H11067 | 8 | 359 | 0.004 | 6.8 | 4,011.05 | 0.65 | 387 | 385.6 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,374.29 | 2.97 |
| E07103-E07101 | 8 | 245 | 0.004 | 7.5 | 5,658.27 | 0.65 | 483 | 482 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 589,664.20 | 3.04 |
| B01086-B01084 | 8 | 244 | 0.046 | 1.8 | 312.2 | 0.65 | 702.85 | 691.59 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,982,723.20 | 10.23 |
| E18111-E18109 | 8 | 99 | 0.01 | 3.5 | 2,031.36 | 0.65 | 540 | 539 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 927,620.23 | 4.78 |
| H05035-H05027 | 8 | 253 | 0.004 | 10.9 | 12,581.04 | 0.64 | 464 | 463 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 580,266.56 | 2.99 |
| G08039-G08037 | 8 | 142 | 0.014 | 3.2 | 919.53 | 0.65 | 439 | 437 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,095,364.43 | 5.65 |
| F04039-F04037 | 8 | 337 | 0.015 | 3 | 1,022.97 | 0.65 | 518 | 513 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,124,236.96 | 5.80 |
| G13023-G13021 | 8 | 87 | 0.023 | 2.1 | 540.44 | 0.66 | 402 | 400 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,399,404.22 | 7.22 |
| C03015-C03013 | 12 | 295 | 0.031 | 1.2 | 623.29 | 0.59 | 669 | 660 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 4,753,075.85 | 9.19 |
| F04081-F04079 | 8 | 66 | 0.023 | 3.9 | 681.98 | 0.66 | 524.6 | 523.08 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,400,675.83 | 7.22 |
| L14031-L14029 | 8 | 207 | 0.005 | 5.9 | 4,269.40 | 0.67 | 316 | 315 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 641,508.82 | 3.31 |
| C06039-C06035 | 8 | 249 | 0.004 | 8.2 | 4,920.11 | 0.64 | 542 | 541 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 584,908.77 | 3.02 |
| F08075-F08073 | 8 | 248 | 0.003 | 8.6 | 6,418.08 | 0.65 | 436.44 | 435.69 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 507,566.09 | 2.62 |
| J11103-J11093 | 8 | 216 | 0.005 | 7.1 | 5,695.39 | 0.65 | 374 | 373 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 628,001.86 | 3.24 |
| G09121-G09119 | 8 | 416 | 0.002 | 14.7 | 10,758.07 | 0.65 | 412 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 452,523.50 | 2.33 |
| F03017-G03057 | 8 | 356 | 0.011 | 3.9 | 1,363.96 | 0.62 | 515 | 511 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 978,346.74 | 5.05 |
| C01032-C01030 | 8 | 277.2 | 0.014 | 3.6 | 2,412.65 | 0.66 | 659.8 | 655.93 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,088,982.48 | 5.62 |
| F05131-F05129 | 8 | 265 | 0.004 | 7.4 | 5,701.77 | 0.65 | 500 | 499 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 566,976.25 | 2.92 |
| E07073-E07071 | 8 | 283 | 0.007 | 4.4 | 2,460.05 | 0.63 | 491 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 775,906.85 | 4.00 |
| J11123-J11121 | 8 | 146 | 0.014 | 3.7 | 1,531.46 | 0.67 | 382 | 380 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,080,255.23 | 5.57 |
| E14037-E14035 | 8 | 243 | 0.008 | 5.7 | 2,709.32 | 0.65 | 439 | 437 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 837,335.82 | 4.32 |
| F02087-F02086 | 8 | 270 | 0.006 | 5 | 2,766.57 | 0.66 | 542.6 | 541.23 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 740,215.69 | 3.82 |
| D07029-D07015 | 8 | 108 | 0.019 | 3.4 | 751.98 | 0.61 | 499 | 497 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,256,003.72 | 6.48 |
| F06003-F06001 | 8 | 247 | 0.004 | 7.5 | 6,562.80 | 0.65 | 470 | 469 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,272.05 | 3.03 |
| G13021-G13019 | 8 | 245 | 0.01 | 3.1 | 1,240.75 | 0.66 | 400 | 397.46 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 939,770.10 | 4.85 |
| C01048-C01046 | 8 | 300 | 0.023 | 2.1 | 931.33 | 0.66 | 654.93 | 647.95 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,407,845.16 | 7.26 |
| E06119-E06117 | 8 | 213 | 0.009 | 5.6 | 2,080.74 | 0.65 | 501 | 499 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 894,361.31 | 4.61 |
| D18017-D18015 | 8 | 278 | 0.004 | 8.3 | 8,681.31 | 0.65 | 523.5 | 522.27 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 613,928.74 | 3.17 |
| L13045-L13043 | 8 | 101 | 0.002 | 9.6 | 8,765.26 | 0.65 | 333.75 | 333.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 459,194.97 | 2.37 |
| H11099-H11097 | 8 | 306 | 0.003 | 7.7 | 5,511.60 | 0.65 | 379 | 378 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 527,627.10 | 2.72 |
| E06125-E06121 | 8 | 212 | 0.009 | 4.4 | 2,080.74 | 0.66 | 506 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 896,468.17 | 4.62 |
| E08085-E08083 | 8 | 247 | 0.004 | 7.9 | 6,137.41 | 0.65 | 460 | 459 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,272.05 | 3.03 |
| D12029-D12027 | 8 | 303 | 0.007 | 12.9 | 3,251.28 | 0.66 | 436 | 434 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 749,862.25 | 3.87 |
| C02045-C02043 | 8 | 140 | 0.006 | 7.2 | 6,493.56 | 0.66 | 636.9 | 636 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 740,022.70 | 3.82 |
| H13033-H13031 | 8 | 193 | 0.002 | 12.2 | 11,268.95 | 0.65 | 373.8 | 373.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 363,889.71 | 1.88 |
| E05091-E05089 | 8 | 254 | 0.004 | 24.4 | 6,129.12 | 0.65 | 533 | 532 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 579,123.18 | 2.99 |
| E19003-E19001 | 8 | 300 | 0.003 | 8.2 | 7,444.69 | 0.65 | 561.16 | 560.11 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 546,036.70 | 2.82 |
| E14083-E14089 | 8 | 356 | 0.011 | 9.2 | 1,699.60 | 0.66 | 438 | 434.01 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 977,123.05 | 5.04 |
| K10009-J10003 | 12 | 258 | 0.003 | 18.2 | 43,443.23 | 0.63 | 376.85 | 376 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,561,939.14 | 3.02 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| F04127-F04123 | 8 | 253 | 0.003 | 9.3 | 8,442.07 | 0.65 | 516.66 | 515.99 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 474,968.65 | 2.45 |
| C03013-C03011 | 12 | 286 | 0.017 | 1.7 | 1,245.15 | 0.66 | 660 | 655 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,598,044.11 | 6.96 |
| G07087-G07085 | 8 | 310 | 0.003 | 9.8 | 8,258.83 | 0.65 | 454 | 453 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 524,212.00 | 2.70 |
| E14109-E14107 | 8 | 328 | 0.006 | 5.8 | 3,732.02 | 0.65 | 444 | 442 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 720,718.85 | 3.72 |
| F09101-F09099 | 8 | 296 | 0.01 | 4.4 | 1,379.30 | 0.66 | 430 | 427 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 929,185.83 | 4.79 |
| E03007-E03003 | 8 | 257 | 0.004 | 7.9 | 6,646.44 | 0.66 | 548 | 547 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 575,733.16 | 2.97 |
| F03055-F03021 | 8 | 356 | 0.006 | 9.6 | 4,003.94 | 0.66 | 515 | 513 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 691,795.62 | 3.57 |
| E14035-F14069 | 8 | 234 | 0.004 | 7.4 | 6,082.25 | 0.64 | 437 | 436 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 603,364.67 | 3.11 |
| G13135-H13089 | 8 | 272 | 0.011 | 7.8 | 1,155.43 | 0.66 | 380 | 377 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 969,312.88 | 5.00 |
| H13031-H13029 | 8 | 192 | 0.002 | 12.3 | 11,816.22 | 0.66 | 373.5 | 373.2 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 364,836.11 | 1.88 |
| F06053-F06051 | 8 | 314 | 0.01 | 4.4 | 2,080.74 | 0.66 | 485 | 482 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 902,160.09 | 4.65 |
| D13029-D13023 | 8 | 348 | 0.006 | 9.9 | 4,023.77 | 0.66 | 428 | 426 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 699,702.11 | 3.61 |
| G13019-G13017 | 8 | 86 | 0.008 | 4.4 | 1,902.97 | 0.67 | 397.46 | 396.77 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 826,728.91 | 4.26 |
| J11147-J11085 | 8 | 360 | 0.003 | 14.5 | 11,326.30 | 0.66 | 369 | 368 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 486,448.15 | 2.51 |
| D06041-D06039 | 8 | 353 | 0.006 | 5.5 | 3,662.00 | 0.66 | 569 | 567 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 694,729.04 | 3.58 |
| G07025-G07023 | 8 | 361 | 0.007 | 7.6 | 3,121.11 | 0.67 | 450 | 447.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 768,076.03 | 3.96 |
| E11093-E11091 | 8 | 238 | 0.004 | 7.6 | 6,415.82 | 0.65 | 413 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 598,272.90 | 3.09 |
| E18007-E18005 | 12 | 297 | 0.002 | 10.6 | 26,392.19 | 0.66 | 518.5 | 518 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,116,532.26 | 2.16 |
| E04129-E04127 | 8 | 342 | 0.012 | 4.2 | 1,363.96 | 0.63 | 535 | 531 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 998,170.54 | 5.15 |
| C07039-C07037 | 8 | 170 | 0.018 | 2.1 | 846.32 | 0.67 | 527 | 524 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,226,094.58 | 6.32 |
| F04175-F04173 | 8 | 206 | 0.005 | 9 | 4,074.93 | 0.67 | 534 | 533 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 643,064.00 | 3.32 |
| D02111-D02109 | 8 | 150 | 0.015 | 0 | 0 | 0 | 594.06 | 591.82 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,127,888.55 | 5.82 |
| F04179-F04177 | 8 | 205 | 0.005 | 8.2 | 4,073.13 | 0.67 | 536 | 535 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 644,630.54 | 3.32 |
| C06107-C06105 | 8 | 300 | 0.017 | 2.7 | 848.64 | 0.67 | 543 | 538 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,191,549.76 | 6.15 |
| D11067-E11053 | 8 | 297 | 0.015 | 3.4 | 1,338.75 | 0.66 | 432 | 427.59 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,124,679.75 | 5.80 |
| C01028-C01026 | 8 | 293.1 | 0.014 | 3.7 | 2,706.35 | 0.67 | 652.11 | 647.92 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,096,267.64 | 5.65 |
| E06145-F06103 | 8 | 365 | 0.003 | 10 | 9,778.36 | 0.66 | 486 | 485 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 483,104.82 | 2.49 |
| G12099-H12061 | 8 | 331 | 0.006 | 10.5 | 2,667.12 | 0.66 | 372 | 370 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 717,445.32 | 3.70 |
| E03251-F03177 | 8 | 204 | 0.005 | 7.5 | 4,074.30 | 0.67 | 538 | 537 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 646,208.59 | 3.33 |
| L13047-L13045 | 8 | 104 | 0.002 | 9.7 | 8,916.49 | 0.65 | 334 | 333.75 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 452,523.50 | 2.33 |
| E06037-E06035 | 8 | 234 | 0.004 | 7.6 | 4,920.11 | 0.66 | 495 | 494 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 603,364.67 | 3.11 |
| F13097-F13095 | 8 | 287 | 0.007 | 5.1 | 3,360.86 | 0.68 | 414 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 770,480.86 | 3.97 |
| D14119-D14117 | 8 | 194 | 0.005 | 8.1 | 4,743.32 | 0.65 | 472 | 471 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 662,654.18 | 3.42 |
| E07147-E07145 | 8 | 337 | 0.003 | 9.6 | 9,233.31 | 0.66 | 470 | 469 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 502,774.05 | 2.59 |
| G13001-G12033 | 8 | 331 | 0.006 | 4.7 | 2,684.38 | 0.66 | 388 | 386 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 717,445.32 | 3.70 |
| E06135-E06111 | 8 | 204 | 0.005 | 9.2 | 5,146.59 | 0.67 | 495 | 494 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 646,208.59 | 3.33 |
| H06023-H06021 | 8 | 328 | 0.007 | 6.1 | 2,985.29 | 0.67 | 444.4 | 442.2 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 755,896.31 | 3.90 |
| E17003-E18049 | 8 | 265 | 0.004 | 8 | 6,983.88 | 0.66 | 524 | 523 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 566,976.25 | 2.92 |
| F13109-F13105 | 8 | 241 | 0.002 | 12.2 | 13,399.50 | 0.67 | 415.5 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 420,401.53 | 2.17 |
| E12133-E12131 | 8 | 217 | 0.005 | 7.3 | 6,076.87 | 0.67 | 408 | 407 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 626,553.18 | 3.23 |
| L13027-L13025 | 8 | 153 | 0.003 | 8.6 | 8,044.19 | 0.66 | 330 | 329.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 527,627.10 | 2.72 |
| E03005-E03003 | 8 | 135 | 0.007 | 6.3 | 2,803.30 | 0.65 | 548 | 547 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 794,366.50 | 4.10 |
| E02080-E02078 | 8 | 329 | 0.005 | 6.1 | 4,315.75 | 0.66 | 563 | 561.23 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 675,954.51 | 3.49 |
| E04151-E04147 | 8 | 268 | 0.011 | 4.6 | 1,680.65 | 0.67 | 539 | 536 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 976,519.76 | 5.04 |
| E07093-E07089 | 8 | 269 | 0.004 | 11.1 | 6,088.38 | 0.67 | 473 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 562,745.03 | 2.90 |
| H08015-H08005 | 8 | 333 | 0.001 | 18.8 | 22,774.55 | 0.66 | 427.9 | 427.44 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 343,039.88 | 1.77 |
| D16045-D16043 | 8 | 140 | 0.004 | 7.9 | 7,037.71 | 0.67 | 495 | 494.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 551,580.36 | 2.84 |
| G12043-G12041 | 8 | 226 | 0.009 | 6.4 | 1,992.22 | 0.67 | 393 | 391 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 868,257.58 | 4.48 |
| E07137-E07135 | 8 | 247 | 0.004 | 7.5 | 6,640.89 | 0.67 | 467 | 466 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,272.05 | 3.03 |
| G13065-G13063 | 8 | 198 | 0.01 | 3.6 | 1,386.51 | 0.67 | 392 | 390 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 927,620.23 | 4.78 |
| D02075-D02073 | 8 | 280 | 0.011 | 4.2 | 1,873.17 | 0.67 | 621 | 618 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 955,365.20 | 4.93 |
| J14083-J14081 | 8 | 98 | 0.005 | 5.6 | 3,858.91 | 0.68 | 340 | 339.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 659,264.62 | 3.40 |
| H11029-H11027 | 8 | 192 | 0.005 | 5 | 3,174.03 | 0.66 | 372 | 371 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 666,096.56 | 3.44 |
| G07061-G07059 | 8 | 350 | 0.003 | 9.4 | 9,014.37 | 0.67 | 457 | 456 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 493,348.47 | 2.54 |
| G10045-G10043 | 8 | 285 | 0.004 | 7.6 | 5,253.65 | 0.67 | 403 | 402 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 546,720.52 | 2.82 |
| C01034-C01032 | 8 | 184 | 0.015 | 3.5 | 2,417.63 | 0.68 | 662.49 | 659.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,112,956.23 | 5.74 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| H11155-H11153 | 8 | 284 | 0.007 | 4.6 | 2,312.49 | 0.68 | 385 | 383 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 774,539.61 | 3.99 |
| H11147-H11145 | 8 | 200 | 0.005 | 6.2 | 3,675.29 | 0.68 | 383 | 382 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 652,638.68 | 3.37 |
| F14125-F14105 | 6 | 220 | 0.014 | 24.5 | 1,360.44 | 0.68 | 437 | 434 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 500,457.42 | 3.87 |
| E18041-E18039 | 8 | 276 | 0.007 | 5 | 3,389.93 | 0.66 | 535 | 533 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 785,684.64 | 4.05 |
| E09063-E09061 | 8 | 267 | 0.004 | 8.8 | 5,390.84 | 0.67 | 421 | 420 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 564,848.76 | 2.91 |
| P-5580 | 10 | 0 | 0.003 | 15.4 | 36,682.98 | 0.67 | 396.62 | 395.85 | | 0.5 | 717,378.86 | 2.22 |
| J14079-J14077 | 8 | 184 | 0.005 | 7.7 | 3,718.86 | 0.66 | 339 | 338 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 680,422.86 | 3.51 |
| F04045-F04043 | 8 | 326 | 0.012 | 4.3 | 1,363.96 | 0.64 | 511 | 507 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,022,372.13 | 5.27 |
| H11079-H11077 | 8 | 330 | 0.006 | 6.3 | 3,181.90 | 0.67 | 382 | 380 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 718,531.54 | 3.71 |
| D08097-D08001 | 8 | 241 | 0.008 | 40.5 | 2,263.75 | 0.68 | 453 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 840,803.06 | 4.34 |
| G08077-G08075 | 8 | 270 | 0.007 | 5.6 | 3,121.11 | 0.67 | 447 | 445 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 794,366.50 | 4.10 |
| G08089-G08087 | 8 | 270 | 0.007 | 5.1 | 3,121.11 | 0.67 | 446 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 794,366.50 | 4.10 |
| D03125-E03117 | 8 | 346 | 0.009 | 4.5 | 2,786.98 | 0.68 | 584 | 581 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 859,429.75 | 4.43 |
| F04061-F04059 | 8 | 326 | 0.006 | 6 | 3,388.05 | 0.67 | 506 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 722,926.27 | 3.73 |
| F10039-F10001 | 10 | 256 | 0.004 | 39.1 | 8,217.11 | 0.66 | 409 | 408 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,045,910.51 | 3.24 |
| C06067-C06065 | 8 | 307 | 0.026 | 1.7 | 566.12 | 0.67 | 575 | 567 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,489,922.27 | 7.68 |
| K14087-K14085 | 8 | 328 | 0.006 | 5.5 | 3,287.56 | 0.67 | 323 | 321 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 720,718.85 | 3.72 |
| D04073-D04071 | 8 | 223 | 0.031 | 2.4 | 624.39 | 0.67 | 581 | 574 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,635,250.90 | 8.43 |
| G13067-G12063 | 8 | 331 | 0.006 | 5.2 | 2,908.55 | 0.68 | 387 | 385 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 717,445.32 | 3.70 |
| F04107-F04105 | 8 | 281 | 0.007 | 5.4 | 3,033.87 | 0.69 | 532 | 530 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 778,663.19 | 4.02 |
| E12097-E12095 | 8 | 326 | 0.006 | 19.9 | 4,073.36 | 0.68 | 407 | 405 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 722,926.27 | 3.73 |
| F06013-F06011 | 8 | 170 | 0.009 | 4.7 | 2,600.93 | 0.68 | 475.5 | 474 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 866,979.79 | 4.47 |
| G08009-G08007 | 8 | 345 | 0.003 | 14.3 | 7,343.06 | 0.67 | 433 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 496,910.60 | 2.56 |
| K11011-K11005 | 18 | 322 | 0 | 31.2 | 354,174.08 | 0.66 | 363.5 | 363.36 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 1,672,928.08 | 1.44 |
| E01033-E01031 | 8 | 329 | 0.003 | 0 | 0 | 0 | 593.17 | 592.14 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 516,426.44 | 2.66 |
| F12131-F12129 | 8 | 235 | 0.004 | 7.7 | 7,089.04 | 0.68 | 409 | 408 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 602,079.55 | 3.11 |
| F02078-F02077 | 8 | 296 | 0.006 | 7 | 3,784.89 | 0.67 | 538.32 | 536.65 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 686,345.15 | 3.54 |
| H13061-H13059 | 8 | 264 | 0.008 | 6.5 | 2,236.04 | 0.67 | 371 | 369 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 803,342.68 | 4.14 |
| E05169-E05149 | 8 | 345 | 0.014 | 5.7 | 1,363.96 | 0.7 | 521 | 516 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,111,125.88 | 5.73 |
| F04057-F04055 | 8 | 316 | 0.013 | 4.3 | 1,363.96 | 0.65 | 513 | 509 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,038,422.91 | 5.36 |
| D07139-D07137 | 8 | 328 | 0.003 | 9.5 | 8,001.58 | 0.68 | 496 | 495 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 509,625.19 | 2.63 |
| C07101-C07093 | 8 | 381 | 0.026 | 6.5 | 566.51 | 0.68 | 535 | 525 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,495,289.62 | 7.71 |
| J11149-J11147 | 8 | 308 | 0.003 | 10 | 9,928.28 | 0.68 | 370 | 369 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 525,911.24 | 2.71 |
| F13071-F13069 | 8 | 304 | 0.003 | 8.7 | 8,305.34 | 0.68 | 412 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 529,359.87 | 2.73 |
| D06051-D06049 | 8 | 164 | 0.006 | 6.1 | 3,690.08 | 0.69 | 560 | 559 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 720,718.85 | 3.72 |
| D18015-D18013 | 8 | 265 | 0.005 | 8.3 | 9,006.70 | 0.68 | 522.27 | 520.93 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 656,322.46 | 3.38 |
| E07101-E07099 | 8 | 263 | 0.004 | 8.5 | 7,667.46 | 0.68 | 482 | 481 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 569,127.97 | 2.94 |
| D05081-D05079 | 10 | 345 | 0.003 | 8 | 11,808.97 | 0.68 | 588 | 587 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 900,958.86 | 2.79 |
| F04027-F04025 | 12 | 351 | 0.009 | 2.8 | 3,040.62 | 0.69 | 515 | 512 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,515,773.67 | 4.87 |
| E03181-E03179 | 8 | 81 | 0.012 | 3.4 | 2,177.82 | 0.65 | 559 | 558 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,025,522.75 | 5.29 |
| C01024-C01022 | 8 | 178 | 0.016 | 3.7 | 2,699.76 | 0.68 | 645.2 | 642.35 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,167,885.42 | 6.02 |
| F04067-F04065 | 8 | 305 | 0.007 | 5.5 | 3,376.58 | 0.68 | 504 | 502 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 747,399.64 | 3.85 |
| G09115-G09105 | 8 | 225 | 0.004 | 6.8 | 4,137.90 | 0.68 | 404 | 403 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 615,313.65 | 3.17 |
| G15033-G15031 | 8 | 258 | 0.016 | 2.7 | 924.34 | 0.69 | 434 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,149,232.63 | 5.93 |
| H13053-H13051 | 8 | 264 | 0.008 | 6.6 | 2,242.02 | 0.68 | 368 | 366 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 803,342.68 | 4.14 |
| F14129-F14127 | 6 | 171 | 0.018 | 3.6 | 1,020.33 | 0.69 | 430 | 427 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 567,649.70 | 4.39 |
| F03051-F03049 | 8 | 363 | 0.006 | 6.9 | 4,051.56 | 0.67 | 519 | 517 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 685,092.94 | 3.53 |
| G09081-G09079 | 8 | 88 | 0.011 | 4 | 1,379.30 | 0.69 | 404 | 403 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 983,889.83 | 5.07 |
| G07009-G07007 | 8 | 257 | 0.008 | 5.6 | 3,121.11 | 0.68 | 455 | 453 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 814,209.65 | 4.20 |
| D03093-D03091 | 8 | 292 | 0.021 | 2.8 | 935.51 | 0.64 | 604 | 598 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,323,037.05 | 6.82 |
| E03179-E03177 | 8 | 79 | 0.013 | 3.7 | 2,172.07 | 0.65 | 558 | 557 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,038,422.91 | 5.36 |
| H11075-J11033 | 8 | 320 | 0.003 | 8.8 | 7,752.00 | 0.68 | 379 | 378 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 515,956.18 | 2.66 |
| E16081-E16079 | 8 | 210 | 0.002 | 12.7 | 14,570.56 | 0.68 | 500 | 499.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 450,363.48 | 2.32 |
| D10139-D10137 | 8 | 356 | 0.006 | 6 | 3,102.72 | 0.68 | 434 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 691,795.62 | 3.57 |
| F08073-G08025 | 8 | 250 | 0.003 | 9.4 | 8,702.29 | 0.68 | 435.69 | 435 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 484,889.02 | 2.50 |
| K08015-K09013 | 12 | 301 | 0.002 | 12.5 | 44,134.63 | 0.67 | 389.78 | 389.08 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,312,291.36 | 2.54 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| E18049-E18047 | 8 | 256 | 0.004 | 8.2 | 7,976.38 | 0.68 | 523 | 522 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| F03037-F03035 | 8 | 361 | 0.006 | 6.3 | 4,052.44 | 0.68 | 525 | 523 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 686,988.08 | 3.54 |
| F08067-F08065 | 8 | 225 | 0.004 | 6.7 | 4,590.63 | 0.68 | 441 | 440 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 615,313.65 | 3.17 |
| F12021-F12019 | 8 | 196 | 0.005 | 6.3 | 4,321.74 | 0.69 | 399 | 398 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 659,264.62 | 3.40 |
| G10055-G10039 | 8 | 222 | 0.005 | 11.9 | 4,137.90 | 0.69 | 402 | 401 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 619,457.22 | 3.19 |
| F16053-F16051 | 8 | 227 | 0.004 | 7.8 | 7,088.53 | 0.68 | 487 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 612,597.02 | 3.16 |
| D12005-D12003 | 8 | 187 | 0.009 | 4.8 | 2,734.58 | 0.69 | 425.7 | 424 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 880,017.82 | 4.54 |
| G14019-G14017 | 8 | 369 | 0.011 | 3.2 | 1,562.56 | 0.69 | 430 | 426 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 960,958.47 | 4.96 |
| F03029-F03027 | 8 | 363 | 0.006 | 6.3 | 4,061.86 | 0.68 | 522 | 520 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 685,092.94 | 3.53 |
| D02045-D02043 | 8 | 252 | 0.008 | 4.7 | 2,809.76 | 0.67 | 608 | 606 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 822,247.45 | 4.24 |
| E18039-E18037 | 8 | 143 | 0.007 | 5.2 | 4,055.65 | 0.68 | 533 | 532 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 771,826.68 | 3.98 |
| C01026-C01024 | 8 | 170 | 0.016 | 3.6 | 2,702.93 | 0.68 | 647.92 | 645.2 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,157,308.67 | 5.97 |
| J11157-J11155 | 8 | 265 | 0.008 | 5 | 3,407.26 | 0.7 | 377 | 375 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 801,825.51 | 4.14 |
| G08115-H08011 | 12 | 290 | 0.001 | 14.5 | 43,002.18 | 0.69 | 434 | 433.65 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 945,365.00 | 1.83 |
| F07163-F07161 | 8 | 131 | 0.015 | 2.9 | 1,560.56 | 0.71 | 467 | 465 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,140,426.12 | 5.88 |
| J07137-J07133 | 8 | 301 | 0.004 | 7.1 | 6,059.42 | 0.69 | 421.39 | 420.09 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 606,563.45 | 3.13 |
| E05067-E05065 | 8 | 298 | 0.003 | 23.7 | 8,431.20 | 0.69 | 524 | 523 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 534,662.44 | 2.76 |
| E03011-E03007 | 8 | 261 | 0.008 | 6.1 | 3,334.75 | 0.67 | 550 | 548 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 807,946.40 | 4.17 |
| D18049-D18047 | 12 | 300 | 0.008 | 4.8 | 8,644.11 | 0.69 | 529.31 | 526.96 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,408,450.93 | 4.66 |
| D07147-D07145 | 8 | 222 | 0.009 | 11.4 | 2,611.87 | 0.7 | 505 | 503 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 876,044.80 | 4.52 |
| G05039-G05005 | 8 | 103 | 0.01 | 9.3 | 5,522.20 | 0.69 | 472 | 471 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 909,429.83 | 4.69 |
| H08017-H08015 | 8 | 62 | 0.002 | 16.9 | 21,414.11 | 0.69 | 428 | 427.9 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 370,673.86 | 1.91 |
| E13081-E13079 | 8 | 356 | 0.006 | 11.5 | 5,074.14 | 0.68 | 431 | 429 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 691,795.62 | 3.57 |
| E18043-E18041 | 8 | 261 | 0.011 | 4.1 | 2,038.29 | 0.7 | 538 | 535 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 989,528.21 | 5.10 |
| G05133-G05127 | 8 | 198 | 0.01 | 4.8 | 2,038.44 | 0.69 | 491 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 927,620.23 | 4.78 |
| E18031-E18029 | 8 | 201 | 0.02 | 3.6 | 1,020.33 | 0.65 | 540 | 536 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,302,026.35 | 6.72 |
| E06147-E06145 | 8 | 356 | 0.006 | 7.9 | 4,658.11 | 0.68 | 488 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 691,795.62 | 3.57 |
| H11145-H11143 | 8 | 256 | 0.004 | 7.1 | 5,509.48 | 0.69 | 382 | 381 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| G04011-G04009 | 8 | 250 | 0.008 | 7.9 | 6,907.96 | 0.69 | 481 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 825,529.89 | 4.26 |
| E03071-E04103 | 8 | 334 | 0.009 | 5.4 | 2,803.30 | 0.7 | 559 | 556 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 874,732.38 | 4.51 |
| D08077-D08075 | 8 | 306 | 0.016 | 2.4 | 1,018.97 | 0.7 | 494 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,179,810.06 | 6.08 |
| E06127-E06113 | 8 | 210 | 0.005 | 9.4 | 6,140.84 | 0.68 | 496 | 495 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 636,910.14 | 3.28 |
| E18107-E18105 | 8 | 220 | 0.009 | 4.3 | 3,047.41 | 0.7 | 538 | 536 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 880,017.82 | 4.54 |
| F05147-F05145 | 8 | 194 | 0.01 | 5.2 | 2,033.92 | 0.69 | 504 | 502 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 937,134.53 | 4.83 |
| F14069-F14067 | 8 | 228 | 0.004 | 10.7 | 7,393.86 | 0.69 | 436 | 435 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 611,252.13 | 3.15 |
| E18055-E18051 | 8 | 368 | 0.004 | 8.3 | 8,718.14 | 0.69 | 529.8 | 528.15 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 618,024.75 | 3.19 |
| E07145-F07149 | 8 | 315 | 0.003 | 9.9 | 10,641.39 | 0.69 | 469 | 468 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 520,034.95 | 2.68 |
| F04189-F04145 | 8 | 24 | 0.042 | 14.2 | 340.99 | 0.68 | 521 | 520 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,884,005.59 | 9.72 |
| G13025-G13017 | 8 | 344 | 0.015 | 3.8 | 1,097.06 | 0.72 | 402 | 396.77 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,138,044.99 | 5.87 |
| E13093-E13075 | 8 | 185 | 0.002 | 20.8 | 20,582.16 | 0.69 | 426.32 | 426 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 383,863.60 | 1.98 |
| E02066-E02065 | 8 | 135 | 0.007 | 4.8 | 3,056.29 | 0.71 | 562.4 | 561.39 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 798,328.46 | 4.12 |
| E04165-F04179 | 8 | 200 | 0.01 | 4.6 | 2,045.94 | 0.7 | 538 | 536 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 922,970.47 | 4.76 |
| F04121-F04119 | 8 | 295 | 0.01 | 7.3 | 2,045.94 | 0.7 | 515.65 | 512.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 922,970.47 | 4.76 |
| G05119-G05117 | 8 | 253 | 0.008 | 5.6 | 2,709.35 | 0.68 | 494 | 492 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 820,620.84 | 4.23 |
| D02017-D02015 | 8 | 294 | 0.007 | 13.7 | 3,689.24 | 0.69 | 600 | 598 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 761,253.22 | 3.93 |
| E04119-F04107 | 8 | 214 | 0.009 | 4.2 | 2,373.26 | 0.7 | 534 | 532 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 892,269.23 | 4.60 |
| E18099-E18097 | 8 | 49 | 0.02 | 2.7 | 1,019.30 | 0.66 | 539 | 538 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,318,529.25 | 6.80 |
| F14097-F14095 | 8 | 221 | 0.009 | 4.5 | 3,051.16 | 0.7 | 442 | 440 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 878,024.57 | 4.53 |
| D05025-D05019 | 8 | 306 | 0.007 | 5.7 | 3,649.91 | 0.69 | 585 | 583 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 746,177.40 | 3.85 |
| F03065-F04015 | 8 | 290 | 0.007 | 6 | 3,379.56 | 0.69 | 521 | 519 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 766,485.26 | 3.95 |
| F16005-F16003 | 8 | 238 | 0.004 | 7.7 | 7,118.49 | 0.7 | 484 | 483 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 598,272.90 | 3.09 |
| F03073-F04019 | 8 | 290 | 0.007 | 6 | 3,379.84 | 0.69 | 515 | 513 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 766,485.26 | 3.95 |
| E05153-E05151 | 8 | 74 | 0.014 | 5.6 | 1,363.96 | 0.69 | 519 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,072,931.38 | 5.53 |
| E05159-E05157 | 8 | 74 | 0.014 | 4.9 | 1,363.96 | 0.69 | 521 | 520 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,072,931.38 | 5.53 |
| H05027-H05025 | 8 | 250 | 0.004 | 14.7 | 16,517.45 | 0.69 | 463 | 462 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 583,737.78 | 3.01 |
| E07149-E07147 | 8 | 266 | 0.011 | 6.4 | 2,080.74 | 0.7 | 473 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 980,184.02 | 5.06 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| C01022-C01020 | 8 | 101 | 0.016 | 4.5 | 2,991.57 | 0.71 | 642.35 | 640.71 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,159,025.69 | 5.98 |
| E11091-E11079 | 8 | 230 | 0.004 | 9.1 | 7,756.52 | 0.7 | 412 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 608,588.71 | 3.14 |
| H11093-H11091 | 8 | 310 | 0.003 | 8.9 | 6,792.94 | 0.7 | 382 | 381 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 524,212.00 | 2.70 |
| E16047-E16045 | 8 | 431 | 0.012 | 3.8 | 2,040.66 | 0.7 | 489 | 484 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 994,109.39 | 5.13 |
| H11097-J11045 | 8 | 304 | 0.003 | 8.7 | 7,338.55 | 0.7 | 378 | 377 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 529,359.87 | 2.73 |
| D05097-E05007 | 8 | 303 | 0.017 | 3.1 | 1,230.03 | 0.7 | 540 | 535 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,185,636.32 | 6.11 |
| E04121-E04119 | 8 | 220 | 0.014 | 3.2 | 1,363.96 | 0.69 | 537 | 534 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,077,797.31 | 5.56 |
| H06043-H06041 | 8 | 226 | 0.009 | 4.5 | 2,854.14 | 0.7 | 449 | 447 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 868,257.58 | 4.48 |
| G05069-G05067 | 8 | 253 | 0.012 | 5.6 | 4,299.01 | 0.7 | 470 | 467 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,005,051.17 | 5.18 |
| D18011-D18009 | 8 | 167 | 0.006 | 8.3 | 9,709.27 | 0.71 | 520.19 | 519.26 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 688,764.96 | 3.55 |
| E08033-E08021 | 8 | 345 | 0.003 | 9.7 | 7,544.58 | 0.7 | 449 | 448 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 496,910.60 | 2.56 |
| C02051-C02047 | 8 | 249 | 0.008 | 4.7 | 3,427.39 | 0.69 | 642 | 640 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 827,185.92 | 4.27 |
| K14041-K14039 | 8 | 259 | 0.002 | 13.2 | 15,067.31 | 0.7 | 327 | 326.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 405,529.94 | 2.09 |
| F01011-F02061 | 8 | 96 | 0.005 | 0 | 0 | 0 | 526.09 | 525.59 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 666,096.56 | 3.44 |
| E03257-E03255 | 8 | 292 | 0.014 | 3.9 | 1,363.96 | 0.69 | 545 | 541 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,080,255.23 | 5.57 |
| D13107-D13105 | 8 | 146 | 0.021 | 2.2 | 1,020.33 | 0.66 | 504 | 501 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,323,037.05 | 6.82 |
| J06079-J06077 | 8 | 72 | 0.004 | 7 | 5,875.82 | 0.7 | 427.25 | 426.95 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 595,774.88 | 3.07 |
| E18089-F18007 | 8 | 210 | 0.005 | 7.6 | 7,407.08 | 0.71 | 532 | 531 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 636,910.14 | 3.28 |
| E04063-E04061 | 8 | 129 | 0.008 | 5.2 | 3,363.96 | 0.71 | 550 | 549 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 812,630.19 | 4.19 |
| C07103-C07091 | 8 | 383 | 0.029 | 5.8 | 566.51 | 0.7 | 535 | 524 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,564,172.92 | 8.07 |
| D03059-D03057 | 8 | 315 | 0.016 | 3.1 | 1,560.98 | 0.72 | 596 | 591 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,162,833.49 | 6.00 |
| H11125-H11121 | 8 | 284 | 0.004 | 7.6 | 6,430.15 | 0.7 | 376 | 375 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 547,682.21 | 2.82 |
| D03121-D03113 | 6 | 498 | 0.006 | 8.4 | 3,924.62 | 0.7 | 580 | 577 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 332,631.83 | 2.57 |
| F18007-F18005 | 8 | 196 | 0.005 | 17.4 | 7,391.09 | 0.7 | 531 | 530 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 659,264.62 | 3.40 |
| K14045-K14043 | 8 | 246 | 0.004 | 8.9 | 6,617.97 | 0.7 | 329 | 328 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 588,464.48 | 3.03 |
| F09119-F09117 | 8 | 142 | 0.007 | 5 | 2,739.08 | 0.7 | 434 | 433 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 774,539.61 | 3.99 |
| D08099-D08097 | 8 | 249 | 0.008 | 3.9 | 2,269.39 | 0.69 | 455 | 453 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 827,185.92 | 4.27 |
| D07013-D07011 | 8 | 352 | 0.006 | 6.4 | 5,036.31 | 0.69 | 493 | 491 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 695,715.17 | 3.59 |
| E05171-E05149 | 8 | 72 | 0.014 | 5.7 | 1,363.96 | 0.69 | 517 | 516 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,087,731.13 | 5.61 |
| D14007-D14005 | 8 | 104 | 0.01 | 4.2 | 2,720.88 | 0.71 | 460 | 459 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 905,047.01 | 4.67 |
| E15019-E15017 | 8 | 208 | 0.01 | 15.1 | 2,720.88 | 0.71 | 474 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 905,047.01 | 4.67 |
| G07073-G07057 | 8 | 402 | 0.005 | 9.7 | 5,366.10 | 0.7 | 457 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 651,013.18 | 3.36 |
| E17001-E18007 | 12 | 289 | 0.002 | 10.2 | 24,416.25 | 0.69 | 519.1 | 518.5 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,239,912.97 | 2.40 |
| H11161-H11159 | 8 | 274 | 0.007 | 5.2 | 2,607.05 | 0.7 | 383 | 381 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 788,546.89 | 4.07 |
| E16073-E16071 | 8 | 255 | 0.016 | 3.4 | 1,698.79 | 0.73 | 488 | 484 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,155,973.06 | 5.96 |
| D13109-D13075 | 8 | 210 | 0.01 | 9.7 | 2,777.35 | 0.71 | 434 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 900,726.95 | 4.65 |
| F15047-F15045 | 8 | 301 | 0.007 | 4.8 | 3,333.40 | 0.7 | 446 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 752,349.36 | 3.88 |
| E07119-E07117 | 8 | 271 | 0.004 | 9.6 | 8,721.30 | 0.7 | 479 | 478 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 560,664.63 | 2.89 |
| D13007-D13005 | 8 | 124 | 0.008 | 5.9 | 4,188.01 | 0.7 | 425 | 424 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 828,851.95 | 4.27 |
| E06029-E06027 | 8 | 269 | 0.004 | 9.8 | 7,322.73 | 0.71 | 491 | 490 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 562,745.03 | 2.90 |
| D10097-D10095 | 8 | 254 | 0.012 | 4.2 | 1,510.31 | 0.71 | 457 | 454 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,003,070.77 | 5.17 |
| J11083-J11079 | 8 | 583 | 0.012 | 12.8 | 2,096.16 | 0.71 | 373 | 366 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,011,352.49 | 5.22 |
| J13001-J14121 | 8 | 294 | 0.002 | 15.2 | 16,778.11 | 0.71 | 336 | 335.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 380,626.61 | 1.96 |
| K08017-K08015 | 12 | 298 | 0.002 | 12.5 | 44,290.57 | 0.7 | 390.49 | 389.78 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,328,267.48 | 2.57 |
| C04083-C04081 | 8 | 165 | 0.036 | 2.1 | 624.39 | 0.69 | 637 | 631 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,760,035.63 | 9.08 |
| G09159-G09125 | 8 | 224 | 0.013 | 8.4 | 2,165.79 | 0.68 | 415.94 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,057,395.51 | 5.45 |
| F08059-F08057 | 8 | 198 | 0.005 | 6.2 | 4,135.58 | 0.71 | 444 | 443 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,926.55 | 3.38 |
| E03253-E03251 | 8 | 191 | 0.01 | 4.6 | 2,045.94 | 0.71 | 540 | 538 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 944,465.55 | 4.87 |
| F12113-F12111 | 8 | 219 | 0.005 | 7.9 | 7,428.62 | 0.71 | 405 | 404 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 623,685.65 | 3.22 |
| E08083-F08131 | 8 | 259 | 0.004 | 13 | 8,662.22 | 0.71 | 459 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 573,505.95 | 2.96 |
| F05099-F05097 | 8 | 286 | 0.01 | 3.9 | 2,045.94 | 0.71 | 518 | 515 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 945,290.77 | 4.88 |
| E08093-F08133 | 8 | 246 | 0.004 | 11 | 8,155.52 | 0.71 | 462 | 461 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 588,464.48 | 3.03 |
| F07071-F07069 | 8 | 247 | 0.004 | 8.9 | 8,168.34 | 0.71 | 468 | 467 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,272.05 | 3.03 |
| E07113-E07111 | 8 | 329 | 0.006 | 6.9 | 4,638.70 | 0.7 | 486 | 484 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 719,622.70 | 3.71 |
| E09097-E09095 | 8 | 89 | 0.006 | 5.5 | 4,004.82 | 0.71 | 425 | 424.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 691,795.62 | 3.57 |
| D14121-D14119 | 8 | 71 | 0.014 | 4.5 | 1,697.19 | 0.7 | 473 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,095,364.43 | 5.65 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| F14133-F13085 | 8 | 351 | 0.017 | 3.6 | 1,360.44 | 0.71 | 429 | 422.86 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,220,726.67 | 6.30 |
| F03197-F03195 | 8 | 249 | 0.011 | 4 | 2,045.94 | 0.71 | 536.11 | 533.46 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 950,256.26 | 4.90 |
| F05145-F05143 | 8 | 269 | 0.005 | 7 | 6,046.38 | 0.71 | 502 | 500.77 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 624,114.43 | 3.22 |
| E11095-E11093 | 8 | 88 | 0.006 | 6.9 | 5,741.72 | 0.72 | 413.5 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 695,715.17 | 3.59 |
| F15039-G15025 | 8 | 322 | 0.006 | 6.1 | 4,194.94 | 0.7 | 441.85 | 440 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 699,593.45 | 3.61 |
| E11115-E11113 | 8 | 237 | 0.008 | 49.6 | 3,394.25 | 0.71 | 419 | 417 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 847,868.76 | 4.37 |
| E03067-E03063 | 6 | 481 | 0.006 | 9.9 | 3,924.62 | 0.71 | 577 | 574 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 338,458.89 | 2.62 |
| D17059-D17057 | 12 | 180 | 0.001 | 17.6 | 68,258.34 | 0.7 | 511.25 | 511 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,014,140.79 | 1.96 |
| D12053-D12047 | 8 | 175 | 0.007 | 8.3 | 4,546.05 | 0.71 | 441.55 | 440.3 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 780,052.42 | 4.02 |
| F13137-F13135 | 8 | 243 | 0.008 | 5 | 3,290.53 | 0.69 | 413 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 837,335.82 | 4.32 |
| E07131-E07129 | 8 | 247 | 0.004 | 8.6 | 7,749.48 | 0.71 | 478 | 477 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,272.05 | 3.03 |
| F03011-F03009 | 8 | 352 | 0.011 | 3.7 | 2,025.85 | 0.71 | 524 | 520 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 983,889.83 | 5.07 |
| G05027-G05009 | 8 | 297 | 0.017 | 9.1 | 2,860.94 | 0.71 | 478 | 473 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,197,552.56 | 6.18 |
| D19011-D19009 | 8 | 300 | 0.006 | 7.2 | 7,364.38 | 0.7 | 558.01 | 556.26 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 703,758.39 | 3.63 |
| G08105-G08103 | 8 | 68 | 0.004 | 9.3 | 9,866.94 | 0.71 | 426.64 | 426.4 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 548,326.17 | 2.83 |
| E12121-E12119 | 8 | 137 | 0.007 | 6 | 4,067.52 | 0.71 | 412 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 788,546.89 | 4.07 |
| E12131-E12129 | 8 | 209 | 0.005 | 8.1 | 7,420.67 | 0.71 | 407 | 406 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 638,432.03 | 3.29 |
| C01036-C01034 | 8 | 300 | 0.014 | 3.5 | 2,438.68 | 0.7 | 666.74 | 662.49 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,096,728.24 | 5.66 |
| E19004-E19003 | 8 | 300 | 0.004 | 8 | 7,482.41 | 0.71 | 562.39 | 561.16 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 590,006.93 | 3.04 |
| J11093-J11091 | 8 | 191 | 0.005 | 8.3 | 7,214.21 | 0.71 | 373 | 372 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 667,838.00 | 3.44 |
| D01071-D01069 | 8 | 224 | 0.005 | 0 | 0 | 0 | 607.64 | 606.45 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 672,724.55 | 3.47 |
| D07141-D08071 | 8 | 246 | 0.004 | 8.4 | 8,578.77 | 0.71 | 487 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 588,464.48 | 3.03 |
| G13017-G13011 | 8 | 135 | 0.006 | 5.3 | 3,632.70 | 0.72 | 396.77 | 396 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 697,053.78 | 3.60 |
| C01030-C01028 | 8 | 266.6 | 0.014 | 3.7 | 2,707.59 | 0.69 | 655.93 | 652.11 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,101,925.14 | 5.68 |
| E04163-F04175 | 8 | 186 | 0.011 | 4.6 | 2,045.94 | 0.72 | 536 | 534 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 957,075.80 | 4.94 |
| F15051-F15049 | 8 | 308 | 0.01 | 4.2 | 2,012.94 | 0.72 | 450 | 447 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 910,904.98 | 4.70 |
| F12093-F12091 | 8 | 257 | 0.004 | 9.2 | 9,419.65 | 0.71 | 405 | 404 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 575,733.16 | 2.97 |
| E10027-E09099 | 8 | 185 | 0.005 | 5.5 | 4,015.55 | 0.72 | 429 | 428 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 678,581.39 | 3.50 |
| F16051-F16019 | 8 | 218 | 0.005 | 18.7 | 8,089.26 | 0.71 | 486 | 485 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 625,114.48 | 3.22 |
| E04117-F04105 | 8 | 240 | 0.013 | 4.7 | 1,704.95 | 0.72 | 533 | 530 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,031,912.36 | 5.32 |
| E18013-E18011 | 8 | 172 | 0.026 | 2.1 | 1,020.33 | 0.73 | 534.5 | 530 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,492,896.98 | 7.70 |
| E11075-E11073 | 10 | 288 | 0.003 | 35.7 | 17,830.94 | 0.71 | 410 | 409.23 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 865,293.87 | 2.68 |
| D16047-D16043 | 8 | 160 | 0.009 | 6.1 | 3,060.99 | 0.72 | 496 | 494.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 893,662.32 | 4.61 |
| G12057-G12055 | 8 | 333 | 0.006 | 5.8 | 3,571.55 | 0.71 | 383 | 381 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 715,287.59 | 3.69 |
| E11051-E11047 | 8 | 195 | 0.005 | 7 | 6,192.49 | 0.7 | 423 | 422 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 660,952.88 | 3.41 |
| D07149-D07147 | 8 | 231 | 0.009 | 4.1 | 2,674.52 | 0.7 | 507 | 505 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 858,809.45 | 4.43 |
| K08019-K08017 | 12 | 300 | 0.002 | 12.6 | 44,436.05 | 0.71 | 391.19 | 390.49 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,314,476.69 | 2.54 |
| D12017-D12011 | 8 | 401 | 0.012 | 11.5 | 2,045.30 | 0.72 | 426 | 421 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,030,624.88 | 5.32 |
| E04149-E04147 | 8 | 159 | 0.013 | 4.5 | 1,704.95 | 0.72 | 538 | 536 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,035,152.28 | 5.34 |
| F09127-F09125 | 8 | 233 | 0.009 | 4.5 | 2,296.89 | 0.7 | 433 | 431 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 855,115.63 | 4.41 |
| E16085-E16083 | 8 | 299 | 0.003 | 10.3 | 10,576.81 | 0.72 | 502 | 501 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 533,767.61 | 2.75 |
| E08079-E08077 | 12 | 383 | 0.005 | 7.2 | 7,475.44 | 0.72 | 460 | 458 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,966,437.32 | 3.80 |
| F14013-F14011 | 8 | 209 | 0.014 | 3.3 | 1,337.52 | 0.71 | 443 | 440 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,105,796.70 | 5.70 |
| F05001-F06157 | 10 | 302 | 0.003 | 7.5 | 10,912.76 | 0.72 | 498 | 497 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 962,966.19 | 2.98 |
| D02073-D02071 | 8 | 280 | 0.007 | 5.2 | 4,054.91 | 0.72 | 618 | 616 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 780,052.42 | 4.02 |
| H12055-H12019 | 8 | 406 | 0.01 | 32 | 1,824.16 | 0.72 | 373 | 368.87 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 930,893.11 | 4.80 |
| C06049-D06041 | 8 | 224 | 0.018 | 3.8 | 1,230.03 | 0.72 | 573 | 569 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,233,371.17 | 6.36 |
| C07055-C07053 | 8 | 298 | 0.007 | 10 | 4,396.93 | 0.72 | 515 | 513 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 756,126.87 | 3.90 |
| G14091-G14089 | 8 | 295 | 0.01 | 3.7 | 1,825.44 | 0.72 | 418 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 930,759.39 | 4.80 |
| F07107-F07105 | 8 | 331 | 0.003 | 11.6 | 12,646.98 | 0.72 | 481 | 480 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 507,310.45 | 2.62 |
| F03185-F03183 | 8 | 259 | 0.004 | 8.5 | 7,381.51 | 0.72 | 531.52 | 530.47 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,668.72 | 3.03 |
| E13055-E13047 | 8 | 238 | 0.008 | 5.8 | 3,391.38 | 0.7 | 421 | 419 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 846,085.64 | 4.36 |
| F07123-F07121 | 8 | 194 | 0.003 | 12.4 | 14,700.84 | 0.72 | 477 | 476.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 468,567.26 | 2.42 |
| D08101-E08063 | 8 | 324 | 0.003 | 13.4 | 9,847.14 | 0.72 | 468 | 467 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 512,761.37 | 2.64 |
| G07065-G07063 | 8 | 209 | 0.01 | 5.5 | 2,705.22 | 0.73 | 461 | 459 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 902,879.23 | 4.66 |
| F06093-F06091 | 8 | 67 | 0.01 | 4.3 | 3,092.93 | 0.73 | 494.79 | 494.14 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 909,090.43 | 4.69 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| E07105-E07103 | 8 | 246 | 0.008 | 5.9 | 3,618.46 | 0.73 | 485 | 483 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 832,214.45 | 4.29 |
| E14033-E14031 | 8 | 191 | 0.005 | 7.9 | 6,103.95 | 0.72 | 453 | 452 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 667,838.00 | 3.44 |
| E16089-E16085 | 8 | 288 | 0.007 | 7.7 | 4,736.91 | 0.72 | 504 | 502 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 769,142.06 | 3.97 |
| E08011-E08009 | 8 | 310 | 0.013 | 3.4 | 1,499.50 | 0.73 | 459 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,048,424.00 | 5.41 |
| C07089-C07087 | 8 | 383 | 0.031 | 6.8 | 566.51 | 0.72 | 534 | 522 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,633,725.33 | 8.43 |
| H12075-H12073 | 8 | 359 | 0.007 | 6.6 | 4,664.55 | 0.72 | 367.54 | 365 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 776,349.79 | 4.00 |
| E12119-E12115 | 8 | 187 | 0.005 | 7.9 | 6,100.18 | 0.72 | 411 | 410 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 674,942.85 | 3.48 |
| D16077-D16075 | 8 | 194 | 0.005 | 7.8 | 6,069.87 | 0.72 | 482 | 481 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 662,654.18 | 3.42 |
| E16051-E16049 | 8 | 276 | 0.014 | 3.9 | 1,700.55 | 0.69 | 486 | 482 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,111,125.88 | 5.73 |
| F14127-F14051 | 6 | 200 | 0.015 | 28.3 | 1,697.48 | 0.73 | 427 | 424 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 524,884.17 | 4.06 |
| G10065-G10063 | 8 | 281 | 0.004 | 9.8 | 6,567.07 | 0.72 | 398 | 397 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 550,598.02 | 2.84 |
| K14003-K14001 | 8 | 305 | 0.003 | 10.4 | 9,268.34 | 0.72 | 325 | 324 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 528,491.35 | 2.73 |
| H11045-H11043 | 8 | 371 | 0.008 | 4.5 | 2,804.36 | 0.73 | 383 | 380 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 829,968.25 | 4.28 |
| G13007-G13005 | 8 | 187 | 0.011 | 5.2 | 1,788.83 | 0.72 | 395 | 393 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 954,513.34 | 4.92 |
| K15029-K15027 | 8 | 344 | 0.006 | 9.4 | 4,341.18 | 0.73 | 322 | 320 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 703,758.39 | 3.63 |
| G08133-H08029 | 6 | 405 | 0.002 | 16.4 | 12,507.37 | 0.72 | 431 | 430 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 212,956.22 | 1.65 |
| E04055-E04053 | 8 | 408 | 0.007 | 6.1 | 3,924.62 | 0.72 | 554 | 551 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 791,440.65 | 4.08 |
| D04019-D05067 | 8 | 284 | 0.007 | 7.7 | 4,364.15 | 0.73 | 602 | 600 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 774,539.61 | 3.99 |
| F08051-F08049 | 8 | 392 | 0.003 | 9.9 | 9,456.95 | 0.73 | 447 | 446 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 466,170.49 | 2.40 |
| E18093-E18091 | 8 | 201 | 0.005 | 7.4 | 7,099.42 | 0.72 | 534 | 533 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 651,013.18 | 3.36 |
| F07121-F07119 | 8 | 199 | 0.003 | 12.8 | 16,134.54 | 0.73 | 476.5 | 476 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 462,643.29 | 2.39 |
| C07037-C07035 | 8 | 159 | 0.019 | 2.6 | 1,128.04 | 0.73 | 524 | 521 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,267,797.45 | 6.54 |
| G09091-G09075 | 8 | 256 | 0.003 | 11.8 | 7,920.33 | 0.72 | 401.8 | 401 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 515,956.18 | 2.66 |
| L13103-L13019 | 10 | 309 | 0.003 | 100 | 332,324.21 | 0.73 | 325 | 324 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 951,996.32 | 2.95 |
| E18091-E18089 | 8 | 190 | 0.005 | 7.4 | 7,081.61 | 0.71 | 533 | 532 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 669,593.16 | 3.45 |
| F07095-F07093 | 8 | 262 | 0.003 | 11.3 | 13,125.28 | 0.72 | 479.8 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 510,014.07 | 2.63 |
| F17045-F17043 | 8 | 259 | 0.003 | 11.4 | 13,749.90 | 0.72 | 518.55 | 517.65 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 544,075.51 | 2.81 |
| F06151-F06149 | 8 | 224 | 0.004 | 9.7 | 7,178.18 | 0.73 | 492 | 491 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 616,685.59 | 3.18 |
| E15087-E15085 | 8 | 394 | 0.008 | 6.2 | 4,071.44 | 0.72 | 473 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 805,379.04 | 4.15 |
| D03111-E03061 | 8 | 340 | 0.015 | 3.5 | 1,681.98 | 0.7 | 583 | 578 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,119,266.10 | 5.77 |
| G14017-G14015 | 8 | 361 | 0.011 | 3.5 | 2,001.87 | 0.73 | 426 | 422 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 971,547.87 | 5.01 |
| E05155-E05151 | 8 | 343 | 0.017 | 5.6 | 1,363.96 | 0.75 | 524 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,220,720.88 | 6.30 |
| G07029-G07027 | 8 | 225 | 0.004 | 7.8 | 7,713.11 | 0.73 | 449 | 448 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 615,313.65 | 3.17 |
| E12129-E12127 | 8 | 229 | 0.004 | 8.5 | 9,103.73 | 0.73 | 406 | 405 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 609,916.06 | 3.15 |
| J11163-J12081 | 12 | 272 | 0.006 | 4.8 | 7,026.68 | 0.73 | 362 | 360.44 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,060,830.84 | 3.99 |
| G05021-G05011 | 8 | 287 | 0.017 | 8.8 | 3,243.17 | 0.75 | 479 | 474 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,218,237.21 | 6.28 |
| C07059-C07057 | 8 | 252 | 0.012 | 3.9 | 2,246.80 | 0.73 | 521 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,007,043.35 | 5.19 |
| D18051-D18049 | 12 | 300 | 0.008 | 4.3 | 8,656.28 | 0.71 | 531.7 | 529.31 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,424,823.88 | 4.69 |
| G10033-G10031 | 8 | 222 | 0.005 | 17.7 | 5,124.56 | 0.73 | 400 | 399 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 619,457.22 | 3.19 |
| F03163-F03085 | 8 | 20 | 0.05 | 13.6 | 340.99 | 0.71 | 526 | 525 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,063,824.72 | 10.64 |
| F04191-F04141 | 8 | 20 | 0.05 | 13.6 | 340.99 | 0.71 | 519 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,063,824.72 | 10.64 |
| F12091-F12089 | 8 | 259 | 0.004 | 9.7 | 10,751.82 | 0.73 | 404 | 403 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 573,505.95 | 2.96 |
| E07129-E07127 | 8 | 267 | 0.004 | 9.9 | 9,739.57 | 0.73 | 477 | 476 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 564,848.76 | 2.91 |
| E08025-E08023 | 15 | 342 | 0.007 | 2.5 | 4,398.16 | 0.74 | 453.5 | 451 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,218,403.81 | 5.44 |
| C04053-C04027 | 8 | 120 | 0.008 | 7.9 | 3,740.11 | 0.74 | 657 | 656 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 842,552.91 | 4.35 |
| C04077-C04075 | 8 | 298 | 0.017 | 2.8 | 1,559.75 | 0.73 | 637 | 632 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,195,541.56 | 6.17 |
| D08091-D08089 | 8 | 332 | 0.009 | 4 | 2,415.30 | 0.72 | 470 | 467 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 877,363.16 | 4.52 |
| D09083-D09081 | 8 | 197 | 0.005 | 11.2 | 4,616.74 | 0.73 | 455 | 454 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 657,589.23 | 3.39 |
| C02069-C02067 | 8 | 200 | 0.01 | 4.6 | 3,118.52 | 0.74 | 634 | 632 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 922,970.47 | 4.76 |
| D11029-D11027 | 8 | 211 | 0.004 | 10.1 | 5,955.81 | 0.73 | 474.72 | 473.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 609,453.38 | 3.14 |
| H13083-H13065 | 8 | 382 | 0.013 | 5.3 | 1,386.51 | 0.74 | 377 | 372 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,055,944.59 | 5.45 |
| E03081-E03079 | 8 | 266 | 0.015 | 3.9 | 1,681.98 | 0.73 | 560 | 556 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,131,819.01 | 5.84 |
| F13021-F13019 | 8 | 257 | 0.012 | 4 | 1,684.03 | 0.74 | 406 | 403 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 997,199.09 | 5.14 |
| F03001-G03017 | 8 | 342 | 0.012 | 4.2 | 2,045.94 | 0.74 | 511 | 507 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 998,170.54 | 5.15 |
| E18095-E18093 | 8 | 179 | 0.011 | 5.6 | 2,713.28 | 0.74 | 536 | 534 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 975,610.10 | 5.03 |
| J08033-J08031 | 10 | 188 | 0.003 | 14.8 | 36,524.60 | 0.71 | 395.36 | 394.87 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 854,345.67 | 2.64 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| E11027-E11025 | 8 | 407 | 0.01 | 5.3 | 3,165.47 | 0.74 | 414 | 410 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 914,998.96 | 4.72 |
| F14099-F14097 | 8 | 219 | 0.014 | 3.8 | 2,037.68 | 0.74 | 445 | 442 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,080,255.23 | 5.57 |
| L14079-L14075 | 8 | 171 | 0.003 | 11.3 | 9,885.70 | 0.73 | 314 | 313.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 499,085.27 | 2.57 |
| D15043-D15039 | 8 | 155 | 0.019 | 2.9 | 1,360.44 | 0.74 | 464 | 461 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,284,051.92 | 6.62 |
| E05163-E05161 | 8 | 74 | 0.014 | 3.9 | 1,704.95 | 0.74 | 524 | 523 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,072,931.38 | 5.53 |
| L13037-L13035 | 8 | 128 | 0.004 | 8.4 | 8,295.78 | 0.73 | 332 | 331.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| D07041-D07039 | 8 | 275 | 0.011 | 3.7 | 2,438.38 | 0.74 | 498 | 495 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 964,011.22 | 4.97 |
| J11165-J11163 | 12 | 318 | 0.013 | 3.3 | 2,704.90 | 0.71 | 366 | 362 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,051,974.73 | 5.90 |
| E14047-E14109 | 8 | 329 | 0.015 | 4 | 1,700.55 | 0.73 | 449 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,137,823.40 | 5.87 |
| G10029-G10027 | 8 | 110 | 0.009 | 14 | 2,395.99 | 0.73 | 399 | 398 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 880,017.82 | 4.54 |
| D04049-E04013 | 8 | 563 | 0.012 | 4.5 | 2,242.64 | 0.74 | 564 | 557 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,029,159.36 | 5.31 |
| E14031-E14029 | 8 | 255 | 0.004 | 9.2 | 9,488.06 | 0.74 | 452 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 577,986.53 | 2.98 |
| K08021-K08019 | 12 | 204 | 0.002 | 12.6 | 44,528.68 | 0.72 | 391.67 | 391.19 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,319,988.15 | 2.55 |
| G08037-G08035 | 8 | 247 | 0.008 | 4.9 | 2,757.80 | 0.73 | 437 | 435 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 830,528.10 | 4.28 |
| E04007-E04005 | 6 | 150 | 0.02 | 4.3 | 1,121.32 | 0.74 | 557 | 554 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 606,084.03 | 4.69 |
| D02009-D02007 | 8 | 234 | 0.009 | 6.1 | 3,500.97 | 0.75 | 601 | 599 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 853,286.50 | 4.40 |
| G04127-G04111 | 8 | 300 | 0.003 | 10.7 | 11,242.44 | 0.74 | 494 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 532,877.25 | 2.75 |
| G09109-G09107 | 8 | 95 | 0.005 | 6.2 | 4,590.56 | 0.74 | 404 | 403.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 669,593.16 | 3.45 |
| K09013-K09011 | 12 | 300 | 0.003 | 11.7 | 43,963.80 | 0.73 | 389.08 | 388.16 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,506,946.33 | 2.91 |
| D12055-D12053 | 8 | 39 | 0.008 | 5.4 | 4,548.10 | 0.74 | 441.86 | 441.55 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 822,879.70 | 4.24 |
| G07003-G07001 | 8 | 397 | 0.01 | 5 | 3,117.22 | 0.75 | 452 | 448 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 926,451.20 | 4.78 |
| E02065-E02064 | 8 | 269 | 0.007 | 7.3 | 4,080.07 | 0.75 | 561.39 | 559.45 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 783,813.13 | 4.04 |
| D16073-E16009 | 8 | 289 | 0.003 | 10 | 11,318.02 | 0.74 | 480 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 542,923.81 | 2.80 |
| G09079-G09077 | 8 | 160 | 0.006 | 7.9 | 3,677.43 | 0.75 | 403 | 402 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 729,672.23 | 3.76 |
| E13083-E13081 | 8 | 243 | 0.008 | 5.6 | 4,067.36 | 0.74 | 433 | 431 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 837,335.82 | 4.32 |
| C03005-C03003 | 8 | 237 | 0.021 | 2.8 | 1,202.88 | 0.75 | 654 | 649 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,340,598.21 | 6.91 |
| D01069-D01067 | 8 | 362 | 0.003 | 0 | 0 | 0 | 606.45 | 605.36 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 506,461.89 | 2.61 |
| F04035-F04033 | 8 | 301 | 0.01 | 4.3 | 3,022.61 | 0.75 | 511 | 508 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 921,436.02 | 4.75 |
| F01013-F01011 | 8 | 113 | 0.006 | 0 | 0 | 0 | 526.76 | 526.09 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 710,699.46 | 3.67 |
| E05129-F05085 | 8 | 262 | 0.008 | 5.1 | 3,717.12 | 0.74 | 522 | 520 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 806,403.05 | 4.16 |
| P-5579 | 8 | 0 | 0.002 | 15.2 | 18,003.03 | 0.59 | 509.99 | 509 | | 0.3 | 358,431.20 | 1.85 |
| J08031-J08029 | 10 | 190 | 0.003 | 14.1 | 36,586.35 | 0.72 | 395.85 | 395.36 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 849,837.22 | 2.63 |
| E14107-E14105 | 8 | 324 | 0.006 | 6.3 | 5,752.75 | 0.75 | 442 | 439.98 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 728,770.84 | 3.76 |
| J12021-J12013 | 21 | 297 | 0 | 47.6 | 791,786.34 | 0.65 | 359.06 | 359 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 1,720,138.28 | 1.11 |
| F04049-F04047 | 8 | 327 | 0.009 | 5.6 | 3,046.91 | 0.74 | 512 | 509 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 884,045.38 | 4.56 |
| E18047-E18019 | 8 | 103 | 0.005 | 10 | 8,631.05 | 0.74 | 522 | 521.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 643,064.00 | 3.32 |
| D04109-D04107 | 8 | 171 | 0.029 | 3.8 | 964.13 | 0.76 | 588 | 583 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,578,246.21 | 8.14 |
| H12069-J12045 | 8 | 353 | 0.006 | 10.1 | 7,944.19 | 0.73 | 363 | 361 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 694,729.04 | 3.58 |
| F03179-F03177 | 8 | 262 | 0.004 | 8.9 | 8,740.83 | 0.74 | 538 | 537 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 570,213.06 | 2.94 |
| H10003-H10001 | 12 | 700 | 0.001 | 15 | 50,219.88 | 0.73 | 383 | 382 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,028,526.48 | 1.99 |
| D14029-D14027 | 8 | 219 | 0.005 | 8.3 | 8,133.98 | 0.74 | 450 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 623,685.65 | 3.22 |
| F02090-F03155 | 8 | 296 | 0.005 | 8.4 | 5,951.17 | 0.75 | 541.46 | 540 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 659,449.01 | 3.40 |
| C02041-C02013 | 8 | 254 | 0.004 | 15.6 | 13,043.30 | 0.74 | 633.02 | 632 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 584,885.74 | 3.02 |
| K14039-K14037 | 8 | 224 | 0.002 | 13.2 | 16,281.45 | 0.74 | 326.5 | 326 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 436,062.56 | 2.25 |
| F07069-F07067 | 8 | 263 | 0.004 | 21.5 | 10,676.54 | 0.74 | 467 | 466 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 569,127.97 | 2.94 |
| F09003-F09001 | 8 | 355 | 0.008 | 4.8 | 3,444.78 | 0.74 | 421.69 | 419 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 803,433.19 | 4.14 |
| J11139-J11087 | 8 | 112 | 0.009 | 11.9 | 4,251.36 | 0.74 | 370 | 369 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 872,125.12 | 4.50 |
| E06071-E06069 | 8 | 259 | 0.008 | 6.3 | 3,690.08 | 0.74 | 517 | 515 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 811,059.89 | 4.18 |
| H04035-H04029 | 8 | 253 | 0.008 | 7.9 | 8,936.85 | 0.74 | 472 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 820,620.84 | 4.23 |
| E06103-E06101 | 8 | 181 | 0.011 | 5.2 | 2,460.05 | 0.75 | 498 | 496 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 970,205.02 | 5.00 |
| C10015-C10013 | 8 | 270 | 0.007 | 6.9 | 3,246.25 | 0.75 | 459 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 794,366.50 | 4.10 |
| E17013-E17011 | 8 | 240 | 0.004 | 9.6 | 9,237.94 | 0.75 | 506 | 505 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 595,774.88 | 3.07 |
| F03005-G03047 | 8 | 254 | 0.008 | 8.8 | 4,005.98 | 0.74 | 515 | 513 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 819,003.86 | 4.22 |
| E16083-E16081 | 8 | 303 | 0.003 | 11.5 | 12,914.87 | 0.74 | 501 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 530,232.68 | 2.73 |
| E17036-F17045 | 8 | 259 | 0.004 | 10.9 | 13,780.19 | 0.74 | 519.46 | 518.55 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 547,089.80 | 2.82 |
| E11151-E11061 | 8 | 326 | 0.003 | 45.9 | 16,252.04 | 0.75 | 403 | 402.16 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 468,509.77 | 2.42 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| K08023-K08021 | 12 | 205 | 0.002 | 12.6 | 44,615.61 | 0.73 | 392.15 | 391.67 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,316,764.73 | 2.55 |
| J12069-J12065 | 8 | 263 | 0.008 | 14.1 | 4,991.65 | 0.74 | 364 | 362 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 804,868.50 | 4.15 |
| F08065-F08063 | 8 | 226 | 0.004 | 7.8 | 6,422.08 | 0.75 | 440 | 439 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 613,950.83 | 3.17 |
| G05015-G05013 | 8 | 317 | 0.013 | 7.9 | 5,177.48 | 0.75 | 480 | 476 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,036,783.73 | 5.35 |
| L14033-L14031 | 8 | 321 | 0.006 | 5.7 | 4,478.56 | 0.75 | 318 | 316 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 728,534.78 | 3.76 |
| H06041-H06029 | 8 | 217 | 0.008 | 4.9 | 3,822.43 | 0.74 | 447 | 445.25 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 828,851.95 | 4.27 |
| G07015-F07021 | 8 | 303 | 0.007 | 9.5 | 5,152.10 | 0.74 | 458 | 456 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 749,862.25 | 3.87 |
| G13129-G13123 | 8 | 100 | 0.02 | 3.6 | 924.34 | 0.75 | 380 | 378 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,305,277.36 | 6.73 |
| F07153-F07151 | 8 | 317 | 0.009 | 5.4 | 3,121.11 | 0.73 | 466 | 463 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 897,881.05 | 4.63 |
| J14121-J14119 | 8 | 296 | 0.002 | 17.2 | 21,399.33 | 0.75 | 335.5 | 335 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 379,338.53 | 1.96 |
| E14095-E14093 | 8 | 250 | 0.004 | 11.6 | 10,140.70 | 0.75 | 436 | 434.98 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 589,546.26 | 3.04 |
| E06097-E06095 | 8 | 310 | 0.006 | 6.8 | 4,920.11 | 0.77 | 495 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 741,347.72 | 3.82 |
| J11109-J11107 | 8 | 30 | 0.011 | 5.1 | 3,436.74 | 0.76 | 376.12 | 375.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 953,239.80 | 4.92 |
| G04135-G05107 | 8 | 311 | 0.006 | 9.4 | 5,018.01 | 0.74 | 500 | 498 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 740,154.89 | 3.82 |
| F14119-F14117 | 8 | 252 | 0.012 | 4.3 | 2,713.02 | 0.75 | 447 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,007,043.35 | 5.19 |
| E13007-E12037 | 8 | 304 | 0.003 | 10.9 | 13,304.03 | 0.75 | 419 | 418 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 529,359.87 | 2.73 |
| D04119-D04117 | 6 | 121 | 0.017 | 4 | 1,624.97 | 0.76 | 572 | 570 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 550,985.48 | 4.26 |
| H11091-J11043 | 8 | 340 | 0.003 | 10.5 | 9,950.91 | 0.74 | 381 | 380 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 500,551.02 | 2.58 |
| E17015-E17013 | 8 | 251 | 0.004 | 8.8 | 9,274.77 | 0.75 | 507 | 506 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 582,573.80 | 3.00 |
| F13017-F13013 | 8 | 261 | 0.008 | 5 | 3,458.56 | 0.75 | 402 | 400 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 807,946.40 | 4.17 |
| E05041-E05039 | 8 | 421 | 0.005 | 9.2 | 7,810.43 | 0.75 | 534 | 532 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 636,153.26 | 3.28 |
| E09001-F09043 | 8 | 365 | 0.003 | 10.7 | 10,109.26 | 0.76 | 443 | 442 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 483,104.82 | 2.49 |
| D09009-E09041 | 8 | 301 | 0.007 | 5.2 | 3,778.87 | 0.74 | 446 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 752,349.36 | 3.88 |
| E14055-E14053 | 8 | 333 | 0.009 | 5.9 | 3,736.74 | 0.77 | 448 | 445 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 876,044.80 | 4.52 |
| E09011-E09009 | 10 | 406 | 0.002 | 30.4 | 17,424.29 | 0.76 | 434 | 433 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 830,522.67 | 2.57 |
| G08125-G08123 | 8 | 328 | 0.003 | 11.6 | 13,022.88 | 0.75 | 439 | 438 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 509,625.19 | 2.63 |
| D07047-D07041 | 8 | 379 | 0.018 | 3.2 | 1,502.78 | 0.77 | 505 | 498 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,254,345.63 | 6.47 |
| F12089-F12087 | 8 | 252 | 0.004 | 10 | 12,083.62 | 0.75 | 403 | 402 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 581,416.75 | 3.00 |
| G07005-G07003 | 8 | 55 | 0.018 | 3.4 | 1,560.56 | 0.75 | 453 | 452 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,244,533.13 | 6.42 |
| J11045-J11029 | 8 | 296 | 0.003 | 27.4 | 9,619.32 | 0.75 | 377 | 376 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 536,465.69 | 2.77 |
| G03045-G03043 | 8 | 158 | 0.013 | 7.9 | 2,045.94 | 0.76 | 513 | 511 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,038,422.91 | 5.36 |
| H14027-H14025 | 8 | 36 | 0.003 | 9.1 | 9,196.36 | 0.75 | 395.01 | 394.89 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 532,877.25 | 2.75 |
| E17059-E17057 | 8 | 198 | 0.005 | 7.4 | 7,139.77 | 0.76 | 524 | 523 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,926.55 | 3.38 |
| E16069-E16067 | 8 | 254 | 0.007 | 6.3 | 4,883.60 | 0.75 | 501.73 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 761,717.62 | 3.93 |
| E11141-E11111 | 8 | 306 | 0.007 | 41.5 | 5,429.90 | 0.76 | 418 | 416 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 746,177.40 | 3.85 |
| E04125-E04123 | 8 | 116 | 0.009 | 5.6 | 3,686.62 | 0.77 | 530 | 529 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 856,956.57 | 4.42 |
| F13095-F13093 | 8 | 254 | 0.008 | 5.5 | 4,705.97 | 0.75 | 412 | 410 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 819,003.86 | 4.22 |
| D16041-D16039 | 8 | 130 | 0.008 | 7.2 | 4,421.43 | 0.76 | 495 | 494 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 809,498.65 | 4.17 |
| D01043-D01041 | 8 | 297 | 0.013 | 4 | 2,185.37 | 0.76 | 632 | 628 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,071,123.58 | 5.52 |
| E14029-E14027 | 8 | 252 | 0.004 | 9.6 | 10,815.31 | 0.76 | 451 | 450 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 581,416.75 | 3.00 |
| G04109-G04107 | 12 | 299 | 0.007 | 3.9 | 6,312.23 | 0.76 | 504 | 502 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,225,583.55 | 4.30 |
| E05063-E05061 | 8 | 442 | 0.011 | 5 | 2,803.30 | 0.76 | 537 | 532 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 981,661.31 | 5.06 |
| F13135-F13133 | 8 | 255 | 0.008 | 6.3 | 4,638.45 | 0.75 | 411 | 409 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 817,396.39 | 4.22 |
| E09053-E09051 | 8 | 216 | 0.009 | 4 | 2,615.37 | 0.75 | 444 | 442 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 888,128.75 | 4.58 |
| J15027-J15025 | 8 | 105 | 0.01 | 5 | 2,839.99 | 0.74 | 333 | 332 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 900,726.95 | 4.65 |
| J11125-J11119 | 8 | 321 | 0.003 | 12.5 | 13,961.29 | 0.75 | 377 | 376 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 515,151.88 | 2.66 |
| K14067-K14065 | 8 | 253 | 0.004 | 9 | 8,538.56 | 0.76 | 333 | 332 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 580,266.56 | 2.99 |
| G05011-G05009 | 8 | 260 | 0.004 | 14.2 | 23,332.78 | 0.75 | 474 | 473 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 572,401.99 | 2.95 |
| E11013-D11055 | 8 | 116 | 0.009 | 4.8 | 2,758.60 | 0.75 | 433 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 856,956.57 | 4.42 |
| E04103-E04101 | 8 | 335 | 0.006 | 6.8 | 6,138.62 | 0.76 | 556 | 554 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 713,149.20 | 3.68 |
| F07043-F07041 | 8 | 210 | 0.014 | 5.4 | 2,080.74 | 0.76 | 467 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,103,160.71 | 5.69 |
| G08103-G09151 | 8 | 136 | 0.004 | 8.9 | 9,912.01 | 0.76 | 426.4 | 425.82 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 602,743.24 | 3.11 |
| E18033-E18029 | 8 | 189 | 0.021 | 3.7 | 1,360.44 | 0.77 | 540 | 536 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,342,724.46 | 6.93 |
| F05085-F05083 | 8 | 262 | 0.008 | 6.4 | 4,361.47 | 0.76 | 520 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 806,403.05 | 4.16 |
| D09011-D09009 | 8 | 286 | 0.014 | 4 | 1,586.76 | 0.77 | 450 | 446 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,091,527.76 | 5.63 |
| F08063-G08023 | 8 | 260 | 0.004 | 9.2 | 8,250.37 | 0.76 | 439 | 438 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 572,401.99 | 2.95 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|---|-------------------------------------|----------------|-----------------------------|
| E18103-E18093 | 8 | 94 | 0.011 | 6 | 3,716.78 | 0.77 | 535 | 534 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 951,971.35 | 4.91 |
| G04133-G04131 | 8 | 311 | 0.006 | 6.3 | 5,639.87 | 0.77 | 501 | 499 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 740,154.89 | 3.82 |
| L13035-L13031 | 8 | 112 | 0.004 | 8 | 8,148.69 | 0.76 | 331.5 | 331 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 616,685.59 | 3.18 |
| E06107-E06105 | 8 | 257 | 0.012 | 5.2 | 2,460.05 | 0.76 | 500 | 497 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 997,199.09 | 5.14 |
| F12137-F12135 | 8 | 248 | 0.004 | 9.9 | 12,021.45 | 0.76 | 402 | 401 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 586,086.84 | 3.02 |
| H10001-J10007 | 12 | 610 | 0.002 | 20.3 | 52,598.05 | 0.75 | 382 | 381 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,101,791.91 | 2.13 |
| H13025-H13023 | 8 | 141 | 0.002 | 13.9 | 15,950.88 | 0.76 | 372.6 | 372.3 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 425,734.53 | 2.20 |
| D03091-D03089 | 8 | 307 | 0.013 | 4 | 2,493.50 | 0.77 | 598 | 594 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,053,534.14 | 5.43 |
| H11085-J11037 | 8 | 321 | 0.003 | 10.5 | 9,763.19 | 0.75 | 379 | 378 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 515,151.88 | 2.66 |
| C02055-C02051 | 8 | 252 | 0.016 | 3.8 | 1,871.60 | 0.73 | 646 | 642 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,162,833.49 | 6.00 |
| E12051-E12049 | 8 | 328 | 0.003 | 21.2 | 15,113.63 | 0.75 | 417 | 416 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 509,625.19 | 2.63 |
| C03035-C04069 | 8 | 246 | 0.016 | 3 | 1,869.35 | 0.75 | 689 | 685 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,176,928.96 | 6.07 |
| J11061-H11115 | 8 | 563 | 0.008 | 13.5 | 3,218.37 | 0.77 | 374.38 | 370 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 814,086.71 | 4.20 |
| E17057-E17055 | 8 | 186 | 0.005 | 7.6 | 7,117.75 | 0.76 | 523 | 521.98 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 683,488.83 | 3.53 |
| H07021-H07019 | 8 | 287 | 0.016 | 6.4 | 1,486.98 | 0.75 | 445 | 440.31 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,179,867.61 | 6.09 |
| D02061-D02059 | 8 | 197 | 0.005 | 13.1 | 8,383.46 | 0.77 | 610 | 609 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 657,589.23 | 3.39 |
| G04059-G04057 | 8 | 253 | 0.008 | 8.5 | 10,130.30 | 0.76 | 488 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 820,620.84 | 4.23 |
| F12127-F12125 | 8 | 215 | 0.005 | 8.8 | 10,111.50 | 0.77 | 406 | 405 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 629,460.64 | 3.25 |
| G10043-G10041 | 8 | 131 | 0.004 | 8.3 | 8,002.74 | 0.77 | 402 | 401.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 570,213.06 | 2.94 |
| H05063-H05001 | 8 | 176 | 0.011 | 14.8 | 2,849.21 | 0.77 | 445 | 443 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 983,889.83 | 5.07 |
| J06093-J06091 | 8 | 106 | 0.035 | 1.9 | 701.87 | 0.76 | 434.39 | 430.66 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,731,367.62 | 8.93 |
| E03121-E03119 | 8 | 312 | 0.01 | 7.2 | 3,363.96 | 0.75 | 575 | 572 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 905,047.01 | 4.67 |
| E17038-E17036 | 8 | 258 | 0.004 | 10.9 | 13,814.58 | 0.77 | 520.38 | 519.46 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 551,152.61 | 2.84 |
| F01015-F01013 | 8 | 118 | 0.006 | 0 | 0 | 0 | 527.52 | 526.76 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 740,719.20 | 3.82 |
| G12075-G12073 | 8 | 338 | 0.006 | 6.1 | 4,272.82 | 0.75 | 388 | 386 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 709,977.29 | 3.66 |
| J14061-J14059 | 8 | 207 | 0.005 | 7.2 | 6,654.87 | 0.77 | 338 | 337 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 641,508.82 | 3.31 |
| F07051-F07049 | 8 | 207 | 0.019 | 3.8 | 1,560.56 | 0.77 | 470 | 466 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,283,017.65 | 6.62 |
| H06063-H06061 | 8 | 315 | 0.006 | 7.1 | 5,436.93 | 0.77 | 446.2 | 444.4 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 697,700.10 | 3.60 |
| E14113-E14111 | 8 | 259 | 0.012 | 4.3 | 3,054.27 | 0.77 | 443 | 440 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 993,341.44 | 5.12 |
| D11015-D11013 | 8 | 108 | 0.009 | 9.9 | 2,755.85 | 0.78 | 449 | 448 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 888,128.75 | 4.58 |
| H12013-H12005 | 15 | 1,078.00 | 0.002 | 46.9 | 581,780.48 | 0.79 | 364 | 362 | Corrugated HDPE 12-15 inch (Corrugated Interior)-Circular-15 inch | 1.2 | 1,298,724.39 | 1.67 |
| F12111-F12109 | 8 | 192 | 0.005 | 8 | 8,769.47 | 0.77 | 404 | 403 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 666,096.56 | 3.44 |
| E14053-E14051 | 8 | 343 | 0.006 | 7.2 | 6,778.92 | 0.77 | 445 | 443 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 704,783.53 | 3.63 |
| D12003-D12001 | 8 | 252 | 0.008 | 5.9 | 4,766.77 | 0.77 | 424 | 422 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 822,247.45 | 4.24 |
| D12057-D12055 | 8 | 193 | 0.008 | 5.3 | 4,559.05 | 0.77 | 443.5 | 441.86 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 850,807.04 | 4.39 |
| E07099-F07097 | 8 | 229 | 0.004 | 10.3 | 10,171.75 | 0.77 | 481 | 480 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 609,916.06 | 3.15 |
| E18009-E17001 | 12 | 161 | 0.003 | 9.2 | 23,076.58 | 0.77 | 519.56 | 519.1 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,454,556.10 | 2.81 |
| K08001-J08065 | 10 | 301 | 0.003 | 16 | 44,126.29 | 0.76 | 393.38 | 392.44 | | 0.5 | 791,306.11 | 2.45 |
| E14101-E14099 | 8 | 239 | 0.013 | 5.1 | 2,716.64 | 0.77 | 440 | 437 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,034,068.92 | 5.33 |
| E03259-F03181 | 8 | 213 | 0.014 | 3.6 | 2,029.69 | 0.78 | 543 | 540 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,095,364.43 | 5.65 |
| E09013-E09011 | 10 | 381 | 0.003 | 9.7 | 15,942.54 | 0.77 | 435 | 434 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 857,337.90 | 2.65 |
| F04013-F04011 | 8 | 309 | 0.006 | 6.3 | 5,369.70 | 0.78 | 522 | 520 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 742,546.35 | 3.83 |
| D14005-D14003 | 8 | 92 | 0.011 | 5.8 | 3,396.32 | 0.78 | 459 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 962,263.24 | 4.96 |
| G09097-G10051 | 8 | 261 | 0.002 | 14.3 | 17,853.16 | 0.77 | 402 | 401.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 403,973.20 | 2.08 |
| D04117-D04115 | 8 | 206 | 0.019 | 3.6 | 1,619.45 | 0.77 | 570 | 566 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,286,128.00 | 6.63 |
| D03133-E03131 | 8 | 337 | 0.012 | 5.2 | 2,803.30 | 0.77 | 584 | 580 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,005,548.11 | 5.19 |
| F06005-F06003 | 8 | 160 | 0.006 | 7.1 | 6,606.96 | 0.77 | 471 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 729,672.23 | 3.76 |
| E14125-E14123 | 8 | 249 | 0.008 | 6.1 | 4,746.40 | 0.77 | 432 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 827,185.92 | 4.27 |
| F16011-F16005 | 8 | 163 | 0.012 | 5.7 | 2,720.88 | 0.77 | 486 | 484 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,022,372.13 | 5.27 |
| E11153-E11151 | 8 | 324 | 0.003 | 12 | 13,587.49 | 0.77 | 404 | 403 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 512,761.37 | 2.64 |
| E18001-D18007 | 12 | 298 | 0.002 | 13.8 | 45,740.26 | 0.77 | 516.5 | 516 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,114,657.31 | 2.16 |
| E07117-F07123 | 8 | 284 | 0.004 | 11.3 | 12,772.39 | 0.77 | 478 | 477 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 547,682.21 | 2.82 |
| E13087-E13085 | 8 | 90 | 0.022 | 10 | 1,360.44 | 0.78 | 432 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,375,883.14 | 7.10 |
| J08079-J08077 | 10 | 301 | 0.003 | 14.8 | 36,757.79 | 0.77 | 397.4 | 396.62 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 851,880.27 | 2.64 |
| E18017-E18015 | 12 | 161 | 0.003 | 8.1 | 20,407.60 | 0.77 | 521 | 520.5 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,516,479.56 | 2.93 |
| E02051-E02049 | 8 | 215 | 0.006 | 0 | 0 | 0 | 589.98 | 588.69 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 714,929.85 | 3.69 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| F04017-F04007 | 8 | 304 | 0.007 | 8 | 5,372.92 | 0.78 | 517 | 515 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 748,627.91 | 3.86 |
| F08091-F08089 | 8 | 247 | 0.008 | 31 | 4,643.81 | 0.77 | 449 | 447 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 830,528.10 | 4.28 |
| E11023-E11021 | 8 | 390 | 0.005 | 8 | 8,556.69 | 0.78 | 407 | 405 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 660,952.88 | 3.41 |
| G03021-G03019 | 8 | 365 | 0.005 | 18.9 | 6,403.81 | 0.78 | 503 | 501 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 683,213.40 | 3.52 |
| F05159-F05125 | 8 | 266 | 0.011 | 8.4 | 2,722.99 | 0.79 | 496 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 980,184.02 | 5.06 |
| F04041-F05011 | 8 | 305 | 0.007 | 9 | 5,373.67 | 0.78 | 506 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 747,399.64 | 3.85 |
| D06047-D06045 | 8 | 316 | 0.003 | 10.5 | 12,050.09 | 0.77 | 557 | 556 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 519,211.46 | 2.68 |
| E12171-E12169 | 8 | 256 | 0.004 | 10.2 | 12,649.66 | 0.77 | 412 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| G04061-G04059 | 8 | 252 | 0.008 | 7.9 | 10,250.07 | 0.78 | 490 | 488 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 822,247.45 | 4.24 |
| C03011-C03009 | 12 | 287 | 0.017 | 2.3 | 2,488.91 | 0.79 | 655 | 650 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,591,770.27 | 6.95 |
| D08069-D08055 | 10 | 298 | 0.005 | 7.2 | 10,689.04 | 0.79 | 484.5 | 483 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,187,276.87 | 3.67 |
| F08057-F08055 | 8 | 199 | 0.005 | 7.4 | 5,969.57 | 0.78 | 443 | 442 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 654,276.42 | 3.37 |
| G08023-G08013 | 8 | 318 | 0.003 | 12.5 | 10,991.99 | 0.77 | 438 | 437 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 517,576.14 | 2.67 |
| G04069-H04035 | 8 | 247 | 0.012 | 6.5 | 6,169.30 | 0.78 | 475 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,017,185.03 | 5.25 |
| G14015-G14013 | 8 | 332 | 0.012 | 3.9 | 2,433.38 | 0.78 | 422 | 418 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,013,091.71 | 5.22 |
| G09141-G09139 | 8 | 482 | 0.004 | 9.8 | 11,788.78 | 0.78 | 420 | 418 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 594,537.55 | 3.07 |
| F03035-F03033 | 8 | 366 | 0.005 | 7.6 | 6,718.04 | 0.78 | 523 | 521 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 682,279.41 | 3.52 |
| J13003-J13001 | 8 | 222 | 0.005 | 11 | 7,610.67 | 0.78 | 337 | 336 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 619,457.22 | 3.19 |
| G14003-G14001 | 8 | 172 | 0.012 | 6.7 | 2,079.77 | 0.79 | 408 | 406 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 995,264.66 | 5.13 |
| L13029-L13027 | 8 | 99 | 0.005 | 8.2 | 8,062.78 | 0.78 | 330.5 | 330 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,926.55 | 3.38 |
| D16055-D16005 | 8 | 359 | 0.006 | 14 | 7,373.17 | 0.78 | 488 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 688,899.04 | 3.55 |
| G14079-G14077 | 8 | 258 | 0.013 | 4.2 | 1,836.65 | 0.78 | 427 | 423.74 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,037,496.77 | 5.35 |
| C07027-C07025 | 8 | 170 | 0.012 | 4.1 | 2,904.98 | 0.79 | 515 | 513 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,001,102.04 | 5.16 |
| F04065-F05007 | 8 | 304 | 0.007 | 9.8 | 5,379.65 | 0.78 | 502 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 748,627.91 | 3.86 |
| F03027-F03025 | 8 | 364 | 0.005 | 9.1 | 6,725.84 | 0.78 | 520 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 684,151.23 | 3.53 |
| D16053-D16011 | 8 | 149 | 0.007 | 16.7 | 5,781.87 | 0.79 | 490 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 756,126.87 | 3.90 |
| F08053-G08021 | 8 | 300 | 0.003 | 10.1 | 10,088.54 | 0.77 | 441 | 440 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 532,877.25 | 2.75 |
| D12059-D12057 | 8 | 194 | 0.008 | 5.3 | 4,571.38 | 0.78 | 445.14 | 443.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 848,611.41 | 4.38 |
| F13117-F12119 | 8 | 202 | 0.015 | 4.5 | 2,374.12 | 0.79 | 413 | 410 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,124,793.38 | 5.80 |
| D02041-D02031 | 8 | 353 | 0.014 | 6.5 | 2,492.36 | 0.79 | 624 | 619 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,098,463.06 | 5.67 |
| H13073-H13071 | 12 | 241 | 0.003 | 6.6 | 12,738.91 | 0.79 | 376 | 375.32 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,445,474.50 | 2.80 |
| E18003-E18001 | 12 | 298 | 0.002 | 13.7 | 44,748.02 | 0.78 | 517 | 516.5 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,114,657.31 | 2.16 |
| H09001-H10029 | 8 | 347 | 0.006 | 6.6 | 4,871.17 | 0.78 | 401 | 399 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 700,709.60 | 3.61 |
| F04195-F04183 | 8 | 0 | 0.008 | 9.8 | 4,081.76 | 0.79 | 528.84 | 527.54 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 831,954.34 | 4.29 |
| E11079-E11075 | 10 | 251 | 0.004 | 9.1 | 14,812.03 | 0.78 | 411 | 410 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,056,276.57 | 3.27 |
| H12053-H12051 | 8 | 224 | 0.01 | 4 | 2,277.38 | 0.77 | 368.38 | 366.1 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 931,174.82 | 4.80 |
| G05007-G05005 | 8 | 285 | 0.004 | 16 | 30,290.47 | 0.78 | 472 | 471 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 546,720.52 | 2.82 |
| D08087-D08085 | 8 | 326 | 0.009 | 4.7 | 3,621.61 | 0.78 | 463 | 460 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 885,400.24 | 4.57 |
| G12073-G12071 | 8 | 190 | 0.005 | 11.4 | 5,812.04 | 0.79 | 386 | 385 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 669,593.16 | 3.45 |
| D10051-D10049 | 8 | 158 | 0.006 | 5.8 | 4,530.93 | 0.79 | 470 | 469 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 734,275.88 | 3.79 |
| G07063-G07061 | 8 | 352 | 0.006 | 8.2 | 6,708.99 | 0.79 | 459 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 695,715.17 | 3.59 |
| G15001-G14019 | 8 | 199 | 0.015 | 2.9 | 1,562.65 | 0.79 | 433 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,133,240.00 | 5.84 |
| F07105-F07103 | 8 | 323 | 0.003 | 13.1 | 16,624.89 | 0.79 | 480 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 513,554.51 | 2.65 |
| D13093-D13091 | 8 | 214 | 0.023 | 3.1 | 1,360.44 | 0.8 | 455 | 450 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,410,801.53 | 7.28 |
| E05165-E05161 | 8 | 343 | 0.02 | 3.6 | 1,363.96 | 0.79 | 530 | 523 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,318,529.25 | 6.80 |
| G09107-G09105 | 8 | 90 | 0.006 | 7.1 | 5,507.49 | 0.79 | 403.5 | 403 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 687,941.57 | 3.55 |
| F10083-F10081 | 8 | 265 | 0.008 | 5.4 | 3,574.90 | 0.78 | 412 | 410 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 801,825.51 | 4.14 |
| D11071-D12059 | 8 | 131 | 0.008 | 5.3 | 4,580.60 | 0.79 | 446.24 | 445.14 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 845,762.65 | 4.36 |
| E18019-E18017 | 12 | 152 | 0.003 | 8 | 19,756.15 | 0.79 | 521.5 | 521 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,560,729.74 | 3.02 |
| J08083-J08081 | 10 | 272 | 0.003 | 14.1 | 36,074.78 | 0.79 | 398.87 | 398.17 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 848,944.07 | 2.63 |
| F03009-F03007 | 8 | 339 | 0.012 | 4 | 3,019.89 | 0.8 | 520 | 516 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,002,577.50 | 5.17 |
| F05151-F05145 | 8 | 260 | 0.012 | 5.5 | 3,034.58 | 0.8 | 505 | 502 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 991,429.33 | 5.11 |
| G05009-G05007 | 8 | 254 | 0.004 | 15.3 | 26,635.62 | 0.79 | 473 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 579,123.18 | 2.99 |
| E04061-E04059 | 8 | 264 | 0.008 | 6.2 | 5,032.65 | 0.78 | 549 | 547 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 803,342.68 | 4.14 |
| F13013-F12021 | 8 | 131 | 0.008 | 5.5 | 4,111.63 | 0.78 | 400 | 399 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 806,403.05 | 4.16 |
| F02074-F02072 | 8 | 216.6 | 0.008 | 5.2 | 4,187.78 | 0.78 | 537.79 | 536.24 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 804,523.20 | 4.15 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| F09117-F09115 | 8 | 306 | 0.007 | 6.5 | 4,575.83 | 0.8 | 433 | 431 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 746,177.40 | 3.85 |
| K09003-K09001 | 12 | 301 | 0.005 | 11.5 | 43,546.18 | 0.77 | 379.69 | 378.26 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,875,639.06 | 3.63 |
| J08081-J08079 | 10 | 294 | 0.003 | 14.1 | 36,819.64 | 0.79 | 398.17 | 397.4 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 856,418.83 | 2.65 |
| D15061-D15059 | 8 | 34 | 0.01 | 5.5 | 3,831.98 | 0.81 | 494.04 | 493.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 922,970.47 | 4.76 |
| E14027-E15029 | 8 | 227 | 0.004 | 22.2 | 11,804.00 | 0.79 | 450 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 612,597.02 | 3.16 |
| G03017-G03015 | 8 | 353 | 0.008 | 5.5 | 4,061.74 | 0.79 | 507 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 850,865.83 | 4.39 |
| C05023-D05091 | 8 | 286 | 0.017 | 3.1 | 1,871.70 | 0.76 | 606 | 601 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,220,365.14 | 6.29 |
| L13031-L13029 | 8 | 97 | 0.005 | 7.8 | 8,081.13 | 0.79 | 331 | 330.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 662,654.18 | 3.42 |
| D18001-D17075 | 12 | 308 | 0.002 | 18.2 | 68,524.14 | 0.79 | 513 | 512.5 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,096,412.91 | 2.12 |
| J15017-J15015 | 8 | 280 | 0.004 | 10.4 | 10,535.14 | 0.79 | 344 | 343 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 551,580.36 | 2.84 |
| F04131-F04129 | 8 | 302 | 0.017 | 4 | 1,704.95 | 0.76 | 524.01 | 519 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,188,784.68 | 6.13 |
| H14021-H13001 | 8 | 257 | 0.004 | 13.6 | 9,911.69 | 0.79 | 393 | 392 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 575,733.16 | 2.97 |
| E05043-E05041 | 8 | 435 | 0.011 | 6 | 3,363.96 | 0.8 | 539 | 534 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 989,528.21 | 5.10 |
| F06115-F06113 | 10 | 230 | 0.002 | 13.7 | 31,322.54 | 0.79 | 481.5 | 481 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 780,253.26 | 2.41 |
| F12123-F12121 | 8 | 228 | 0.004 | 10 | 12,788.61 | 0.79 | 403 | 402 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 611,252.13 | 3.15 |
| F04077-F04075 | 8 | 167 | 0.009 | 5.7 | 4,346.17 | 0.79 | 522.85 | 521.4 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 860,029.94 | 4.44 |
| F07057-F07055 | 8 | 296 | 0.005 | 9 | 10,924.73 | 0.79 | 467.5 | 466 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 657,033.60 | 3.39 |
| G08031-G08029 | 8 | 246 | 0.004 | 8.5 | 8,715.04 | 0.79 | 431 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 588,464.48 | 3.03 |
| E03105-E03103 | 8 | 211 | 0.005 | 11.6 | 10,422.72 | 0.78 | 569 | 568 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 635,399.08 | 3.28 |
| F05033-F05031 | 8 | 307 | 0.01 | 39.3 | 3,426.34 | 0.81 | 500 | 497 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 912,387.33 | 4.71 |
| E07121-E07119 | 8 | 273 | 0.007 | 7.4 | 5,665.09 | 0.78 | 481 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 789,989.80 | 4.07 |
| G03061-G03059 | 8 | 351 | 0.009 | 5.3 | 4,065.50 | 0.8 | 510 | 507 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 853,286.50 | 4.40 |
| H11141-H11139 | 8 | 259 | 0.004 | 11.1 | 10,072.34 | 0.79 | 377 | 376 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 573,505.95 | 2.96 |
| G03057-G03055 | 8 | 351 | 0.009 | 5.3 | 4,068.12 | 0.8 | 511 | 508 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 853,286.50 | 4.40 |
| C03061-C03059 | 8 | 280 | 0.025 | 2.5 | 1,248.78 | 0.81 | 643 | 636 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,459,344.45 | 7.53 |
| F15137-F15135 | 8 | 160 | 0.013 | 5.2 | 3,059.21 | 0.8 | 459 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,031,912.36 | 5.32 |
| D10095-D09023 | 8 | 305 | 0.007 | 11.2 | 4,506.91 | 0.79 | 454 | 452 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 747,399.64 | 3.85 |
| D13111-D13065 | 10 | 222 | 0.011 | 7.1 | 3,665.67 | 0.8 | 432 | 429.5 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,775,857.14 | 5.50 |
| G13125-G13123 | 8 | 277 | 0.01 | 4.4 | 2,458.77 | 0.78 | 380.9 | 378 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 944,380.31 | 4.87 |
| J15029-J15027 | 8 | 93 | 0.011 | 4.1 | 2,876.86 | 0.78 | 334 | 333 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 957,075.80 | 4.94 |
| H06015-H06013 | 8 | 139 | 0.014 | 15.8 | 2,323.30 | 0.8 | 443 | 441 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,107,121.81 | 5.71 |
| F05035-F05033 | 8 | 179 | 0.017 | 3.7 | 1,730.15 | 0.81 | 503 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,194,873.47 | 6.16 |
| E12167-E12165 | 8 | 249 | 0.004 | 11 | 14,634.35 | 0.8 | 409 | 408 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 584,908.77 | 3.02 |
| E12135-E12133 | 8 | 224 | 0.009 | 6.2 | 5,068.98 | 0.8 | 410 | 408 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 872,125.12 | 4.50 |
| F07041-F07039 | 8 | 335 | 0.006 | 9.3 | 8,111.42 | 0.8 | 464 | 462 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 713,149.20 | 3.68 |
| E06031-E06029 | 6 | 260 | 0.012 | 7.9 | 2,460.05 | 0.79 | 494 | 491 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 460,353.87 | 3.56 |
| E12165-E12163 | 8 | 247 | 0.004 | 11.3 | 15,284.06 | 0.8 | 408 | 407 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,272.05 | 3.03 |
| G08087-G08069 | 8 | 239 | 0.008 | 42.5 | 5,158.88 | 0.81 | 444 | 442 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 844,313.74 | 4.35 |
| F05013-F05011 | 8 | 260 | 0.004 | 11 | 11,971.64 | 0.8 | 505 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 572,401.99 | 2.95 |
| F14037-F14031 | 8 | 386 | 0.014 | 3.9 | 2,008.02 | 0.8 | 441 | 435.61 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,090,657.87 | 5.62 |
| F07161-F07159 | 8 | 59 | 0.017 | 4.3 | 2,070.86 | 0.77 | 465 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,201,605.21 | 6.20 |
| F18015-F18013 | 8 | 329 | 0.006 | 7.2 | 7,454.96 | 0.8 | 538 | 536 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 719,622.70 | 3.71 |
| G07085-G07083 | 8 | 270 | 0.004 | 11.5 | 13,791.80 | 0.8 | 453 | 452 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 561,701.94 | 2.90 |
| E03061-E03059 | 8 | 327 | 0.012 | 5.8 | 3,346.92 | 0.81 | 578 | 574 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,020,807.67 | 5.26 |
| D13073-D13071 | 8 | 256 | 0.002 | 18.7 | 31,108.47 | 0.8 | 431 | 430.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 407,899.17 | 2.10 |
| D15033-D14001 | 8 | 233 | 0.004 | 10.6 | 11,468.11 | 0.8 | 458 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 604,658.06 | 3.12 |
| E05039-E05037 | 8 | 269 | 0.004 | 11 | 13,473.34 | 0.8 | 532 | 531 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 562,745.03 | 2.90 |
| F03192-F03191 | 8 | 202 | 0.012 | 4.1 | 2,727.92 | 0.81 | 536.52 | 534.05 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,020,611.83 | 5.26 |
| E04107-E04105 | 8 | 277 | 0.011 | 12.5 | 3,363.96 | 0.78 | 553 | 550 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 960,524.73 | 4.95 |
| D13031-D13029 | 8 | 101 | 0.01 | 5.1 | 4,029.71 | 0.82 | 429 | 428 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 918,389.95 | 4.74 |
| G08005-G08003 | 8 | 390 | 0.01 | 4.8 | 2,758.60 | 0.82 | 441 | 437 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 934,728.53 | 4.82 |
| D01045-D02057 | 8 | 249 | 0.012 | 10.5 | 3,382.22 | 0.81 | 611 | 608 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,013,091.71 | 5.22 |
| E13105-E13103 | 8 | 316 | 0.006 | 9.9 | 6,685.96 | 0.81 | 432 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 734,275.88 | 3.79 |
| D07017-D07015 | 8 | 281 | 0.011 | 4.6 | 3,459.30 | 0.78 | 500 | 497 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 953,663.75 | 4.92 |
| D02103-D02101 | 8 | 162 | 0.006 | 9.1 | 7,185.52 | 0.8 | 618 | 617 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 725,154.09 | 3.74 |
| F06117-F06115 | 10 | 229 | 0.002 | 13.6 | 31,075.23 | 0.8 | 482 | 481.5 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 781,955.02 | 2.42 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| G13123-H13087 | 8 | 271 | 0.007 | 9.4 | 4,019.40 | 0.81 | 378 | 376 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 792,899.53 | 4.09 |
| L14075-L14053 | 8 | 197 | 0.003 | 51 | 16,365.00 | 0.8 | 313.5 | 313 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 464,985.81 | 2.40 |
| E12163-E12161 | 8 | 249 | 0.004 | 11.7 | 16,275.47 | 0.8 | 407 | 406 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 584,908.77 | 3.02 |
| H11159-H11157 | 8 | 335 | 0.006 | 6.6 | 5,361.62 | 0.81 | 381 | 379 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 713,149.20 | 3.68 |
| D03115-D03113 | 8 | 207 | 0.01 | 6 | 4,449.34 | 0.8 | 579 | 577 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 907,230.48 | 4.68 |
| L13023-L13021 | 8 | 166 | 0.006 | 24.9 | 7,997.08 | 0.8 | 329 | 328 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 716,364.02 | 3.69 |
| E06035-E06033 | 8 | 231 | 0.004 | 17.5 | 9,716.34 | 0.81 | 494 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 607,269.99 | 3.13 |
| H13045-H13043 | 6 | 39 | 0.008 | 7.7 | 3,176.19 | 0.81 | 373.5 | 373.2 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 375,877.36 | 2.91 |
| L13039-L13037 | 8 | 101 | 0.005 | 8.1 | 8,404.20 | 0.81 | 332.5 | 332 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 649,399.76 | 3.35 |
| C07057-C07055 | 8 | 254 | 0.012 | 4.8 | 3,370.04 | 0.81 | 518 | 515 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,003,070.77 | 5.17 |
| F07145-F07143 | 8 | 318 | 0.013 | 5.4 | 3,121.11 | 0.82 | 468 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,035,152.28 | 5.34 |
| H11123-H11121 | 8 | 337 | 0.018 | 5 | 1,379.30 | 0.77 | 381 | 375 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,231,539.89 | 6.35 |
| H07025-H07023 | 12 | 258 | 0.003 | 8.2 | 18,739.27 | 0.81 | 436.77 | 436 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,486,620.12 | 2.88 |
| D02035-D02033 | 8 | 251 | 0.008 | 9.1 | 5,295.35 | 0.8 | 622 | 620 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 823,883.76 | 4.25 |
| D14027-D13047 | 8 | 202 | 0.005 | 8.7 | 10,150.20 | 0.81 | 449 | 448 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 649,399.76 | 3.35 |
| G13033-G13031 | 8 | 162 | 0.012 | 11.8 | 2,255.45 | 0.82 | 393 | 391 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,025,522.75 | 5.29 |
| C07025-C07023 | 8 | 167 | 0.012 | 9.2 | 3,278.11 | 0.82 | 513 | 511 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,010,053.95 | 5.21 |
| F13123-F12131 | 8 | 233 | 0.009 | 6.8 | 5,742.78 | 0.82 | 411 | 409 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 855,115.63 | 4.41 |
| F02084-F02082 | 8 | 216 | 0.006 | 6.7 | 6,108.73 | 0.81 | 540.4 | 539.1 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 738,603.68 | 3.81 |
| F06051-F07103 | 8 | 330 | 0.009 | 9.5 | 4,646.88 | 0.81 | 482 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 880,017.82 | 4.54 |
| D03057-D03055 | 8 | 260 | 0.015 | 18.6 | 2,494.45 | 0.81 | 591 | 587 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,144,803.98 | 5.90 |
| D14125-D14119 | 8 | 67 | 0.015 | 4.8 | 2,710.20 | 0.81 | 473 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,127,587.90 | 5.82 |
| G07023-G08097 | 8 | 128 | 0.004 | 10.6 | 13,274.40 | 0.81 | 447.5 | 447 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| E15027-E15001 | 8 | 192 | 0.016 | 17.5 | 2,380.77 | 0.82 | 458 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,153,713.09 | 5.95 |
| E18069-E18067 | 8 | 260 | 0.007 | 6.8 | 6,462.09 | 0.81 | 547.75 | 546.02 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 752,877.27 | 3.88 |
| F12019-F12017 | 8 | 232 | 0.006 | 12.9 | 6,379.31 | 0.81 | 398 | 396.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 690,900.47 | 3.56 |
| C06061-C06059 | 8 | 293 | 0.017 | 4.8 | 1,786.10 | 0.82 | 546 | 541 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,205,699.27 | 6.22 |
| J08065-J08063 | 10 | 301 | 0.003 | 15.8 | 43,546.40 | 0.8 | 394.14 | 393.38 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 840,887.81 | 2.60 |
| H06057-H06055 | 8 | 350 | 0.006 | 7.9 | 6,662.12 | 0.81 | 441 | 439 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 697,700.10 | 3.60 |
| F06001-F07059 | 8 | 141 | 0.007 | 7.2 | 7,926.16 | 0.81 | 469 | 468 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 777,281.36 | 4.01 |
| L13025-L13023 | 8 | 83 | 0.006 | 7.5 | 8,011.25 | 0.81 | 329.5 | 329 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 716,364.02 | 3.69 |
| K11039-K11037 | 8 | 321 | 0.003 | 11.1 | 13,487.01 | 0.81 | 356 | 355 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 515,151.88 | 2.66 |
| D13091-D13089 | 8 | 303 | 0.013 | 4.6 | 3,056.45 | 0.81 | 450 | 446 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,060,465.36 | 5.47 |
| G08127-G08125 | 8 | 337 | 0.006 | 9.2 | 7,771.90 | 0.81 | 441 | 439 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 711,029.88 | 3.67 |
| F14131-F13083 | 8 | 178 | 0.025 | 4.6 | 1,360.44 | 0.82 | 426.11 | 421.59 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,470,777.66 | 7.59 |
| J07139-J07137 | 8 | 295 | 0.006 | 6.8 | 6,291.07 | 0.82 | 423.29 | 421.39 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 740,719.20 | 3.82 |
| H11057-H11055 | 8 | 290 | 0.007 | 5.6 | 4,593.80 | 0.81 | 383 | 381 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 766,485.26 | 3.95 |
| E04005-E04003 | 8 | 404 | 0.012 | 5.1 | 3,359.03 | 0.82 | 554 | 549 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,026,791.17 | 5.30 |
| L13041-L13039 | 8 | 101 | 0.005 | 8 | 8,514.10 | 0.81 | 333 | 332.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 649,399.76 | 3.35 |
| F15067-F15065 | 8 | 223 | 0.013 | 7.2 | 3,053.62 | 0.82 | 463 | 460 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,070,523.00 | 5.52 |
| K12041-K12039 | 8 | 253 | 0.004 | 9.6 | 10,202.68 | 0.81 | 348 | 347 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 580,266.56 | 2.99 |
| F14031-F14029 | 8 | 65 | 0.009 | 6.9 | 3,560.89 | 0.81 | 435.61 | 435 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 894,120.49 | 4.61 |
| J11115-J11091 | 8 | 331 | 0.003 | 14.3 | 22,477.70 | 0.82 | 373 | 372 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 507,310.45 | 2.62 |
| L13137-L13135 | 8 | 280 | 0.004 | 10.7 | 11,603.27 | 0.8 | 320 | 319 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 551,580.36 | 2.84 |
| G13101-G13097 | 8 | 227 | 0.004 | 17.9 | 7,340.74 | 0.82 | 391 | 390 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 612,597.02 | 3.16 |
| L14027-L14025 | 8 | 276 | 0.004 | 9.9 | 11,473.72 | 0.81 | 314 | 313 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 555,562.94 | 2.87 |
| J11127-J11125 | 8 | 354 | 0.006 | 9.6 | 8,513.11 | 0.82 | 379 | 377 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 693,747.09 | 3.58 |
| G08129-G08123 | 12 | 326 | 0.003 | 8.9 | 24,760.75 | 0.81 | 439 | 438 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,507,147.29 | 2.91 |
| G07059-G07057 | 8 | 213 | 0.005 | 10.9 | 10,596.67 | 0.82 | 456 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 632,408.95 | 3.26 |
| G02003-F02037 | 8 | 330 | 0.013 | 7.7 | 2,663.53 | 0.83 | 528.51 | 524.22 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,052,348.25 | 5.43 |
| E17011-E17009 | 8 | 250 | 0.004 | 12.2 | 13,357.59 | 0.82 | 505 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 583,737.78 | 3.01 |
| F05093-F05091 | 8 | 388 | 0.01 | 5.6 | 3,712.33 | 0.83 | 519 | 515 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 937,134.53 | 4.83 |
| F14115-F14107 | 8 | 255 | 0.008 | 17.8 | 6,089.06 | 0.81 | 440 | 438 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 817,396.39 | 4.22 |
| C06069-C06067 | 8 | 118 | 0.076 | 1.2 | 283.26 | 0.83 | 584 | 575 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,548,989.57 | 13.15 |
| D03027-D03025 | 8 | 306 | 0.023 | 3 | 1,560.98 | 0.82 | 627 | 620 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,395,970.09 | 7.20 |
| G07057-G07051 | 8 | 335 | 0.003 | 12.9 | 17,858.08 | 0.82 | 455 | 454 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 504,272.64 | 2.60 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| G14069-G14067 | 8 | 110 | 0.005 | 10.5 | 8,429.11 | 0.82 | 416 | 415.48 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 634,589.87 | 3.27 |
| E12161-E12159 | 8 | 249 | 0.004 | 11.9 | 17,606.87 | 0.81 | 406 | 405 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 584,908.77 | 3.02 |
| F12117-F12115 | 8 | 213 | 0.009 | 5.7 | 5,074.12 | 0.82 | 409 | 407 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 894,361.31 | 4.61 |
| K13013-K13009 | 8 | 263 | 0.003 | 11.4 | 14,512.72 | 0.82 | 323.4 | 322.54 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 527,787.57 | 2.72 |
| F08055-F08053 | 8 | 219 | 0.005 | 8.8 | 8,260.98 | 0.82 | 442 | 441 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 623,685.65 | 3.22 |
| K14065-K14063 | 8 | 246 | 0.004 | 9.8 | 10,925.48 | 0.82 | 332 | 331 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 588,464.48 | 3.03 |
| F08039-F08037 | 8 | 241 | 0.012 | 5 | 2,481.36 | 0.83 | 440 | 437 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,029,769.24 | 5.31 |
| F04025-F04023 | 12 | 349 | 0.011 | 3 | 4,358.84 | 0.83 | 512 | 508 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,913,277.00 | 5.63 |
| D02067-D02065 | 8 | 327 | 0.021 | 4.9 | 1,873.17 | 0.85 | 620 | 613 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,350,401.62 | 6.96 |
| J12047-J12045 | 8 | 416 | 0.005 | 11.2 | 12,617.59 | 0.82 | 363 | 361 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 639,964.88 | 3.30 |
| D07021-D07019 | 8 | 346 | 0.017 | 3.1 | 1,968.88 | 0.83 | 512 | 506 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,215,417.21 | 6.27 |
| G08119-G08117 | 12 | 226 | 0.002 | 11.7 | 37,123.29 | 0.82 | 436.5 | 436 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,279,956.71 | 2.48 |
| H09011-H09009 | 8 | 299 | 0.002 | 22.5 | 42,976.91 | 0.82 | 408.53 | 408 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 388,588.68 | 2.00 |
| D08071-D08069 | 10 | 228 | 0.007 | 6.3 | 9,081.69 | 0.82 | 486 | 484.5 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,357,352.71 | 4.20 |
| G09129-G09127 | 8 | 210 | 0.005 | 10.1 | 11,620.28 | 0.82 | 418 | 417 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 636,910.14 | 3.28 |
| G14071-G14069 | 8 | 208 | 0.005 | 7.9 | 8,012.24 | 0.82 | 417 | 416 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 639,964.88 | 3.30 |
| G14011-G14009 | 8 | 336 | 0.009 | 5 | 4,177.36 | 0.83 | 413 | 410 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 872,125.12 | 4.50 |
| H04029-H04001 | 8 | 248 | 0.008 | 14.9 | 12,034.60 | 0.81 | 470 | 468 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 828,851.95 | 4.27 |
| D02063-D02061 | 8 | 278 | 0.007 | 7.3 | 6,846.15 | 0.82 | 612 | 610 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 782,853.34 | 4.04 |
| F05089-F05087 | 8 | 249 | 0.004 | 10.8 | 11,514.34 | 0.82 | 511 | 510 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 584,908.77 | 3.02 |
| G14077-G14075 | 8 | 148 | 0.008 | 6.1 | 4,245.69 | 0.85 | 423.74 | 422.59 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 813,590.50 | 4.20 |
| K14085-L14039 | 8 | 281 | 0.007 | 6.9 | 5,624.87 | 0.83 | 321 | 319 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 778,663.19 | 4.02 |
| E03107-E03105 | 8 | 166 | 0.006 | 8.4 | 8,779.71 | 0.81 | 570 | 569 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 716,364.02 | 3.69 |
| J08063-J08033 | 10 | 291 | 0.003 | 15.5 | 43,622.20 | 0.81 | 394.87 | 394.14 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 838,164.85 | 2.59 |
| C07035-C07033 | 8 | 174 | 0.017 | 3.1 | 1,971.59 | 0.83 | 521 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,211,919.60 | 6.25 |
| D13085-D13083 | 8 | 180 | 0.022 | 3.1 | 1,700.55 | 0.83 | 449 | 445 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,375,883.14 | 7.10 |
| E05167-E05157 | 8 | 343 | 0.023 | 4.8 | 1,363.96 | 0.83 | 528 | 520 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,409,567.06 | 7.27 |
| H14023-H14021 | 8 | 219 | 0.005 | 8.8 | 9,160.33 | 0.82 | 394 | 393 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 623,685.65 | 3.22 |
| E03111-E03107 | 8 | 216 | 0.009 | 6.7 | 5,458.30 | 0.8 | 572 | 570 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 888,128.75 | 4.58 |
| G08025-G08011 | 8 | 252 | 0.004 | 13.9 | 10,980.77 | 0.82 | 435 | 434 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 581,416.75 | 3.00 |
| L13043-L13041 | 8 | 99 | 0.005 | 8 | 8,622.48 | 0.83 | 333.5 | 333 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,926.55 | 3.38 |
| F03189-F03187 | 8 | 0 | 0.015 | 4.3 | 2,374.62 | 0.83 | 536.79 | 532.43 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,125,893.32 | 5.81 |
| G14001-G13061 | 8 | 318 | 0.003 | 12.8 | 10,892.20 | 0.83 | 406 | 405 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 517,576.14 | 2.67 |
| C03051-D03035 | 8 | 327 | 0.028 | 2.7 | 1,248.78 | 0.84 | 634 | 625 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,531,211.51 | 7.90 |
| C07093-C07091 | 8 | 287 | 0.003 | 11.4 | 15,032.58 | 0.82 | 525 | 524 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 544,812.24 | 2.81 |
| C03053-D03045 | 8 | 290 | 0.028 | 2.9 | 1,248.78 | 0.84 | 637 | 629 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,532,970.51 | 7.91 |
| F04129-F04127 | 8 | 260 | 0.009 | 7.2 | 4,412.29 | 0.84 | 519 | 516.66 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 875,606.67 | 4.52 |
| G05127-G05111 | 8 | 267 | 0.007 | 6.8 | 5,712.41 | 0.83 | 489 | 487 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 798,816.77 | 4.12 |
| C05009-C05007 | 8 | 361 | 0.039 | 2.6 | 936.59 | 0.83 | 624 | 610 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,817,599.62 | 9.37 |
| G09077-G09075 | 8 | 320 | 0.003 | 12.8 | 12,244.68 | 0.83 | 402 | 401 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 515,956.18 | 2.66 |
| E11025-E11023 | 8 | 388 | 0.008 | 7.1 | 6,205.89 | 0.84 | 410 | 407 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 811,582.31 | 4.19 |
| J14009-J14007 | 8 | 275 | 0.004 | 11.3 | 11,977.05 | 0.82 | 333 | 332 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 556,572.14 | 2.87 |
| J11119-J11117 | 8 | 328 | 0.003 | 13.6 | 20,221.92 | 0.82 | 376 | 375 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 509,625.19 | 2.63 |
| F10007-F10005 | 8 | 250 | 0.008 | 42.8 | 5,415.39 | 0.82 | 414 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 825,529.89 | 4.26 |
| G08021-G08015 | 8 | 298 | 0.003 | 12.5 | 12,824.89 | 0.83 | 440 | 439 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 534,662.44 | 2.76 |
| C06025-C06021 | 8 | 189 | 0.011 | 6.2 | 3,690.08 | 0.84 | 556 | 554 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 949,449.57 | 4.90 |
| E02064-E02062 | 8 | 261.1 | 0.004 | 9.3 | 11,065.14 | 0.83 | 559.45 | 558.3 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 612,655.69 | 3.16 |
| F17033-F17030 | 8 | 49 | 0.004 | 12.6 | 19,128.98 | 0.82 | 516.41 | 516.23 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 559,404.58 | 2.89 |
| D16075-D16073 | 8 | 199 | 0.005 | 9.4 | 10,324.08 | 0.83 | 481 | 480 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 654,276.42 | 3.37 |
| D03089-D03087 | 8 | 313 | 0.013 | 19 | 3,734.90 | 0.84 | 594 | 590 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,043,387.51 | 5.38 |
| H13085-H13059 | 8 | 380 | 0.018 | 5.7 | 1,386.51 | 0.8 | 376 | 369 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,252,694.09 | 6.46 |
| E08077-E08075 | 12 | 411 | 0.002 | 9.9 | 27,405.21 | 0.83 | 458 | 457 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,342,281.45 | 2.60 |
| E06077-E06075 | 8 | 247 | 0.008 | 6.2 | 4,920.11 | 0.82 | 514 | 512 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 830,528.10 | 4.28 |
| F15135-F15133 | 8 | 257 | 0.008 | 6.3 | 6,445.47 | 0.85 | 457 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 814,209.65 | 4.20 |
| F02072-F02070 | 8 | 0 | 0.01 | 8.3 | 4,153.45 | 0.83 | 536.24 | 535.09 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 903,537.34 | 4.66 |
| E16049-E15079 | 8 | 280 | 0.011 | 4.9 | 4,287.79 | 0.85 | 482 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 955,365.20 | 4.93 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| F18039-F18031 | 8 | 249 | 0.008 | 12.3 | 6,421.51 | 0.82 | 546 | 544 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 827,185.92 | 4.27 |
| E08067-E08057 | 15 | 441 | 0.002 | 11.6 | 30,468.33 | 0.83 | 465 | 464 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,349,480.82 | 3.03 |
| E04043-E04041 | 8 | 136 | 0.015 | 7.6 | 2,803.30 | 0.84 | 547 | 545 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,119,266.10 | 5.77 |
| G05109-G05095 | 8 | 292 | 0.003 | 26.9 | 15,593.55 | 0.84 | 483 | 482 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 540,127.61 | 2.79 |
| F02083-F02082 | 8 | 121 | 0.017 | 5 | 2,045.94 | 0.84 | 540.6 | 539.1 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,191,549.76 | 6.15 |
| J06047-J07139 | 8 | 288 | 0.006 | 6.7 | 6,529.99 | 0.83 | 425.15 | 423.29 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 741,733.74 | 3.83 |
| E12035-E12033 | 10 | 287 | 0.003 | 18.3 | 20,986.74 | 0.82 | 416 | 415 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 987,810.32 | 3.06 |
| D07039-D07011 | 8 | 269 | 0.015 | 5.1 | 2,714.97 | 0.83 | 495 | 491 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,125,490.06 | 5.80 |
| D15063-D15059 | 8 | 137 | 0.039 | 4.1 | 1,020.33 | 0.84 | 499 | 493.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,815,371.27 | 9.36 |
| G09099-G09097 | 8 | 290 | 0.007 | 10 | 5,012.23 | 0.83 | 404 | 402 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 766,485.26 | 3.95 |
| E07109-F07107 | 8 | 328 | 0.006 | 9.5 | 9,647.16 | 0.84 | 482.9 | 481 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 702,469.84 | 3.62 |
| E09095-E09077 | 8 | 53 | 0.009 | 41.5 | 4,001.35 | 0.84 | 424.5 | 424 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 896,468.17 | 4.62 |
| K14063-K14061 | 8 | 263 | 0.004 | 10.5 | 12,379.04 | 0.82 | 331 | 330 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 569,127.97 | 2.94 |
| H06059-H07019 | 8 | 361 | 0.004 | 10.6 | 12,891.15 | 0.83 | 441.6 | 440.31 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 551,733.13 | 2.85 |
| F05125-F05119 | 8 | 325 | 0.003 | 13 | 18,489.71 | 0.83 | 493 | 492 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 511,971.90 | 2.64 |
| E17007-E17003 | 8 | 147 | 0.014 | 5.9 | 3,256.47 | 0.85 | 526 | 524 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,076,574.62 | 5.55 |
| E08023-E08021 | 15 | 332 | 0.009 | 4.2 | 5,839.67 | 0.84 | 451 | 448 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,690,107.37 | 6.05 |
| D10059-D10057 | 8 | 230 | 0.004 | 9.8 | 9,006.07 | 0.84 | 449 | 448 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 608,588.71 | 3.14 |
| F07109-F07083 | 8 | 295 | 0.003 | 20.6 | 16,022.81 | 0.84 | 475 | 474 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 537,374.18 | 2.77 |
| E07127-E07125 | 8 | 247 | 0.004 | 11.4 | 14,305.89 | 0.84 | 476 | 475 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,272.05 | 3.03 |
| E11011-E11009 | 8 | 62 | 0.016 | 3.9 | 1,839.07 | 0.84 | 427 | 426 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,172,173.67 | 6.05 |
| D07019-D07017 | 8 | 344 | 0.017 | 3.8 | 2,246.13 | 0.84 | 506 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,218,945.28 | 6.29 |
| E13045-E12035 | 8 | 211 | 0.009 | 9.2 | 6,065.39 | 0.84 | 418 | 416 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 898,589.99 | 4.63 |
| E13111-E13059 | 8 | 301 | 0.01 | 18.8 | 5,076.95 | 0.84 | 415 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 921,436.02 | 4.75 |
| F06101-F06065 | 8 | 325 | 0.003 | 21.9 | 20,324.16 | 0.84 | 483 | 482 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 511,971.90 | 2.64 |
| G04001-G05013 | 8 | 256 | 0.008 | 9.9 | 14,032.69 | 0.85 | 478 | 476 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 815,798.35 | 4.21 |
| G09037-G09035 | 8 | 216 | 0.009 | 4.8 | 3,678.13 | 0.85 | 429 | 427 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 888,128.75 | 4.58 |
| F13115-F13113 | 8 | 171 | 0.006 | 7.8 | 8,591.07 | 0.84 | 418 | 417 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 705,813.16 | 3.64 |
| D11057-E11049 | 8 | 275 | 0.015 | 4.1 | 3,125.11 | 0.84 | 432 | 428 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,113,144.27 | 5.74 |
| E18065-E18063 | 8 | 167 | 0.006 | 7.7 | 8,794.75 | 0.84 | 544.15 | 543.1 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 731,853.61 | 3.77 |
| F07159-F07157 | 8 | 322 | 0.009 | 6.5 | 5,186.75 | 0.85 | 464 | 461 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 890,882.65 | 4.59 |
| J08017-J08015 | 8 | 174 | 0.004 | 12.3 | 14,822.82 | 0.83 | 402.2 | 401.55 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 564,117.88 | 2.91 |
| F04183-F04181 | 8 | 204 | 0.003 | 14.5 | 21,302.40 | 0.84 | 527.54 | 527 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 474,864.39 | 2.45 |
| J08021-J08019 | 8 | 301 | 0.003 | 11.4 | 14,946.83 | 0.84 | 404.35 | 403.31 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 542,526.84 | 2.80 |
| E15005-E15003 | 8 | 191 | 0.016 | 20.6 | 2,720.88 | 0.85 | 459 | 456 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,156,729.34 | 5.97 |
| D15035-D15033 | 8 | 136 | 0.008 | 7.9 | 6,423.45 | 0.83 | 459.12 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 837,582.06 | 4.32 |
| D12001-E12031 | 8 | 249 | 0.008 | 6.7 | 6,450.71 | 0.85 | 422 | 420 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 827,185.92 | 4.27 |
| K14005-K14003 | 8 | 308 | 0.006 | 8 | 6,844.22 | 0.84 | 327 | 325 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 743,750.80 | 3.84 |
| E17017-E16067 | 8 | 258 | 0.012 | 5.6 | 3,875.32 | 0.82 | 503 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 995,264.66 | 5.13 |
| E16079-E17021 | 8 | 147 | 0.003 | 13.2 | 19,947.24 | 0.84 | 499.5 | 499 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 538,287.31 | 2.78 |
| E06013-E06011 | 8 | 257 | 0.004 | 15.9 | 12,084.55 | 0.83 | 519 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 575,733.16 | 2.97 |
| F04031-G04133 | 8 | 298 | 0.01 | 5.7 | 4,658.98 | 0.84 | 504 | 501 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 926,062.51 | 4.78 |
| H10009-H10007 | 12 | 214 | 0.002 | 14.8 | 51,052.19 | 0.84 | 386.6 | 386.26 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,084,668.60 | 2.10 |
| J06057-J06047 | 8 | 303 | 0.006 | 6.9 | 6,795.00 | 0.85 | 427.04 | 425.15 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 728,949.42 | 3.76 |
| H07023-H07009 | 12 | 252 | 0.003 | 12.6 | 21,900.87 | 0.84 | 436 | 435.26 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,474,619.89 | 2.85 |
| H11067-H11065 | 8 | 116 | 0.005 | 7.6 | 7,770.71 | 0.85 | 385.6 | 385 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 663,795.70 | 3.42 |
| D04125-E04095 | 6 | 292 | 0.01 | 8 | 3,924.62 | 0.86 | 568 | 565 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 434,397.23 | 3.36 |
| D04123-E04093 | 6 | 292 | 0.01 | 8 | 3,924.62 | 0.86 | 571 | 568 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 434,397.23 | 3.36 |
| J08123-J08027 | 8 | 171 | 0.003 | 11.8 | 15,543.29 | 0.85 | 405.56 | 405 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 528,182.21 | 2.72 |
| E08021-E08019 | 8 | 284 | 0.004 | 11.7 | 13,342.00 | 0.85 | 448 | 447 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 547,682.21 | 2.82 |
| G14095-H14029 | 8 | 266 | 0.004 | 8.5 | 8,995.59 | 0.85 | 396.78 | 395.65 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 601,570.06 | 3.10 |
| E08069-E08047 | 8 | 278 | 0.007 | 18.8 | 6,140.20 | 0.84 | 463 | 461 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 782,853.34 | 4.04 |
| G11029-G11027 | 8 | 302 | 0.003 | 12.5 | 14,037.60 | 0.85 | 385 | 384 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 531,109.83 | 2.74 |
| J11033-J11031 | 8 | 330 | 0.005 | 32.1 | 10,485.86 | 0.85 | 378 | 376.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 622,266.57 | 3.21 |
| L13135-L13133 | 8 | 296 | 0.003 | 11.9 | 14,761.88 | 0.85 | 319 | 318 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 536,465.69 | 2.77 |
| D06049-D06047 | 8 | 317 | 0.006 | 8.8 | 7,317.66 | 0.85 | 559 | 557 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 733,116.80 | 3.78 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| F04143-F04141 | 8 | 20 | 0.05 | 13.7 | 681.98 | 0.84 | 519 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,063,824.72 | 10.64 |
| K12045-K11077 | 8 | 288 | 0.003 | 11.3 | 13,561.74 | 0.85 | 352 | 351 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 543,865.57 | 2.80 |
| D08085-D08083 | 8 | 152 | 0.013 | 4.9 | 3,610.82 | 0.86 | 460 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,058,719.74 | 5.46 |
| C07087-C07081 | 8 | 282 | 0.004 | 12.2 | 17,405.51 | 0.85 | 522 | 521 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 549,620.92 | 2.83 |
| D04071-D04069 | 8 | 175 | 0.017 | 21.8 | 2,477.74 | 0.86 | 574 | 571 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,208,452.02 | 6.23 |
| D16081-D15011 | 8 | 108 | 0.005 | 10.1 | 12,361.67 | 0.85 | 480.95 | 480.44 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 634,250.79 | 3.27 |
| E04041-E04035 | 8 | 264 | 0.004 | 12.4 | 16,032.26 | 0.84 | 545 | 544 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 568,049.06 | 2.93 |
| E02033-E02031 | 8 | 257 | 0.004 | 0 | 0 | 0 | 568.5 | 567.48 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 582,031.77 | 3.00 |
| G05147-G05145 | 8 | 306 | 0.02 | 39.1 | 1,802.55 | 0.82 | 490 | 484 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,292,417.17 | 6.67 |
| J11121-J11119 | 8 | 334 | 0.012 | 9.1 | 3,918.60 | 0.83 | 380 | 376 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,010,053.95 | 5.21 |
| F14095-F14085 | 8 | 253 | 0.012 | 9.1 | 4,401.70 | 0.84 | 440 | 437 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,005,051.17 | 5.18 |
| F13111-F13109 | 8 | 89 | 0.006 | 10.3 | 9,924.77 | 0.85 | 416 | 415.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 691,795.62 | 3.57 |
| G03023-G03021 | 8 | 349 | 0.011 | 5.7 | 3,720.08 | 0.87 | 507 | 503 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 988,109.53 | 5.10 |
| G07069-G07063 | 8 | 249 | 0.012 | 5.6 | 3,372.84 | 0.83 | 462 | 459 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,013,091.71 | 5.22 |
| C07053-C07051 | 8 | 328 | 0.003 | 14.6 | 23,346.86 | 0.85 | 513 | 512 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 509,625.19 | 2.63 |
| E15091-E15057 | 8 | 325 | 0.006 | 12.2 | 8,484.75 | 0.86 | 460 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 724,037.61 | 3.73 |
| E02049-E02047 | 8 | 253 | 0.008 | 0 | 0 | 0 | 588.69 | 586.57 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 844,880.87 | 4.36 |
| F13103-F13101 | 8 | 277 | 0.004 | 12.3 | 17,848.00 | 0.86 | 412 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 554,559.21 | 2.86 |
| E14137-E14135 | 10 | 331 | 0.006 | 6.5 | 10,663.90 | 0.86 | 442 | 440 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,300,814.92 | 4.03 |
| E18067-E18065 | 8 | 259 | 0.007 | 7.3 | 7,457.65 | 0.85 | 546.02 | 544.15 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 784,257.59 | 4.04 |
| D03069-D03067 | 8 | 275 | 0.007 | 7.4 | 8,645.61 | 0.84 | 610 | 608 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 787,111.86 | 4.06 |
| F12115-F12113 | 8 | 224 | 0.009 | 6.8 | 6,082.36 | 0.84 | 407 | 405 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 872,125.12 | 4.50 |
| E12033-E12025 | 10 | 246 | 0.004 | 86.5 | 21,277.99 | 0.85 | 415 | 414 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,066,957.09 | 3.30 |
| C05025-C05023 | 8 | 285 | 0.042 | 2.3 | 936.59 | 0.85 | 618 | 606 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,893,895.45 | 9.77 |
| E09051-E09047 | 8 | 283 | 0.014 | 6.5 | 2,610.13 | 0.86 | 442 | 438 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,097,297.99 | 5.66 |
| F04073-F04071 | 8 | 265 | 0.004 | 10.5 | 13,403.19 | 0.85 | 517.91 | 516.88 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 575,418.05 | 2.97 |
| K12053-K12051 | 8 | 362 | 0.003 | 13.8 | 19,818.88 | 0.85 | 347 | 346 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 485,102.51 | 2.50 |
| H04027-H04025 | 8 | 242 | 0.008 | 9 | 14,151.33 | 0.86 | 480 | 478 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 839,064.07 | 4.33 |
| H11021-H11019 | 8 | 201 | 0.01 | 96 | 3,675.11 | 0.86 | 370 | 368 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 920,671.66 | 4.75 |
| D14099-D14097 | 8 | 100 | 0.005 | 9.2 | 11,212.33 | 0.86 | 457 | 456.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 652,638.68 | 3.37 |
| G05067-H05035 | 8 | 247 | 0.012 | 8.3 | 8,349.02 | 0.84 | 467 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,017,185.03 | 5.25 |
| D14107-D14105 | 8 | 80 | 0.025 | 2.8 | 1,700.55 | 0.86 | 462 | 460 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,459,344.45 | 7.53 |
| C02088-C02086 | 8 | 0 | 0.025 | 3.9 | 2,205.92 | 0.86 | 660 | 653.57 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,471,407.73 | 7.59 |
| D08089-D08087 | 8 | 333 | 0.012 | 4.4 | 3,199.50 | 0.84 | 467 | 463 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,011,569.41 | 5.22 |
| E11019-F11015 | 8 | 388 | 0.005 | 9.8 | 13,243.22 | 0.86 | 402 | 400 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 662,654.18 | 3.42 |
| J14077-J14075 | 8 | 258 | 0.004 | 11.1 | 12,295.11 | 0.85 | 338 | 337 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 574,616.32 | 2.96 |
| E04065-E04059 | 8 | 125 | 0.016 | 5.2 | 2,803.30 | 0.86 | 549 | 547 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,167,475.56 | 6.02 |
| E08029-E08027 | 15 | 261 | 0.011 | 2.1 | 4,022.82 | 0.87 | 457 | 454 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,289,706.47 | 6.82 |
| C02067-C02065 | 8 | 274 | 0.011 | 5.8 | 4,673.46 | 0.86 | 632 | 629 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 965,768.76 | 4.98 |
| E04019-E04017 | 8 | 244 | 0.012 | 5.1 | 3,924.62 | 0.85 | 556 | 553 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,023,419.11 | 5.28 |
| K12063-K12061 | 8 | 350 | 0.003 | 12.8 | 17,422.23 | 0.86 | 368 | 367 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 493,348.47 | 2.54 |
| G08001-G09049 | 8 | 379 | 0.005 | 7.8 | 8,260.00 | 0.86 | 433 | 431 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 670,475.94 | 3.46 |
| F01021-F01019 | 8 | 193 | 0.007 | 0 | 0 | 0 | 537.31 | 535.9 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 788,894.10 | 4.07 |
| H14025-H14023 | 8 | 181 | 0.005 | 8.4 | 9,190.11 | 0.86 | 394.89 | 394 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 647,207.47 | 3.34 |
| F09011-F09005 | 8 | 256 | 0.013 | 5.2 | 2,640.35 | 0.84 | 425 | 421.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,031,912.36 | 5.32 |
| D07079-D07077 | 8 | 234 | 0.004 | 10.9 | 12,179.81 | 0.86 | 526 | 525 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 603,364.67 | 3.11 |
| F02173-F02171 | 8 | 88 | 0.007 | 6.7 | 329.7 | 0.31 | 548.69 | 548.05 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 769,810.59 | 3.97 |
| C07051-C07023 | 8 | 303 | 0.003 | 14.4 | 23,644.09 | 0.86 | 512 | 511 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 530,232.68 | 2.73 |
| E04087-E04085 | 8 | 335 | 0.006 | 14.6 | 9,425.59 | 0.86 | 561 | 559 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 713,149.20 | 3.68 |
| G08109-G08107 | 8 | 312 | 0.007 | 8.5 | 7,661.83 | 0.86 | 429 | 426.71 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 790,730.06 | 4.08 |
| E03079-E03077 | 8 | 267 | 0.011 | 12.1 | 4,472.06 | 0.86 | 556 | 553 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 978,346.74 | 5.05 |
| G11051-G11049 | 8 | 123 | 0.008 | 6 | 4,644.89 | 0.87 | 386 | 385 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 832,214.45 | 4.29 |
| L13019-L13017 | 10 | 281 | 0.004 | 100 | 326,605.79 | 0.85 | 324 | 323 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 998,300.64 | 3.09 |
| J11037-J11035 | 8 | 308 | 0.003 | 34.7 | 14,594.08 | 0.86 | 378 | 377 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 525,911.24 | 2.71 |
| F06011-F06007 | 8 | 200 | 0.01 | 6.3 | 5,179.38 | 0.87 | 474 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 922,970.47 | 4.76 |
| B01033-B01031 | 8 | 294 | 0.027 | 2.4 | 1,565.21 | 0.87 | 683.4 | 675.45 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,504,997.50 | 7.76 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| E05117-E05115 | 8 | 204 | 0.01 | 5.8 | 4,752.24 | 0.87 | 523 | 521 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 913,876.95 | 4.71 |
| K13025-K14067 | 8 | 263 | 0.008 | 7.3 | 6,047.18 | 0.87 | 335 | 333 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 804,868.50 | 4.15 |
| C03007-C04021 | 12 | 296 | 0.014 | 3.1 | 4,965.84 | 0.87 | 645 | 641 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,163,360.14 | 6.12 |
| H13023-H13021 | 8 | 125 | 0.002 | 15.4 | 20,982.54 | 0.86 | 372.3 | 372 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 452,161.34 | 2.33 |
| E08009-E08007 | 8 | 321 | 0.012 | 4.8 | 2,921.47 | 0.85 | 455 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,030,303.76 | 5.31 |
| G08035-G08033 | 8 | 252 | 0.008 | 6.1 | 5,052.77 | 0.87 | 435 | 433 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 822,247.45 | 4.24 |
| E16041-E16039 | 8 | 242 | 0.004 | 10.6 | 13,968.12 | 0.86 | 482 | 481 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 593,307.89 | 3.06 |
| F07093-F07091 | 8 | 247 | 0.004 | 11.9 | 16,617.01 | 0.86 | 479 | 478 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,272.05 | 3.03 |
| F17030-F17015 | 8 | 164 | 0.006 | 20.8 | 19,122.23 | 0.86 | 516.23 | 515.23 | | 0.3 | 609,839.03 | 3.15 |
| D01033-D01031 | 8 | 328 | 0.009 | 5.9 | 5,611.43 | 0.86 | 629 | 626 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 882,696.72 | 4.55 |
| C04013-C04011 | 8 | 246 | 0.028 | 3 | 1,558.79 | 0.88 | 633 | 626 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,556,930.67 | 8.03 |
| H11087-H11085 | 8 | 313 | 0.006 | 8.1 | 6,527.69 | 0.87 | 381 | 379 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 737,786.38 | 3.81 |
| D04021-D04019 | 8 | 273 | 0.018 | 4.3 | 2,495.86 | 0.87 | 607 | 602 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,249,083.54 | 6.44 |
| G15027-G14075 | 8 | 143 | 0.014 | 5.3 | 2,680.00 | 0.88 | 424.56 | 422.59 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,083,310.37 | 5.59 |
| E15023-D15007 | 8 | 214 | 0.017 | 7.1 | 2,720.88 | 0.87 | 481 | 477.32 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,210,332.88 | 6.24 |
| E04115-E05107 | 6 | 396 | 0.013 | 20.4 | 3,363.96 | 0.88 | 546 | 541 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 481,565.37 | 3.73 |
| E04109-E05101 | 6 | 396 | 0.013 | 23.6 | 3,363.96 | 0.88 | 540 | 535 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 481,565.37 | 3.73 |
| E12067-E12065 | 8 | 256 | 0.002 | 19.8 | 35,010.71 | 0.87 | 413.5 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 407,899.17 | 2.10 |
| G12037-G12035 | 8 | 223 | 0.004 | 17.7 | 11,517.83 | 0.87 | 388 | 387 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 618,066.74 | 3.19 |
| G07083-G07081 | 8 | 270 | 0.004 | 12.2 | 17,984.53 | 0.87 | 452 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 561,701.94 | 2.90 |
| E03117-E03115 | 8 | 354 | 0.011 | 4.9 | 4,438.42 | 0.86 | 581 | 577 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 981,106.54 | 5.06 |
| F09125-F09109 | 8 | 230 | 0.009 | 7.4 | 4,592.30 | 0.88 | 431 | 429 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 860,674.40 | 4.44 |
| F04105-F04103 | 8 | 255 | 0.008 | 6.6 | 6,389.91 | 0.87 | 530 | 528 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 817,396.39 | 4.22 |
| H13021-H13019 | 8 | 258 | 0.002 | 16.1 | 24,277.33 | 0.87 | 372 | 371.44 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 430,003.48 | 2.22 |
| K11067-K11065 | 8 | 337 | 0.006 | 11.3 | 8,071.74 | 0.88 | 350 | 348 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 711,029.88 | 3.67 |
| F15131-F15129 | 8 | 187 | 0.005 | 9.5 | 12,176.45 | 0.87 | 451 | 450 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 674,942.85 | 3.48 |
| E17041-E17040 | 8 | 247 | 0.008 | 6.5 | 6,802.20 | 0.88 | 525 | 523 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 830,528.10 | 4.28 |
| E14123-E13095 | 8 | 253 | 0.008 | 7.5 | 7,451.41 | 0.88 | 430 | 428 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 820,620.84 | 4.23 |
| D04107-D04079 | 8 | 331 | 0.009 | 10 | 5,598.16 | 0.86 | 583 | 580 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 878,687.48 | 4.53 |
| E12123-E12121 | 8 | 65 | 0.015 | 4.6 | 3,389.90 | 0.88 | 413 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,144,803.98 | 5.90 |
| E14041-E14101 | 8 | 226 | 0.031 | 3 | 1,360.44 | 0.89 | 447 | 440 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,624,361.20 | 8.38 |
| C04079-C04077 | 8 | 145 | 0.028 | 2.6 | 1,560.98 | 0.88 | 641 | 637 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,532,970.51 | 7.91 |
| C07033-C07027 | 8 | 161 | 0.019 | 3.6 | 2,251.90 | 0.88 | 518 | 515 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,259,898.32 | 6.50 |
| E18109-E18107 | 8 | 48 | 0.021 | 3.7 | 2,368.42 | 0.84 | 539 | 538 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,332,193.13 | 6.87 |
| J12043-J12041 | 21 | 478 | 0 | 34.6 | 683,573.40 | 0.87 | 360 | 359.77 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 2,654,702.94 | 1.71 |
| K09005-K09003 | 12 | 301 | 0.006 | 10.2 | 43,555.02 | 0.85 | 381.52 | 379.69 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,121,811.48 | 4.10 |
| G04057-G04055 | 8 | 251 | 0.008 | 9.2 | 14,418.32 | 0.87 | 486 | 484 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 823,883.76 | 4.25 |
| H06055-H07015 | 8 | 361 | 0.005 | 12.4 | 10,406.47 | 0.88 | 439 | 437.19 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 653,541.99 | 3.37 |
| J11155-J11151 | 8 | 201 | 0.011 | 6.4 | 5,203.79 | 0.87 | 375 | 372.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 965,608.59 | 4.98 |
| K15027-K15025 | 8 | 340 | 0.003 | 14.5 | 18,306.63 | 0.88 | 320 | 319 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 500,551.02 | 2.58 |
| C03023-C03021 | 8 | 228 | 0.018 | 3.8 | 2,806.52 | 0.88 | 665 | 661 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,222,504.25 | 6.30 |
| H04023-H04021 | 8 | 108 | 0.009 | 9.7 | 13,941.56 | 0.87 | 476 | 475 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 888,128.75 | 4.58 |
| F02061-F02057 | 8 | 155 | 0.01 | 52 | 0 | 0 | 525.59 | 524 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 934,803.91 | 4.82 |
| D07015-D07013 | 8 | 342 | 0.012 | 5.5 | 4,484.34 | 0.89 | 497 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 998,170.54 | 5.15 |
| F07139-F07137 | 8 | 64 | 0.016 | 5.1 | 3,563.26 | 0.88 | 467 | 466 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,153,713.09 | 5.95 |
| H14029-H14027 | 8 | 126 | 0.005 | 8.6 | 8,990.75 | 0.88 | 395.65 | 395.01 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 657,797.96 | 3.39 |
| K14099-K14097 | 8 | 290 | 0.008 | 7.7 | 5,444.45 | 0.88 | 324 | 321.6 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 839,642.53 | 4.33 |
| J11090-J11089 | 8 | 224 | 0.002 | 21.7 | 43,127.97 | 0.87 | 371.46 | 371 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 418,256.51 | 2.16 |
| E05123-E05121 | 8 | 369 | 0.005 | 9.8 | 10,392.87 | 0.88 | 530 | 528 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 679,500.25 | 3.50 |
| C02063-D02037 | 8 | 295 | 0.02 | 3.8 | 2,185.37 | 0.89 | 633 | 627 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,316,292.55 | 6.79 |
| E06113-E06111 | 8 | 252 | 0.004 | 12 | 17,264.25 | 0.87 | 495 | 494 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 581,416.75 | 3.00 |
| E07097-E07083 | 8 | 250 | 0.008 | 11.4 | 6,150.13 | 0.88 | 471 | 469 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 825,529.89 | 4.26 |
| E06027-E06025 | 8 | 276 | 0.004 | 25.1 | 15,740.73 | 0.88 | 490 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 555,562.94 | 2.87 |
| D10055-D10045 | 8 | 278 | 0.022 | 6.6 | 1,510.31 | 0.85 | 467 | 461 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,355,941.75 | 6.99 |
| F16001-F15085 | 8 | 254 | 0.02 | 3.7 | 2,380.77 | 0.89 | 484 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,294,958.80 | 6.68 |
| K09011-K09009 | 12 | 300 | 0.005 | 10.3 | 43,798.68 | 0.86 | 388.16 | 386.56 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,987,301.97 | 3.84 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| E16071-E15109 | 8 | 257 | 0.016 | 4.6 | 3,392.57 | 0.88 | 484 | 480 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,151,466.32 | 5.94 |
| H10039-H10037 | 12 | 572 | 0.002 | 14.2 | 48,212.36 | 0.88 | 388 | 387.05 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,108,991.68 | 2.14 |
| G12041-G12039 | 8 | 220 | 0.005 | 9.2 | 10,934.99 | 0.88 | 391 | 390 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 622,266.57 | 3.21 |
| J11043-J11041 | 8 | 289 | 0.003 | 24.2 | 14,663.05 | 0.88 | 380 | 379 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 542,923.81 | 2.80 |
| H12051-H12037 | 8 | 171 | 0.011 | 9.7 | 3,356.98 | 0.88 | 366.1 | 364.24 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 962,600.81 | 4.96 |
| E13095-E13093 | 8 | 264 | 0.006 | 12 | 10,150.95 | 0.88 | 428 | 426.32 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 736,275.73 | 3.80 |
| P-5582 | 8 | 0 | 0.004 | 11.3 | 15,221.05 | 0.88 | 405 | 404.35 | | 0.3 | 569,044.76 | 2.93 |
| C01007-D01033 | 8 | 313 | 0.016 | 4.8 | 3,120.27 | 0.89 | 634 | 629 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,166,542.70 | 6.02 |
| G04129-G04127 | 8 | 295 | 0.007 | 8.8 | 8,930.90 | 0.88 | 496 | 494 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 759,961.86 | 3.92 |
| E12159-F12153 | 8 | 397 | 0.005 | 11.7 | 18,257.12 | 0.88 | 405 | 403 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,099.93 | 3.38 |
| F09105-F09103 | 8 | 59 | 0.003 | 11.8 | 15,740.83 | 0.89 | 427 | 426.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 537,374.18 | 2.77 |
| H13089-H13087 | 8 | 353 | 0.003 | 13.4 | 17,835.74 | 0.88 | 377 | 376 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 491,247.61 | 2.53 |
| F04021-F04003 | 8 | 306 | 0.016 | 8.9 | 3,007.26 | 0.89 | 511 | 506 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,179,810.06 | 6.08 |
| L14005-L13137 | 8 | 310 | 0.006 | 8.7 | 7,868.27 | 0.89 | 322 | 320 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 741,347.72 | 3.82 |
| K14043-K14041 | 8 | 242 | 0.004 | 11.7 | 13,207.06 | 0.88 | 328 | 327 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 593,307.89 | 3.06 |
| C03001-C04005 | 8 | 281 | 0.014 | 4.6 | 3,992.37 | 0.9 | 643 | 639 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,101,196.04 | 5.68 |
| E11007-E10057 | 8 | 330 | 0.006 | 16.9 | 7,349.74 | 0.89 | 425 | 423 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 718,531.54 | 3.71 |
| D02095-D02093 | 8 | 287 | 0.003 | 13.4 | 20,891.51 | 0.89 | 611 | 610 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 544,812.24 | 2.81 |
| D05059-D05057 | 8 | 324 | 0.006 | 13.8 | 10,308.75 | 0.89 | 589 | 587 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 725,154.09 | 3.74 |
| F15129-F15089 | 8 | 187 | 0.005 | 19.3 | 13,173.02 | 0.89 | 450 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 674,942.85 | 3.48 |
| G12097-G12095 | 10 | 261 | 0.008 | 13.6 | 7,299.60 | 0.88 | 381 | 379 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,464,904.30 | 4.53 |
| G14007-G14005 | 8 | 246 | 0.016 | 4.7 | 2,079.77 | 0.89 | 411 | 407 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,176,928.96 | 6.07 |
| E08055-E08053 | 8 | 208 | 0.01 | 6.6 | 4,920.11 | 0.88 | 466 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 905,047.01 | 4.67 |
| F12153-F12151 | 8 | 398 | 0.005 | 12.1 | 19,574.70 | 0.88 | 403 | 401 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 654,276.42 | 3.37 |
| E15063-E15061 | 8 | 330 | 0.006 | 10 | 11,811.39 | 0.89 | 464 | 462 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 718,531.54 | 3.71 |
| L14011-L14009 | 8 | 393 | 0.005 | 8.7 | 10,219.75 | 0.89 | 327 | 325 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 658,425.33 | 3.40 |
| E13001-E12021 | 8 | 313 | 0.003 | 13.9 | 21,713.01 | 0.89 | 418 | 417 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 521,693.76 | 2.69 |
| E07079-E07077 | 8 | 153 | 0.013 | 5.1 | 3,690.08 | 0.88 | 478 | 476 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,055,254.20 | 5.44 |
| G11049-G11047 | 8 | 296 | 0.007 | 7.2 | 6,481.13 | 0.89 | 385 | 383 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 758,677.05 | 3.91 |
| F15115-F15111 | 8 | 179 | 0.022 | 5.1 | 2,040.66 | 0.88 | 482 | 478 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,379,721.04 | 7.12 |
| F07119-F07117 | 8 | 248 | 0.004 | 12.6 | 18,595.81 | 0.88 | 476 | 475 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 586,086.84 | 3.02 |
| E03255-F03179 | 8 | 289 | 0.01 | 6.9 | 4,755.75 | 0.9 | 541 | 538 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 940,371.62 | 4.85 |
| K11077-K11075 | 8 | 277 | 0.004 | 11.7 | 16,015.78 | 0.9 | 351 | 350 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 554,559.21 | 2.86 |
| J12067-J12065 | 8 | 542 | 0.013 | 13.6 | 4,386.62 | 0.87 | 369 | 362 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,048,907.48 | 5.41 |
| F04117-F05055 | 8 | 169 | 0.004 | 17 | 17,335.13 | 0.89 | 511.62 | 511 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 559,036.67 | 2.88 |
| E11053-E11051 | 8 | 297 | 0.015 | 5.5 | 3,600.22 | 0.9 | 427.59 | 423 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,147,402.85 | 5.92 |
| G08027-G09063 | 8 | 104 | 0.005 | 9.1 | 10,993.25 | 0.89 | 429.5 | 429 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 639,964.88 | 3.30 |
| E04141-E04137 | 8 | 262 | 0.008 | 7.1 | 7,355.39 | 0.89 | 532 | 530 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 806,403.05 | 4.16 |
| D19003-D19001 | 8 | 227 | 0.011 | 6.4 | 8,014.93 | 0.88 | 546.23 | 543.62 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 987,508.03 | 5.09 |
| F08047-G08019 | 8 | 337 | 0.004 | 11 | 14,469.09 | 0.89 | 444 | 442.74 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 564,362.47 | 2.91 |
| F13131-F12141 | 8 | 235 | 0.009 | 7.2 | 8,002.68 | 0.9 | 408 | 406 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 851,469.06 | 4.39 |
| G14087-G14065 | 8 | 357 | 0.008 | 8.7 | 4,910.15 | 0.9 | 412 | 409 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 846,085.64 | 4.36 |
| F12151-F12149 | 8 | 400 | 0.005 | 12.2 | 20,891.94 | 0.89 | 401 | 399 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 652,638.68 | 3.37 |
| E11057-E11055 | 8 | 223 | 0.013 | 5.1 | 3,911.10 | 0.87 | 425 | 422 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,070,523.00 | 5.52 |
| F04011-F04009 | 8 | 248 | 0.008 | 7.3 | 7,015.91 | 0.89 | 520 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 828,851.95 | 4.27 |
| D02033-D02031 | 8 | 261 | 0.004 | 12.4 | 18,890.89 | 0.9 | 620 | 619 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 571,304.38 | 2.95 |
| J08125-J08123 | 8 | 345 | 0.003 | 11.9 | 16,210.32 | 0.89 | 406.75 | 405.56 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 542,065.47 | 2.80 |
| F04033-F04031 | 8 | 299 | 0.013 | 4.8 | 4,012.39 | 0.89 | 508 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,067,535.21 | 5.51 |
| G15021-G15017 | 8 | 281 | 0.011 | 5.3 | 5,123.97 | 0.89 | 452 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 953,663.75 | 4.92 |
| E03127-E03125 | 8 | 378 | 0.008 | 8.8 | 7,789.86 | 0.89 | 578 | 575 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 822,247.45 | 4.24 |
| H08007-H08005 | 12 | 195 | 0.003 | 12.8 | 43,229.22 | 0.89 | 428 | 427.44 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,458,280.96 | 2.82 |
| H11071-H11039 | 8 | 221 | 0.011 | 89.4 | 3,827.38 | 0.9 | 373 | 370.65 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 951,755.95 | 4.91 |
| J07077-J07075 | 10 | 301 | 0.003 | 13.6 | 36,180.36 | 0.88 | 409.59 | 408.69 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 915,066.20 | 2.83 |
| J14123-J14119 | 8 | 270 | 0.004 | 15.2 | 17,167.18 | 0.9 | 336 | 335 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 561,701.94 | 2.90 |
| G04095-G04093 | 8 | 356 | 0.008 | 20.7 | 6,401.65 | 0.9 | 502 | 499 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 847,273.13 | 4.37 |
| E18005-E18003 | 12 | 291 | 0.003 | 11.7 | 32,076.32 | 0.88 | 518 | 517 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,595,210.51 | 3.09 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| D01039-D01037 | 8 | 329 | 0.009 | 6.3 | 6,542.65 | 0.91 | 624 | 621 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 881,354.21 | 4.55 |
| D14097-D14095 | 8 | 93 | 0.005 | 9.3 | 12,217.93 | 0.9 | 456.5 | 456 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 676,754.78 | 3.49 |
| E16045-E15069 | 8 | 337 | 0.015 | 4.9 | 4,066.19 | 0.91 | 484 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,124,236.96 | 5.80 |
| D04065-D04063 | 8 | 97 | 0.021 | 21.4 | 2,449.29 | 0.9 | 571 | 569 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,325,308.36 | 6.84 |
| E11043-E11041 | 8 | 242 | 0.008 | 9 | 6,778.93 | 0.89 | 419 | 417 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 839,064.07 | 4.33 |
| J11181-J11090 | 8 | 174 | 0.005 | 15.7 | 13,251.96 | 0.9 | 372.36 | 371.46 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 663,795.70 | 3.42 |
| E15109-E15107 | 8 | 254 | 0.012 | 6 | 5,082.52 | 0.89 | 480 | 477 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,003,070.77 | 5.17 |
| G15029-G15027 | 8 | 54 | 0.016 | 3.6 | 2,457.56 | 0.9 | 425.41 | 424.56 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,157,978.22 | 5.97 |
| E16077-F16049 | 8 | 423 | 0.002 | 19.8 | 35,659.35 | 0.9 | 497 | 496 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 448,763.60 | 2.31 |
| G15069-G15067 | 8 | 291 | 0.007 | 7 | 5,880.63 | 0.9 | 496 | 494 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 765,167.14 | 3.95 |
| F13009-F13007 | 8 | 436 | 0.005 | 8.7 | 9,863.18 | 0.9 | 411 | 409 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 625,114.48 | 3.22 |
| D15025-D15023 | 8 | 140 | 0.007 | 7.6 | 9,176.54 | 0.9 | 465 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 780,052.42 | 4.02 |
| F19047-F19045 | 8 | 187 | 0.005 | 10.1 | 13,898.67 | 0.9 | 570.85 | 569.91 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 652,638.68 | 3.37 |
| G03053-G03051 | 8 | 353 | 0.011 | 5.2 | 4,402.39 | 0.9 | 514 | 510 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 982,495.23 | 5.07 |
| H13077-H13093 | 8 | 216 | 0.005 | 8.7 | 9,801.44 | 0.9 | 383 | 382 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 628,001.86 | 3.24 |
| C03003-C03001 | 8 | 294 | 0.02 | 3.8 | 2,465.17 | 0.91 | 649 | 643 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,318,529.25 | 6.80 |
| K14059-K14057 | 8 | 255 | 0.004 | 11.8 | 16,063.62 | 0.9 | 329 | 328 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 577,986.53 | 2.98 |
| C03009-C03007 | 12 | 296 | 0.017 | 2.8 | 4,041.88 | 0.91 | 650 | 645 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,536,744.16 | 6.84 |
| H07013-H07011 | 8 | 139 | 0.002 | 18.5 | 32,129.71 | 0.9 | 436.3 | 436 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 428,786.43 | 2.21 |
| F13091-F12093 | 8 | 234 | 0.009 | 7.9 | 8,077.59 | 0.91 | 407 | 405 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 853,286.50 | 4.40 |
| G08097-G08095 | 8 | 105 | 0.005 | 10.7 | 15,287.44 | 0.9 | 447 | 446.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 636,910.14 | 3.28 |
| F05143-F05141 | 8 | 175 | 0.008 | 8.2 | 7,331.44 | 0.89 | 500.77 | 499.35 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 831,405.62 | 4.29 |
| F11029-F11027 | 8 | 278 | 0.004 | 46.3 | 20,776.04 | 0.91 | 399.64 | 398.6 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 564,523.57 | 2.91 |
| K14061-K14059 | 8 | 238 | 0.004 | 11.1 | 14,663.98 | 0.89 | 330 | 329 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 598,272.90 | 3.09 |
| E04133-E04131 | 8 | 345 | 0.012 | 5.8 | 4,398.05 | 0.9 | 537 | 533 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 993,821.20 | 5.13 |
| G07027-G07023 | 8 | 68 | 0.007 | 9 | 9,194.49 | 0.91 | 448 | 447.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 791,440.65 | 4.08 |
| F10061-F10059 | 8 | 109 | 0.009 | 8.2 | 4,575.67 | 0.91 | 409 | 408 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 884,045.38 | 4.56 |
| E07125-F07133 | 8 | 247 | 0.004 | 12.2 | 18,331.18 | 0.91 | 475 | 474 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,272.05 | 3.03 |
| C06047-C06045 | 8 | 263 | 0.019 | 3.8 | 2,460.05 | 0.91 | 568 | 563 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,272,608.84 | 6.56 |
| C06063-C06061 | 8 | 314 | 0.029 | 2.6 | 1,411.82 | 0.91 | 555 | 546 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,562,587.11 | 8.06 |
| E12031-E12029 | 8 | 249 | 0.008 | 7.5 | 8,472.64 | 0.92 | 420 | 418 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 827,185.92 | 4.27 |
| F12147-F12145 | 8 | 399 | 0.003 | 20.7 | 43,252.57 | 0.9 | 400 | 399 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 462,063.18 | 2.38 |
| F12141-F12139 | 8 | 257 | 0.008 | 7.8 | 9,345.09 | 0.9 | 406 | 404 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 814,209.65 | 4.20 |
| E18011-E18009 | 8 | 300 | 0.035 | 7.7 | 1,357.66 | 0.86 | 530 | 519.56 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,721,779.09 | 8.88 |
| F07133-F07131 | 8 | 247 | 0.004 | 12.7 | 19,209.78 | 0.91 | 474 | 473 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,272.05 | 3.03 |
| G09131-G09129 | 8 | 370 | 0.008 | 8.2 | 8,157.21 | 0.91 | 421 | 418 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 831,089.07 | 4.29 |
| D05089-D05081 | 10 | 301 | 0.017 | 5.6 | 3,734.05 | 0.88 | 593 | 588 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,156,831.72 | 6.67 |
| C07015-D07079 | 8 | 223 | 0.009 | 7.9 | 6,134.88 | 0.92 | 528 | 526 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 874,078.37 | 4.51 |
| J07079-J07077 | 10 | 159 | 0.003 | 13.6 | 36,186.83 | 0.89 | 410.07 | 409.59 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 919,467.89 | 2.85 |
| E04013-E04011 | 8 | 270 | 0.011 | 8.5 | 5,569.58 | 0.91 | 557 | 554 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 972,896.30 | 5.02 |
| F07137-F07135 | 8 | 318 | 0.009 | 7.1 | 6,676.05 | 0.89 | 466 | 463 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 896,468.17 | 4.62 |
| K12043-K12041 | 8 | 101 | 0.01 | 7.2 | 4,889.78 | 0.9 | 349 | 348 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 918,389.95 | 4.74 |
| K15045-K15043 | 12 | 404 | 0.005 | 7.9 | 14,283.31 | 0.91 | 325 | 323 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,914,647.43 | 3.70 |
| F06113-F06111 | 10 | 232 | 0.003 | 12.4 | 31,567.64 | 0.89 | 481 | 480.24 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 957,805.47 | 2.96 |
| L13145-L13143 | 8 | 301 | 0.003 | 13.1 | 18,459.75 | 0.91 | 322 | 321 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 531,991.34 | 2.74 |
| F05011-F05009 | 8 | 251 | 0.004 | 12 | 17,871.55 | 0.91 | 504 | 503 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 582,573.80 | 3.00 |
| G13103-G13101 | 8 | 156 | 0.006 | 7.2 | 6,678.81 | 0.91 | 392 | 391 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 738,967.79 | 3.81 |
| H05009-H05007 | 12 | 309 | 0.002 | 21.8 | 129,628.98 | 0.91 | 448.48 | 447.83 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,248,078.60 | 2.41 |
| F05087-F05079 | 8 | 260 | 0.004 | 13.5 | 17,152.02 | 0.91 | 510 | 509 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 572,401.99 | 2.95 |
| D04067-D04065 | 8 | 299 | 0.027 | 3 | 2,029.84 | 0.94 | 579 | 571 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,509,722.77 | 7.79 |
| H10007-H10005 | 12 | 611 | 0.002 | 13.9 | 50,917.46 | 0.91 | 386.26 | 385 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,235,745.86 | 2.39 |
| F07131-F07129 | 8 | 258 | 0.004 | 13.2 | 21,124.50 | 0.91 | 473 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 574,616.32 | 2.96 |
| F04023-G04109 | 12 | 293 | 0.014 | 3.5 | 5,332.68 | 0.92 | 508 | 504 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,179,513.57 | 6.15 |
| D14103-D14095 | 8 | 100 | 0.02 | 5.8 | 2,716.71 | 0.92 | 458 | 456 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,305,277.36 | 6.73 |
| C03033-C03031 | 8 | 248 | 0.06 | 1.6 | 624.39 | 0.82 | 699 | 684 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,269,904.55 | 11.71 |
| G05013-G05011 | 8 | 264 | 0.008 | 12.3 | 19,365.20 | 0.91 | 476 | 474 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 803,342.68 | 4.14 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| E17040-E17038 | 8 | 278 | 0.009 | 8.6 | 6,779.43 | 0.92 | 523 | 520.38 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 896,016.60 | 4.62 |
| G09119-G09117 | 8 | 390 | 0.003 | 19.2 | 36,789.53 | 0.91 | 411 | 410 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 467,364.27 | 2.41 |
| F07089-F07087 | 8 | 271 | 0.004 | 13.8 | 22,553.18 | 0.91 | 477 | 476 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 560,664.63 | 2.89 |
| E11003-E10053 | 8 | 273 | 0.007 | 16.9 | 6,431.59 | 0.91 | 420 | 418 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 789,989.80 | 4.07 |
| E07135-F07147 | 8 | 247 | 0.008 | 9.3 | 8,641.30 | 0.9 | 466 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 830,528.10 | 4.28 |
| H06067-H06065 | 12 | 294 | 0.003 | 9.6 | 20,630.46 | 0.9 | 438 | 437 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,587,050.82 | 3.07 |
| C02027-C02025 | 8 | 191 | 0.016 | 6.8 | 5,177.93 | 0.92 | 647 | 644 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,156,729.34 | 5.97 |
| E04123-E05119 | 8 | 358 | 0.008 | 9.3 | 6,740.22 | 0.91 | 529 | 526 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 844,903.13 | 4.36 |
| C05007-D05065 | 8 | 364 | 0.019 | 3.7 | 2,807.96 | 0.92 | 610 | 603 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,279,929.75 | 6.60 |
| J15031-J15029 | 8 | 114 | 0.018 | 3.7 | 2,643.91 | 0.92 | 336 | 334 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,222,504.25 | 6.30 |
| E03131-E03129 | 8 | 338 | 0.009 | 7.2 | 7,262.73 | 0.92 | 580 | 577 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 869,541.04 | 4.48 |
| F04103-F04101 | 8 | 255 | 0.008 | 7.4 | 7,701.84 | 0.91 | 528 | 526 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 817,396.39 | 4.22 |
| H13057-H13051 | 8 | 379 | 0.024 | 5.8 | 1,386.51 | 0.9 | 375 | 366 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,422,294.26 | 7.34 |
| G08043-G08041 | 8 | 306 | 0.007 | 7.8 | 7,803.47 | 0.92 | 432 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 746,177.40 | 3.85 |
| H05055-H05003 | 8 | 252 | 0.022 | 14.3 | 2,265.79 | 0.92 | 450.5 | 445 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,363,543.14 | 7.03 |
| D14011-D14009 | 8 | 253 | 0.016 | 5.8 | 3,741.21 | 0.93 | 465 | 461 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,160,533.13 | 5.99 |
| F12129-F12127 | 8 | 234 | 0.009 | 8 | 8,768.98 | 0.92 | 408 | 406 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 853,286.50 | 4.40 |
| D13069-D13067 | 8 | 81 | 0.003 | 16.7 | 31,018.94 | 0.91 | 430.25 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 512,761.37 | 2.64 |
| F17043-F17033 | 8 | 259 | 0.005 | 12.3 | 19,164.94 | 0.91 | 517.65 | 516.41 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 638,629.19 | 3.29 |
| F11051-F11049 | 8 | 341 | 0.006 | 10.4 | 8,091.47 | 0.92 | 398 | 396 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 706,847.32 | 3.65 |
| F07117-F07115 | 8 | 248 | 0.004 | 13.4 | 21,033.88 | 0.92 | 475 | 474 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 586,086.84 | 3.02 |
| K11065-K11063 | 8 | 374 | 0.003 | 15.1 | 23,544.40 | 0.92 | 348 | 347 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 477,256.67 | 2.46 |
| D16061-D16059 | 8 | 255 | 0.004 | 12.7 | 19,782.37 | 0.92 | 484 | 483 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 577,986.53 | 2.98 |
| J07115-J07079 | 10 | 306 | 0.003 | 13.6 | 35,839.87 | 0.91 | 410.97 | 410.07 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 907,559.38 | 2.81 |
| F04053-F05013 | 8 | 305 | 0.01 | 7.8 | 5,715.92 | 0.9 | 508 | 505 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 915,373.88 | 4.72 |
| F08005-F08003 | 8 | 246 | 0.008 | 8.5 | 5,896.93 | 0.92 | 447 | 445 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 832,214.45 | 4.29 |
| J14045-J14037 | 8 | 246 | 0.008 | 8 | 6,534.53 | 0.92 | 342 | 340 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 832,214.45 | 4.29 |
| G07001-G08063 | 8 | 395 | 0.01 | 6.7 | 6,181.74 | 0.91 | 448 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 928,793.69 | 4.79 |
| J11017-J11015 | 8 | 297 | 0.01 | 5.9 | 6,280.50 | 0.91 | 381 | 378 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 927,620.23 | 4.78 |
| E13009-E13007 | 8 | 305 | 0.007 | 9.7 | 11,298.28 | 0.92 | 421 | 419 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 747,399.64 | 3.85 |
| K14057-K14055 | 8 | 258 | 0.004 | 12.1 | 17,950.73 | 0.92 | 328 | 327 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 574,616.32 | 2.96 |
| E03095-E03093 | 8 | 209 | 0.014 | 12 | 3,914.66 | 0.9 | 567 | 564 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,105,796.70 | 5.70 |
| H04003-H04001 | 8 | 256 | 0.004 | 20.3 | 46,214.66 | 0.92 | 469 | 468 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| F09103-F09097 | 8 | 220 | 0.004 | 12.4 | 16,653.98 | 0.92 | 426.8 | 426 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 556,572.14 | 2.87 |
| G14075-G14073 | 8 | 240 | 0.007 | 7 | 7,369.71 | 0.92 | 422.59 | 421 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 751,243.54 | 3.87 |
| F03195-F03183 | 8 | 229 | 0.013 | 6.8 | 4,068.97 | 0.94 | 533.46 | 530.47 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,052,348.25 | 5.43 |
| E06091-E06089 | 8 | 251 | 0.008 | 8 | 7,322.34 | 0.92 | 505 | 503 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 823,883.76 | 4.25 |
| E09045-E09013 | 8 | 218 | 0.005 | 10.9 | 12,864.45 | 0.91 | 436 | 435 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 625,114.48 | 3.22 |
| E14097-E14095 | 8 | 317 | 0.016 | 6.7 | 4,071.14 | 0.94 | 441 | 436 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,159,159.44 | 5.98 |
| F13069-F13067 | 10 | 133 | 0.008 | 24.2 | 10,196.48 | 0.92 | 411 | 410 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,451,071.08 | 4.49 |
| G08063-G08061 | 8 | 391 | 0.008 | 29.2 | 9,213.71 | 0.92 | 444 | 441 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 808,462.83 | 4.17 |
| F07091-F07089 | 8 | 233 | 0.004 | 13 | 19,587.90 | 0.91 | 478 | 477 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 604,658.06 | 3.12 |
| E05161-E05157 | 8 | 248 | 0.012 | 6 | 4,408.16 | 0.92 | 523 | 520 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,015,132.18 | 5.24 |
| D11055-D11053 | 8 | 330 | 0.009 | 6.6 | 5,055.76 | 0.93 | 432 | 429 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 880,017.82 | 4.54 |
| H13007-H13005 | 8 | 275 | 0.002 | 18 | 31,247.11 | 0.92 | 369.63 | 369 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 441,765.44 | 2.28 |
| E11059-E11057 | 8 | 139 | 0.014 | 4.4 | 3,918.24 | 0.9 | 427 | 425 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,107,121.81 | 5.71 |
| F03183-F04185 | 8 | 261 | 0.006 | 9.9 | 12,029.53 | 0.92 | 530.47 | 529 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 692,669.75 | 3.57 |
| G11033-G11031 | 8 | 264 | 0.004 | 10.9 | 14,073.73 | 0.93 | 387 | 386 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 568,049.06 | 2.93 |
| K13007-K13005 | 8 | 243 | 0.004 | 35.3 | 17,701.25 | 0.93 | 321 | 320 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 592,085.83 | 3.05 |
| D04017-D04015 | 8 | 276 | 0.022 | 3.8 | 2,495.90 | 0.93 | 617 | 611 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,360,845.72 | 7.02 |
| L14083-L14081 | 8 | 256 | 0.004 | 100 | 15,742.63 | 0.93 | 328 | 327 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| G02053-G02005 | 8 | 200 | 0.004 | 7.1 | 982.27 | 0.36 | 523.41 | 522.69 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 553,782.28 | 2.86 |
| E05045-E05037 | 8 | 424 | 0.017 | 7.7 | 3,896.59 | 0.94 | 538 | 531 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,185,915.92 | 6.12 |
| F13035-F13033 | 8 | 207 | 0.024 | 11 | 1,426.40 | 0.92 | 407 | 402 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,434,457.34 | 7.40 |
| E04027-E04025 | 8 | 339 | 0.003 | 17.7 | 34,198.18 | 0.92 | 539 | 538 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 501,288.75 | 2.59 |
| H04005-H04003 | 8 | 254 | 0.004 | 19 | 45,515.23 | 0.93 | 470 | 469 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 579,123.18 | 2.99 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| L13017-L13015 | 10 | 214 | 0.005 | 100 | 317,221.54 | 0.93 | 323 | 322 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,143,951.53 | 3.54 |
| E04031-E04029 | 8 | 339 | 0.003 | 16.9 | 31,269.69 | 0.93 | 542 | 541 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 501,288.75 | 2.59 |
| D03025-D03023 | 8 | 294 | 0.02 | 3.7 | 2,807.12 | 0.94 | 620 | 614 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,318,529.25 | 6.80 |
| G13131-H13091 | 8 | 327 | 0.009 | 7.5 | 4,862.35 | 0.94 | 382 | 379 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 884,045.38 | 4.56 |
| D04051-D05129 | 8 | 312 | 0.01 | 6.5 | 7,527.47 | 0.94 | 576 | 573 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 905,047.01 | 4.67 |
| J14039-J14037 | 8 | 247 | 0.004 | 11.3 | 15,878.46 | 0.93 | 341 | 340 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,272.05 | 3.03 |
| E09061-F09053 | 8 | 248 | 0.004 | 10.9 | 14,075.54 | 0.93 | 420 | 419 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 586,086.84 | 3.02 |
| J11183-J11181 | 8 | 182 | 0.006 | 9.7 | 13,282.06 | 0.93 | 373.37 | 372.36 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 685,682.32 | 3.54 |
| G04097-G04095 | 8 | 353 | 0.014 | 5.2 | 3,714.82 | 0.91 | 507 | 502 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,098,463.06 | 5.67 |
| F14023-F14021 | 8 | 86 | 0.004 | 11 | 14,859.55 | 0.93 | 427.25 | 426.91 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 580,334.03 | 2.99 |
| E14093-E14089 | 8 | 260 | 0.004 | 14.7 | 23,949.27 | 0.93 | 434.98 | 434.01 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 563,750.58 | 2.91 |
| E04113-E05105 | 6 | 397 | 0.015 | 22.5 | 3,363.96 | 0.91 | 544 | 538 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 526,863.62 | 4.08 |
| C06085-C06081 | 8 | 164 | 0.11 | 1 | 282.73 | 0.94 | 605 | 587 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,057,751.13 | 15.77 |
| H07019-H07017 | 8 | 264 | 0.005 | 10.7 | 13,728.60 | 0.93 | 440.31 | 439 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 650,161.86 | 3.35 |
| G10041-G10039 | 8 | 88 | 0.006 | 13.2 | 9,834.99 | 0.93 | 401.5 | 401 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 695,715.17 | 3.59 |
| D16071-D16069 | 8 | 106 | 0.009 | 7.1 | 6,880.54 | 0.94 | 494 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 896,468.17 | 4.62 |
| F06091-F06075 | 8 | 261 | 0.016 | 8.3 | 4,123.79 | 0.94 | 494.14 | 489.97 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,166,636.56 | 6.02 |
| E04021-E05097 | 8 | 343 | 0.003 | 19 | 39,582.35 | 0.93 | 535 | 534 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 498,357.21 | 2.57 |
| K11063-K11061 | 8 | 97 | 0.003 | 15.6 | 22,508.31 | 0.93 | 347 | 346.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 513,289.72 | 2.65 |
| E14051-F14073 | 8 | 365 | 0.008 | 9.5 | 9,128.65 | 0.93 | 443 | 440 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 836,762.10 | 4.32 |
| G11031-G11029 | 8 | 244 | 0.004 | 10.9 | 14,056.48 | 0.94 | 386 | 385 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 590,871.30 | 3.05 |
| H11073-H11033 | 8 | 204 | 0.014 | 100 | 3,218.37 | 0.95 | 372 | 369.19 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,083,242.98 | 5.59 |
| J11005-J11003 | 8 | 324 | 0.009 | 7 | 7,879.10 | 0.94 | 374 | 371 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 888,128.75 | 4.58 |
| F13093-F13091 | 8 | 251 | 0.012 | 6.2 | 6,051.38 | 0.93 | 410 | 407 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,009,047.41 | 5.20 |
| G08111-G08109 | 8 | 321 | 0.009 | 6.8 | 7,549.42 | 0.95 | 432 | 429 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 892,269.23 | 4.60 |
| G15031-G15029 | 8 | 257 | 0.018 | 3.3 | 2,271.34 | 0.94 | 430 | 425.41 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,233,467.15 | 6.36 |
| F12139-F12137 | 8 | 257 | 0.008 | 9 | 10,683.77 | 0.94 | 404 | 402 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 814,209.65 | 4.20 |
| F07103-F07101 | 8 | 259 | 0.004 | 22.4 | 23,593.41 | 0.94 | 479 | 478 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 573,505.95 | 2.96 |
| F11013-F11011 | 8 | 378 | 0.005 | 11.4 | 18,260.04 | 0.93 | 397 | 395 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 671,362.23 | 3.46 |
| J06083-J06079 | 8 | 102 | 0.009 | 6.4 | 5,946.25 | 0.94 | 428.2 | 427.25 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 890,737.06 | 4.59 |
| E08053-E08051 | 8 | 258 | 0.007 | 8.5 | 9,755.88 | 0.94 | 464 | 462.3 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 749,208.02 | 3.86 |
| E02060-E03239 | 8 | 213.4 | 0.004 | 12.1 | 18,826.20 | 0.94 | 557.91 | 557 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 601,868.50 | 3.10 |
| E03075-E03073 | 8 | 282 | 0.018 | 13.8 | 3,363.96 | 0.94 | 556 | 551 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,228,989.73 | 6.34 |
| D04115-E04087 | 8 | 339 | 0.015 | 6.3 | 4,413.57 | 0.93 | 566 | 561 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,120,915.72 | 5.78 |
| F15103-F15101 | 8 | 242 | 0.004 | 21.4 | 22,245.58 | 0.94 | 468 | 467 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 593,307.89 | 3.06 |
| D14067-D14065 | 8 | 295 | 0.01 | 6.8 | 6,994.04 | 0.93 | 458 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 930,759.39 | 4.80 |
| D01041-D01039 | 8 | 288 | 0.014 | 5.5 | 4,678.96 | 0.96 | 628 | 624 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,087,731.13 | 5.61 |
| F06103-F06101 | 8 | 363 | 0.006 | 11.9 | 14,802.12 | 0.94 | 485 | 483 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 685,092.94 | 3.53 |
| D10103-D10101 | 8 | 224 | 0.004 | 11.8 | 12,114.89 | 0.95 | 443 | 442 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 616,685.59 | 3.18 |
| D15019-D15017 | 8 | 244 | 0.012 | 6.3 | 5,398.97 | 0.94 | 483 | 480 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,023,419.11 | 5.28 |
| L13049-L13047 | 8 | 150 | 0.007 | 8.7 | 9,073.51 | 0.94 | 335 | 334 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 753,602.23 | 3.89 |
| F09001-F10009 | 8 | 323 | 0.012 | 5.7 | 4,532.83 | 0.94 | 419 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,027,109.02 | 5.30 |
| L13139-L13131 | 8 | 147 | 0.003 | 13.8 | 21,906.79 | 0.94 | 318 | 317.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 538,287.31 | 2.78 |
| J14059-J14057 | 8 | 217 | 0.009 | 6.1 | 6,459.65 | 0.95 | 337 | 335 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 886,080.01 | 4.57 |
| E12107-E12101 | 8 | 246 | 0.004 | 24.1 | 21,626.08 | 0.95 | 408 | 407 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 588,464.48 | 3.03 |
| D15031-D15029 | 8 | 225 | 0.018 | 5.1 | 3,482.37 | 0.95 | 474 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,230,627.30 | 6.35 |
| E07067-E07065 | 8 | 94 | 0.021 | 6.3 | 2,460.05 | 0.95 | 483 | 481 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,346,290.80 | 6.94 |
| E14139-E14137 | 10 | 345 | 0.009 | 6 | 9,298.57 | 0.95 | 445 | 442 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,560,506.52 | 4.83 |
| E04137-E05121 | 8 | 258 | 0.008 | 9.2 | 9,002.37 | 0.94 | 530 | 528 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 812,630.19 | 4.19 |
| D13089-D13087 | 8 | 313 | 0.013 | 7.1 | 5,424.40 | 0.94 | 446 | 442 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,043,387.51 | 5.38 |
| J12045-J12041 | 8 | 255 | 0.005 | 41.9 | 21,641.67 | 0.93 | 361 | 359.77 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 641,018.07 | 3.31 |
| E11021-E11019 | 8 | 388 | 0.008 | 8.9 | 10,898.35 | 0.95 | 405 | 402 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 811,582.31 | 4.19 |
| E03129-E03125 | 8 | 264 | 0.008 | 9.3 | 10,008.86 | 0.95 | 577 | 575 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 803,342.68 | 4.14 |
| E18105-E18103 | 8 | 49 | 0.02 | 4.1 | 3,378.17 | 0.95 | 536 | 535 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,318,529.25 | 6.80 |
| G04131-G04129 | 8 | 310 | 0.01 | 7 | 7,286.44 | 0.95 | 499 | 496 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 907,961.82 | 4.68 |
| J15015-J15013 | 8 | 239 | 0.004 | 11.2 | 15,833.08 | 0.95 | 343 | 342 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 597,019.97 | 3.08 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| E12111-E12109 | 8 | 72 | 0.014 | 5.3 | 5,403.28 | 0.96 | 410 | 409 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,087,731.13 | 5.61 |
| E06081-E06079 | 8 | 249 | 0.012 | 6 | 4,920.11 | 0.95 | 513 | 510 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,013,091.71 | 5.22 |
| E12029-E12027 | 8 | 250 | 0.008 | 8 | 10,151.56 | 0.95 | 418 | 416 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 825,529.89 | 4.26 |
| E04017-E05053 | 8 | 277 | 0.011 | 12.9 | 6,143.62 | 0.94 | 553 | 550 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 960,524.73 | 4.95 |
| F09115-F09113 | 8 | 15 | 0.007 | 7.4 | 8,383.51 | 0.95 | 431 | 430.9 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 753,602.23 | 3.89 |
| E08007-E08003 | 8 | 309 | 0.01 | 32.1 | 5,638.13 | 0.96 | 451 | 448 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 909,429.83 | 4.69 |
| D16087-D16081 | 8 | 204 | 0.015 | 7 | 4,081.32 | 0.93 | 484 | 480.95 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,128,554.78 | 5.82 |
| E11135-E11133 | 8 | 298 | 0.013 | 49 | 5,090.51 | 0.94 | 427 | 423 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,069,324.88 | 5.51 |
| L14055-L14053 | 10 | 241 | 0.001 | 100 | 937,595.74 | 0.04 | 313.29 | 313 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 580,503.69 | 1.80 |
| F05015-F05013 | 8 | 251 | 0.012 | 7.7 | 5,664.62 | 0.95 | 508 | 505 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,009,047.41 | 5.20 |
| H10029-H10027 | 8 | 291 | 0.007 | 20.8 | 8,080.98 | 0.95 | 399 | 397 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 765,167.14 | 3.95 |
| H11065-H11063 | 8 | 302 | 0.007 | 7.6 | 8,685.17 | 0.95 | 385 | 383 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 751,102.72 | 3.87 |
| F09053-F10035 | 8 | 239 | 0.004 | 12.2 | 15,440.23 | 0.95 | 419 | 418 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 597,019.97 | 3.08 |
| C02039-C02023 | 8 | 194 | 0.01 | 8.1 | 6,329.76 | 0.96 | 642 | 640 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 937,134.53 | 4.83 |
| J14057-J14055 | 8 | 206 | 0.01 | 12.2 | 6,301.65 | 0.95 | 335 | 333 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 909,429.83 | 4.69 |
| D02043-D02023 | 8 | 237 | 0.013 | 9.6 | 5,302.49 | 0.95 | 606 | 603 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,038,422.91 | 5.36 |
| D08109-E08067 | 15 | 438 | 0.005 | 6.8 | 20,040.84 | 0.95 | 467 | 465 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,334,027.23 | 4.30 |
| E04023-E04021 | 8 | 328 | 0.003 | 18.8 | 38,189.25 | 0.95 | 536 | 535 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 509,625.19 | 2.63 |
| H12059-H12017 | 8 | 426 | 0.002 | 30.5 | 34,240.50 | 0.94 | 369 | 368 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 447,180.65 | 2.31 |
| E03137-E03135 | 8 | 210 | 0.01 | 7.2 | 7,795.19 | 0.96 | 567 | 565 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 900,726.95 | 4.65 |
| D04053-D04051 | 8 | 363 | 0.011 | 6.1 | 6,324.25 | 0.94 | 580 | 576 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 968,867.73 | 5.00 |
| F09017-F09015 | 15 | 135 | 0.004 | 19.1 | 34,042.97 | 0.94 | 425.5 | 425 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,002,681.84 | 3.87 |
| C07077-C07053 | 8 | 195 | 0.005 | 13.1 | 18,808.90 | 0.95 | 514 | 513 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 660,952.88 | 3.41 |
| F04193-F04185 | 8 | 160 | 0.014 | 7.6 | 4,073.89 | 0.97 | 531.28 | 529 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,098,353.89 | 5.66 |
| F04087-F04075 | 8 | 199 | 0.02 | 4.9 | 2,711.09 | 0.96 | 525.39 | 521.4 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,306,916.13 | 6.74 |
| F07115-F07113 | 8 | 248 | 0.004 | 13.8 | 23,977.47 | 0.95 | 474 | 473 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 586,086.84 | 3.02 |
| H06007-H06005 | 12 | 331 | 0.002 | 26.2 | 162,636.86 | 0.95 | 439 | 438.48 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,078,579.53 | 2.09 |
| C03031-C03029 | 8 | 164 | 0.049 | 3 | 1,247.94 | 0.97 | 684 | 676 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,038,500.76 | 10.51 |
| G08045-G08043 | 8 | 308 | 0.01 | 6.4 | 5,512.68 | 0.97 | 435 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 910,904.98 | 4.70 |
| G08033-G08031 | 8 | 246 | 0.008 | 7.5 | 6,885.09 | 0.95 | 433 | 431 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 832,214.45 | 4.29 |
| J07121-J07119 | 10 | 140 | 0.003 | 13.5 | 35,675.39 | 0.95 | 414.52 | 414.1 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 916,590.04 | 2.84 |
| E04131-E05123 | 8 | 358 | 0.008 | 7.7 | 7,759.53 | 0.96 | 533 | 530 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 844,903.13 | 4.36 |
| E03003-E04041 | 8 | 268 | 0.007 | 9.9 | 11,063.13 | 0.96 | 547 | 545 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 797,325.05 | 4.11 |
| F07129-F07127 | 8 | 236 | 0.004 | 13.8 | 23,017.53 | 0.96 | 472 | 471 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 600,802.60 | 3.10 |
| D03035-D03033 | 8 | 319 | 0.022 | 3.8 | 2,807.46 | 0.96 | 625 | 618 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,367,229.71 | 7.05 |
| F13081-F13079 | 8 | 77 | 0.013 | 24.3 | 6,531.23 | 0.95 | 419.99 | 419 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,046,550.14 | 5.40 |
| L14081-L13155 | 8 | 252 | 0.004 | 100 | 17,778.24 | 0.96 | 327 | 326 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 581,416.75 | 3.00 |
| F12125-F12123 | 8 | 249 | 0.008 | 9.1 | 11,450.11 | 0.96 | 405 | 403 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 827,185.92 | 4.27 |
| D07151-E07075 | 8 | 225 | 0.009 | 7.7 | 7,309.31 | 0.95 | 474 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 870,184.91 | 4.49 |
| J11151-J11149 | 8 | 335 | 0.008 | 8.5 | 9,555.08 | 0.96 | 372.8 | 370 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 843,809.52 | 4.35 |
| D16043-D16039 | 8 | 65 | 0.008 | 8.5 | 10,073.05 | 0.96 | 494.5 | 494 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 809,498.65 | 4.17 |
| G14089-G14087 | 8 | 229 | 0.013 | 4.8 | 3,590.11 | 0.95 | 415 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,056,405.60 | 5.45 |
| D14111-D14109 | 8 | 76 | 0.007 | 8.7 | 11,586.70 | 0.96 | 453 | 452.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 748,627.91 | 3.86 |
| H08027-H08025 | 8 | 80 | 0.013 | 5.3 | 5,673.41 | 0.96 | 433 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,031,912.36 | 5.32 |
| F13049-F13047 | 12 | 63 | 0.003 | 10.5 | 36,850.17 | 0.95 | 410.83 | 410.61 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,608,072.27 | 3.11 |
| F15045-F15039 | 8 | 127 | 0.017 | 4.8 | 3,535.29 | 0.97 | 444 | 441.85 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,200,895.39 | 6.19 |
| G08029-G08027 | 8 | 82 | 0.006 | 8.8 | 10,539.06 | 0.96 | 430 | 429.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 720,718.85 | 3.72 |
| E06087-E06085 | 8 | 252 | 0.004 | 12.5 | 19,271.69 | 0.96 | 501 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 581,416.75 | 3.00 |
| H11153-H11151 | 8 | 279 | 0.011 | 6.2 | 4,790.75 | 0.95 | 383 | 380 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 957,075.80 | 4.94 |
| J15023-J15021 | 8 | 198 | 0.004 | 12.3 | 18,409.30 | 0.96 | 331 | 330.25 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 568,049.06 | 2.93 |
| K09009-K09007 | 12 | 301 | 0.007 | 9.5 | 43,655.10 | 0.94 | 386.56 | 384.38 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,315,845.04 | 4.48 |
| H11027-H11025 | 8 | 180 | 0.011 | 83.8 | 4,549.67 | 0.95 | 371 | 369 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 972,896.30 | 5.02 |
| C06065-C06063 | 8 | 301 | 0.04 | 2 | 1,036.41 | 0.9 | 567 | 555 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,842,872.05 | 9.50 |
| D14105-D14103 | 8 | 80 | 0.025 | 3.2 | 2,378.91 | 0.92 | 460 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,459,344.45 | 7.53 |
| E05157-E05151 | 8 | 253 | 0.008 | 7.9 | 8,442.20 | 0.96 | 520 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 820,620.84 | 4.23 |
| G10075-H10041 | 8 | 256 | 0.008 | 11.6 | 7,133.86 | 0.96 | 392 | 390 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 815,798.35 | 4.21 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| E06093-E06091 | 8 | 160 | 0.013 | 5.8 | 4,920.11 | 0.96 | 507 | 505 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,031,912.36 | 5.32 |
| D11011-D11009 | 8 | 223 | 0.004 | 12.6 | 12,915.91 | 0.97 | 448 | 447 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 618,066.74 | 3.19 |
| D16021-D16019 | 8 | 212 | 0.067 | 9.2 | 680.22 | 0.86 | 509.73 | 495.46 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,394,593.85 | 12.35 |
| F06061-F06059 | 8 | 351 | 0.001 | 34.2 | 87,521.51 | 0.96 | 481.5 | 481 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 348,352.76 | 1.80 |
| C04021-C04019 | 12 | 318 | 0.016 | 3.3 | 6,196.38 | 0.97 | 641 | 636 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,412,211.48 | 6.60 |
| G11027-G11025 | 8 | 307 | 0.003 | 13.8 | 21,556.87 | 0.96 | 384 | 383 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 526,767.07 | 2.72 |
| D16079-D16077 | 8 | 193 | 0.021 | 5.2 | 3,060.99 | 0.97 | 486 | 482 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,328,737.37 | 6.85 |
| D11061-D11057 | 8 | 274 | 0.026 | 3.4 | 2,289.67 | 0.92 | 439 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,475,236.15 | 7.61 |
| F07087-F07085 | 8 | 243 | 0.004 | 20.4 | 24,422.93 | 0.96 | 476 | 475 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 592,085.83 | 3.05 |
| D07011-D07009 | 8 | 103 | 0.01 | 6.6 | 7,913.36 | 0.95 | 491 | 490 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 909,429.83 | 4.69 |
| C06031-C06029 | 8 | 129 | 0.008 | 7.3 | 8,610.19 | 0.97 | 568 | 567 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 812,630.19 | 4.19 |
| F07125-F07079 | 8 | 264 | 0.004 | 23.8 | 27,843.16 | 0.96 | 470 | 469 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 568,049.06 | 2.93 |
| G12063-G12097 | 10 | 405 | 0.01 | 4.8 | 6,679.00 | 0.96 | 385 | 381 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,663,094.75 | 5.15 |
| E08051-E08049 | 8 | 49 | 0.006 | 22.4 | 12,032.06 | 0.96 | 462.3 | 462 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 722,188.21 | 3.72 |
| D03045-D03043 | 8 | 292 | 0.021 | 4.1 | 3,119.92 | 0.97 | 629 | 623 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,323,037.05 | 6.82 |
| F05083-F05081 | 8 | 256 | 0.008 | 7.6 | 9,360.97 | 0.96 | 518 | 516 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 815,798.35 | 4.21 |
| F06121-F06119 | 8 | 327 | 0.003 | 16.7 | 31,128.79 | 0.96 | 484 | 483 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 510,403.84 | 2.63 |
| E04143-E04141 | 8 | 263 | 0.011 | 6.1 | 5,692.78 | 0.95 | 535 | 532 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 985,758.57 | 5.08 |
| D08105-E08065 | 8 | 304 | 0.007 | 12.6 | 10,905.37 | 0.97 | 470 | 468 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 748,627.91 | 3.86 |
| D07077-D07075 | 8 | 236 | 0.004 | 11.9 | 18,106.55 | 0.97 | 525 | 524 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 600,802.60 | 3.10 |
| K11003-K11001 | 18 | 264 | 0.001 | 24.1 | 361,889.83 | 0.95 | 363 | 362.67 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 2,836,587.57 | 2.44 |
| D10099-D09017 | 8 | 451 | 0.009 | 24.6 | 6,041.24 | 0.96 | 447 | 443 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 869,219.64 | 4.48 |
| E04001-E05049 | 8 | 129 | 0.008 | 18.2 | 10,553.27 | 0.97 | 544 | 543 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 812,630.19 | 4.19 |
| D07115-D07113 | 8 | 193 | 0.016 | 13.2 | 3,690.08 | 0.94 | 478 | 475 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,150,720.31 | 5.93 |
| K11061-K11023 | 8 | 265 | 0.003 | 32.8 | 29,981.57 | 0.97 | 346.7 | 346 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 474,366.37 | 2.45 |
| G15067-G15065 | 8 | 323 | 0.006 | 7.7 | 8,773.40 | 0.97 | 494 | 492 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 726,275.75 | 3.75 |
| C04057-C04055 | 8 | 94 | 0.032 | 2.8 | 1,872.53 | 0.97 | 668 | 665 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,648,862.75 | 8.50 |
| E17021-E16077 | 8 | 377 | 0.005 | 15.4 | 19,921.97 | 0.96 | 499 | 497 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 672,252.04 | 3.47 |
| G08003-G08001 | 8 | 395 | 0.01 | 6.7 | 5,511.88 | 0.98 | 437 | 433 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 928,793.69 | 4.79 |
| K11001-K12007 | 18 | 268 | 0.001 | 24.9 | 365,295.20 | 0.95 | 362.67 | 362.33 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 2,857,677.73 | 2.46 |
| L13143-L13141 | 8 | 279 | 0.004 | 13.4 | 21,394.17 | 0.97 | 321 | 320 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 552,567.97 | 2.85 |
| E05141-F05079 | 8 | 266 | 0.015 | 9.7 | 4,067.96 | 0.96 | 513 | 509 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,131,819.01 | 5.84 |
| G14013-G14011 | 8 | 327 | 0.015 | 4.5 | 3,528.01 | 0.94 | 418 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,141,297.68 | 5.89 |
| F04101-F04099 | 8 | 267 | 0.007 | 8.1 | 10,030.83 | 0.97 | 526 | 524 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 798,816.77 | 4.12 |
| F07127-F07125 | 8 | 246 | 0.004 | 14.6 | 25,442.02 | 0.96 | 471 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 588,464.48 | 3.03 |
| E06117-E06115 | 8 | 120 | 0.008 | 7.6 | 9,747.16 | 0.97 | 499 | 498 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 842,552.91 | 4.35 |
| K14089-K14083 | 8 | 252 | 0.004 | 13.7 | 19,198.44 | 0.97 | 318 | 317 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 581,416.75 | 3.00 |
| D08113-D09089 | 10 | 322 | 0.009 | 6.6 | 7,625.58 | 0.97 | 455 | 452 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,615,277.71 | 5.00 |
| H06009-H06007 | 12 | 214 | 0.002 | 25.1 | 150,731.45 | 0.97 | 439.41 | 439 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,191,103.61 | 2.30 |
| F08049-F08047 | 8 | 388 | 0.005 | 10.2 | 12,195.25 | 0.96 | 446 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 662,654.18 | 3.42 |
| D15011-D15009 | 8 | 260 | 0.006 | 12.2 | 16,038.53 | 0.97 | 480.44 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 686,882.39 | 3.54 |
| G03059-G03027 | 8 | 363 | 0.011 | 14.9 | 6,058.70 | 0.96 | 507 | 503 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 968,867.73 | 5.00 |
| H08025-H08023 | 8 | 75 | 0.013 | 5.2 | 5,612.70 | 0.97 | 432 | 431 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,065,754.50 | 5.50 |
| F04194-F04193 | 8 | 202 | 0.02 | 3.9 | 2,727.92 | 0.98 | 535.44 | 531.28 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,321,254.42 | 6.81 |
| E14089-E14087 | 8 | 236 | 0.004 | 15.3 | 28,631.46 | 0.98 | 434.01 | 433.13 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 563,602.80 | 2.91 |
| G09059-G09057 | 8 | 247 | 0.004 | 12.2 | 18,741.51 | 0.97 | 421 | 420 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,272.05 | 3.03 |
| G03055-G03029 | 8 | 363 | 0.011 | 14.1 | 6,061.04 | 0.96 | 508 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 968,867.73 | 5.00 |
| F08003-F08001 | 8 | 239 | 0.004 | 11 | 15,175.00 | 0.97 | 445 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 597,019.97 | 3.08 |
| G07089-G07087 | 8 | 321 | 0.009 | 7.9 | 8,597.41 | 0.98 | 457 | 454 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 892,269.23 | 4.60 |
| F09021-F09019 | 15 | 261 | 0.004 | 7.3 | 33,353.41 | 0.97 | 427 | 426 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,054,013.45 | 3.94 |
| H11139-H11131 | 8 | 265 | 0.004 | 14.4 | 20,330.05 | 0.98 | 376 | 375 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 566,976.25 | 2.92 |
| E09047-E09045 | 8 | 385 | 0.005 | 9.7 | 12,278.81 | 0.96 | 438 | 436 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 665,230.94 | 3.43 |
| F06125-F06123 | 8 | 169 | 0.003 | 16.8 | 31,031.31 | 0.98 | 486.5 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 502,029.75 | 2.59 |
| C04047-C04045 | 8 | 289 | 0.004 | 13 | 21,324.66 | 0.97 | 822.48 | 821.29 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 592,259.95 | 3.05 |
| E04093-E04091 | 6 | 314 | 0.01 | 15.5 | 7,259.59 | 0.98 | 568 | 565 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 418,903.17 | 3.24 |
| D06079-D06077 | 8 | 262 | 0.008 | 7.8 | 9,801.97 | 0.98 | 545 | 543 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 806,403.05 | 4.16 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| D07051-D07049 | 8 | 120 | 0.042 | 2.4 | 1,128.36 | 0.92 | 511 | 506 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,884,005.59 | 9.72 |
| D03129-E03127 | 8 | 381 | 0.016 | 5.7 | 4,463.59 | 0.96 | 584 | 578 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,158,246.36 | 5.97 |
| C07023-C08005 | 8 | 229 | 0.004 | 14.3 | 26,944.86 | 0.98 | 511 | 510 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 609,916.06 | 3.15 |
| E16009-E16003 | 8 | 283 | 0.007 | 17.3 | 13,316.29 | 0.98 | 479 | 477 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 775,906.85 | 4.00 |
| C07017-C07015 | 8 | 85 | 0.024 | 4.6 | 2,460.05 | 0.99 | 530 | 528 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,415,772.08 | 7.30 |
| F18055-F18053 | 8 | 163.7 | 0.06 | 1.9 | 1,020.33 | 0.97 | 625.59 | 615.77 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,265,425.31 | 11.68 |
| E08019-E08017 | 8 | 260 | 0.004 | 13 | 19,497.62 | 0.98 | 447 | 446 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 572,401.99 | 2.95 |
| F15105-F15103 | 8 | 203 | 0.005 | 12.7 | 20,238.50 | 0.97 | 469 | 468 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 647,798.28 | 3.34 |
| J07119-J07117 | 10 | 163 | 0.003 | 13.2 | 36,069.04 | 0.98 | 414.1 | 413.56 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 963,202.47 | 2.98 |
| F18017-F18015 | 8 | 171 | 0.012 | 6.5 | 6,446.81 | 0.97 | 540 | 538 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 998,170.54 | 5.15 |
| G14055-G14053 | 8 | 206 | 0.01 | 5.5 | 5,251.29 | 0.98 | 413 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 909,429.83 | 4.69 |
| E04095-E04089 | 6 | 311 | 0.01 | 16.4 | 7,259.59 | 0.98 | 565 | 562 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 420,918.75 | 3.26 |
| J07141-J07129 | 10 | 164 | 0.003 | 12.5 | 30,064.58 | 0.98 | 416.92 | 416.37 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 969,111.91 | 3.00 |
| C02047-C02043 | 8 | 249 | 0.016 | 6.1 | 4,665.15 | 0.96 | 640 | 636 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,169,817.54 | 6.03 |
| G11047-G11045 | 8 | 289 | 0.007 | 7.7 | 9,230.02 | 0.98 | 383 | 381 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 767,810.21 | 3.96 |
| G08041-G09067 | 8 | 314 | 0.006 | 8.3 | 10,548.75 | 0.98 | 430 | 428 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 736,610.63 | 3.80 |
| D01065-D01063 | 8 | 274 | 0.008 | 0 | 0 | 0 | 603.41 | 601.16 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 836,380.28 | 4.31 |
| F03191-F03185 | 8 | 160 | 0.016 | 6.1 | 4,070.76 | 0.97 | 534.05 | 531.52 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,157,004.72 | 5.97 |
| F15083-F15081 | 8 | 232 | 0.013 | 5.9 | 6,107.31 | 0.99 | 476 | 473 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,049,553.16 | 5.41 |
| F14117-F14115 | 8 | 252 | 0.016 | 5.4 | 4,740.70 | 0.96 | 444 | 440 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,162,833.49 | 6.00 |
| K13015-K13013 | 8 | 200 | 0.038 | 6.8 | 1,343.30 | 1 | 331 | 323.4 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,799,200.68 | 9.28 |
| F07143-F08127 | 8 | 315 | 0.01 | 7.6 | 8,280.78 | 0.99 | 464 | 461 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 900,726.95 | 4.65 |
| H14017-J14113 | 8 | 161 | 0.006 | 8.7 | 11,364.62 | 0.99 | 356 | 355 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 727,402.63 | 3.75 |
| D17067-D17059 | 12 | 72 | 0.003 | 15.8 | 68,277.04 | 0.97 | 511.5 | 511.25 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,603,497.38 | 3.10 |
| E09041-E09039 | 8 | 265 | 0.011 | 33.6 | 5,287.88 | 0.97 | 444 | 441 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 982,031.68 | 5.06 |
| D03071-D03069 | 8 | 291 | 0.01 | 7.1 | 8,677.66 | 0.99 | 613 | 610 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 937,134.53 | 4.83 |
| E06045-E06043 | 8 | 238 | 0.004 | 13 | 19,274.69 | 0.98 | 504 | 503 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 598,272.90 | 3.09 |
| E18057-E18055 | 8 | 298 | 0.011 | 7.5 | 8,734.67 | 0.97 | 533.21 | 529.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 987,317.57 | 5.09 |
| D03023-D03021 | 8 | 303 | 0.02 | 4.2 | 3,737.62 | 0.99 | 614 | 608 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,298,799.52 | 6.70 |
| F06149-F06147 | 8 | 213 | 0.005 | 13.3 | 18,585.66 | 0.99 | 491 | 490 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 632,408.95 | 3.26 |
| G12081-G12071 | 15 | 124 | 0.002 | 12.1 | 75,874.91 | 0.98 | 385.3 | 385 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,426,839.10 | 3.13 |
| D13083-D13081 | 8 | 176 | 0.023 | 8.2 | 3,056.62 | 0.99 | 445 | 441 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,391,430.34 | 7.18 |
| D17083-D17081 | 8 | 232 | 0.004 | 13.7 | 24,359.17 | 0.99 | 502 | 501 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 605,959.80 | 3.13 |
| D13051-D13049 | 10 | 325 | 0.003 | 15.1 | 45,932.61 | 0.98 | 423 | 422 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 928,266.82 | 2.87 |
| E05015-E05013 | 8 | 261 | 0.004 | 14.3 | 22,420.72 | 0.98 | 513 | 512 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 571,304.38 | 2.95 |
| G02021-G02019 | 8 | 196 | 0.003 | 13 | 18,197.85 | 0.79 | 512.81 | 512.22 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 506,390.77 | 2.61 |
| H12043-H12041 | 8 | 139 | 0.002 | 20.4 | 40,449.08 | 0.99 | 366 | 365.68 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 442,848.72 | 2.28 |
| D18007-D18005 | 12 | 307 | 0.003 | 12.3 | 50,073.90 | 0.99 | 516 | 515 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,553,085.30 | 3.00 |
| G14021-F14003 | 12 | 291 | 0.003 | 10.6 | 36,831.46 | 0.99 | 415 | 414.04 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,562,980.72 | 3.02 |
| G02005-G02003 | 8 | 362 | 0.004 | 11.8 | 17,657.15 | 0.99 | 524.22 | 522.69 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 600,038.67 | 3.09 |
| E15069-E15067 | 8 | 367 | 0.014 | 5.8 | 6,091.66 | 0.99 | 479 | 474 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,077,307.73 | 5.56 |
| H11151-H11139 | 8 | 536 | 0.007 | 10.1 | 8,462.54 | 0.99 | 380 | 376 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 797,325.05 | 4.11 |
| E17009-D17085 | 8 | 250 | 0.004 | 13.9 | 24,458.44 | 1 | 504 | 503 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 583,737.78 | 3.01 |
| H04001-H05049 | 8 | 253 | 0.004 | 21.9 | 58,409.40 | 0.99 | 468 | 467 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 580,266.56 | 2.99 |
| D18005-D18003 | 12 | 296 | 0.003 | 13 | 50,368.73 | 0.98 | 515 | 514 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,581,680.07 | 3.06 |
| D15047-D15045 | 8 | 365 | 0.014 | 8.8 | 5,767.02 | 0.99 | 479 | 474 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,080,255.23 | 5.57 |
| E11055-E12177 | 8 | 254 | 0.012 | 6.6 | 6,676.98 | 0.98 | 422 | 419 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,003,070.77 | 5.17 |
| D03001-D04105 | 8 | 223 | 0.004 | 13.2 | 22,946.85 | 0.99 | 617 | 616 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 618,066.74 | 3.19 |
| E04111-E05103 | 6 | 394 | 0.018 | 26.8 | 3,363.96 | 0.98 | 543 | 536 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 571,240.19 | 4.42 |
| G09139-G09127 | 8 | 120 | 0.008 | 9.7 | 12,597.00 | 0.99 | 418 | 417 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 842,552.91 | 4.35 |
| D02071-D02069 | 8 | 131 | 0.015 | 6.4 | 5,293.13 | 1.01 | 616 | 614 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,140,426.12 | 5.88 |
| F04119-F04117 | 8 | 218 | 0.005 | 11.6 | 16,752.96 | 1 | 512.7 | 511.62 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 649,638.03 | 3.35 |
| G13005-G12041 | 8 | 260 | 0.008 | 8.2 | 8,306.43 | 0.99 | 393 | 391 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 809,498.65 | 4.17 |
| G03015-G03013 | 8 | 363 | 0.011 | 18.9 | 6,736.91 | 1.01 | 504 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 968,867.73 | 5.00 |
| C04055-C04053 | 8 | 305 | 0.026 | 4 | 2,495.95 | 0.95 | 665 | 657 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,494,799.28 | 7.71 |
| D11097-E11139 | 8 | 249 | 0.02 | 4.6 | 3,560.27 | 1 | 433 | 428 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,307,895.77 | 6.75 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| G13111-G13109 | 8 | 248 | 0.004 | 11.5 | 16,264.68 | 1 | 392 | 391 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 586,086.84 | 3.02 |
| C04005-C04003 | 8 | 249 | 0.016 | 5 | 5,083.20 | 0.98 | 639 | 635 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,169,817.54 | 6.03 |
| E12027-E12025 | 8 | 235 | 0.009 | 95.6 | 11,488.61 | 0.99 | 416 | 414 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 851,469.06 | 4.39 |
| E15077-E15075 | 8 | 338 | 0.009 | 7.6 | 9,979.31 | 1 | 473 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 869,541.04 | 4.48 |
| D01067-D01065 | 8 | 241 | 0.008 | 0 | 0 | 0 | 605.36 | 603.41 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 830,226.50 | 4.28 |
| E12175-E12173 | 8 | 237 | 0.008 | 8.1 | 10,962.27 | 1 | 416 | 414 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 847,868.76 | 4.37 |
| J07123-J07121 | 10 | 192 | 0.003 | 13.3 | 35,775.36 | 1 | 415.16 | 414.52 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 966,170.74 | 2.99 |
| G09105-G09097 | 8 | 145 | 0.007 | 11.1 | 9,637.04 | 1 | 403 | 402 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 766,485.26 | 3.95 |
| H11143-H11141 | 8 | 523 | 0.008 | 8.3 | 8,717.72 | 1 | 381 | 377 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 807,173.62 | 4.16 |
| D04015-D05069 | 8 | 275 | 0.018 | 7.9 | 4,364.45 | 1.01 | 611 | 606 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,244,533.13 | 6.42 |
| G12083-G12081 | 15 | 295 | 0.002 | 12.2 | 75,936.14 | 0.99 | 386 | 385.3 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,403,417.46 | 3.10 |
| D09087-D09085 | 8 | 298 | 0.01 | 6.6 | 5,783.94 | 1 | 458 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 926,062.51 | 4.78 |
| E12169-E12167 | 8 | 249 | 0.008 | 9.9 | 13,297.19 | 1 | 411 | 409 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 827,185.92 | 4.27 |
| K13011-K13009 | 8 | 344 | 0.027 | 6.7 | 1,979.64 | 0.96 | 332 | 322.54 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,530,573.37 | 7.89 |
| E06051-E06049 | 8 | 216 | 0.014 | 5.7 | 4,920.11 | 1 | 513 | 510 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,087,731.13 | 5.61 |
| J06067-J07141 | 10 | 162 | 0.003 | 12.1 | 30,156.63 | 1 | 417.47 | 416.92 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 975,075.73 | 3.02 |
| D14109-D14087 | 8 | 70 | 0.007 | 9.9 | 12,255.99 | 1 | 452.5 | 452 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 780,052.42 | 4.02 |
| D15015-D15013 | 8 | 199 | 0.015 | 5.2 | 5,088.67 | 1.01 | 488 | 485 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,133,240.00 | 5.84 |
| F09019-F09017 | 15 | 117 | 0.004 | 7.3 | 33,587.66 | 0.99 | 426 | 425.5 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,225,397.69 | 4.16 |
| E09049-E09047 | 8 | 357 | 0.008 | 8 | 7,282.85 | 1 | 441 | 438 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 846,085.64 | 4.36 |
| D16063-D16061 | 8 | 149 | 0.007 | 11.2 | 14,700.66 | 1 | 485 | 484 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 756,126.87 | 3.90 |
| F06085-F06083 | 8 | 224 | 0.007 | 9 | 11,805.52 | 1 | 497.59 | 495.91 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 799,315.88 | 4.12 |
| H05021-H05019 | 10 | 284 | 0.007 | 11.4 | 38,490.48 | 0.99 | 461 | 459 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,404,333.76 | 4.35 |
| F10085-F10083 | 8 | 65 | 0.015 | 4.5 | 3,575.82 | 1.02 | 413 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,144,803.98 | 5.90 |
| J15019-K15015 | 8 | 254 | 0.004 | 13 | 20,972.65 | 1 | 330 | 329 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 579,123.18 | 2.99 |
| F11031-F11029 | 8 | 259 | 0.005 | 12.3 | 18,780.83 | 0.99 | 401 | 399.64 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 668,817.12 | 3.45 |
| E14115-E13089 | 8 | 216 | 0.044 | 5.7 | 1,360.44 | 0.95 | 440 | 430.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,935,631.74 | 9.98 |
| E05021-E05019 | 8 | 249 | 0.008 | 8.2 | 9,550.94 | 1.01 | 519 | 517 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 827,185.92 | 4.27 |
| C04081-D04041 | 8 | 299 | 0.033 | 3.3 | 2,184.71 | 1.03 | 631 | 621 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,687,921.38 | 8.71 |
| E04053-E04051 | 8 | 414 | 0.01 | 7.5 | 8,923.47 | 1.02 | 551 | 547 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 907,230.48 | 4.68 |
| D06103-D06101 | 8 | 370 | 0.019 | 5.6 | 3,690.08 | 1.02 | 545 | 538 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,269,509.53 | 6.55 |
| E02062-E02060 | 8 | 54.8 | 0.007 | 10.4 | 12,338.05 | 1 | 558.3 | 557.91 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 784,374.07 | 4.05 |
| E14135-E14133 | 10 | 330 | 0.009 | 6.2 | 11,859.90 | 0.99 | 440 | 437 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,595,578.46 | 4.94 |
| G13011-G13005 | 8 | 267 | 0.011 | 6.3 | 5,416.20 | 1.01 | 396 | 393 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 978,346.74 | 5.05 |
| E07065-E07057 | 8 | 315 | 0.006 | 15.4 | 13,254.81 | 1.01 | 481 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 735,440.48 | 3.79 |
| J12079-J12077 | 12 | 285 | 0.007 | 33.7 | 17,300.64 | 1 | 359.76 | 357.81 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,250,916.44 | 4.35 |
| H06071-H06069 | 8 | 300 | 0.006 | 9.8 | 11,884.48 | 1.01 | 439.08 | 437.17 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 736,451.01 | 3.80 |
| G07091-G07089 | 8 | 321 | 0.012 | 6.3 | 6,415.48 | 0.99 | 461 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,030,303.76 | 5.31 |
| G14053-G14051 | 8 | 197 | 0.01 | 6.8 | 5,588.59 | 0.99 | 411 | 409 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 929,971.61 | 4.80 |
| F03041-F03033 | 8 | 250 | 0.012 | 7.1 | 6,953.06 | 0.99 | 524 | 521 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,011,063.49 | 5.21 |
| E10081-E10079 | 8 | 284 | 0.004 | 12.9 | 19,565.01 | 1.01 | 415 | 414 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 547,682.21 | 2.82 |
| E06069-E06065 | 8 | 247 | 0.008 | 7.9 | 9,749.94 | 1.01 | 515 | 513 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 830,528.10 | 4.28 |
| D15069-D15067 | 8 | 74 | 0.014 | 5.6 | 6,440.41 | 1.01 | 490 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,072,931.38 | 5.53 |
| D02037-D02035 | 8 | 295 | 0.017 | 5.1 | 4,679.53 | 1 | 627 | 622 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,201,605.21 | 6.20 |
| J11117-J11115 | 8 | 366 | 0.005 | 13.2 | 21,144.53 | 0.99 | 375 | 373 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 682,279.41 | 3.52 |
| C04011-C04009 | 8 | 272 | 0.022 | 4 | 3,428.38 | 1.01 | 626 | 620 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,370,815.42 | 7.07 |
| H05023-H05021 | 10 | 285 | 0.007 | 11.4 | 37,985.07 | 1 | 463 | 461 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,401,867.85 | 4.34 |
| D03021-D03019 | 8 | 319 | 0.019 | 5.2 | 4,664.23 | 1.02 | 608 | 602 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,265,808.74 | 6.53 |
| J14011-J14009 | 8 | 325 | 0.006 | 9.6 | 12,406.51 | 1.01 | 335 | 333 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 724,037.61 | 3.73 |
| F12135-F12133 | 8 | 250 | 0.008 | 9.1 | 14,033.58 | 1.01 | 401 | 399 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 825,529.89 | 4.26 |
| D13071-D13069 | 8 | 62 | 0.004 | 16.2 | 31,031.61 | 1.01 | 430.5 | 430.25 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 586,086.84 | 3.02 |
| G10059-G10057 | 8 | 269 | 0.004 | 13.6 | 21,593.99 | 1.01 | 395 | 394 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 562,745.03 | 2.90 |
| H09009-H09007 | 8 | 290 | 0.003 | 18.9 | 42,518.56 | 1 | 408 | 407 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 541,986.92 | 2.80 |
| E05037-E05035 | 8 | 357 | 0.006 | 28.7 | 18,357.29 | 1 | 531 | 529 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 690,826.04 | 3.56 |
| C11011-C11009 | 8 | 181 | 0.006 | 12.4 | 11,834.45 | 1 | 558 | 557 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 686,038.55 | 3.54 |
| G15013-G15011 | 8 | 251 | 0.012 | 6.4 | 7,459.89 | 0.99 | 445 | 442 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,009,047.41 | 5.20 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| H05049-H05047 | 8 | 253 | 0.004 | 22.3 | 63,337.33 | 1 | 467 | 466 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 580,266.56 | 2.99 |
| E03115-E03113 | 8 | 207 | 0.019 | 5.2 | 4,398.92 | 0.99 | 577 | 573 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,283,017.65 | 6.62 |
| J11015-J11013 | 8 | 299 | 0.013 | 7.3 | 7,076.73 | 1.02 | 378 | 374 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,067,535.21 | 5.51 |
| E12109-E12107 | 8 | 70 | 0.014 | 9.3 | 6,420.16 | 1.01 | 409 | 408 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,103,160.71 | 5.69 |
| G10057-H10043 | 8 | 269 | 0.004 | 13.8 | 22,938.78 | 1.01 | 394 | 393 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 562,745.03 | 2.90 |
| F11049-F11047 | 8 | 284 | 0.004 | 14 | 20,717.04 | 1.01 | 396 | 395 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 547,682.21 | 2.82 |
| H04017-H04015 | 8 | 303 | 0.007 | 13.2 | 27,923.91 | 1.01 | 478 | 476 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 749,862.25 | 3.87 |
| G05001-H05023 | 10 | 286 | 0.007 | 11.3 | 37,762.66 | 1.01 | 465 | 463 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,399,414.89 | 4.33 |
| C10001-D10087 | 8 | 324 | 0.005 | 9.9 | 13,546.18 | 1.02 | 485 | 483.35 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 658,653.91 | 3.40 |
| D14037-D14035 | 8 | 243 | 0.045 | 2.6 | 1,360.44 | 0.96 | 481 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,963,726.55 | 10.13 |
| F04099-F05067 | 8 | 259 | 0.008 | 11.6 | 11,661.83 | 1.02 | 524 | 522 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 811,059.89 | 4.18 |
| C02021-C02019 | 8 | 269 | 0.011 | 10 | 7,268.42 | 1.02 | 639 | 636 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 974,702.98 | 5.03 |
| C07095-C07093 | 8 | 295 | 0.007 | 10.4 | 13,837.67 | 1.01 | 527 | 525 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 759,961.86 | 3.92 |
| G09151-G09149 | 8 | 190 | 0.01 | 7.5 | 10,306.44 | 1.02 | 425.82 | 424 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 903,330.56 | 4.66 |
| G14023-G14021 | 12 | 266 | 0.004 | 10.3 | 34,329.15 | 1.01 | 416 | 415 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,668,490.28 | 3.23 |
| G05115-G05113 | 8 | 188 | 0.011 | 6.5 | 7,665.28 | 1.01 | 491 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 951,971.35 | 4.91 |
| H09007-H09005 | 8 | 270 | 0.004 | 19.1 | 42,091.73 | 1.01 | 407 | 406 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 561,701.94 | 2.90 |
| D06085-D06073 | 8 | 223 | 0.004 | 15.2 | 20,325.63 | 1.01 | 534 | 533 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 618,066.74 | 3.19 |
| E05061-E05059 | 8 | 421 | 0.012 | 6.7 | 7,253.48 | 1 | 532 | 527 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,005,846.62 | 5.19 |
| F09111-F09109 | 8 | 131 | 0.008 | 8.5 | 9,298.24 | 1.02 | 430 | 429 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 806,403.05 | 4.16 |
| D13075-D13073 | 8 | 255 | 0.004 | 17 | 29,525.81 | 1.02 | 432 | 431 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 577,986.53 | 2.98 |
| E13013-E13011 | 8 | 300 | 0.01 | 7.1 | 8,637.36 | 1.03 | 427 | 424 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 922,970.47 | 4.76 |
| F06119-F06117 | 10 | 243 | 0.004 | 12.6 | 30,786.48 | 1.01 | 483 | 482 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,073,523.05 | 3.32 |
| F15085-F15083 | 8 | 148 | 0.02 | 4.8 | 4,073.08 | 1.03 | 479 | 476 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,314,067.21 | 6.78 |
| D14101-D14099 | 8 | 105 | 0.01 | 8.1 | 9,182.96 | 1.02 | 458 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 900,726.95 | 4.65 |
| G11005-G11003 | 8 | 290 | 0.014 | 5 | 4,593.81 | 1.03 | 384 | 380 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,083,973.85 | 5.59 |
| E18051-D18017 | 8 | 308 | 0.015 | 7.3 | 8,692.81 | 1.01 | 528.15 | 523.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,134,067.55 | 5.85 |
| D13103-D13101 | 8 | 275 | 0.029 | 2.9 | 2,380.77 | 1.01 | 513 | 505 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,574,223.73 | 8.12 |
| G10063-G10061 | 8 | 281 | 0.004 | 12 | 17,973.83 | 1.02 | 397 | 395.86 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,877.82 | 3.03 |
| F02157-F02155 | 8 | 300 | 0.001 | 36.3 | 76,223.35 | 0.81 | 539.36 | 539.1 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 271,715.15 | 1.40 |
| E12173-E12171 | 8 | 230 | 0.009 | 9.2 | 11,992.50 | 1.02 | 414 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 860,674.40 | 4.44 |
| D02107-D02105 | 8 | 254 | 0.012 | 6 | 6,939.20 | 1.03 | 623 | 620 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,003,070.77 | 5.17 |
| H05043-H05025 | 8 | 271 | 0.004 | 24.3 | 72,775.89 | 1.02 | 463 | 462 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 560,664.63 | 2.89 |
| J06077-J06075 | 8 | 34 | 0.012 | 7.1 | 5,810.53 | 1.01 | 426.95 | 426.53 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,025,824.33 | 5.29 |
| K12047-K12045 | 8 | 293 | 0.01 | 8.6 | 7,140.11 | 1.03 | 355 | 352 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 933,930.64 | 4.82 |
| F08113-F08107 | 12 | 278 | 0.001 | 37.9 | 175,034.09 | 1.02 | 452 | 451.7 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 893,928.38 | 1.73 |
| E08017-E08015 | 8 | 249 | 0.004 | 33.7 | 22,133.50 | 1.02 | 446 | 445 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 584,908.77 | 3.02 |
| F11015-F11013 | 8 | 390 | 0.008 | 10.5 | 15,579.67 | 1.02 | 400 | 397 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 809,498.65 | 4.17 |
| D02047-D02021 | 8 | 235 | 0.013 | 10.3 | 6,190.55 | 1.01 | 604 | 601 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,042,832.37 | 5.38 |
| J14073-J14071 | 8 | 126 | 0.004 | 13.4 | 22,415.41 | 1.02 | 336 | 335.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 581,416.75 | 3.00 |
| F12087-F12085 | 8 | 237 | 0.008 | 9 | 14,096.15 | 1.02 | 402 | 400 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 847,868.76 | 4.37 |
| F04185-F04183 | 8 | 262 | 0.006 | 12.6 | 16,676.17 | 1.01 | 529 | 527.54 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 688,991.06 | 3.55 |
| F06097-F06067 | 8 | 160 | 0.013 | 11.1 | 7,618.18 | 1.01 | 488 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,031,912.36 | 5.32 |
| E12037-E12035 | 8 | 254 | 0.008 | 10.9 | 14,619.14 | 1.03 | 418 | 416 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 819,003.86 | 4.22 |
| E06043-E06041 | 8 | 247 | 0.004 | 19.1 | 23,892.38 | 1.03 | 503 | 502 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,272.05 | 3.03 |
| D05027-D05025 | 8 | 224 | 0.027 | 4 | 2,458.12 | 1.04 | 591 | 585 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,510,565.02 | 7.79 |
| E13011-E13009 | 8 | 304 | 0.01 | 7.9 | 9,627.31 | 1.03 | 424 | 421 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 916,878.19 | 4.73 |
| E15061-E15059 | 8 | 328 | 0.006 | 13.9 | 18,655.14 | 1.03 | 462 | 460 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 720,718.85 | 3.72 |
| D03047-D03037 | 8 | 327 | 0.012 | 7.8 | 8,064.12 | 1.01 | 611 | 607 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,020,807.67 | 5.26 |
| E16017-E16015 | 8 | 318 | 0.013 | 13.7 | 6,962.56 | 1.02 | 482 | 478 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,035,152.28 | 5.34 |
| F02041-F02039 | 8 | 67 | 0.006 | 2.9 | 996.28 | 0.43 | 524.74 | 524.36 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 695,091.86 | 3.58 |
| G10051-G10039 | 8 | 136 | 0.004 | 16 | 23,336.34 | 1.03 | 401.5 | 401 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 559,633.05 | 2.89 |
| D13081-D13079 | 8 | 205 | 0.005 | 12.9 | 22,895.57 | 1.03 | 441 | 440 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 644,630.54 | 3.32 |
| J14071-J14069 | 8 | 120 | 0.004 | 13.2 | 22,123.95 | 1.03 | 335.5 | 335 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 595,774.88 | 3.07 |
| E03135-E03091 | 8 | 215 | 0.009 | 14.1 | 10,561.65 | 1.03 | 565 | 563 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 890,191.77 | 4.59 |
| E12055-E12053 | 8 | 397 | 0.01 | 7.7 | 9,747.84 | 1.03 | 425 | 421 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 926,451.20 | 4.78 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| F09027-F09023 | 8 | 302 | 0.003 | 16.8 | 32,532.79 | 1.03 | 429 | 428 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 531,109.83 | 2.74 |
| H13019-H13013 | 8 | 249 | 0.004 | 15.1 | 25,732.10 | 1.03 | 371.44 | 370.56 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 548,693.06 | 2.83 |
| E04067-E04057 | 8 | 129 | 0.023 | 6.3 | 3,363.96 | 1.04 | 547 | 544 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,407,516.77 | 7.26 |
| K09007-K09005 | 12 | 301 | 0.01 | 9.4 | 43,556.71 | 1.01 | 384.38 | 381.52 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,652,554.20 | 5.13 |
| F05097-F05087 | 8 | 293 | 0.017 | 8.1 | 4,406.56 | 1.06 | 515 | 510 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,205,699.27 | 6.22 |
| F10059-F10057 | 8 | 224 | 0.004 | 11.2 | 16,463.29 | 1.04 | 408 | 407 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 616,685.59 | 3.18 |
| H05045-H05043 | 8 | 265 | 0.004 | 24.2 | 72,313.08 | 1.03 | 464 | 463 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 566,976.25 | 2.92 |
| E12115-E12107 | 8 | 256 | 0.008 | 11 | 13,541.50 | 1.04 | 410 | 408 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 815,798.35 | 4.21 |
| F18013-F18011 | 8 | 331 | 0.012 | 17.5 | 8,784.35 | 1.06 | 536 | 532 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,014,620.90 | 5.23 |
| E07071-E07069 | 8 | 244 | 0.016 | 5.3 | 4,842.43 | 1.05 | 489 | 485 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,181,742.60 | 6.09 |
| E01027-E01025 | 8 | 217 | 0.004 | 0 | 0 | 0 | 590.3 | 589.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 560,406.20 | 2.89 |
| G12009-G12007 | 8 | 265 | 0.006 | 19.1 | 12,744.54 | 1.03 | 381 | 379.48 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 699,015.27 | 3.61 |
| G15017-G15013 | 8 | 260 | 0.015 | 5.6 | 5,525.19 | 1.03 | 449 | 445 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,144,803.98 | 5.90 |
| H07015-H07013 | 8 | 264 | 0.003 | 17.3 | 30,184.34 | 1.03 | 437.19 | 436.3 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 535,896.41 | 2.76 |
| E05113-E05111 | 8 | 201 | 0.005 | 12 | 18,606.31 | 1.04 | 518 | 517 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 651,013.18 | 3.36 |
| K11005-K11003 | 18 | 232 | 0.002 | 23.4 | 358,128.59 | 1.03 | 363.36 | 363 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 3,160,446.53 | 2.72 |
| H04013-H04007 | 8 | 304 | 0.006 | 16.8 | 42,166.71 | 1.03 | 473.68 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 686,128.81 | 3.54 |
| J07125-J07123 | 10 | 137 | 0.004 | 13 | 35,856.59 | 1.04 | 415.66 | 415.16 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,010,972.23 | 3.13 |
| G12015-G12013 | 8 | 102 | 0.006 | 8.8 | 11,205.83 | 1.03 | 384.3 | 383.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 707,886.04 | 3.65 |
| G15011-G15009 | 8 | 262 | 0.011 | 7.2 | 8,527.83 | 1.04 | 442 | 439 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 987,637.99 | 5.09 |
| G12017-G12015 | 8 | 113 | 0.006 | 8.6 | 10,877.13 | 1.04 | 385 | 384.3 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 726,436.41 | 3.75 |
| E04003-E04001 | 8 | 394 | 0.013 | 7 | 7,248.34 | 1.03 | 549 | 544 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,039,739.87 | 5.36 |
| H13087-H12067 | 8 | 261 | 0.004 | 13.7 | 23,108.11 | 1.04 | 376 | 375 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 571,304.38 | 2.95 |
| E05111-E05109 | 8 | 211 | 0.005 | 12.4 | 20,821.65 | 1.05 | 517 | 516 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 635,399.08 | 3.28 |
| H06061-H06059 | 8 | 350 | 0.008 | 9.2 | 10,567.19 | 1.04 | 444.4 | 441.6 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 825,529.89 | 4.26 |
| E06067-E06065 | 8 | 96 | 0.021 | 6 | 3,690.08 | 1.06 | 515 | 513 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,332,193.13 | 6.87 |
| D05023-D05021 | 8 | 102 | 0.01 | 6.9 | 8,526.77 | 1.05 | 586 | 585 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 913,876.95 | 4.71 |
| G09117-H09013 | 8 | 306 | 0.003 | 19.4 | 43,371.92 | 1.04 | 410 | 409 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 527,627.10 | 2.72 |
| G05113-G05111 | 8 | 176 | 0.011 | 7 | 8,310.58 | 1.05 | 489 | 487 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 983,889.83 | 5.07 |
| D07095-D07091 | 8 | 337 | 0.012 | 15.4 | 6,848.04 | 1.05 | 489 | 485 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,005,548.11 | 5.19 |
| D15023-E15025 | 8 | 262 | 0.011 | 7.9 | 9,162.44 | 1.05 | 464 | 461 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 987,637.99 | 5.09 |
| C07091-C07087 | 8 | 293 | 0.007 | 11.1 | 16,216.78 | 1.04 | 524 | 522 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 762,551.18 | 3.93 |
| E12015-E12013 | 8 | 206 | 0.005 | 13.5 | 24,982.23 | 1.04 | 415 | 414 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 643,064.00 | 3.32 |
| G13115-G13113 | 8 | 237 | 0.004 | 11.5 | 16,820.44 | 1.05 | 395 | 394 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 599,533.75 | 3.09 |
| C02001-D02001 | 8 | 353 | 0.003 | 23.4 | 58,966.24 | 1.04 | 626 | 625 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 491,247.61 | 2.53 |
| D06095-D06021 | 8 | 333 | 0.003 | 25.3 | 35,943.61 | 1.05 | 529 | 528 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 505,784.70 | 2.61 |
| F07157-F08141 | 8 | 314 | 0.01 | 8.3 | 10,322.09 | 1.05 | 461 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 902,160.09 | 4.65 |
| F17019-F17017 | 12 | 244 | 0.002 | 21.2 | 120,841.72 | 1.04 | 523 | 522.5 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,231,840.81 | 2.38 |
| K14071-K14069 | 8 | 228 | 0.004 | 13.1 | 22,543.89 | 1.05 | 329 | 328 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 611,252.13 | 3.15 |
| G12011-G12009 | 8 | 354 | 0.006 | 9.3 | 12,351.20 | 1.04 | 383 | 381 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 693,747.09 | 3.58 |
| E08065-E08063 | 8 | 303 | 0.003 | 16.9 | 32,228.82 | 1.04 | 468 | 467 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 530,232.68 | 2.73 |
| D08039-D08007 | 15 | 202 | 0.005 | 21.1 | 48,479.86 | 1.04 | 457 | 456 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,471,486.77 | 4.48 |
| J07129-J07125 | 10 | 199 | 0.004 | 13 | 35,977.40 | 1.04 | 416.37 | 415.66 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 999,579.05 | 3.09 |
| E01029-E01027 | 8 | 220 | 0.004 | 0 | 0 | 0 | 591.1 | 590.3 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 556,572.14 | 2.87 |
| F11021-F11019 | 8 | 394 | 0.005 | 15.3 | 33,330.07 | 1.05 | 398 | 396 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 657,589.23 | 3.39 |
| F12109-F12107 | 8 | 265 | 0.011 | 41.1 | 10,112.41 | 1.05 | 403 | 400 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 982,031.68 | 5.06 |
| E14111-E14093 | 8 | 270 | 0.019 | 9.3 | 4,743.70 | 1.02 | 440 | 434.98 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,258,513.23 | 6.49 |
| E14133-E14131 | 10 | 367 | 0.011 | 7.3 | 12,174.49 | 1.04 | 437 | 433 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,747,074.69 | 5.41 |
| F09083-F09081 | 8 | 457 | 0.022 | 15.3 | 2,758.60 | 1.05 | 434 | 424 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,365,305.08 | 7.04 |
| F05091-F05089 | 8 | 377 | 0.011 | 8.2 | 8,088.09 | 1.05 | 515 | 511 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 950,707.95 | 4.90 |
| C02043-C02041 | 8 | 257 | 0.012 | 9 | 11,851.60 | 1.05 | 636 | 633.02 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 993,869.53 | 5.13 |
| D10067-D10065 | 8 | 333 | 0.006 | 9.7 | 12,436.84 | 1.04 | 450 | 448 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 715,287.59 | 3.69 |
| F13011-F13009 | 8 | 298 | 0.007 | 8.4 | 10,190.95 | 1.05 | 413 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 756,126.87 | 3.90 |
| D07009-D07141 | 8 | 233 | 0.013 | 7.3 | 8,000.76 | 1.03 | 490 | 487 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,047,298.48 | 5.40 |
| K11073-K11071 | 8 | 317 | 0.003 | 17 | 32,449.25 | 1.05 | 348 | 347 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 518,391.86 | 2.67 |
| K13009-K13007 | 8 | 261 | 0.006 | 11.3 | 16,963.48 | 1.04 | 322.54 | 321 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 708,970.09 | 3.66 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| D15027-D15025 | 8 | 91 | 0.011 | 7.3 | 9,184.72 | 1.04 | 466 | 465 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 967,535.95 | 4.99 |
| H04025-H04023 | 8 | 127 | 0.016 | 8.2 | 14,004.69 | 1.04 | 478 | 476 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,158,246.36 | 5.97 |
| D05065-D05063 | 8 | 360 | 0.022 | 4 | 4,049.85 | 1.05 | 603 | 595 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,375,883.14 | 7.10 |
| G13119-H13079 | 10 | 263 | 0.008 | 7.5 | 9,883.58 | 1.06 | 385 | 383.02 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,452,008.74 | 4.49 |
| F08033-F08031 | 8 | 367 | 0.003 | 17.6 | 32,430.23 | 1.06 | 440 | 439 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 481,786.66 | 2.48 |
| D03033-D03031 | 8 | 329 | 0.021 | 4.5 | 4,362.29 | 1.06 | 618 | 611 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,346,290.80 | 6.94 |
| H13013-H13007 | 8 | 265 | 0.004 | 16.7 | 28,284.86 | 1.05 | 370.56 | 369.63 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 546,772.10 | 2.82 |
| C04059-C04057 | 8 | 161 | 0.081 | 2 | 936.59 | 1.04 | 681 | 668 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,622,687.49 | 13.53 |
| J08049-J08035 | 8 | 239 | 0.01 | 6.8 | 8,307.73 | 1.06 | 399.24 | 396.88 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 917,159.48 | 4.73 |
| G13071-F13037 | 8 | 226 | 0.005 | 13.3 | 13,830.68 | 1.06 | 405 | 403.84 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 661,245.28 | 3.41 |
| E04059-E04057 | 8 | 267 | 0.011 | 7.9 | 8,912.10 | 1.06 | 547 | 544 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 978,346.74 | 5.05 |
| C06079-C06077 | 8 | 154 | 0.058 | 2 | 1,130.51 | 1.07 | 573 | 564 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,231,252.40 | 11.51 |
| K12007-K12005 | 18 | 263 | 0.001 | 25.7 | 411,954.07 | 1.04 | 362.33 | 362 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 2,841,975.20 | 2.44 |
| F15109-F15107 | 8 | 281 | 0.007 | 10.1 | 16,563.79 | 1.06 | 477 | 475 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 778,663.19 | 4.02 |
| E04057-E04049 | 8 | 253 | 0.008 | 11.1 | 13,900.41 | 1.06 | 544 | 542 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 820,620.84 | 4.23 |
| F09097-F09085 | 8 | 227 | 0.004 | 20.2 | 21,676.06 | 1.06 | 426 | 425 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 612,597.02 | 3.16 |
| E11049-E11047 | 8 | 291 | 0.021 | 5.8 | 4,846.82 | 1.07 | 428 | 422 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,325,308.36 | 6.84 |
| E11029-F11023 | 8 | 386 | 0.005 | 14.6 | 30,719.81 | 1.06 | 403 | 401 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 664,368.68 | 3.43 |
| J14117-J14115 | 8 | 318 | 0.003 | 100 | 38,157.04 | 1.06 | 334 | 333 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 517,576.14 | 2.67 |
| F13101-F12103 | 8 | 307 | 0.007 | 11.6 | 19,839.69 | 1.06 | 411 | 409 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 744,961.14 | 3.84 |
| G08019-G08017 | 8 | 318 | 0.005 | 10.9 | 17,194.04 | 1.06 | 442.74 | 441 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 682,729.82 | 3.52 |
| D06099-D06097 | 8 | 326 | 0.006 | 10.5 | 15,664.93 | 1.05 | 534 | 532 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 722,926.27 | 3.73 |
| F08007-F08005 | 8 | 213 | 0.019 | 5 | 3,640.30 | 1.05 | 451 | 447 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,264,817.89 | 6.52 |
| F04167-F04165 | 8 | 251 | 0.004 | 15.9 | 30,090.36 | 1.06 | 527 | 526 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 582,573.80 | 3.00 |
| F09113-F09111 | 8 | 102 | 0.009 | 7.4 | 8,842.63 | 1.06 | 430.9 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 866,979.79 | 4.47 |
| D01029-D01027 | 8 | 278 | 0.011 | 7.4 | 9,948.35 | 1.07 | 622 | 619 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 958,795.61 | 4.94 |
| G04107-G04105 | 12 | 262 | 0.015 | 3.7 | 7,612.31 | 1.06 | 502 | 498 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,362,357.19 | 6.50 |
| D17085-D17083 | 8 | 194 | 0.005 | 13.4 | 24,397.81 | 1.06 | 503 | 502 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 662,654.18 | 3.42 |
| H08023-H08021 | 8 | 57 | 0.018 | 4.9 | 5,559.14 | 1.08 | 431 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,222,504.25 | 6.30 |
| H11031-H11029 | 8 | 28 | 0.036 | 3.7 | 1,794.91 | 1.1 | 373 | 372 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,744,250.24 | 9.00 |
| E06059-E06057 | 8 | 253 | 0.012 | 7.3 | 7,380.16 | 1.07 | 511 | 508 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,005,051.17 | 5.18 |
| K11013-K11011 | 18 | 328 | 0.002 | 27 | 354,598.69 | 1.05 | 364 | 363.5 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 3,132,486.94 | 2.69 |
| E18061-E18059 | 8 | 329 | 0.013 | 6.5 | 8,776.25 | 1.07 | 541.8 | 537.6 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,042,832.37 | 5.38 |
| J14007-J14005 | 8 | 213 | 0.005 | 12.4 | 20,921.78 | 1.06 | 332 | 331 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 632,408.95 | 3.26 |
| D15065-D15053 | 8 | 370 | 0.011 | 8.8 | 10,000.07 | 1.06 | 480 | 476 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 959,659.00 | 4.95 |
| E16043-E16041 | 8 | 229 | 0.013 | 8.4 | 7,865.87 | 1.1 | 485 | 482 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,056,405.60 | 5.45 |
| E05151-E05149 | 8 | 254 | 0.008 | 8.7 | 12,445.83 | 1.07 | 518 | 516 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 819,003.86 | 4.22 |
| F14029-F14027 | 8 | 345 | 0.006 | 9.4 | 12,767.61 | 1.06 | 435 | 433 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 702,737.71 | 3.62 |
| H13029-H13027 | 8 | 48 | 0.006 | 11.3 | 12,461.04 | 1.05 | 373.2 | 372.9 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 729,672.23 | 3.76 |
| E14025-E14023 | 8 | 220 | 0.005 | 14.5 | 28,033.89 | 1.07 | 455 | 454 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 622,266.57 | 3.21 |
| F12103-F12101 | 8 | 327 | 0.006 | 12.1 | 21,836.55 | 1.05 | 409 | 407 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 721,820.03 | 3.72 |
| E11033-E11031 | 8 | 395 | 0.005 | 14.2 | 28,801.59 | 1.06 | 408 | 406 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 656,756.31 | 3.39 |
| E05019-E05017 | 8 | 266 | 0.008 | 9.8 | 13,073.15 | 1.07 | 517 | 515 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 800,316.90 | 4.13 |
| E05007-E05005 | 8 | 310 | 0.023 | 5.1 | 3,650.96 | 1.07 | 535 | 528 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,386,934.59 | 7.15 |
| E04101-E04099 | 8 | 265 | 0.011 | 7.5 | 9,444.48 | 1.06 | 554 | 551 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 982,031.68 | 5.06 |
| F14001-F13049 | 12 | 256 | 0.005 | 10.1 | 36,923.04 | 1.05 | 412 | 410.83 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,839,659.49 | 3.56 |
| G02029-G02027 | 8 | 240 | 0.004 | 12 | 18,007.38 | 0.84 | 511.36 | 510.38 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 589,787.04 | 3.04 |
| E18059-E18057 | 8 | 323 | 0.014 | 6.6 | 8,753.68 | 1.06 | 537.6 | 533.21 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,076,016.19 | 5.55 |
| H04015-H04013 | 8 | 297 | 0.008 | 14.8 | 28,602.13 | 1.07 | 476 | 473.68 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 815,743.41 | 4.21 |
| E14105-E14093 | 8 | 360 | 0.014 | 10.1 | 7,769.60 | 1.06 | 439.98 | 434.98 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,087,731.13 | 5.61 |
| J12015-J12027 | 30 | 257 | 0.001 | 13.3 | 454,503.88 | 1.06 | 359.38 | 359 | Vitrified Clay Pipe-Circular-30 inch | 4.9 | 12,046,561.19 | 3.80 |
| E03065-E03063 | 8 | 106 | 0.009 | 8.7 | 12,187.03 | 1.07 | 575 | 574 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 896,468.17 | 4.62 |
| E13101-E13099 | 10 | 378 | 0.005 | 12 | 30,897.76 | 1.08 | 427 | 425 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,217,260.72 | 3.77 |
| H11157-H11129 | 8 | 530 | 0.009 | 12.6 | 8,569.94 | 1.07 | 379 | 374 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 896,468.17 | 4.62 |
| C06077-C06075 | 8 | 246 | 0.041 | 3.4 | 1,600.81 | 1.08 | 564 | 554 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,860,888.08 | 9.60 |
| E04037-E04035 | 8 | 392 | 0.01 | 10.5 | 11,082.82 | 1.07 | 548 | 544 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 932,340.97 | 4.81 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| F13047-F13045 | 12 | 331 | 0.005 | 9.7 | 36,826.58 | 1.05 | 410.61 | 409 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,897,856.80 | 3.67 |
| D03075-D03073 | 8 | 297 | 0.017 | 5.5 | 6,221.00 | 1.07 | 623 | 618 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,197,552.56 | 6.18 |
| E13085-E13079 | 8 | 255 | 0.004 | 17.7 | 39,351.05 | 1.07 | 430 | 429 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 577,986.53 | 2.98 |
| E03053-E03051 | 6 | 314 | 0.013 | 13.2 | 7,246.66 | 1.08 | 573 | 569 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 483,707.72 | 3.74 |
| E03069-E03049 | 6 | 314 | 0.013 | 17.2 | 7,246.66 | 1.08 | 570 | 566 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 483,707.72 | 3.74 |
| F07135-F08121 | 8 | 314 | 0.01 | 8.4 | 11,800.56 | 1.08 | 463 | 460 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 902,160.09 | 4.65 |
| D13027-D13025 | 8 | 247 | 0.004 | 15.2 | 29,434.91 | 1.08 | 428 | 427 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,272.05 | 3.03 |
| D05091-D05089 | 8 | 277 | 0.029 | 3.6 | 3,116.06 | 1.09 | 601 | 593 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,568,530.31 | 8.09 |
| G03051-G03031 | 8 | 359 | 0.014 | 13.3 | 6,397.92 | 1.07 | 510 | 505 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,089,245.03 | 5.62 |
| F03177-F04177 | 8 | 264 | 0.008 | 10 | 14,055.72 | 1.08 | 537 | 535 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 803,342.68 | 4.14 |
| D18003-D18001 | 12 | 263 | 0.004 | 15.4 | 68,597.78 | 1.08 | 514 | 513 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,677,979.40 | 3.25 |
| E06057-E06055 | 8 | 244 | 0.008 | 15.4 | 12,175.92 | 1.08 | 508 | 506 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 835,618.20 | 4.31 |
| J11007-J11005 | 8 | 297 | 0.024 | 5.3 | 4,186.70 | 1.08 | 381 | 374 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,416,963.30 | 7.31 |
| F02039-G02053 | 8 | 176 | 0.005 | 3 | 992.41 | 0.42 | 524.36 | 523.41 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 678,099.27 | 3.50 |
| L14039-K14083 | 8 | 228 | 0.009 | 11.4 | 10,836.11 | 1.08 | 319 | 317 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 864,441.05 | 4.46 |
| J15021-J15019 | 8 | 45 | 0.006 | 12.1 | 18,000.33 | 1.08 | 330.25 | 330 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 687,941.57 | 3.55 |
| F01001-F02047 | 8 | 457 | 0.006 | 0.8 | 0 | 0 | 532.57 | 529.97 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 696,171.73 | 3.59 |
| G02027-G02025 | 8 | 99 | 0.004 | 12 | 18,051.37 | 0.86 | 511.77 | 511.36 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 593,966.76 | 3.06 |
| F07017-F07015 | 8 | 220 | 0.005 | 16.1 | 34,981.23 | 1.07 | 453 | 452 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 622,266.57 | 3.21 |
| H09005-H09003 | 8 | 270 | 0.004 | 22.7 | 48,076.83 | 1.07 | 406 | 405 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 561,701.94 | 2.90 |
| H11133-H11131 | 8 | 529 | 0.009 | 11.4 | 9,013.48 | 1.08 | 380 | 375 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 897,315.09 | 4.63 |
| D07087-D07085 | 8 | 97 | 0.031 | 4.9 | 2,460.05 | 1.1 | 508 | 505 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,623,164.62 | 8.37 |
| G08117-G08115 | 12 | 399 | 0.005 | 12.1 | 37,141.45 | 1.07 | 436 | 434 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,926,606.62 | 3.73 |
| D03043-D03041 | 8 | 313 | 0.019 | 4.8 | 4,987.21 | 1.06 | 623 | 617 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,277,883.50 | 6.59 |
| J14111-J14109 | 8 | 216 | 0.005 | 13.2 | 21,871.91 | 1.09 | 353 | 352 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 628,001.86 | 3.24 |
| H13001-G13107 | 8 | 374 | 0.003 | 18.2 | 34,401.31 | 1.09 | 392 | 391 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 477,256.67 | 2.46 |
| E13077-E13075 | 8 | 316 | 0.003 | 23.8 | 53,565.08 | 1.09 | 427 | 426 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 519,211.46 | 2.68 |
| J08035-J08033 | 8 | 179 | 0.011 | 12.7 | 8,103.14 | 1.08 | 396.88 | 394.87 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 978,046.09 | 5.04 |
| D14075-D14073 | 8 | 264 | 0.042 | 3 | 2,040.66 | 1.09 | 474 | 463 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,884,005.59 | 9.72 |
| G13107-G13105 | 8 | 352 | 0.003 | 18.1 | 35,039.78 | 1.09 | 391 | 390 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 491,944.91 | 2.54 |
| D06121-D06119 | 8 | 228 | 0.013 | 12.2 | 7,053.95 | 1.09 | 525 | 522 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,058,719.74 | 5.46 |
| H11037-H11035 | 8 | 238 | 0.013 | 90.9 | 5,816.85 | 1.1 | 373 | 369.92 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,049,964.67 | 5.42 |
| E16087-E16085 | 6 | 100 | 0.02 | 9.5 | 4,161.58 | 1.1 | 504 | 502 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 606,084.03 | 4.69 |
| K11015-K11013 | 18 | 323 | 0.002 | 22.7 | 354,948.63 | 1.07 | 364.5 | 364 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 3,156,639.09 | 2.71 |
| F15015-F15013 | 8 | 163 | 0.026 | 5.3 | 2,989.48 | 1.09 | 457 | 452.78 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,485,081.30 | 7.66 |
| F06129-F06127 | 8 | 127 | 0.004 | 15.8 | 31,183.12 | 1.09 | 487.5 | 487 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 579,123.18 | 2.99 |
| E15079-E15077 | 8 | 334 | 0.018 | 6.3 | 5,972.69 | 1.1 | 479 | 473 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,237,058.39 | 6.38 |
| C04019-D04037 | 12 | 277 | 0.018 | 6.1 | 7,421.14 | 1.06 | 636 | 631 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,656,028.86 | 7.07 |
| D10031-D10029 | 8 | 313 | 0.006 | 12.3 | 13,449.66 | 1.08 | 454 | 452 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 737,786.38 | 3.81 |
| G09147-G09145 | 8 | 49 | 0.012 | 7.4 | 10,700.21 | 1.09 | 422.33 | 421.76 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 995,467.75 | 5.13 |
| H10005-H10003 | 12 | 500 | 0.004 | 13.4 | 50,531.57 | 1.09 | 385 | 383 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,721,053.99 | 3.33 |
| F19001-F18035 | 8 | 250 | 0.003 | 21.7 | 52,506.82 | 1.09 | 549.64 | 549 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 508,319.26 | 2.62 |
| K11041-K11039 | 8 | 285 | 0.007 | 10.2 | 13,876.49 | 1.09 | 358 | 356 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 773,179.58 | 3.99 |
| G04105-G04087 | 12 | 342 | 0.015 | 13.5 | 8,929.28 | 1.09 | 498 | 493 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,290,307.20 | 6.36 |
| D09025-C09003 | 8 | 230 | 0.004 | 13.6 | 22,785.11 | 1.09 | 455.74 | 454.82 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 583,737.78 | 3.01 |
| J14119-J14117 | 8 | 311 | 0.003 | 38.6 | 38,467.31 | 1.09 | 335 | 334 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 523,368.54 | 2.70 |
| K14069-K15009 | 8 | 195 | 0.005 | 13.2 | 22,543.42 | 1.09 | 328 | 327 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 660,952.88 | 3.41 |
| D16089-E16037 | 8 | 203 | 0.005 | 16.1 | 32,151.56 | 1.09 | 497 | 496 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 647,798.28 | 3.34 |
| E06109-F06069 | 8 | 360 | 0.006 | 13.1 | 25,223.19 | 1.09 | 493 | 491 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 687,941.57 | 3.55 |
| J15013-J14023 | 8 | 152 | 0.007 | 16.7 | 15,405.33 | 1.08 | 342 | 341 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 748,627.91 | 3.86 |
| E15067-E15065 | 8 | 280 | 0.014 | 6.2 | 8,111.09 | 1.08 | 474 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,103,160.71 | 5.69 |
| C06035-C06015 | 8 | 293 | 0.007 | 15 | 15,795.90 | 1.1 | 541 | 539 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 762,551.18 | 3.93 |
| E11041-E11039 | 8 | 321 | 0.006 | 11.9 | 21,026.37 | 1.08 | 417 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 728,534.78 | 3.76 |
| K14023-K14021 | 18 | 238 | 0.001 | 27.4 | 399,150.06 | 1.09 | 322 | 321.78 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 2,439,293.46 | 2.10 |
| F02043-F02041 | 8 | 159 | 0.007 | 2.8 | 1,005.58 | 0.46 | 525.78 | 524.74 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 746,458.92 | 3.85 |
| H11131-H11129 | 8 | 264 | 0.004 | 17 | 30,660.94 | 1.09 | 375 | 374 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 568,049.06 | 2.93 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| H08005-H08003 | 12 | 207 | 0.003 | 13.7 | 64,143.68 | 1.09 | 427.44 | 426.73 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,593,707.07 | 3.08 |
| C03055-D03053 | 8 | 298 | 0.04 | 4.3 | 2,184.60 | 1.1 | 635 | 623 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,852,125.02 | 9.55 |
| G02025-G02021 | 8 | 106 | 0.004 | 11.9 | 18,098.32 | 0.87 | 512.22 | 511.77 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 601,369.13 | 3.10 |
| G09149-G09147 | 8 | 143 | 0.012 | 7.3 | 10,691.62 | 1.08 | 424 | 422.33 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 997,419.89 | 5.14 |
| F15081-F15077 | 8 | 225 | 0.013 | 6.7 | 8,472.81 | 1.11 | 473 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,065,754.50 | 5.50 |
| G09043-G09041 | 8 | 142 | 0.007 | 14.6 | 15,529.34 | 1.09 | 422 | 421 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 774,539.61 | 3.99 |
| D03117-D03115 | 6 | 73 | 0.027 | 5.8 | 3,332.73 | 1.12 | 581 | 579 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 709,367.70 | 5.49 |
| G04055-H04027 | 8 | 244 | 0.016 | 8.4 | 14,268.07 | 1.09 | 484 | 480 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,181,742.60 | 6.09 |
| G08093-G08091 | 8 | 270 | 0.007 | 10.3 | 17,808.98 | 1.1 | 446 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 794,366.50 | 4.10 |
| J06085-J06075 | 10 | 300 | 0.005 | 10.1 | 25,322.09 | 1.11 | 428.07 | 426.53 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,198,986.36 | 3.71 |
| D14023-D14021 | 8 | 193 | 0.067 | 2.3 | 1,359.15 | 1.11 | 523 | 510 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,395,415.35 | 12.35 |
| G15071-G15057 | 8 | 253 | 0.012 | 9.1 | 6,555.62 | 1.11 | 425 | 422 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,005,051.17 | 5.18 |
| E08071-E08069 | 8 | 62 | 0.032 | 4.6 | 2,460.05 | 1.06 | 465 | 463 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,657,703.90 | 8.55 |
| G09125-G09119 | 8 | 352 | 0.006 | 16.2 | 27,365.82 | 1.1 | 413 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 695,715.17 | 3.59 |
| E14023-E14021 | 8 | 203 | 0.005 | 28.6 | 29,341.77 | 1.11 | 454 | 453 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 647,798.28 | 3.34 |
| F12101-F12099 | 8 | 312 | 0.006 | 12.6 | 23,829.02 | 1.09 | 407 | 405 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 738,967.79 | 3.81 |
| J11013-J11011 | 8 | 325 | 0.009 | 8.7 | 13,780.45 | 1.1 | 374 | 371 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 886,761.35 | 4.57 |
| G12013-G12011 | 8 | 99 | 0.007 | 8.9 | 11,542.87 | 1.1 | 383.7 | 383 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 776,102.76 | 4.00 |
| C04009-D05071 | 8 | 271 | 0.022 | 7.1 | 4,982.39 | 1.11 | 620 | 614 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,373,342.27 | 7.08 |
| F07151-F08137 | 8 | 317 | 0.013 | 7.5 | 8,796.86 | 1.11 | 463 | 459 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,036,783.73 | 5.35 |
| G02017-G02015 | 8 | 221 | 0.004 | 12.1 | 17,999.89 | 0.89 | 514.25 | 513.38 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 579,096.98 | 2.99 |
| G15057-G15035 | 8 | 147 | 0.005 | 12.6 | 20,764.18 | 1.1 | 422 | 421.31 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 632,344.41 | 3.26 |
| E12127-E12001 | 8 | 225 | 0.013 | 34.2 | 10,441.73 | 1.12 | 405 | 402 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,065,754.50 | 5.50 |
| D07003-D07001 | 8 | 213 | 0.005 | 28.5 | 24,097.86 | 1.1 | 487 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 632,408.95 | 3.26 |
| D06101-D06099 | 8 | 381 | 0.01 | 8.7 | 9,744.37 | 1.11 | 538 | 534 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 945,704.19 | 4.88 |
| F12099-F12097 | 8 | 322 | 0.006 | 12.9 | 25,824.28 | 1.09 | 405 | 403 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 727,402.63 | 3.75 |
| D06089-D06087 | 8 | 321 | 0.009 | 8.5 | 11,215.56 | 1.11 | 541 | 538 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 892,269.23 | 4.60 |
| D19001-D18055 | 8 | 227 | 0.02 | 5.9 | 8,687.05 | 1.09 | 543.62 | 539.08 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,302,411.76 | 6.72 |
| J12041-J12039 | 21 | 321 | 0.001 | 28.4 | 661,916.11 | 1.1 | 359.77 | 359.46 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 3,760,921.70 | 2.42 |
| F07055-F07053 | 8 | 323 | 0.011 | 8.2 | 13,402.16 | 1.1 | 466 | 462.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 960,772.51 | 4.96 |
| D08083-D08113 | 8 | 219 | 0.014 | 5.9 | 6,654.18 | 1.11 | 458 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,080,255.23 | 5.57 |
| F11011-F11009 | 8 | 393 | 0.008 | 49.5 | 21,272.14 | 1.1 | 395 | 392 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 806,403.05 | 4.16 |
| F07149-F07147 | 8 | 338 | 0.012 | 9.5 | 11,529.84 | 1.1 | 468 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,004,059.51 | 5.18 |
| H09013-H09011 | 8 | 114 | 0.004 | 20.4 | 43,098.40 | 1.1 | 409 | 408.53 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 592,630.93 | 3.06 |
| G14005-G13059 | 8 | 286 | 0.01 | 10.9 | 7,329.50 | 1.11 | 407 | 404 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 945,290.77 | 4.88 |
| E18015-E18009 | 12 | 110 | 0.009 | 7.6 | 21,057.74 | 1.1 | 520.5 | 519.56 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,515,544.95 | 4.87 |
| J06087-J06085 | 10 | 150 | 0.005 | 10.1 | 25,676.10 | 1.11 | 428.84 | 428.07 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,198,986.36 | 3.71 |
| F08127-F08125 | 8 | 315 | 0.01 | 8.9 | 12,872.43 | 1.11 | 461 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 900,726.95 | 4.65 |
| J14107-J14105 | 8 | 269 | 0.004 | 16 | 31,335.50 | 1.11 | 351 | 350 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 562,745.03 | 2.90 |
| D07007-D07005 | 8 | 231 | 0.013 | 6.9 | 7,284.90 | 1.1 | 491 | 488 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,051,822.47 | 5.42 |
| F11033-F11031 | 8 | 285 | 0.007 | 11.1 | 18,490.31 | 1.11 | 403 | 401 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 773,179.58 | 3.99 |
| E06115-E06113 | 8 | 263 | 0.011 | 9.6 | 10,747.74 | 1.11 | 498 | 495 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 985,758.57 | 5.08 |
| C02005-C02003 | 8 | 323 | 0.003 | 23 | 59,522.41 | 1.11 | 628 | 627 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 513,554.51 | 2.65 |
| H10059-H10057 | 8 | 300 | 0.002 | 21.5 | 45,157.81 | 1.11 | 386.7 | 386 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 445,837.09 | 2.30 |
| E04081-E04079 | 8 | 318 | 0.006 | 12 | 20,125.68 | 1.1 | 561 | 559 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 731,963.20 | 3.78 |
| D03051-D03049 | 8 | 292 | 0.021 | 5.2 | 5,601.32 | 1.1 | 622 | 616 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,323,037.05 | 6.82 |
| F14021-F14019 | 8 | 294 | 0.006 | 10 | 15,062.78 | 1.1 | 426.91 | 425 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 743,927.86 | 3.84 |
| J12039-J12037 | 21 | 266 | 0.001 | 36.7 | 647,415.25 | 1.1 | 359.46 | 359.19 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 3,855,733.64 | 2.49 |
| D17077-D16091 | 8 | 197 | 0.005 | 14.8 | 30,921.60 | 1.11 | 499 | 498 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 657,589.23 | 3.39 |
| K14013-K13005 | 18 | 257 | 0.001 | 28.1 | 430,302.04 | 1.1 | 320.25 | 320 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 2,502,330.28 | 2.15 |
| G08121-G08119 | 12 | 169 | 0.005 | 10.6 | 36,218.55 | 1.1 | 437.38 | 436.5 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,963,642.77 | 3.80 |
| G04113-G04111 | 8 | 247 | 0.012 | 9.1 | 9,317.01 | 1.11 | 496 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,017,185.03 | 5.25 |
| F04071-F05061 | 8 | 266 | 0.007 | 15.1 | 17,341.09 | 1.11 | 516.88 | 515 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 775,936.02 | 4.00 |
| C02013-C02011 | 8 | 300 | 0.003 | 20.9 | 51,083.58 | 1.11 | 632 | 631 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 532,877.25 | 2.75 |
| J12019-J12015 | 21 | 364 | 0.002 | 19.4 | 410,649.82 | 1.1 | 360 | 359.38 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 4,994,719.62 | 3.22 |
| D02059-D02057 | 8 | 265 | 0.004 | 18.4 | 41,794.81 | 1.11 | 609 | 608 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 566,976.25 | 2.92 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| D12019-E12055 | 8 | 395 | 0.018 | 6.2 | 6,370.41 | 1.11 | 432 | 425 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,228,678.56 | 6.34 |
| D17071-D17069 | 12 | 51 | 0.005 | 12.9 | 68,294.30 | 1.09 | 512 | 511.75 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,905,238.79 | 3.68 |
| G09045-G09043 | 8 | 139 | 0.007 | 9.8 | 15,543.63 | 1.11 | 423 | 422 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 782,853.34 | 4.04 |
| G13061-G13059 | 8 | 299 | 0.003 | 15.5 | 27,706.40 | 1.11 | 405 | 404 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 533,767.61 | 2.75 |
| E02045-E02043 | 8 | 326 | 0.008 | 0 | 0 | 0 | 583.71 | 581.03 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 836,847.66 | 4.32 |
| D10035-D10033 | 8 | 323 | 0.025 | 4.9 | 3,020.62 | 1.12 | 467 | 459 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,452,551.50 | 7.49 |
| E13109-E13107 | 8 | 266 | 0.004 | 17.7 | 35,806.16 | 1.12 | 421 | 420 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 565,909.51 | 2.92 |
| H08029-H08017 | 8 | 246 | 0.008 | 13 | 16,330.13 | 1.12 | 430 | 428 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 832,214.45 | 4.29 |
| C03059-D03077 | 8 | 290 | 0.041 | 4.6 | 2,495.53 | 1.15 | 636 | 624 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,877,497.78 | 9.68 |
| H13005-H13003 | 8 | 255 | 0.004 | 16.3 | 32,355.90 | 1.11 | 369 | 368 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 577,986.53 | 2.98 |
| K11069-K12037 | 8 | 322 | 0.003 | 19.2 | 41,504.59 | 1.12 | 346 | 345 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 514,351.33 | 2.65 |
| D01031-D01029 | 8 | 276 | 0.014 | 6.7 | 8,093.35 | 1.1 | 626 | 622 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,111,125.88 | 5.73 |
| D03073-D03071 | 8 | 306 | 0.016 | 6.3 | 7,764.74 | 1.13 | 618 | 613 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,179,810.06 | 6.08 |
| D02099-D02097 | 8 | 301 | 0.007 | 11.1 | 19,686.32 | 1.11 | 615 | 613 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 752,349.36 | 3.88 |
| G02015-G02013 | 8 | 222 | 0.004 | 12.1 | 18,106.31 | 0.91 | 515.13 | 514.25 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 581,102.38 | 3.00 |
| F06065-F06063 | 8 | 137 | 0.002 | 30.2 | 85,395.98 | 1.12 | 482 | 481.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 431,904.92 | 2.23 |
| G09145-G09141 | 8 | 145 | 0.012 | 8.6 | 11,090.32 | 1.11 | 421.76 | 420 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,016,857.60 | 5.24 |
| D03049-D03047 | 8 | 301 | 0.017 | 6 | 7,460.09 | 1.13 | 616 | 611 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,189,568.79 | 6.14 |
| D16035-D16017 | 8 | 200 | 0.035 | 9.7 | 2,715.72 | 1.11 | 500 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,726,719.64 | 8.91 |
| G12039-G12037 | 8 | 219 | 0.009 | 8.7 | 11,338.28 | 1.12 | 390 | 388 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 882,024.70 | 4.55 |
| D10057-D10027 | 8 | 367 | 0.005 | 14.4 | 17,934.96 | 1.12 | 448 | 446 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 681,349.24 | 3.51 |
| E12065-E12063 | 8 | 250 | 0.004 | 17 | 36,936.78 | 1.12 | 413 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 583,737.78 | 3.01 |
| F19010-F19009 | 12 | 300 | 0.005 | 9.9 | 38,115.62 | 1.12 | 563.97 | 563.29 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,863,523.84 | 3.60 |
| F11047-F11045 | 8 | 258 | 0.004 | 15.3 | 27,006.96 | 1.12 | 395 | 394 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 574,616.32 | 2.96 |
| H13069-H13067 | 12 | 236 | 0.007 | 5.6 | 14,381.61 | 1.12 | 374.75 | 373 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,343,297.99 | 4.53 |
| F15057-F15055 | 8 | 246 | 0.008 | 10.4 | 19,042.24 | 1.12 | 456 | 454 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 832,214.45 | 4.29 |
| F08137-F08135 | 8 | 315 | 0.01 | 9.2 | 13,392.97 | 1.13 | 459 | 456 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 900,726.95 | 4.65 |
| G09075-G10035 | 8 | 262 | 0.004 | 15.1 | 27,948.32 | 1.12 | 401 | 400 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 570,213.06 | 2.94 |
| D01037-D01035 | 8 | 344 | 0.015 | 6.6 | 9,020.38 | 1.16 | 621 | 616 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,112,739.71 | 5.74 |
| G14085-G14067 | 8 | 325 | 0.005 | 16.2 | 38,116.22 | 1.12 | 417.18 | 415.48 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 667,529.69 | 3.44 |
| D10069-D10067 | 8 | 363 | 0.019 | 6.7 | 4,142.60 | 1.14 | 457 | 450 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,281,691.53 | 6.61 |
| G12067-G12065 | 15 | 301 | 0.003 | 11.7 | 82,227.66 | 1.11 | 382 | 381 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,843,858.29 | 3.67 |
| J12027-J12025 | 30 | 288 | 0.002 | 12.7 | 453,980.89 | 1.11 | 359 | 358.49 | Vitrified Clay Pipe-Circular-30 inch | 4.9 | 13,183,377.82 | 4.16 |
| D11051-D11025 | 8 | 304 | 0.006 | 14 | 15,876.59 | 1.13 | 471 | 469.2 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 710,210.79 | 3.66 |
| D06081-D06079 | 8 | 357 | 0.017 | 6.5 | 6,242.94 | 1.13 | 551 | 545 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,196,545.79 | 6.17 |
| K15009-K15007 | 8 | 205 | 0.005 | 34.7 | 26,122.33 | 1.12 | 327 | 326 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 644,630.54 | 3.32 |
| E01017-E01015 | 8 | 267 | 0.005 | 0.3 | 0 | 0 | 588.73 | 587.4 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 651,415.36 | 3.36 |
| C06081-C06079 | 8 | 135 | 0.104 | 1.5 | 753.45 | 1.12 | 587 | 573 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,972,247.30 | 15.33 |
| E10061-E10059 | 8 | 257 | 0.002 | 28.5 | 72,072.18 | 1.13 | 424.5 | 424 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 407,104.82 | 2.10 |
| E13023-E13021 | 12 | 254 | 0.001 | 60.3 | 516,288.47 | 1.13 | 424 | 423.8 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 763,594.23 | 1.48 |
| E06089-E06087 | 8 | 250 | 0.008 | 10.9 | 14,565.28 | 1.13 | 503 | 501 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 825,529.89 | 4.26 |
| H13003-H12045 | 8 | 258 | 0.004 | 16.6 | 34,465.32 | 1.12 | 368 | 367 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 574,616.32 | 2.96 |
| F04187-F04165 | 8 | 8 | 0.125 | 8.8 | 681.98 | 1.25 | 527 | 526 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,263,193.40 | 16.83 |
| E07077-E07075 | 8 | 281 | 0.014 | 7.3 | 7,313.68 | 1.14 | 476 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,101,196.04 | 5.68 |
| D06091-D06089 | 8 | 349 | 0.02 | 6.1 | 4,920.11 | 1.15 | 548 | 541 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,307,146.05 | 6.74 |
| D10117-D10115 | 8 | 99 | 0.005 | 13.9 | 19,358.19 | 1.14 | 436.72 | 436.22 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,926.55 | 3.38 |
| E12177-E12175 | 8 | 251 | 0.012 | 7.6 | 10,646.45 | 1.13 | 419 | 416 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,009,047.41 | 5.20 |
| J14055-J14053 | 8 | 299 | 0.003 | 18.4 | 39,490.06 | 1.14 | 333 | 332 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 533,767.61 | 2.75 |
| C08003-C08001 | 8 | 299 | 0.007 | 13.1 | 27,857.29 | 1.11 | 504 | 502 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 754,861.39 | 3.89 |
| K14083-L14037 | 8 | 228 | 0.004 | 14.9 | 29,272.93 | 1.13 | 317 | 316 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 611,252.13 | 3.15 |
| C03021-C03019 | 8 | 195 | 0.026 | 5.9 | 4,362.11 | 1.14 | 661 | 656 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,477,935.58 | 7.62 |
| D16091-D16089 | 8 | 184 | 0.005 | 14.9 | 31,507.51 | 1.13 | 498 | 497 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 680,422.86 | 3.51 |
| F09039-F09037 | 8 | 226 | 0.005 | 13.4 | 25,130.53 | 1.13 | 435 | 433.87 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 652,638.68 | 3.37 |
| G09101-G09099 | 8 | 35 | 0.029 | 4.5 | 2,713.77 | 1.14 | 405 | 404 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,560,104.84 | 8.05 |
| D04041-D04039 | 8 | 302 | 0.026 | 5.2 | 4,054.55 | 1.14 | 621 | 613 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,502,205.44 | 7.75 |
| G14051-G14049 | 8 | 247 | 0.008 | 8.5 | 10,942.40 | 1.14 | 409 | 407 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 830,528.10 | 4.28 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| E12053-E12051 | 8 | 374 | 0.011 | 10 | 13,111.95 | 1.14 | 421 | 417 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 954,513.34 | 4.92 |
| D17057-D17021 | 12 | 187 | 0.005 | 12.8 | 69,268.41 | 1.11 | 511 | 510 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,989,957.01 | 3.85 |
| E06111-E06109 | 8 | 152 | 0.007 | 12.6 | 23,240.62 | 1.12 | 494 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 748,627.91 | 3.86 |
| F08119-F08117 | 8 | 306 | 0.007 | 19.7 | 21,957.87 | 1.13 | 456 | 454 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 746,177.40 | 3.85 |
| E12157-E12155 | 8 | 168 | 0.006 | 12.2 | 22,496.39 | 1.14 | 428 | 427 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 712,087.18 | 3.67 |
| D02007-D02005 | 8 | 270 | 0.011 | 7.9 | 11,032.74 | 1.14 | 599 | 596 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 972,896.30 | 5.02 |
| D12011-D12009 | 8 | 268 | 0.004 | 57.1 | 48,141.78 | 1.14 | 421 | 420 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 563,793.95 | 2.91 |
| H12065-H12063 | 8 | 230 | 0.004 | 15 | 28,300.59 | 1.14 | 372 | 371 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 608,588.71 | 3.14 |
| E16061-E16059 | 8 | 259 | 0.008 | 10.8 | 20,023.96 | 1.14 | 487 | 485 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 811,059.89 | 4.18 |
| E06047-E06045 | 8 | 242 | 0.008 | 10.7 | 14,558.58 | 1.14 | 506 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 839,064.07 | 4.33 |
| J06089-J06087 | 10 | 290 | 0.005 | 10.3 | 26,380.14 | 1.13 | 430.33 | 428.84 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,199,523.18 | 3.71 |
| J11077-J12073 | 8 | 322 | 0.003 | 25.2 | 71,421.81 | 1.14 | 365 | 364 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 514,351.33 | 2.65 |
| G14039-G14025 | 8 | 291 | 0.007 | 10.3 | 16,728.59 | 1.13 | 423 | 421 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 765,167.14 | 3.95 |
| C07079-C07077 | 8 | 231 | 0.009 | 10.9 | 18,369.19 | 1.14 | 516 | 514 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 858,809.45 | 4.43 |
| D10101-D09015 | 8 | 231 | 0.004 | 36.4 | 24,715.41 | 1.14 | 442 | 441 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 607,269.99 | 3.13 |
| G12069-G12067 | 15 | 298 | 0.003 | 11.7 | 82,299.27 | 1.13 | 383 | 382 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,858,137.17 | 3.69 |
| F14019-G14039 | 8 | 291 | 0.007 | 10.1 | 16,138.65 | 1.13 | 425 | 423 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 765,167.14 | 3.95 |
| D11053-D10001 | 8 | 325 | 0.009 | 13.6 | 10,565.34 | 1.15 | 429 | 426 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 886,761.35 | 4.57 |
| D03041-D03039 | 8 | 301 | 0.02 | 5.4 | 6,225.02 | 1.16 | 617 | 611 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,303,107.32 | 6.72 |
| D15053-D15045 | 8 | 243 | 0.008 | 11.3 | 18,514.74 | 1.14 | 476 | 474 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 837,335.82 | 4.32 |
| K15049-K15047 | 8 | 258 | 0.008 | 9.4 | 14,748.94 | 1.14 | 329 | 327 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 812,630.19 | 4.19 |
| D15049-D15047 | 8 | 237 | 0.03 | 4.4 | 3,735.07 | 1.15 | 486 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,586,217.20 | 8.18 |
| D02101-D02099 | 8 | 295 | 0.007 | 11.1 | 19,719.68 | 1.14 | 617 | 615 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 759,961.86 | 3.92 |
| H12061-H12059 | 8 | 256 | 0.004 | 17.6 | 34,050.84 | 1.14 | 370 | 369 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| F02082-F02077 | 8 | 202 | 0.012 | 7.7 | 9,467.75 | 1.15 | 539.1 | 536.65 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,013,964.69 | 5.23 |
| C03027-C04065 | 8 | 300 | 0.027 | 4.6 | 4,360.70 | 1.15 | 674 | 666 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,507,204.47 | 7.77 |
| E17025-E16079 | 8 | 252 | 0.03 | 8.4 | 4,058.37 | 1.15 | 507 | 499.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,592,275.34 | 8.21 |
| F08029-F08021 | 8 | 57 | 0.004 | 17.3 | 34,844.30 | 1.15 | 438.2 | 438 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 546,720.52 | 2.82 |
| D02091-D02089 | 8 | 163 | 0.006 | 13.3 | 26,632.93 | 1.15 | 608 | 607 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 722,926.27 | 3.73 |
| E09099-E09097 | 8 | 140 | 0.021 | 4.7 | 4,008.24 | 1.12 | 428 | 425 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,351,090.43 | 6.97 |
| E13003-E13001 | 8 | 305 | 0.007 | 12.7 | 20,757.75 | 1.16 | 420 | 418 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 747,399.64 | 3.85 |
| E12143-E12141 | 8 | 400 | 0.005 | 16.2 | 37,366.40 | 1.15 | 407 | 405 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 652,638.68 | 3.37 |
| F07059-F07057 | 8 | 33 | 0.015 | 7.9 | 10,413.60 | 1.13 | 468 | 467.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,136,098.12 | 5.86 |
| E04099-E04097 | 8 | 273 | 0.011 | 14.2 | 12,757.96 | 1.15 | 551 | 548 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 967,535.95 | 4.99 |
| E12139-F12147 | 8 | 398 | 0.005 | 18.8 | 40,950.65 | 1.15 | 402 | 400 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 654,276.42 | 3.37 |
| H11121-H11119 | 8 | 202 | 0.01 | 14.8 | 10,553.55 | 1.15 | 375 | 373 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 918,389.95 | 4.74 |
| K14021-K14019 | 18 | 256 | 0.001 | 26.3 | 400,437.13 | 1.14 | 321.78 | 321.5 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 2,653,384.71 | 2.28 |
| E03045-E04081 | 8 | 288 | 0.007 | 11.1 | 19,106.72 | 1.14 | 563 | 561 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 769,142.06 | 3.97 |
| K11017-K11015 | 18 | 265 | 0.002 | 22 | 348,265.27 | 1.14 | 365 | 364.5 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 3,485,003.78 | 3.00 |
| D15039-D15037 | 8 | 52 | 0.032 | 6.2 | 3,395.39 | 1.16 | 461 | 459.32 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,658,978.57 | 8.56 |
| D03063-D03061 | 8 | 332 | 0.018 | 18.8 | 9,447.60 | 1.14 | 594 | 588 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,240,778.87 | 6.40 |
| F10033-F10031 | 8 | 205 | 0.005 | 52.4 | 25,232.63 | 1.15 | 417 | 416 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 644,630.54 | 3.32 |
| H10037-H10009 | 12 | 118 | 0.004 | 13.3 | 50,644.94 | 1.14 | 387.05 | 386.6 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,680,466.08 | 3.25 |
| E10063-E10061 | 8 | 251 | 0.002 | 28.4 | 72,169.44 | 1.16 | 425 | 424.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 411,941.88 | 2.12 |
| C04001-D04013 | 8 | 253 | 0.016 | 6.2 | 8,350.63 | 1.14 | 630 | 626 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,160,533.13 | 5.99 |
| D11091-D11089 | 8 | 47 | 0.021 | 4.7 | 5,579.97 | 1.18 | 449 | 448 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,346,290.80 | 6.94 |
| F06157-F06155 | 10 | 311 | 0.01 | 7.5 | 16,053.33 | 1.15 | 497 | 494 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,643,595.49 | 5.09 |
| G08095-G08093 | 8 | 52 | 0.01 | 9.8 | 15,750.67 | 1.16 | 446.5 | 446 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 905,047.01 | 4.67 |
| H12063-H12061 | 8 | 236 | 0.004 | 15.9 | 30,864.58 | 1.15 | 371 | 370 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 600,802.60 | 3.10 |
| G03047-G03043 | 8 | 367 | 0.005 | 12.6 | 23,101.16 | 1.16 | 513 | 511 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 681,349.24 | 3.51 |
| C04073-C04071 | 8 | 311 | 0.051 | 3.3 | 1,873.17 | 1.17 | 638 | 622 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,093,474.16 | 10.80 |
| D14069-D14067 | 8 | 368 | 0.022 | 5.4 | 5,653.56 | 1.14 | 466 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,360,845.72 | 7.02 |
| F12145-F12143 | 8 | 398 | 0.005 | 18.1 | 45,873.73 | 1.15 | 399 | 397 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 654,276.42 | 3.37 |
| H06001-H07009 | 12 | 328 | 0.003 | 23.3 | 169,694.96 | 1.15 | 436.16 | 435.26 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,425,439.64 | 2.76 |
| D11081-D11077 | 8 | 201 | 0.015 | 6.2 | 8,577.83 | 1.17 | 447 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,127,587.90 | 5.82 |
| K14027-K14025 | 15 | 260 | 0.001 | 34.7 | 396,407.07 | 1.15 | 322.5 | 322.25 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 1,529,940.46 | 1.97 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| C10003-C10001 | 8 | 162 | 0.012 | 8 | 7,551.55 | 1.16 | 487 | 485 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,025,522.75 | 5.29 |
| C06045-C06043 | 8 | 357 | 0.022 | 4.6 | 4,869.20 | 1.15 | 563 | 555 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,381,652.07 | 7.13 |
| K08001-K08023 | 12 | 35 | 0.008 | 10.9 | 44,625.12 | 1.15 | 392.44 | 392.15 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,477,019.78 | 4.79 |
| D03065-D03063 | 8 | 330 | 0.018 | 6.2 | 9,182.43 | 1.15 | 600 | 594 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,244,533.13 | 6.42 |
| E06075-E06063 | 8 | 248 | 0.012 | 10.2 | 9,734.96 | 1.16 | 512 | 509 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,015,132.18 | 5.24 |
| G09047-G09045 | 8 | 492 | 0.008 | 9.4 | 14,201.91 | 1.16 | 427 | 423 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 832,214.45 | 4.29 |
| F14003-F14001 | 12 | 377 | 0.005 | 9.6 | 36,997.29 | 1.14 | 414.04 | 412 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,001,745.71 | 3.87 |
| D02089-D02087 | 8 | 163 | 0.006 | 13.5 | 28,348.47 | 1.17 | 607 | 606 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 722,926.27 | 3.73 |
| E08075-F08129 | 12 | 162 | 0.006 | 11.5 | 31,630.48 | 1.16 | 457 | 456 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,137,996.50 | 4.13 |
| F19037-F19035 | 8 | 240 | 0.056 | 2.3 | 1,700.55 | 1.1 | 586.25 | 572.64 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,193,352.07 | 11.31 |
| D10063-D10057 | 8 | 154 | 0.019 | 7.7 | 4,530.93 | 1.16 | 451 | 448 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,288,214.18 | 6.64 |
| G14049-G14047 | 8 | 277 | 0.007 | 9.5 | 13,264.44 | 1.15 | 407 | 405 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 784,265.16 | 4.04 |
| E01025-E01017 | 8 | 145 | 0.005 | 0 | 0 | 0 | 589.5 | 588.73 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 672,588.08 | 3.47 |
| E10069-E10067 | 8 | 212 | 0.002 | 28.5 | 71,274.58 | 1.17 | 427.4 | 427 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 400,912.75 | 2.07 |
| E11047-E11045 | 8 | 151 | 0.013 | 7.5 | 11,008.83 | 1.17 | 422 | 420 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,062,219.65 | 5.48 |
| E03057-E03055 | 8 | 62 | 0.016 | 9.4 | 8,813.69 | 1.15 | 572 | 571 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,172,173.67 | 6.05 |
| E06079-E06061 | 8 | 247 | 0.012 | 13.2 | 9,748.97 | 1.17 | 510 | 507 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,017,185.03 | 5.25 |
| G09035-G09033 | 8 | 246 | 0.016 | 13.4 | 5,513.46 | 1.15 | 427 | 423 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,176,928.96 | 6.07 |
| E03125-E03123 | 8 | 126 | 0.008 | 10.7 | 19,910.39 | 1.16 | 575 | 574 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 822,247.45 | 4.24 |
| E03049-E04091 | 8 | 260 | 0.004 | 19.5 | 47,327.43 | 1.16 | 566 | 565 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 572,401.99 | 2.95 |
| G13051-G13049 | 8 | 296 | 0.01 | 9.1 | 11,552.28 | 1.16 | 403 | 400 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 929,185.83 | 4.79 |
| E01031-E01029 | 8 | 220 | 0.005 | 0 | 0 | 0 | 592.14 | 591.1 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 634,589.87 | 3.27 |
| K14015-K14013 | 18 | 231 | 0.001 | 27.7 | 429,068.71 | 1.15 | 320.5 | 320.25 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 2,639,399.94 | 2.27 |
| H12003-H12001 | 21 | 450 | 0.001 | 29.6 | 728,747.58 | 1.16 | 361.15 | 360.7 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 3,827,066.08 | 2.47 |
| K14055-K14053 | 8 | 238 | 0.007 | 36.7 | 19,080.82 | 1.15 | 327 | 325.25 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 791,440.65 | 4.08 |
| D05099-E05009 | 8 | 317 | 0.022 | 5.7 | 4,920.11 | 1.15 | 540 | 533 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,371,535.95 | 7.07 |
| F08141-F08139 | 8 | 316 | 0.009 | 9.7 | 15,419.69 | 1.17 | 458 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 899,300.62 | 4.64 |
| E13107-E13067 | 8 | 259 | 0.004 | 26.5 | 42,233.12 | 1.17 | 420 | 419 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 573,505.95 | 2.96 |
| F09035-F09033 | 8 | 173 | 0.006 | 13.6 | 25,077.58 | 1.16 | 433 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 701,721.46 | 3.62 |
| K14093-K14089 | 8 | 371 | 0.009 | 10.5 | 13,516.39 | 1.17 | 321.45 | 318 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 890,041.79 | 4.59 |
| E10073-E10071 | 8 | 179 | 0.002 | 24.8 | 56,566.45 | 1.17 | 428 | 427.6 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 436,306.10 | 2.25 |
| D06123-D06121 | 8 | 217 | 0.018 | 5.4 | 6,000.27 | 1.17 | 529 | 525 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,253,106.37 | 6.46 |
| D04059-D04057 | 8 | 305 | 0.023 | 4.5 | 4,798.88 | 1.14 | 594 | 587 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,398,256.70 | 7.21 |
| D05105-D05103 | 8 | 270 | 0.007 | 11.2 | 17,250.58 | 1.15 | 542 | 540 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 794,366.50 | 4.10 |
| F04075-F04073 | 8 | 249 | 0.014 | 8.5 | 8,721.11 | 1.17 | 521.4 | 517.91 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,092,699.76 | 5.64 |
| F18011-F18009 | 12 | 391 | 0.003 | 19 | 108,682.08 | 1.16 | 532 | 531 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,376,182.78 | 2.66 |
| E07085-E07083 | 8 | 329 | 0.003 | 21.4 | 50,994.39 | 1.17 | 470 | 469 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 508,850.09 | 2.62 |
| F19018-F19015 | 8 | 250 | 0.027 | 9.3 | 4,825.17 | 1.18 | 559.24 | 552.57 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,504,575.08 | 7.76 |
| E16063-E16061 | 8 | 349 | 0.009 | 10.5 | 18,373.96 | 1.17 | 490 | 487 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 855,727.96 | 4.41 |
| D01025-D01023 | 8 | 272 | 0.011 | 8.4 | 13,957.53 | 1.17 | 616 | 613 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 969,312.88 | 5.00 |
| G04043-H04017 | 8 | 302 | 0.01 | 12.5 | 27,000.08 | 1.17 | 481 | 478 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 919,909.20 | 4.74 |
| G11035-G11033 | 8 | 141 | 0.007 | 10.1 | 14,080.46 | 1.16 | 388 | 387 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 777,281.36 | 4.01 |
| C02003-C02001 | 8 | 264 | 0.004 | 22.6 | 59,220.79 | 1.17 | 627 | 626 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 568,049.06 | 2.93 |
| C04003-C04001 | 8 | 248 | 0.02 | 5.6 | 6,707.05 | 1.16 | 635 | 630 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,310,530.01 | 6.76 |
| E16037-E16035 | 8 | 210 | 0.005 | 17.1 | 40,580.63 | 1.17 | 496 | 495 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 636,910.14 | 3.28 |
| C02037-C02025 | 8 | 172 | 0.012 | 8.1 | 11,209.18 | 1.17 | 646 | 644 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 995,264.66 | 5.13 |
| D13019-D13003 | 8 | 210 | 0.005 | 16.6 | 36,745.85 | 1.17 | 424 | 423 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 636,910.14 | 3.28 |
| E13075-E13073 | 8 | 336 | 0.003 | 26 | 74,333.72 | 1.17 | 426 | 425 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 503,521.67 | 2.60 |
| F02070-F03151 | 8 | 168 | 0.006 | 12.6 | 21,557.11 | 1.17 | 535.09 | 534 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 734,745.33 | 3.79 |
| E06019-E06017 | 8 | 324 | 0.015 | 12.9 | 7,380.16 | 1.18 | 527 | 522 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,146,569.29 | 5.91 |
| E11045-E11041 | 8 | 243 | 0.012 | 9.7 | 12,462.52 | 1.17 | 420 | 417 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,025,522.75 | 5.29 |
| F13113-F13111 | 8 | 69 | 0.014 | 7.4 | 9,250.46 | 1.17 | 417 | 416 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,111,125.88 | 5.73 |
| G04045-G04043 | 8 | 300 | 0.01 | 11.7 | 26,063.28 | 1.18 | 484 | 481 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 922,970.47 | 4.76 |
| E06121-E06117 | 8 | 256 | 0.02 | 6.4 | 6,698.33 | 1.17 | 504 | 499 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,289,890.45 | 6.65 |
| K13003-K13001 | 24 | 386 | 0.001 | 18.2 | 448,214.92 | 1.16 | 319.5 | 319 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 6,218,741.48 | 3.10 |
| H11063-H11061 | 8 | 290 | 0.01 | 7.6 | 10,969.91 | 1.18 | 383 | 380 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 938,748.89 | 4.84 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| K11075-K11073 | 8 | 313 | 0.006 | 14.2 | 20,792.50 | 1.18 | 350 | 348 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 737,786.38 | 3.81 |
| C03047-C03045 | 8 | 295 | 0.01 | 8.5 | 13,707.30 | 1.18 | 647 | 644 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 930,759.39 | 4.80 |
| F16049-F16047 | 8 | 270 | 0.004 | 20.6 | 52,087.38 | 1.17 | 496 | 495 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 561,701.94 | 2.90 |
| H11119-H11117 | 8 | 338 | 0.003 | 22 | 53,302.49 | 1.17 | 373 | 372 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 502,029.75 | 2.59 |
| E15031-E15029 | 10 | 325 | 0.003 | 25.2 | 103,760.11 | 1.17 | 450 | 449 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 928,266.82 | 2.87 |
| F06073-F06071 | 8 | 115 | 0.006 | 13.2 | 27,610.89 | 1.18 | 488.48 | 487.75 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 735,360.53 | 3.79 |
| H12041-H12039 | 8 | 188 | 0.004 | 18.9 | 43,641.71 | 1.18 | 365.68 | 365 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 555,089.92 | 2.86 |
| L14051-L14049 | 10 | 250 | 0.002 | 100 | 900,237.58 | 0.7 | 312 | 311.5 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 748,392.64 | 2.32 |
| D03113-E03065 | 8 | 143 | 0.014 | 7.6 | 10,532.56 | 1.18 | 577 | 575 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,091,527.76 | 5.63 |
| F12005-G12083 | 15 | 271 | 0.004 | 11.6 | 75,915.70 | 1.17 | 387 | 386 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,997,136.72 | 3.86 |
| E05115-E05113 | 8 | 220 | 0.014 | 9.1 | 8,921.61 | 1.19 | 521 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,077,797.31 | 5.56 |
| D08063-D08061 | 8 | 246 | 0.008 | 12.8 | 28,653.33 | 1.17 | 495 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 832,214.45 | 4.29 |
| D07085-D07083 | 8 | 243 | 0.012 | 9.3 | 9,897.11 | 1.18 | 505 | 502 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,025,522.75 | 5.29 |
| F05075-F05073 | 8 | 21 | 0.048 | 44.6 | 1,962.01 | 1.19 | 505 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,014,086.69 | 10.39 |
| E16031-E16029 | 8 | 205 | 0.005 | 17.8 | 43,842.83 | 1.18 | 493 | 492 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 644,630.54 | 3.32 |
| F10035-F10033 | 8 | 198 | 0.005 | 13.5 | 25,262.50 | 1.18 | 418 | 417 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,926.55 | 3.38 |
| G07051-G07041 | 8 | 402 | 0.007 | 44.9 | 21,680.24 | 1.17 | 454 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 797,325.05 | 4.11 |
| D03031-D03029 | 8 | 319 | 0.022 | 6.5 | 6,224.63 | 1.2 | 611 | 604 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,367,229.71 | 7.05 |
| G13053-G13051 | 8 | 298 | 0.01 | 7.8 | 11,598.83 | 1.18 | 406 | 403 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 926,062.51 | 4.78 |
| F12085-F12083 | 8 | 251 | 0.012 | 40.1 | 15,434.18 | 1.18 | 400 | 397 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,009,047.41 | 5.20 |
| J11003-J11001 | 8 | 302 | 0.013 | 9.9 | 11,552.61 | 1.18 | 371 | 367 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,062,219.65 | 5.48 |
| H12023-H12021 | 12 | 186 | 0.003 | 51 | 587,487.77 | 1.23 | 369.59 | 369 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,532,618.39 | 2.96 |
| J11011-J11001 | 8 | 350 | 0.011 | 10.4 | 14,445.73 | 1.19 | 371 | 367 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 986,696.94 | 5.09 |
| F12143-F12067 | 8 | 379 | 0.005 | 52 | 48,517.99 | 1.18 | 397 | 395 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 670,475.94 | 3.46 |
| E06101-E06099 | 8 | 222 | 0.014 | 7.3 | 9,576.51 | 1.19 | 496 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,072,931.38 | 5.53 |
| H11129-H11119 | 8 | 266 | 0.004 | 20.1 | 40,992.56 | 1.18 | 374 | 373 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 565,909.51 | 2.92 |
| E14131-E13103 | 10 | 360 | 0.008 | 9.5 | 23,036.19 | 1.19 | 433 | 430 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,527,650.07 | 4.73 |
| G05003-G05001 | 10 | 280 | 0.011 | 10.7 | 37,511.74 | 1.18 | 468 | 465 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,732,192.37 | 5.36 |
| J07075-J08121 | 10 | 183 | 0.007 | 11.1 | 36,161.31 | 1.16 | 408.69 | 407.4 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,405,024.25 | 4.35 |
| K14053-K15001 | 15 | 266 | 0.001 | 33.5 | 364,939.47 | 1.18 | 325.25 | 325 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 1,512,587.08 | 1.95 |
| D16057-D16055 | 8 | 368 | 0.027 | 5.7 | 4,669.45 | 1.2 | 498 | 488 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,521,471.77 | 7.85 |
| E13071-E13069 | 10 | 589 | 0.003 | 20.7 | 77,272.39 | 1.18 | 424 | 422 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 975,150.97 | 3.02 |
| K12051-K12049 | 8 | 347 | 0.006 | 13 | 25,518.47 | 1.18 | 346 | 344 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 700,709.60 | 3.61 |
| D13021-D13019 | 8 | 198 | 0.005 | 16 | 35,103.41 | 1.19 | 425 | 424 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,926.55 | 3.38 |
| F08035-F08033 | 8 | 270 | 0.004 | 16.9 | 32,459.32 | 1.2 | 441 | 440 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 561,701.94 | 2.90 |
| F12121-F12105 | 8 | 231 | 0.013 | 41.7 | 14,123.26 | 1.19 | 402 | 399 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,051,822.47 | 5.42 |
| D02039-D02033 | 8 | 329 | 0.012 | 10.1 | 12,392.37 | 1.19 | 624 | 620 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,017,700.19 | 5.25 |
| K14037-K14035 | 8 | 261 | 0.008 | 31.5 | 18,465.34 | 1.17 | 326 | 324 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 807,946.40 | 4.17 |
| E04025-E04023 | 8 | 336 | 0.006 | 16.9 | 36,169.17 | 1.19 | 538 | 536 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 712,087.18 | 3.67 |
| F05127-F05125 | 8 | 293 | 0.01 | 10.9 | 15,204.08 | 1.19 | 496 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 933,930.64 | 4.82 |
| F08125-F08123 | 8 | 318 | 0.009 | 17.5 | 16,912.30 | 1.19 | 458 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 896,468.17 | 4.62 |
| B01031-B01010 | 8 | 88 | 0.057 | 3.2 | 2,172.63 | 1.2 | 675.45 | 670.41 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,196,382.99 | 11.33 |
| E03099-E03093 | 8 | 229 | 0.004 | 19 | 44,928.55 | 1.18 | 565 | 564 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 609,916.06 | 3.15 |
| H14013-H14011 | 8 | 239 | 0.004 | 16 | 33,071.67 | 1.2 | 371 | 370 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 597,019.97 | 3.08 |
| D14073-D14065 | 8 | 242 | 0.033 | 5.5 | 3,735.40 | 1.2 | 463 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,678,128.13 | 8.65 |
| E15035-E15033 | 10 | 326 | 0.003 | 22.3 | 100,959.26 | 1.19 | 453 | 452 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 926,842.01 | 2.87 |
| H12027-H12023 | 12 | 159 | 0.003 | 42.8 | 595,067.00 | 1.25 | 370.12 | 369.59 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,571,100.15 | 3.04 |
| E15101-E15099 | 8 | 269 | 0.011 | 8.7 | 15,042.87 | 1.2 | 466 | 463 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 974,702.98 | 5.03 |
| F15133-F15131 | 8 | 241 | 0.017 | 7.7 | 8,805.27 | 1.18 | 455 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,189,075.09 | 6.13 |
| H04007-H04005 | 8 | 243 | 0.008 | 17.4 | 45,076.45 | 1.19 | 472 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 837,335.82 | 4.32 |
| F02196-F02192 | 8 | 161 | 0.003 | 18.7 | 41,688.38 | 1.2 | 550.46 | 549.88 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 545,566.58 | 2.81 |
| J14041-J14039 | 8 | 245 | 0.008 | 10.5 | 16,231.40 | 1.2 | 343 | 341 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 833,911.12 | 4.30 |
| D03039-D03037 | 8 | 213 | 0.019 | 7.5 | 8,083.26 | 1.21 | 611 | 607 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,264,817.89 | 6.52 |
| H07017-H07015 | 8 | 263 | 0.007 | 13.7 | 20,699.88 | 1.2 | 439 | 437.19 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 765,683.38 | 3.95 |
| F02175-F02173 | 8 | 142 | 0.017 | 1.5 | 333.07 | 0.43 | 551.77 | 548.69 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,203,992.77 | 6.21 |
| H08021-H08019 | 8 | 42 | 0.024 | 4.5 | 5,523.32 | 1.17 | 430 | 429 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,424,174.36 | 7.35 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| F15063-F15061 | 8 | 257 | 0.008 | 11.4 | 22,290.48 | 1.18 | 458 | 456 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 814,209.65 | 4.20 |
| E05017-E05015 | 8 | 268 | 0.007 | 12.1 | 19,005.29 | 1.19 | 515 | 513 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 797,325.05 | 4.11 |
| F11019-F11017 | 8 | 402 | 0.007 | 51 | 34,631.85 | 1.18 | 396 | 393 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 797,325.05 | 4.11 |
| F12133-F12081 | 8 | 243 | 0.012 | 46.7 | 15,369.57 | 1.2 | 399 | 396 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,025,522.75 | 5.29 |
| E15105-E15103 | 8 | 229 | 0.013 | 7.5 | 12,025.43 | 1.2 | 473 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,056,405.60 | 5.45 |
| K15015-K15013 | 8 | 173 | 0.006 | 12.9 | 24,911.43 | 1.21 | 329 | 328 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 701,721.46 | 3.62 |
| L13153-L13151 | 8 | 170 | 0.006 | 100 | 24,423.14 | 1.21 | 325 | 324 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 707,886.04 | 3.65 |
| F07037-F07021 | 8 | 336 | 0.009 | 12.1 | 23,168.34 | 1.2 | 459 | 456 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 872,125.12 | 4.50 |
| D10135-D10133 | 8 | 289 | 0.003 | 17.7 | 37,013.87 | 1.21 | 431 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 542,923.81 | 2.80 |
| E16029-E16027 | 8 | 201 | 0.005 | 18 | 46,011.78 | 1.2 | 492 | 491 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 651,013.18 | 3.36 |
| D05113-E05053 | 8 | 246 | 0.02 | 12.6 | 6,520.47 | 1.2 | 555 | 550 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,315,846.58 | 6.79 |
| E12019-E12015 | 8 | 127 | 0.008 | 12.4 | 22,295.70 | 1.19 | 416 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 819,003.86 | 4.22 |
| G14059-G14057 | 8 | 248 | 0.004 | 20.5 | 53,886.34 | 1.2 | 403 | 402 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 586,086.84 | 3.02 |
| K15003-K14053 | 15 | 253 | 0.001 | 32.8 | 346,777.80 | 1.2 | 325.5 | 325.25 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 1,550,961.24 | 2.00 |
| G13057-G13055 | 8 | 320 | 0.003 | 19.7 | 43,926.77 | 1.2 | 402 | 401 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 515,956.18 | 2.66 |
| K14031-K14029 | 15 | 245 | 0.001 | 34 | 392,743.57 | 1.2 | 323.25 | 323 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 1,576,079.65 | 2.03 |
| F08001-F09043 | 8 | 241 | 0.008 | 10.3 | 15,148.83 | 1.2 | 444 | 442 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 840,803.06 | 4.34 |
| E15025-E15007 | 8 | 285 | 0.011 | 19.6 | 15,792.70 | 1.2 | 461 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 946,947.72 | 4.88 |
| E15011-E15009 | 8 | 236 | 0.017 | 17.6 | 8,274.66 | 1.19 | 465 | 461 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,201,605.21 | 6.20 |
| F04177-F04173 | 8 | 263 | 0.008 | 11.5 | 19,704.88 | 1.19 | 535 | 533 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 804,868.50 | 4.15 |
| G14057-G14045 | 8 | 241 | 0.004 | 20.4 | 54,244.45 | 1.2 | 402 | 401 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 594,537.55 | 3.07 |
| E16035-E16033 | 8 | 192 | 0.005 | 16.9 | 41,547.55 | 1.2 | 495 | 494 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 666,096.56 | 3.44 |
| E04033-E04031 | 8 | 6 | 0.167 | 9 | 560.66 | 1.22 | 543 | 542 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,768,011.17 | 19.43 |
| E02031-E02005 | 8 | 245 | 0.012 | 1 | 0 | 0 | 567.48 | 564.55 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,008,997.99 | 5.20 |
| C05021-C05019 | 8 | 240 | 0.03 | 3.9 | 4,058.54 | 1.21 | 617.79 | 610.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,608,592.17 | 8.30 |
| D15051-D15049 | 8 | 305 | 0.056 | 3 | 2,040.66 | 1.22 | 503 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,179,025.68 | 11.24 |
| D01035-D02069 | 8 | 128 | 0.016 | 7.4 | 10,554.92 | 1.22 | 616 | 614 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,153,713.09 | 5.95 |
| D14063-D14047 | 8 | 254 | 0.008 | 11.2 | 21,845.51 | 1.19 | 451 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 819,003.86 | 4.22 |
| E13103-E13101 | 10 | 446 | 0.007 | 10.7 | 30,991.03 | 1.19 | 430 | 427 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,372,485.32 | 4.25 |
| G04111-G05101 | 8 | 264 | 0.008 | 13.7 | 22,097.24 | 1.19 | 493 | 491 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 803,342.68 | 4.14 |
| F16045-F16043 | 8 | 245 | 0.004 | 21 | 54,884.99 | 1.21 | 494 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 589,664.20 | 3.04 |
| F13007-G13053 | 8 | 296 | 0.01 | 7.8 | 11,628.11 | 1.21 | 409 | 406 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 929,185.83 | 4.79 |
| F02047-F02045 | 8 | 307 | 0.009 | 1.8 | 337.37 | 0.36 | 529.97 | 527.32 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 857,514.67 | 4.42 |
| G10061-G10059 | 8 | 134 | 0.006 | 12.4 | 20,227.60 | 1.21 | 395.86 | 395 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 739,408.83 | 3.81 |
| E04029-E04027 | 8 | 318 | 0.006 | 16.1 | 33,265.51 | 1.21 | 541 | 539 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 731,963.20 | 3.78 |
| F15065-F15063 | 8 | 223 | 0.009 | 10.9 | 19,942.29 | 1.21 | 460 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 874,078.37 | 4.51 |
| E12021-E12019 | 8 | 120 | 0.008 | 11.2 | 21,974.35 | 1.21 | 417 | 416 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 842,552.91 | 4.35 |
| F11023-F11021 | 8 | 394 | 0.008 | 14.5 | 32,020.97 | 1.19 | 401 | 398 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 805,379.04 | 4.15 |
| J14109-J14107 | 8 | 184 | 0.005 | 14.8 | 26,844.64 | 1.21 | 352 | 351 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 680,422.86 | 3.51 |
| F09109-F09105 | 8 | 249 | 0.008 | 10.6 | 15,298.23 | 1.2 | 429 | 427 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 827,185.92 | 4.27 |
| J14075-J14073 | 8 | 158 | 0.006 | 12.7 | 22,730.23 | 1.22 | 337 | 336 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 734,275.88 | 3.79 |
| F19043-F19041 | 8 | 420 | 0.057 | 5.4 | 2,040.66 | 1.23 | 589.24 | 565.41 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,195,880.90 | 11.33 |
| K12061-K12059 | 8 | 351 | 0.009 | 9.7 | 16,650.62 | 1.21 | 367 | 364 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 853,286.50 | 4.40 |
| C10011-D10091 | 8 | 110 | 0.009 | 15.2 | 12,704.20 | 1.21 | 460 | 459 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 880,017.82 | 4.54 |
| D03037-D03029 | 8 | 277 | 0.011 | 9.2 | 16,726.87 | 1.21 | 607 | 604 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 960,524.73 | 4.95 |
| E03101-E03099 | 8 | 210 | 0.005 | 17.9 | 42,284.50 | 1.21 | 566 | 565 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 636,910.14 | 3.28 |
| K15043-K15041 | 12 | 401 | 0.005 | 10.5 | 36,287.31 | 1.22 | 323 | 321 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,921,796.11 | 3.72 |
| D07083-D07063 | 8 | 297 | 0.007 | 25.1 | 22,059.41 | 1.22 | 502 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 757,398.74 | 3.91 |
| D16033-D16019 | 15 | 123 | 0.004 | 12 | 99,613.26 | 1.21 | 496 | 495.46 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,269,155.09 | 4.22 |
| E04079-E04077 | 8 | 291 | 0.007 | 18.5 | 25,561.98 | 1.22 | 559 | 557 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 765,167.14 | 3.95 |
| D14065-D14063 | 8 | 292 | 0.014 | 9.4 | 12,059.66 | 1.22 | 455 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,080,255.23 | 5.57 |
| F06083-F06081 | 8 | 98 | 0.01 | 9.6 | 16,844.14 | 1.22 | 495.91 | 494.95 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 913,503.86 | 4.71 |
| D18055-D18053 | 12 | 203 | 0.031 | 4.2 | 8,679.51 | 1.22 | 539.08 | 532.73 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 4,812,861.25 | 9.31 |
| H11103-J11053 | 8 | 276 | 0.003 | 26.2 | 74,883.94 | 1.22 | 367.8 | 367 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 496,910.60 | 2.56 |
| G08017-G08015 | 8 | 259 | 0.008 | 12.5 | 18,997.22 | 1.2 | 441 | 439 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 811,059.89 | 4.18 |
| H06003-H06001 | 12 | 313 | 0.003 | 22.8 | 167,426.93 | 1.21 | 437.16 | 436.16 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,538,127.47 | 2.97 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| D10019-D10017 | 8 | 464 | 0.006 | 10.9 | 18,551.49 | 1.22 | 440 | 437 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 742,146.16 | 3.83 |
| F02187-F02185 | 8 | 296 | 0.004 | 17.7 | 40,958.64 | 1.22 | 547.3 | 546.06 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 596,376.37 | 3.08 |
| D03067-D03065 | 8 | 386 | 0.021 | 6 | 8,916.69 | 1.21 | 608 | 600 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,328,737.37 | 6.85 |
| D02005-D02003 | 8 | 264 | 0.011 | 17.5 | 14,120.13 | 1.22 | 596 | 593 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 983,889.83 | 5.07 |
| E05121-E05119 | 8 | 252 | 0.008 | 11.6 | 20,576.55 | 1.2 | 528 | 526 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 822,247.45 | 4.24 |
| E03093-E03091 | 8 | 234 | 0.004 | 20.1 | 50,878.34 | 1.22 | 564 | 563 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 603,364.67 | 3.11 |
| F07021-F07019 | 8 | 266 | 0.008 | 13 | 29,069.65 | 1.21 | 456 | 454 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 800,316.90 | 4.13 |
| D15029-D15027 | 8 | 245 | 0.016 | 6.6 | 9,205.69 | 1.23 | 470 | 466 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,179,328.41 | 6.08 |
| K14033-K14031 | 15 | 241 | 0.001 | 33.9 | 390,844.67 | 1.22 | 323.5 | 323.25 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 1,589,105.32 | 2.05 |
| F12149-F12065 | 8 | 414 | 0.012 | 49.4 | 22,208.17 | 1.22 | 399 | 394 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,014,314.51 | 5.23 |
| F16039-F16037 | 8 | 242 | 0.004 | 21.7 | 61,356.72 | 1.22 | 491 | 490 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 593,307.89 | 3.06 |
| D15009-D15007 | 8 | 270 | 0.006 | 13.8 | 29,751.88 | 1.22 | 479 | 477.32 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 728,048.93 | 3.75 |
| H13091-H13089 | 8 | 259 | 0.008 | 11.3 | 15,628.56 | 1.21 | 379 | 377 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 811,059.89 | 4.18 |
| K15013-K15011 | 8 | 159 | 0.006 | 12.7 | 24,535.04 | 1.22 | 328 | 327 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 731,963.20 | 3.78 |
| F03025-F03023 | 8 | 251 | 0.008 | 11.4 | 21,476.50 | 1.21 | 518 | 516 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 823,883.76 | 4.25 |
| F09031-F09029 | 8 | 194 | 0.005 | 15.1 | 32,595.25 | 1.22 | 431 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 662,654.18 | 3.42 |
| E16057-E16055 | 8 | 215 | 0.009 | 10.8 | 21,993.14 | 1.22 | 482 | 480 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 890,191.77 | 4.59 |
| E04051-E04049 | 8 | 398 | 0.013 | 10.5 | 13,329.66 | 1.23 | 547 | 542 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,034,501.85 | 5.34 |
| K15035-K15033 | 12 | 391 | 0.002 | 21.3 | 118,295.59 | 1.23 | 315 | 314.25 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,191,809.25 | 2.31 |
| C02065-D02039 | 8 | 317 | 0.016 | 7.2 | 9,914.51 | 1.23 | 629 | 624 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,159,159.44 | 5.98 |
| L13133-L13131 | 8 | 79 | 0.006 | 12.4 | 24,253.94 | 1.23 | 318 | 317.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 734,275.88 | 3.79 |
| E11139-E11129 | 8 | 340 | 0.021 | 40.7 | 7,196.05 | 1.23 | 428 | 421 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,324,333.51 | 6.83 |
| H06029-H06021 | 8 | 135 | 0.023 | 6.2 | 6,536.62 | 1.22 | 445.25 | 442.2 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,387,301.46 | 7.15 |
| D05037-D05035 | 8 | 296 | 0.018 | 6.3 | 7,380.16 | 1.21 | 585 | 579.81 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,222,153.15 | 6.30 |
| D05015-D05013 | 8 | 31 | 0.032 | 4.1 | 3,690.08 | 1.23 | 593 | 592 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,657,703.90 | 8.55 |
| F16031-F16029 | 12 | 297 | 0.003 | 20.6 | 147,237.09 | 1.22 | 493 | 492 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,579,015.06 | 3.05 |
| E11035-E11033 | 8 | 397 | 0.008 | 13.5 | 27,505.70 | 1.23 | 411 | 408 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 802,330.28 | 4.14 |
| E16067-E16065 | 8 | 322 | 0.016 | 7.2 | 10,426.53 | 1.23 | 500 | 495 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,150,124.55 | 5.93 |
| E06061-E06055 | 8 | 262 | 0.004 | 20.9 | 46,642.36 | 1.23 | 507 | 506 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 570,213.06 | 2.94 |
| D02023-D02021 | 8 | 296 | 0.007 | 14.6 | 32,241.39 | 1.23 | 603 | 601 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 758,677.05 | 3.91 |
| D15017-D15003 | 8 | 367 | 0.014 | 9.9 | 11,738.98 | 1.23 | 480 | 475 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,077,307.73 | 5.56 |
| H10061-H10059 | 8 | 141 | 0.003 | 20.8 | 45,178.36 | 1.23 | 387.13 | 386.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 509,697.47 | 2.63 |
| E11037-E11035 | 8 | 399 | 0.008 | 12.5 | 26,215.10 | 1.23 | 414 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 800,316.90 | 4.13 |
| F16041-F16039 | 8 | 241 | 0.004 | 21.6 | 60,754.04 | 1.23 | 492 | 491 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 594,537.55 | 3.07 |
| G07079-G08131 | 8 | 395 | 0.008 | 12.1 | 25,215.13 | 1.23 | 446 | 443 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 804,358.93 | 4.15 |
| G05005-G05003 | 8 | 263 | 0.011 | 13 | 35,570.11 | 1.23 | 471 | 468 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 985,758.57 | 5.08 |
| J11087-J11085 | 8 | 199 | 0.005 | 18.8 | 50,305.24 | 1.23 | 369 | 368 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 654,276.42 | 3.37 |
| D16039-D16015 | 8 | 189 | 0.011 | 16.6 | 16,178.58 | 1.23 | 494 | 492 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 949,449.57 | 4.90 |
| D07131-D07129 | 8 | 267 | 0.022 | 5.8 | 5,715.81 | 1.23 | 499 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,383,591.23 | 7.14 |
| E11039-E11037 | 8 | 130 | 0.008 | 12.2 | 25,217.33 | 1.22 | 415 | 414 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 809,498.65 | 4.17 |
| G10037-G10031 | 8 | 297 | 0.003 | 24.6 | 47,528.50 | 1.23 | 400 | 399 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 535,561.79 | 2.76 |
| E06095-E07047 | 8 | 333 | 0.012 | 27.5 | 12,158.42 | 1.24 | 493 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,011,569.41 | 5.22 |
| E07069-E07065 | 8 | 235 | 0.017 | 7.7 | 8,456.74 | 1.25 | 485 | 481 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,204,159.10 | 6.21 |
| E06015-E06013 | 8 | 223 | 0.018 | 7.8 | 7,257.01 | 1.22 | 523 | 519 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,236,133.49 | 6.38 |
| E10001-F10037 | 24 | 319 | 0.001 | 31.2 | 1,023,731.79 | 1.22 | 416.35 | 416.1 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 4,837,108.35 | 2.41 |
| G09067-G09065 | 8 | 388 | 0.01 | 8.7 | 13,288.30 | 1.23 | 428 | 424 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 937,134.53 | 4.83 |
| E11031-E11029 | 8 | 381 | 0.008 | 13.8 | 29,752.46 | 1.22 | 406 | 403 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 819,003.86 | 4.22 |
| G10035-G10031 | 8 | 215 | 0.005 | 22.1 | 31,593.41 | 1.23 | 400 | 399 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 629,460.64 | 3.25 |
| H12021-H12019 | 12 | 42 | 0.003 | 86.2 | 577,225.00 | 1.29 | 369 | 368.87 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 513,493.37 | 2.65 |
| F07039-F07037 | 8 | 325 | 0.009 | 11.2 | 23,355.24 | 1.23 | 462 | 459 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 886,761.35 | 4.57 |
| H11105-H11103 | 8 | 66 | 0.003 | 26 | 73,882.89 | 1.23 | 368 | 367.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 508,078.52 | 2.62 |
| D13025-D13023 | 8 | 159 | 0.006 | 14.1 | 29,354.65 | 1.23 | 427 | 426 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 731,963.20 | 3.78 |
| D12047-D12045 | 8 | 156 | 0.008 | 11.2 | 22,207.30 | 1.22 | 440.3 | 439 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 842,552.91 | 4.35 |
| G02019-G02017 | 8 | 99 | 0.006 | 12 | 17,896.63 | 0.98 | 513.38 | 512.81 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 700,337.91 | 3.61 |
| F04009-F04007 | 8 | 249 | 0.012 | 9 | 13,637.17 | 1.24 | 518 | 515 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,013,091.71 | 5.22 |
| F07113-F07081 | 8 | 264 | 0.008 | 23.5 | 27,944.79 | 1.24 | 473 | 471 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 803,342.68 | 4.14 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| K12039-K12037 | 8 | 243 | 0.008 | 12.9 | 17,433.34 | 1.23 | 347 | 345 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 837,335.82 | 4.32 |
| D07075-D07073 | 8 | 251 | 0.008 | 10.9 | 20,278.08 | 1.23 | 524 | 522 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 823,883.76 | 4.25 |
| F13033-F13031 | 12 | 265 | 0.004 | 13.2 | 62,352.82 | 1.24 | 402 | 401 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,671,635.41 | 3.23 |
| G15065-G15063 | 8 | 168 | 0.012 | 7.1 | 10,031.67 | 1.24 | 492 | 490 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,007,043.35 | 5.19 |
| F02189-F02187 | 8 | 296 | 0.004 | 17.8 | 41,241.46 | 1.24 | 548.53 | 547.3 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 593,966.76 | 3.06 |
| K14025-K14023 | 18 | 193 | 0.001 | 26.2 | 397,771.84 | 1.23 | 322.25 | 322 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 2,887,570.12 | 2.48 |
| F08135-F08115 | 8 | 305 | 0.01 | 20.4 | 18,469.77 | 1.24 | 456 | 453 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 915,373.88 | 4.72 |
| E15065-E15063 | 8 | 333 | 0.018 | 7.6 | 9,793.12 | 1.23 | 470 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,238,914.44 | 6.39 |
| F03033-F03025 | 8 | 245 | 0.012 | 9.7 | 14,223.75 | 1.24 | 521 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,021,328.36 | 5.27 |
| D06003-D06001 | 8 | 11 | 0.091 | 11.7 | 1,230.03 | 1.24 | 523 | 522 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,782,860.68 | 14.35 |
| F04003-G04103 | 8 | 326 | 0.006 | 14.5 | 31,084.49 | 1.25 | 506 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 722,926.27 | 3.73 |
| H08011-H08009 | 8 | 107 | 0.006 | 16.5 | 42,566.51 | 1.24 | 433.65 | 433 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 719,370.45 | 3.71 |
| L14049-L14047 | 10 | 212 | 0.002 | 86.2 | 876,894.58 | 0.76 | 311.5 | 311 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 812,702.47 | 2.51 |
| E15107-E15105 | 8 | 256 | 0.016 | 7.2 | 10,687.85 | 1.25 | 477 | 473 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,153,713.09 | 5.95 |
| D16065-D16063 | 8 | 72 | 0.014 | 8.7 | 13,016.07 | 1.25 | 486 | 485 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,087,731.13 | 5.61 |
| D14077-D14063 | 8 | 245 | 0.024 | 8.1 | 6,443.63 | 1.27 | 457 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,444,376.42 | 7.45 |
| F20001-F19059 | 8 | 250 | 0.133 | 1.9 | 1,022.43 | 1.25 | 684.48 | 651.22 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,366,502.38 | 17.36 |
| L14025-L14023 | 8 | 147 | 0.014 | 7.2 | 11,062.15 | 1.25 | 313 | 311 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,076,574.62 | 5.55 |
| E16033-E16031 | 8 | 175 | 0.006 | 17.2 | 42,862.30 | 1.25 | 494 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 697,700.10 | 3.60 |
| E05057-E05031 | 8 | 377 | 0.013 | 40.3 | 13,312.47 | 1.25 | 525 | 520 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,062,923.81 | 5.48 |
| D04057-D04053 | 8 | 291 | 0.024 | 5.3 | 6,334.07 | 1.27 | 587 | 580 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,431,496.64 | 7.38 |
| G09063-G09061 | 8 | 387 | 0.01 | 8.9 | 13,743.73 | 1.25 | 429 | 425 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 938,344.52 | 4.84 |
| F08019-F08017 | 8 | 222 | 0.004 | 19.7 | 46,048.06 | 1.25 | 437 | 436.2 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 554,059.38 | 2.86 |
| D10041-D10039 | 8 | 326 | 0.018 | 6.6 | 6,041.24 | 1.24 | 464 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,252,145.03 | 6.46 |
| E15075-E15073 | 8 | 338 | 0.015 | 12.3 | 12,326.45 | 1.24 | 470 | 465 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,122,572.66 | 5.79 |
| D08041-D08039 | 12 | 265 | 0.008 | 10.1 | 47,907.46 | 1.24 | 459 | 457 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,364,049.46 | 4.57 |
| F19020-F19018 | 8 | 250 | 0.037 | 3.8 | 3,813.34 | 1.26 | 568.64 | 559.24 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,782,589.99 | 9.19 |
| F06063-F06061 | 8 | 66 | 0.003 | 31.1 | 86,621.89 | 1.25 | 481.7 | 481.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 508,078.52 | 2.62 |
| E03073-E04105 | 10 | 270 | 0.004 | 19 | 80,868.44 | 1.24 | 551 | 550 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,018,433.38 | 3.15 |
| F16043-F16041 | 8 | 238 | 0.004 | 21.5 | 60,153.86 | 1.25 | 493 | 492 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 598,272.90 | 3.09 |
| D13065-D13063 | 10 | 69 | 0.007 | 10.8 | 35,003.67 | 1.23 | 429.5 | 429 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,424,541.04 | 4.41 |
| D01027-D01025 | 8 | 211 | 0.014 | 8 | 12,731.77 | 1.25 | 619 | 616 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,100,543.48 | 5.68 |
| J14043-J14041 | 8 | 223 | 0.009 | 9.6 | 16,548.17 | 1.26 | 345 | 343 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 874,078.37 | 4.51 |
| E13021-E13019 | 12 | 272 | 0.001 | 54.2 | 516,315.82 | 1.25 | 423.8 | 423.5 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 903,734.11 | 1.75 |
| H12019-H12017 | 12 | 237 | 0.004 | 40.8 | 576,234.79 | 1.31 | 368.87 | 368 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,648,731.56 | 3.19 |
| G09049-G09047 | 8 | 301 | 0.013 | 8.1 | 10,539.48 | 1.26 | 431 | 427 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,063,982.67 | 5.49 |
| F16047-F16045 | 8 | 216 | 0.005 | 20.1 | 52,668.85 | 1.26 | 495 | 494 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 628,001.86 | 3.24 |
| G10039-G10037 | 8 | 253 | 0.004 | 19.1 | 41,139.74 | 1.26 | 401 | 400 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 580,266.56 | 2.99 |
| C09003-C09001 | 8 | 154 | 0.005 | 15.2 | 27,104.56 | 1.26 | 454.82 | 454 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 673,495.00 | 3.47 |
| G13113-G13111 | 8 | 265 | 0.008 | 10.7 | 16,388.39 | 1.26 | 394 | 392 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 801,825.51 | 4.14 |
| K15051-K15049 | 8 | 194 | 0.01 | 9 | 14,328.55 | 1.26 | 331 | 329 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 937,134.53 | 4.83 |
| G04103-G04101 | 8 | 332 | 0.006 | 14.8 | 33,954.62 | 1.26 | 504 | 502 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 716,364.02 | 3.69 |
| D13097-D13095 | 8 | 270 | 0.019 | 6.5 | 9,148.61 | 1.24 | 452 | 447 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,256,003.72 | 6.48 |
| E16065-E16063 | 8 | 346 | 0.014 | 8.9 | 12,779.80 | 1.26 | 495 | 490 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,109,519.04 | 5.72 |
| F10091-F10089 | 8 | 283 | 0.004 | 18.6 | 41,411.62 | 1.26 | 411 | 410 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 548,649.00 | 2.83 |
| D02105-D02103 | 8 | 90 | 0.022 | 6.1 | 7,189.18 | 1.26 | 620 | 618 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,375,883.14 | 7.10 |
| D11089-D11081 | 8 | 38 | 0.026 | 5.3 | 5,577.26 | 1.23 | 448 | 447 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,497,255.82 | 7.72 |
| F02045-F02043 | 8 | 152 | 0.01 | 2.4 | 670.31 | 0.46 | 527.32 | 525.78 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 929,022.80 | 4.79 |
| G13109-G13095 | 8 | 239 | 0.008 | 17.4 | 16,247.42 | 1.25 | 391 | 389 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 844,313.74 | 4.35 |
| D14041-D14039 | 12 | 300 | 0.003 | 16.6 | 93,895.62 | 1.26 | 443 | 442 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,571,100.15 | 3.04 |
| D06037-D06035 | 8 | 352 | 0.011 | 8.7 | 14,453.86 | 1.27 | 560 | 556 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 983,889.83 | 5.07 |
| E10005-E10003 | 24 | 282 | 0.001 | 31.3 | 1,026,289.05 | 1.25 | 416.8 | 416.58 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 4,826,118.03 | 2.41 |
| F06081-F06079 | 8 | 220 | 0.01 | 9.7 | 18,359.88 | 1.27 | 494.95 | 492.69 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 935,471.77 | 4.82 |
| C04071-D04039 | 8 | 333 | 0.027 | 5.5 | 5,608.28 | 1.24 | 622 | 613 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,517,354.11 | 7.83 |
| K12011-K12009 | 8 | 213 | 0.005 | 17.8 | 43,615.39 | 1.27 | 372 | 371 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 632,408.95 | 3.26 |
| F04173-F04171 | 8 | 273 | 0.007 | 12.3 | 25,332.89 | 1.27 | 533 | 531 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 789,989.80 | 4.07 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| G15009-G14035 | 8 | 287 | 0.014 | 7.8 | 13,277.07 | 1.26 | 439 | 435 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,089,624.49 | 5.62 |
| D17081-D17079 | 8 | 129 | 0.008 | 12.8 | 28,621.52 | 1.27 | 501 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 812,630.19 | 4.19 |
| F04123-F04119 | 8 | 243 | 0.014 | 9.3 | 12,069.27 | 1.27 | 515.99 | 512.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,073,946.43 | 5.54 |
| D08051-D08049 | 12 | 251 | 0.008 | 9.3 | 43,732.47 | 1.26 | 476 | 474 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,429,084.57 | 4.70 |
| C11013-C10025 | 8 | 306 | 0.016 | 11.7 | 7,521.51 | 1.27 | 513 | 508 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,179,810.06 | 6.08 |
| E06085-E06039 | 8 | 256 | 0.008 | 17.9 | 22,635.34 | 1.27 | 500 | 498 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 815,798.35 | 4.21 |
| D15057-D15055 | 8 | 262 | 0.027 | 4.7 | 5,854.76 | 1.24 | 493 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,508,641.96 | 7.78 |
| E15097-F15057 | 8 | 253 | 0.012 | 9.9 | 18,050.00 | 1.27 | 459 | 456 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,005,051.17 | 5.18 |
| D13003-D13001 | 8 | 182 | 0.005 | 17 | 42,841.76 | 1.27 | 423 | 422 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 684,151.23 | 3.53 |
| D07071-D07069 | 8 | 325 | 0.006 | 21.2 | 30,756.74 | 1.27 | 518 | 516 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 724,037.61 | 3.73 |
| E05059-E05057 | 8 | 135 | 0.015 | 7.6 | 12,219.09 | 1.27 | 527 | 525 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,123,403.88 | 5.79 |
| H05017-H05015 | 12 | 190 | 0.005 | 17.2 | 127,865.91 | 1.27 | 457 | 456 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,974,184.32 | 3.82 |
| D14009-D14003 | 8 | 210 | 0.014 | 7.4 | 12,247.38 | 1.28 | 461 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,103,160.71 | 5.69 |
| J15011-J14029 | 8 | 480 | 0.004 | 22.9 | 41,755.34 | 1.28 | 348 | 346 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 595,774.88 | 3.07 |
| C02009-C02007 | 8 | 198 | 0.005 | 19.2 | 52,651.06 | 1.27 | 630 | 629 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,926.55 | 3.38 |
| D14039-D13043 | 12 | 291 | 0.003 | 17.6 | 96,817.07 | 1.27 | 442 | 441 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,595,210.51 | 3.09 |
| G14027-G14025 | 10 | 314 | 0.013 | 7.6 | 17,539.21 | 1.27 | 425 | 421 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,888,772.63 | 5.84 |
| F07147-F08133 | 8 | 325 | 0.009 | 12.6 | 24,148.09 | 1.27 | 464 | 461 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 886,761.35 | 4.57 |
| F09037-F09035 | 8 | 121 | 0.007 | 12.6 | 25,094.94 | 1.27 | 433.87 | 433 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 782,626.86 | 4.04 |
| K13005-K13003 | 18 | 357 | 0.001 | 26.1 | 448,727.82 | 1.26 | 320 | 319.5 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 3,002,562.68 | 2.58 |
| G03043-G03037 | 8 | 290 | 0.007 | 12.9 | 25,937.16 | 1.28 | 511 | 509 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 766,485.26 | 3.95 |
| E10003-E10001 | 24 | 277 | 0.001 | 31 | 1,025,029.95 | 1.26 | 416.58 | 416.35 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 4,978,920.44 | 2.49 |
| F02185-F02184 | 8 | 126 | 0.005 | 17 | 40,690.47 | 1.27 | 546.06 | 545.41 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 650,142.92 | 3.35 |
| H13093-H13091 | 8 | 236 | 0.013 | 8.3 | 10,225.29 | 1.28 | 382 | 379 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,040,620.63 | 5.37 |
| F10089-F10079 | 8 | 261 | 0.004 | 25.1 | 41,374.76 | 1.27 | 410 | 409 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 571,304.38 | 2.95 |
| E06099-E07049 | 8 | 233 | 0.013 | 28.2 | 13,153.78 | 1.28 | 493 | 490 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,047,298.48 | 5.40 |
| F06123-F06121 | 8 | 302 | 0.007 | 15.3 | 30,849.66 | 1.28 | 486 | 484 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 751,102.72 | 3.87 |
| G08091-G08065 | 8 | 240 | 0.01 | 41.6 | 20,269.88 | 1.28 | 444 | 441.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 942,002.79 | 4.86 |
| D16011-D16009 | 15 | 280 | 0.004 | 14.6 | 133,002.32 | 1.27 | 489 | 488 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,948,575.03 | 3.80 |
| L13021-L13019 | 8 | 169 | 0.024 | 100 | 7,973.10 | 1.26 | 328 | 324 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,419,954.57 | 7.32 |
| F08139-F08113 | 8 | 307 | 0.01 | 27.7 | 20,484.97 | 1.28 | 455 | 452 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 912,387.33 | 4.71 |
| F19015-F18037 | 8 | 220.4 | 0.007 | 14.4 | 33,469.15 | 1.29 | 552.57 | 551 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 754,403.51 | 3.89 |
| D04039-D04031 | 8 | 343 | 0.017 | 10.6 | 10,268.11 | 1.28 | 613 | 607 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,220,720.88 | 6.30 |
| F18019-F18017 | 8 | 153 | 0.039 | 4.5 | 3,741.21 | 1.29 | 546 | 540 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,827,753.89 | 9.43 |
| E10007-E10005 | 24 | 336 | 0.001 | 31.4 | 1,027,671.59 | 1.27 | 417.06 | 416.8 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 4,806,491.61 | 2.40 |
| F13039-F13037 | 12 | 42 | 0.006 | 10.9 | 47,761.70 | 1.27 | 404.08 | 403.84 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,057,052.96 | 3.98 |
| D14095-D14093 | 8 | 78 | 0.013 | 8.4 | 14,917.67 | 1.28 | 456 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,045,058.27 | 5.39 |
| D07005-D07003 | 8 | 79 | 0.013 | 10.6 | 12,877.39 | 1.28 | 488 | 487 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,038,422.91 | 5.36 |
| E04035-E04031 | 8 | 267 | 0.007 | 15.1 | 30,284.05 | 1.29 | 544 | 542 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 798,816.77 | 4.12 |
| H07011-H07009 | 8 | 120 | 0.006 | 19.7 | 31,950.83 | 1.28 | 436 | 435.26 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 724,791.42 | 3.74 |
| F05007-G05107 | 8 | 284 | 0.007 | 13.5 | 30,311.66 | 1.28 | 500 | 498 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 774,539.61 | 3.99 |
| D07129-D07127 | 8 | 267 | 0.015 | 7.4 | 10,547.37 | 1.29 | 493 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,129,697.51 | 5.83 |
| D14057-D14055 | 8 | 279 | 0.043 | 3.2 | 3,396.89 | 1.3 | 503 | 491 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,914,151.59 | 9.87 |
| D15045-D14117 | 8 | 368 | 0.008 | 12.3 | 26,946.06 | 1.29 | 474 | 471 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 833,344.41 | 4.30 |
| H10027-H10025 | 8 | 244 | 0.002 | 35.1 | 106,285.74 | 1.28 | 397 | 396.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 417,809.10 | 2.15 |
| F19035-F19032 | 8 | 240 | 0.06 | 6.1 | 2,376.50 | 1.29 | 572.64 | 558.12 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,270,207.19 | 11.71 |
| F15077-F15075 | 8 | 183 | 0.016 | 7.2 | 11,510.15 | 1.27 | 470 | 467 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,181,742.60 | 6.09 |
| D12049-D12047 | 8 | 80 | 0.011 | 10.2 | 17,681.08 | 1.28 | 441.21 | 440.3 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 984,381.65 | 5.08 |
| H05019-H05017 | 12 | 122 | 0.016 | 12.3 | 38,810.45 | 1.29 | 459 | 457 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,484,171.95 | 6.74 |
| D05013-D05011 | 8 | 252 | 0.024 | 4.9 | 6,143.45 | 1.28 | 592 | 586 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,424,174.36 | 7.35 |
| D10033-D10031 | 8 | 343 | 0.015 | 7.9 | 9,023.29 | 1.29 | 459 | 454 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,114,360.60 | 5.75 |
| G02009-G02007 | 8 | 182 | 0.005 | 11.3 | 18,370.41 | 1.05 | 521.96 | 520.97 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 680,721.88 | 3.51 |
| D13023-D13021 | 8 | 154 | 0.006 | 15.1 | 33,314.83 | 1.28 | 426 | 425 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 743,750.80 | 3.84 |
| G09111-G09109 | 8 | 28 | 0.036 | 4.6 | 3,211.58 | 1.29 | 405 | 404 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,744,250.24 | 9.00 |
| G12065-G12007 | 15 | 300 | 0.005 | 13 | 82,547.10 | 1.28 | 381 | 379.48 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,511,982.68 | 4.53 |
| D17013-D16033 | 15 | 193 | 0.005 | 11.7 | 98,330.96 | 1.27 | 497 | 496 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,551,505.94 | 4.58 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| D05063-D05061 | 8 | 128 | 0.039 | 4.9 | 4,350.24 | 1.3 | 595 | 590 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,824,180.57 | 9.41 |
| E08027-E08025 | 15 | 12 | 0.042 | 2 | 4,014.25 | 1.28 | 454 | 453.5 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 10,071,301.06 | 12.99 |
| G10047-G10045 | 8 | 32 | 0.031 | 5.3 | 3,874.76 | 1.31 | 404 | 403 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,631,596.70 | 8.41 |
| G15073-G15071 | 8 | 252 | 0.02 | 5.3 | 5,824.63 | 1.28 | 430 | 425 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,300,087.37 | 6.71 |
| D05131-D05129 | 6 | 19 | 0.053 | 5.8 | 2,372.55 | 1.3 | 574 | 573 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 983,198.13 | 7.61 |
| G14073-G14071 | 8 | 230 | 0.017 | 6.7 | 7,582.21 | 1.29 | 421 | 417 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,217,177.41 | 6.28 |
| E16059-E16057 | 8 | 272 | 0.011 | 10.5 | 21,006.54 | 1.29 | 485 | 482 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 969,312.88 | 5.00 |
| E07087-E07085 | 8 | 239 | 0.004 | 20.3 | 47,892.87 | 1.29 | 471 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 597,019.97 | 3.08 |
| F06075-F06073 | 8 | 182 | 0.008 | 12.8 | 27,212.80 | 1.3 | 489.97 | 488.48 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 835,113.01 | 4.31 |
| J08019-J08017 | 8 | 85 | 0.013 | 9.7 | 14,840.81 | 1.29 | 403.31 | 402.2 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,054,726.44 | 5.44 |
| K11007-K11005 | 8 | 165 | 0.034 | 27.5 | 4,997.73 | 1.3 | 369 | 363.36 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,706,417.86 | 8.80 |
| F02192-F02190 | 8 | 179 | 0.004 | 17.6 | 41,505.94 | 1.29 | 549.88 | 549.06 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 616,149.10 | 3.18 |
| F10055-F10053 | 8 | 109 | 0.009 | 9.5 | 16,429.77 | 1.28 | 404 | 403 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 884,045.38 | 4.56 |
| J14067-J14055 | 8 | 121 | 0.008 | 14.8 | 21,643.45 | 1.3 | 334 | 333 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 839,064.07 | 4.33 |
| D05085-D05081 | 8 | 246 | 0.025 | 7.6 | 7,161.98 | 1.29 | 594.1 | 588 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,453,400.05 | 7.50 |
| D14093-D14091 | 8 | 78 | 0.013 | 8.6 | 15,588.49 | 1.3 | 455 | 454 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,045,058.27 | 5.39 |
| E06049-E06047 | 8 | 244 | 0.016 | 7.8 | 9,765.27 | 1.31 | 510 | 506 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,181,742.60 | 6.09 |
| D14061-D14059 | 8 | 115 | 0.104 | 1.9 | 1,360.44 | 1.28 | 527 | 515 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,981,463.59 | 15.38 |
| L13155-L13153 | 8 | 139 | 0.007 | 100 | 24,702.70 | 1.3 | 326 | 325 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 782,853.34 | 4.04 |
| F13105-F13103 | 8 | 244 | 0.012 | 10.6 | 17,196.78 | 1.3 | 415 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,023,419.11 | 5.28 |
| F10031-F10029 | 24 | 277 | 0.001 | 30.5 | 1,046,868.92 | 1.28 | 416 | 415.75 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 5,190,883.39 | 2.59 |
| D13099-D13097 | 8 | 224 | 0.022 | 5.8 | 8,143.41 | 1.3 | 457 | 452 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,378,950.89 | 7.11 |
| G04099-G04091 | 8 | 315 | 0.006 | 22.2 | 37,297.58 | 1.29 | 500 | 498 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 735,440.48 | 3.79 |
| J14005-K14071 | 8 | 234 | 0.009 | 11.9 | 20,478.79 | 1.28 | 331 | 329 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 853,286.50 | 4.40 |
| E03055-E03051 | 8 | 248 | 0.008 | 13 | 28,129.37 | 1.3 | 571 | 569 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 828,851.95 | 4.27 |
| C05019-D05087 | 8 | 249 | 0.033 | 4.2 | 4,991.35 | 1.31 | 610.5 | 602.3 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,674,923.82 | 8.64 |
| D14035-D14033 | 8 | 226 | 0.044 | 3.7 | 3,397.13 | 1.31 | 470 | 460 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,941,482.98 | 10.01 |
| J11001-J12017 | 8 | 356 | 0.008 | 13.2 | 27,751.30 | 1.3 | 367 | 364 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 847,273.13 | 4.37 |
| F14025-F14023 | 8 | 73 | 0.01 | 9.9 | 14,870.43 | 1.29 | 428 | 427.25 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 935,528.47 | 4.82 |
| D16009-D16007 | 15 | 277 | 0.004 | 14.8 | 139,426.05 | 1.29 | 488 | 487 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,964,499.05 | 3.82 |
| D14091-D14089 | 8 | 78 | 0.013 | 8.6 | 15,919.09 | 1.3 | 454 | 453 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,045,058.27 | 5.39 |
| D18045-D18009 | 12 | 112 | 0.054 | 3.8 | 8,617.07 | 1.25 | 525.9 | 519.26 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 6,322,604.00 | 12.23 |
| F02171-F02169 | 8 | 142 | 0.006 | 11.8 | 21,713.04 | 1.21 | 548.05 | 547.13 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 732,664.74 | 3.78 |
| H06021-H06007 | 8 | 228 | 0.014 | 23.4 | 12,554.28 | 1.3 | 442.2 | 439 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,093,441.05 | 5.64 |
| F19022-F19020 | 8 | 174 | 0.053 | 3.1 | 2,797.30 | 1.29 | 578.04 | 568.64 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,133,022.32 | 11.00 |
| H05047-H05045 | 8 | 269 | 0.007 | 22 | 68,767.97 | 1.29 | 466 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 795,841.65 | 4.10 |
| D07119-D07117 | 8 | 278 | 0.004 | 22.7 | 62,755.01 | 1.3 | 478 | 477 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 553,560.90 | 2.85 |
| G09065-G09057 | 8 | 382 | 0.01 | 10.3 | 16,021.01 | 1.3 | 424 | 420 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 944,465.55 | 4.87 |
| D05039-D06057 | 10 | 340 | 0.015 | 13.5 | 12,293.94 | 1.29 | 555 | 550 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,029,364.47 | 6.28 |
| D09095-D09093 | 8 | 240 | 0.004 | 17.6 | 38,912.04 | 1.31 | 439 | 438 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 595,774.88 | 3.07 |
| C03045-C03043 | 8 | 292 | 0.014 | 8 | 14,311.99 | 1.3 | 644 | 640 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,080,255.23 | 5.57 |
| F08017-F08015 | 8 | 51 | 0.004 | 19.9 | 49,880.00 | 1.3 | 436.2 | 436 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 577,986.53 | 2.98 |
| D14089-D14087 | 8 | 78 | 0.013 | 9.8 | 16,249.76 | 1.3 | 453 | 452 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,045,058.27 | 5.39 |
| J14069-J14067 | 8 | 121 | 0.008 | 11.1 | 21,854.73 | 1.31 | 335 | 334 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 839,064.07 | 4.33 |
| G14029-G14027 | 10 | 293 | 0.014 | 6.7 | 17,131.93 | 1.3 | 429 | 425 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,955,287.82 | 6.05 |
| F09023-F09021 | 15 | 117 | 0.009 | 6.7 | 33,377.30 | 1.29 | 428 | 427 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,561,401.16 | 5.88 |
| F03007-F03005 | 8 | 24 | 0.042 | 4.1 | 3,666.75 | 1.31 | 516 | 515 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,884,005.59 | 9.72 |
| G13097-G13095 | 10 | 371 | 0.003 | 22.7 | 97,975.24 | 1.3 | 390 | 389 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 868,815.49 | 2.69 |
| F07053-F07039 | 8 | 31 | 0.016 | 9.5 | 14,842.76 | 1.29 | 462.5 | 462 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,172,173.67 | 6.05 |
| F19051-F19048 | 8 | 0 | 0.069 | 2.5 | 2,040.66 | 1.32 | 605.75 | 573.9 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,418,151.66 | 12.47 |
| D02085-D02081 | 8 | 125 | 0.008 | 13.2 | 30,823.74 | 1.31 | 605 | 604 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 825,529.89 | 4.26 |
| D02027-D02025 | 8 | 302 | 0.01 | 11.3 | 24,935.35 | 1.3 | 610 | 607 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 919,909.20 | 4.74 |
| D02093-D02091 | 8 | 200 | 0.01 | 12.1 | 23,663.32 | 1.3 | 610 | 608 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 922,970.47 | 4.76 |
| E12145-E12143 | 8 | 404 | 0.007 | 15.3 | 35,063.71 | 1.31 | 410 | 407 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 795,349.02 | 4.10 |
| F06155-F06147 | 10 | 375 | 0.011 | 9.9 | 22,158.47 | 1.31 | 494 | 490 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,728,338.76 | 5.35 |
| F08023-F08021 | 8 | 258 | 0.016 | 11.8 | 8,594.95 | 1.31 | 442 | 438 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,149,232.63 | 5.93 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| E13079-E13077 | 8 | 316 | 0.006 | 19.2 | 45,018.09 | 1.31 | 429 | 427 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 734,275.88 | 3.79 |
| D14049-D14047 | 8 | 234 | 0.023 | 7.9 | 8,468.24 | 1.32 | 454.36 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,396,890.21 | 7.20 |
| F08129-F08123 | 12 | 240 | 0.004 | 15.8 | 79,775.42 | 1.31 | 456 | 455 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,756,543.37 | 3.40 |
| G03037-G03033 | 8 | 284 | 0.007 | 14.9 | 28,815.90 | 1.3 | 509 | 507 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 774,539.61 | 3.99 |
| E12147-E12145 | 8 | 387 | 0.008 | 14 | 32,418.04 | 1.32 | 413 | 410 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 812,630.19 | 4.19 |
| H10025-H10023 | 8 | 239 | 0.002 | 35.7 | 114,992.47 | 1.31 | 396.5 | 396 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 422,156.87 | 2.18 |
| H08009-H08007 | 12 | 585 | 0.009 | 10.4 | 42,449.48 | 1.31 | 433 | 428 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,515,773.67 | 4.87 |
| D14081-D14079 | 8 | 311 | 0.048 | 3.4 | 3,060.99 | 1.3 | 480 | 465 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,026,997.64 | 10.45 |
| G04101-G04099 | 8 | 300 | 0.007 | 15.1 | 35,785.17 | 1.31 | 502 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 753,602.23 | 3.89 |
| F08015-F08013 | 8 | 249 | 0.004 | 19.8 | 50,326.77 | 1.31 | 436 | 435 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 584,908.77 | 3.02 |
| J11079-J11077 | 8 | 210 | 0.005 | 23.7 | 68,706.66 | 1.32 | 366 | 365 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 636,910.14 | 3.28 |
| F08121-F08119 | 8 | 316 | 0.013 | 10.3 | 16,888.80 | 1.32 | 460 | 456 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,038,422.91 | 5.36 |
| E18037-E18035 | 8 | 118 | 0.042 | 3.6 | 4,388.30 | 1.32 | 532 | 527 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,899,904.65 | 9.80 |
| E01009-E01007 | 8 | 723 | 0.004 | 2.3 | 539.46 | 0.33 | 579.05 | 576.34 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 565,071.37 | 2.91 |
| E18021-E18019 | 8 | 196 | 0.033 | 8.1 | 6,079.99 | 1.33 | 528 | 521.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,680,801.59 | 8.67 |
| J08119-J08117 | 10 | 306 | 0.01 | 10.1 | 36,132.18 | 1.31 | 405.38 | 402.2 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,705,954.15 | 5.28 |
| E04049-E04047 | 8 | 259 | 0.008 | 21.9 | 29,869.84 | 1.31 | 542 | 540 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 811,059.89 | 4.18 |
| D14033-D14029 | 8 | 300 | 0.033 | 6.1 | 5,431.02 | 1.33 | 460 | 450 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,685,105.82 | 8.69 |
| F18043-F18041 | 8 | 203 | 0.039 | 5.1 | 4,406.52 | 1.32 | 555 | 547 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,832,250.22 | 9.45 |
| F10057-F10055 | 8 | 326 | 0.009 | 9.5 | 16,448.84 | 1.31 | 407 | 404 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 885,400.24 | 4.57 |
| E10075-E10073 | 8 | 197 | 0.005 | 19.6 | 31,620.38 | 1.32 | 429 | 428 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 657,589.23 | 3.39 |
| K12001-J12019 | 30 | 321 | 0.003 | 12.1 | 411,151.51 | 1.3 | 361 | 360 | Vitrified Clay Pipe-Circular-30 inch | 4.9 | 17,485,793.22 | 5.52 |
| J07133-J07131 | 8 | 42 | 0.032 | 4.4 | 6,023.04 | 1.33 | 420.09 | 418.74 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,654,741.07 | 8.53 |
| C03049-C03047 | 8 | 142 | 0.014 | 8.1 | 13,401.74 | 1.32 | 649 | 647 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,095,364.43 | 5.65 |
| J14089-J14087 | 8 | 271 | 0.004 | 25.9 | 65,566.91 | 1.32 | 335 | 334 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 560,664.63 | 2.89 |
| H06005-H06003 | 12 | 343 | 0.004 | 21.8 | 167,690.93 | 1.31 | 438.48 | 437.16 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,688,124.23 | 3.26 |
| D13061-D13059 | 10 | 260 | 0.008 | 11.5 | 40,816.99 | 1.33 | 426 | 424 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,467,718.72 | 4.54 |
| F17005-F17003 | 12 | 246 | 0.004 | 19.5 | 139,421.87 | 1.32 | 508 | 507 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,734,989.87 | 3.36 |
| F15075-F15073 | 8 | 182 | 0.016 | 7.5 | 12,854.70 | 1.32 | 467 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,184,984.69 | 6.11 |
| G09061-G09059 | 8 | 386 | 0.01 | 10.8 | 16,935.41 | 1.32 | 425 | 421 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 939,559.20 | 4.85 |
| E12141-E12139 | 8 | 397 | 0.008 | 16 | 39,320.57 | 1.32 | 405 | 402 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 802,330.28 | 4.14 |
| K15011-K15005 | 8 | 175 | 0.007 | 31.3 | 27,616.13 | 1.33 | 327 | 325.75 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 780,052.42 | 4.02 |
| H11115-H11113 | 8 | 258 | 0.004 | 22.4 | 63,109.37 | 1.32 | 370 | 369 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 574,616.32 | 2.96 |
| D06039-D06037 | 8 | 347 | 0.02 | 7.1 | 8,448.50 | 1.3 | 567 | 560 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,310,907.63 | 6.76 |
| D06097-D06095 | 8 | 329 | 0.009 | 14.4 | 21,501.09 | 1.31 | 532 | 529 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 881,354.21 | 4.55 |
| J14099-J14097 | 8 | 252 | 0.004 | 21.3 | 54,598.37 | 1.33 | 340 | 339 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 581,416.75 | 3.00 |
| E02047-E02045 | 8 | 219 | 0.013 | 0 | 0 | 0 | 586.57 | 583.71 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,054,748.14 | 5.44 |
| F17015-F17013 | 12 | 270 | 0.004 | 19.6 | 139,773.21 | 1.32 | 515.23 | 514.23 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,656,084.97 | 3.20 |
| E18023-E18021 | 8 | 195 | 0.036 | 4.2 | 5,406.78 | 1.33 | 535 | 528 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,748,716.96 | 9.02 |
| G02013-G02011 | 8 | 230 | 0.006 | 11.5 | 18,202.50 | 1.07 | 516.58 | 515.13 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 732,837.85 | 3.78 |
| C06021-C06019 | 8 | 294 | 0.014 | 10.5 | 13,399.62 | 1.33 | 554 | 550 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,076,574.62 | 5.55 |
| D14079-D14077 | 8 | 228 | 0.035 | 4.4 | 5,092.89 | 1.33 | 465 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,728,882.10 | 8.92 |
| C04075-C04071 | 8 | 199 | 0.05 | 3.7 | 3,116.65 | 1.31 | 632 | 622 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,069,003.71 | 10.67 |
| F09033-F09031 | 8 | 157 | 0.006 | 14.7 | 32,623.71 | 1.33 | 432 | 431 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 736,610.63 | 3.80 |
| F06055-F07101 | 8 | 268 | 0.004 | 29.2 | 92,817.41 | 1.33 | 479 | 478 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 563,793.95 | 2.91 |
| F02163-F02161 | 8 | 304 | 0.004 | 23 | 63,784.78 | 1.29 | 543.37 | 542.29 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 549,224.33 | 2.83 |
| D06129-D06127 | 8 | 212 | 0.014 | 7.9 | 12,654.22 | 1.34 | 535 | 532 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,097,944.79 | 5.66 |
| F09085-F09081 | 8 | 329 | 0.003 | 27.5 | 83,914.10 | 1.33 | 425 | 424 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 508,850.09 | 2.62 |
| F18001-F17025 | 12 | 251 | 0.004 | 17.6 | 115,659.24 | 1.33 | 528 | 527 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,717,622.17 | 3.32 |
| E02017-E02015 | 8 | 262 | 0.004 | 2.3 | 501.65 | 0.19 | 572.13 | 571.14 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 567,354.83 | 2.93 |
| G08131-G08129 | 8 | 392 | 0.01 | 12.3 | 24,992.55 | 1.33 | 443 | 439 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 932,340.97 | 4.81 |
| J08117-J08083 | 10 | 298 | 0.011 | 12 | 36,105.05 | 1.32 | 402.2 | 398.87 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,769,002.69 | 5.47 |
| H13071-H13069 | 12 | 42 | 0.014 | 5.1 | 12,591.18 | 1.33 | 375.32 | 374.75 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,170,131.52 | 6.13 |
| D09055-D09037 | 8 | 253 | 0.006 | 25 | 28,046.70 | 1.34 | 448 | 446.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 710,678.50 | 3.67 |
| G02031-G02029 | 8 | 48 | 0.008 | 12.7 | 17,908.16 | 1.05 | 510.38 | 509.99 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 831,954.34 | 4.29 |
| D06133-D06131 | 8 | 386 | 0.013 | 10.9 | 14,166.42 | 1.34 | 539 | 534 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,050,459.12 | 5.42 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| C04069-C04065 | 8 | 281 | 0.068 | 3.8 | 2,488.73 | 1.35 | 685 | 666 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,400,001.14 | 12.38 |
| J08121-J08119 | 10 | 191 | 0.011 | 10.1 | 36,147.13 | 1.33 | 407.4 | 405.38 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,720,970.83 | 5.33 |
| E06055-E06053 | 8 | 262 | 0.004 | 22.8 | 62,931.44 | 1.34 | 506 | 505 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 570,213.06 | 2.94 |
| E01013-E01011 | 8 | 343 | 0.009 | 0.7 | 58.45 | 0.23 | 584.02 | 581 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 866,052.50 | 4.47 |
| D16007-D16005 | 15 | 242 | 0.004 | 14.3 | 139,583.17 | 1.33 | 487 | 486 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,171,637.30 | 4.09 |
| F08087-F08085 | 8 | 301 | 0.007 | 16.8 | 45,791.55 | 1.33 | 450 | 448 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 752,349.36 | 3.88 |
| K15025-K15023 | 8 | 373 | 0.005 | 16.1 | 37,651.59 | 1.34 | 319 | 317 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 675,847.00 | 3.49 |
| G14035-G14031 | 10 | 190 | 0.016 | 6.2 | 15,649.24 | 1.32 | 435 | 432 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,102,801.78 | 6.51 |
| H11043-H11041 | 8 | 368 | 0.024 | 87.1 | 6,015.60 | 1.34 | 380 | 371.02 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,441,790.19 | 7.44 |
| D17069-D17067 | 12 | 29 | 0.009 | 12.7 | 68,282.53 | 1.33 | 511.75 | 511.5 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,526,594.25 | 4.89 |
| E05025-E05013 | 10 | 262 | 0.008 | 11.1 | 31,351.16 | 1.35 | 514 | 512 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,462,106.00 | 4.52 |
| F02184-F02182 | 8 | 65 | 0.006 | 16.3 | 40,583.90 | 1.34 | 545.41 | 544.99 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 704,930.34 | 3.64 |
| D05077-D05075 | 10 | 333 | 0.021 | 5.3 | 12,957.62 | 1.33 | 579 | 572 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,426,282.76 | 7.51 |
| G03031-G03029 | 8 | 248 | 0.004 | 21.8 | 57,214.60 | 1.25 | 505 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 586,086.84 | 3.02 |
| D10115-D10113 | 8 | 101 | 0.005 | 16 | 35,920.29 | 1.35 | 436.22 | 435.72 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 649,399.76 | 3.35 |
| J12065-J12059 | 10 | 204 | 0.005 | 18.1 | 83,396.19 | 1.34 | 362 | 361 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,171,654.12 | 3.63 |
| D02021-D02019 | 8 | 137 | 0.007 | 19 | 39,052.20 | 1.35 | 601 | 600 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 788,546.89 | 4.07 |
| G02007-G02005 | 8 | 120 | 0.006 | 11.2 | 18,425.74 | 1.11 | 522.69 | 521.96 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 719,877.52 | 3.71 |
| D17073-D17071 | 12 | 29 | 0.009 | 12.1 | 68,299.79 | 1.34 | 512.25 | 512 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,526,594.25 | 4.89 |
| E15103-E15101 | 8 | 236 | 0.017 | 8.1 | 13,363.69 | 1.34 | 470 | 466 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,201,605.21 | 6.20 |
| E03063-E03055 | 8 | 232 | 0.013 | 10.9 | 18,271.39 | 1.35 | 574 | 571 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,049,553.16 | 5.41 |
| G09127-G09125 | 8 | 360 | 0.011 | 12.2 | 24,001.89 | 1.34 | 417 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 972,896.30 | 5.02 |
| D08047-D08045 | 12 | 315 | 0.01 | 9 | 44,790.31 | 1.34 | 470 | 467 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,655,643.96 | 5.14 |
| D10053-D10047 | 8 | 132 | 0.03 | 6 | 4,530.93 | 1.34 | 470 | 466 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,606,685.36 | 8.29 |
| D15067-D15065 | 8 | 328 | 0.027 | 6.1 | 7,382.17 | 1.37 | 489 | 480 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,528,875.57 | 7.89 |
| H12001-J12043 | 21 | 451 | 0.002 | 30.3 | 705,467.38 | 1.34 | 360.7 | 360 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 4,767,895.30 | 3.07 |
| E05149-E05147 | 8 | 323 | 0.012 | 41.8 | 16,429.90 | 1.35 | 516 | 512 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,027,109.02 | 5.30 |
| F18009-F18005 | 12 | 242 | 0.004 | 17.6 | 108,464.58 | 1.34 | 531 | 530 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,749,269.87 | 3.38 |
| F05129-F05127 | 8 | 191 | 0.016 | 8.3 | 13,887.88 | 1.35 | 499 | 496 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,156,729.34 | 5.97 |
| D11009-D11007 | 8 | 189 | 0.005 | 19.8 | 33,582.43 | 1.35 | 447 | 446 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 671,362.23 | 3.46 |
| K15041-K15039 | 12 | 403 | 0.005 | 12.3 | 52,208.65 | 1.35 | 321 | 319 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,917,021.45 | 3.71 |
| D08061-D08059 | 8 | 313 | 0.01 | 12.9 | 32,235.47 | 1.33 | 493 | 490 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 903,600.09 | 4.66 |
| F06057-F06055 | 8 | 255 | 0.004 | 27 | 89,684.12 | 1.34 | 480 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 577,986.53 | 2.98 |
| D06087-D06085 | 8 | 339 | 0.012 | 10.8 | 17,143.25 | 1.35 | 538 | 534 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,002,577.50 | 5.17 |
| F17003-F17001 | 12 | 247 | 0.004 | 19.7 | 147,547.45 | 1.34 | 507 | 506 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,731,474.19 | 3.35 |
| F08131-F08129 | 8 | 328 | 0.006 | 19.6 | 47,604.82 | 1.35 | 458 | 456 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 720,718.85 | 3.72 |
| H13065-H13059 | 12 | 251 | 0.012 | 5.7 | 16,161.82 | 1.34 | 372 | 369 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,975,008.87 | 5.75 |
| H12045-H12043 | 8 | 179 | 0.006 | 18.4 | 39,919.22 | 1.35 | 367 | 366 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 689,860.52 | 3.56 |
| F05079-F05077 | 8 | 306 | 0.007 | 40 | 36,352.78 | 1.35 | 509 | 507 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 746,177.40 | 3.85 |
| H05007-H05005 | 12 | 250 | 0.006 | 17.6 | 131,700.19 | 1.34 | 447.83 | 446.24 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,170,166.50 | 4.20 |
| F08123-F08117 | 12 | 275 | 0.004 | 17.7 | 104,084.16 | 1.35 | 455 | 454 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,640,960.59 | 3.17 |
| D02057-D02055 | 8 | 315 | 0.006 | 16.9 | 45,670.80 | 1.35 | 608 | 606 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 735,440.48 | 3.79 |
| D15005-D15003 | 8 | 279 | 0.007 | 14.7 | 36,480.48 | 1.35 | 477 | 475 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 781,449.11 | 4.03 |
| F14063-F14053 | 10 | 263 | 0.008 | 23.1 | 47,474.86 | 1.35 | 429 | 427 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,459,323.69 | 4.52 |
| F14079-F14077 | 8 | 256 | 0.012 | 10.7 | 23,748.85 | 1.35 | 450 | 447 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 999,144.84 | 5.15 |
| F06059-F06057 | 8 | 252 | 0.004 | 26.5 | 88,095.89 | 1.35 | 481 | 480 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 581,416.75 | 3.00 |
| E01007-E01005 | 8 | 251 | 0.003 | 2.3 | 522.97 | 0.24 | 576.34 | 575.48 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 540,256.71 | 2.79 |
| J14091-J14089 | 8 | 259 | 0.004 | 23 | 65,806.31 | 1.36 | 336 | 335 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 573,505.95 | 2.96 |
| F02077-F02070 | 8 | 104 | 0.013 | 10.2 | 15,881.71 | 1.36 | 536.65 | 535.09 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,047,990.68 | 5.40 |
| D14059-D14057 | 8 | 156 | 0.077 | 2.7 | 2,039.19 | 1.28 | 515 | 503 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,559,859.51 | 13.20 |
| C03043-C03041 | 8 | 379 | 0.016 | 7.8 | 14,598.00 | 1.36 | 640 | 634 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,161,298.40 | 5.99 |
| H05005-H05003 | 12 | 249 | 0.005 | 18.6 | 144,032.64 | 1.36 | 446.24 | 445 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,920,329.12 | 3.71 |
| E03247-E03245 | 10 | 263 | 0.002 | 2 | 476.05 | 0.06 | 561.18 | 560.68 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 729,661.84 | 2.26 |
| J07117-J07115 | 10 | 300 | 0.009 | 12 | 35,969.85 | 1.34 | 413.56 | 410.97 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,554,904.65 | 4.81 |
| C03019-C04063 | 8 | 306 | 0.016 | 7.9 | 14,294.27 | 1.36 | 656 | 651 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,179,810.06 | 6.08 |
| J14097-J14095 | 8 | 253 | 0.004 | 22.2 | 60,717.96 | 1.36 | 339 | 338 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 580,266.56 | 2.99 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| F12013-F12011 | 12 | 211 | 0.005 | 13.6 | 74,374.16 | 1.36 | 393 | 392 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,873,368.75 | 3.62 |
| F02182-F02167 | 8 | 45 | 0.006 | 18.4 | 41,312.05 | 1.36 | 544.99 | 544.63 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 720,963.12 | 3.72 |
| C04051-C04049 | 8 | 286 | 0.016 | 8.4 | 13,329.46 | 1.37 | 831.57 | 827.12 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,151,290.17 | 5.94 |
| F03021-G03067 | 8 | 251 | 0.008 | 13.7 | 33,174.21 | 1.36 | 513 | 511 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 823,883.76 | 4.25 |
| D08057-D08055 | 8 | 278 | 0.011 | 12.6 | 32,547.52 | 1.35 | 486 | 483 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 958,795.61 | 4.94 |
| F13043-F13041 | 12 | 77 | 0.007 | 10.1 | 47,802.99 | 1.36 | 406 | 405.48 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,236,252.34 | 4.32 |
| C02019-C02015 | 8 | 259 | 0.008 | 14.3 | 33,923.35 | 1.37 | 636 | 634 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 811,059.89 | 4.18 |
| D16001-E16007 | 15 | 274 | 0.004 | 16.2 | 170,286.64 | 1.37 | 480 | 479 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,980,683.87 | 3.84 |
| D13001-D12011 | 8 | 150 | 0.007 | 18.1 | 44,787.16 | 1.37 | 422 | 421 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 753,602.23 | 3.89 |
| C06033-C06029 | 8 | 279 | 0.029 | 5.6 | 6,150.13 | 1.39 | 575 | 567 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,562,898.23 | 8.06 |
| K14103-K14101 | 10 | 395 | 0.002 | 37.4 | 203,485.40 | 1.37 | 311.16 | 310.5 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 684,050.13 | 2.12 |
| E14007-E14005 | 15 | 330 | 0.003 | 18.7 | 207,016.61 | 1.36 | 446 | 445 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,716,027.92 | 3.50 |
| F02190-F02189 | 8 | 93 | 0.005 | 17.3 | 41,326.69 | 1.38 | 549.06 | 548.53 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 682,244.24 | 3.52 |
| J14093-J14091 | 8 | 259 | 0.004 | 23 | 66,394.89 | 1.37 | 337 | 336 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 573,505.95 | 2.96 |
| E01005-E01003 | 8 | 296 | 0.004 | 2.3 | 518.72 | 0.22 | 575.48 | 574.39 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 560,086.62 | 2.89 |
| H06013-H06009 | 12 | 318 | 0.005 | 21.5 | 150,754.55 | 1.37 | 441 | 439.41 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,924,196.85 | 3.72 |
| F17021-F17019 | 12 | 212 | 0.005 | 19 | 115,413.15 | 1.37 | 524 | 523 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,868,945.20 | 3.61 |
| D17079-D17077 | 8 | 101 | 0.01 | 13.4 | 28,598.72 | 1.36 | 500 | 499 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 918,389.95 | 4.74 |
| E12083-E12007 | 10 | 394 | 0.01 | 30.5 | 36,251.99 | 1.37 | 410 | 406 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,686,150.72 | 5.22 |
| C02015-C02013 | 8 | 267 | 0.007 | 17.8 | 36,973.71 | 1.38 | 634 | 632 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 798,816.77 | 4.12 |
| F04169-F04167 | 8 | 228 | 0.009 | 13.9 | 28,160.42 | 1.38 | 529 | 527 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 864,441.05 | 4.46 |
| E05023-E05021 | 8 | 32 | 0.031 | 5.9 | 5,376.60 | 1.35 | 520 | 519 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,631,596.70 | 8.41 |
| F04007-F04005 | 8 | 255 | 0.012 | 9.9 | 20,246.58 | 1.37 | 515 | 512 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,001,102.04 | 5.16 |
| F12009-F12007 | 12 | 197 | 0.005 | 13.4 | 74,640.07 | 1.37 | 391 | 390 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,938,792.74 | 3.75 |
| F16037-F16023 | 8 | 168 | 0.006 | 23.9 | 61,622.87 | 1.37 | 490 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 712,087.18 | 3.67 |
| G03029-G03027 | 8 | 250 | 0.004 | 23.3 | 65,329.61 | 1.3 | 504 | 503 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 583,737.78 | 3.01 |
| G11003-G11001 | 8 | 300 | 0.022 | 99 | 7,346.43 | 1.39 | 380 | 373.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,358,575.75 | 7.01 |
| F10037-F10031 | 24 | 89 | 0.001 | 29.5 | 1,022,100.24 | 1.37 | 416.1 | 416 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 5,791,834.58 | 2.89 |
| F19048-F19047 | 8 | 0 | 0.061 | 6.5 | 3,392.35 | 1.42 | 573.9 | 570.85 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,279,568.91 | 11.76 |
| G08123-G08121 | 12 | 63 | 0.01 | 8.8 | 36,248.35 | 1.38 | 438 | 437.38 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,699,541.87 | 5.22 |
| D05003-D05001 | 8 | 345 | 0.006 | 18.3 | 42,615.20 | 1.38 | 563 | 561 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 702,737.71 | 3.62 |
| D08053-D08051 | 12 | 198 | 0.01 | 9 | 43,256.80 | 1.37 | 478 | 476 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,734,934.32 | 5.29 |
| E10071-E10069 | 8 | 66 | 0.003 | 26.9 | 71,290.23 | 1.38 | 427.6 | 427.4 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 508,078.52 | 2.62 |
| F08085-F08083 | 8 | 282 | 0.007 | 44.1 | 48,080.22 | 1.38 | 448 | 446 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 777,281.36 | 4.01 |
| F09029-F09027 | 8 | 133 | 0.008 | 15.3 | 32,556.59 | 1.38 | 430 | 429 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 800,316.90 | 4.13 |
| F16003-F15109 | 8 | 220 | 0.027 | 7.7 | 8,453.83 | 1.38 | 483 | 477 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,524,235.57 | 7.86 |
| J14095-J14093 | 8 | 253 | 0.004 | 22.8 | 64,926.34 | 1.38 | 338 | 337 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 580,266.56 | 2.99 |
| D09085-D09075 | 8 | 284 | 0.014 | 13.9 | 12,204.23 | 1.39 | 455 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,095,364.43 | 5.65 |
| J14033-J14031 | 8 | 249 | 0.004 | 22.2 | 63,219.79 | 1.38 | 348 | 347 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 584,908.77 | 3.02 |
| F05009-F05007 | 8 | 286 | 0.01 | 12.2 | 23,743.48 | 1.36 | 503 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 945,290.77 | 4.88 |
| E15083-E15081 | 8 | 232 | 0.009 | 14.2 | 37,025.50 | 1.39 | 469 | 467 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 856,956.57 | 4.42 |
| D13063-D13061 | 10 | 313 | 0.01 | 10.8 | 35,667.48 | 1.36 | 429 | 426 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,638,335.97 | 5.07 |
| G08015-G08013 | 8 | 291 | 0.007 | 14.7 | 34,060.09 | 1.38 | 439 | 437 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 765,167.14 | 3.95 |
| D10109-D10107 | 8 | 334 | 0.009 | 11.2 | 19,547.04 | 1.39 | 445 | 442 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 874,732.38 | 4.51 |
| E05003-E05001 | 8 | 262 | 0.011 | 16.1 | 19,614.50 | 1.38 | 527 | 524 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 987,637.99 | 5.09 |
| E15081-E15073 | 8 | 228 | 0.009 | 15.7 | 37,663.29 | 1.39 | 467 | 465 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 864,441.05 | 4.46 |
| J06097-J06089 | 8 | 302 | 0.008 | 12.5 | 26,304.40 | 1.39 | 432.81 | 430.33 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 836,392.59 | 4.31 |
| E12153-E12151 | 8 | 402 | 0.01 | 11.3 | 24,636.29 | 1.38 | 426 | 422 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 920,671.66 | 4.75 |
| F06079-F06077 | 8 | 200 | 0.013 | 14.3 | 19,815.42 | 1.39 | 492.69 | 490.13 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,044,221.89 | 5.39 |
| D04043-E04011 | 8 | 294 | 0.014 | 10.2 | 17,656.81 | 1.39 | 558 | 554 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,076,574.62 | 5.55 |
| D11073-E11123 | 8 | 260 | 0.019 | 7 | 12,627.11 | 1.37 | 435 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,279,929.75 | 6.60 |
| D05011-D05009 | 8 | 343 | 0.026 | 5.7 | 7,287.31 | 1.39 | 586 | 577 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,495,071.63 | 7.71 |
| H08019-H08017 | 8 | 26 | 0.038 | 10.2 | 5,499.75 | 1.4 | 429 | 428 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,810,094.02 | 9.34 |
| J12011-J12009 | 21 | 302 | 0.001 | 28.9 | 791,786.34 | 1.22 | 358.68 | 358.29 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 4,349,053.93 | 2.80 |
| D13043-D13041 | 12 | 275 | 0.004 | 18.5 | 122,065.32 | 1.38 | 441 | 440 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,640,960.59 | 3.17 |
| E06063-E06061 | 8 | 264 | 0.008 | 16.4 | 31,265.10 | 1.39 | 509 | 507 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 803,342.68 | 4.14 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| E01003-E01001 | 8 | 263 | 0.004 | 2.2 | 513.47 | 0.21 | 574.39 | 573.34 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 583,182.63 | 3.01 |
| D05129-D05127 | 8 | 294 | 0.024 | 6.4 | 9,871.38 | 1.37 | 573 | 566 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,424,174.36 | 7.35 |
| L14009-L13145 | 8 | 208 | 0.014 | 10.3 | 14,207.10 | 1.4 | 325 | 322 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,108,451.68 | 5.72 |
| D05075-D05073 | 10 | 312 | 0.022 | 5.7 | 13,950.43 | 1.38 | 572 | 565 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,506,606.90 | 7.76 |
| D04089-D04087 | 8 | 207 | 0.029 | 5.8 | 7,013.75 | 1.39 | 606 | 600 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,571,369.28 | 8.10 |
| E11121-E11119 | 10 | 197 | 0.015 | 41.1 | 19,049.28 | 1.4 | 421 | 418 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,065,104.45 | 6.39 |
| C08001-D08065 | 8 | 79 | 0.013 | 11.4 | 28,480.77 | 1.38 | 502 | 501 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,038,422.91 | 5.36 |
| E14009-E14007 | 15 | 324 | 0.003 | 18.6 | 206,240.48 | 1.39 | 447 | 446 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,741,060.96 | 3.53 |
| E15099-E15097 | 8 | 246 | 0.016 | 8.8 | 16,713.86 | 1.4 | 463 | 459 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,176,928.96 | 6.07 |
| C10013-C09001 | 8 | 281 | 0.011 | 12.9 | 16,332.63 | 1.38 | 457 | 454 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 953,663.75 | 4.92 |
| G05105-G05103 | 8 | 258 | 0.008 | 14.6 | 37,368.39 | 1.39 | 495 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 812,630.19 | 4.19 |
| E04009-E05051 | 8 | 333 | 0.009 | 18.9 | 30,776.48 | 1.4 | 549 | 546 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 876,044.80 | 4.52 |
| D05109-D05107 | 8 | 144 | 0.014 | 8.3 | 15,190.77 | 1.4 | 548 | 546 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,087,731.13 | 5.61 |
| D05087-D05085 | 8 | 252 | 0.033 | 4.8 | 6,234.03 | 1.37 | 602.3 | 594.1 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,664,924.19 | 8.59 |
| D19009-D19003 | 8 | 219 | 0.044 | 5.5 | 7,349.50 | 1.4 | 556.26 | 546.23 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,931,614.84 | 9.96 |
| C07097-C07095 | 8 | 118 | 0.017 | 8.4 | 13,563.09 | 1.4 | 529 | 527 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,201,605.21 | 6.20 |
| D05029-D05027 | 8 | 15 | 0.067 | 2.7 | 2,460.05 | 1.41 | 592 | 591 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,383,099.51 | 12.29 |
| D04045-D04043 | 8 | 290 | 0.017 | 8.1 | 13,230.30 | 1.4 | 563 | 558 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,211,919.60 | 6.25 |
| E01011-E01009 | 8 | 187 | 0.01 | 1.5 | 57.45 | 0.16 | 581 | 579.05 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 942,506.40 | 4.86 |
| G03027-G03025 | 8 | 256 | 0.004 | 27 | 73,072.95 | 1.33 | 503 | 502 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| F06147-F06145 | 10 | 276 | 0.007 | 11.9 | 43,002.81 | 1.39 | 490 | 488 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,424,541.04 | 4.41 |
| E01001-E02017 | 8 | 288 | 0.004 | 2.2 | 508.17 | 0.21 | 573.34 | 572.13 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 598,252.12 | 3.09 |
| C02025-C02023 | 8 | 270 | 0.015 | 9.5 | 17,608.74 | 1.4 | 644 | 640 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,123,403.88 | 5.79 |
| D07125-D07123 | 8 | 246 | 0.012 | 12.6 | 18,828.51 | 1.4 | 485 | 482 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,019,250.38 | 5.26 |
| C06013-C06011 | 8 | 259 | 0.031 | 5.1 | 6,150.13 | 1.43 | 579 | 571 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,622,119.77 | 8.37 |
| E12085-E12083 | 10 | 376 | 0.011 | 10 | 35,291.12 | 1.4 | 414 | 410 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,726,038.91 | 5.34 |
| E12063-E12061 | 8 | 131 | 0.008 | 15.6 | 38,897.45 | 1.4 | 412 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 806,403.05 | 4.16 |
| E12061-E12009 | 8 | 144 | 0.007 | 37.7 | 43,948.64 | 1.41 | 411 | 410 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 769,142.06 | 3.97 |
| D06073-D06023 | 8 | 181 | 0.006 | 25.6 | 47,967.52 | 1.41 | 533 | 532 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 686,038.55 | 3.54 |
| C06037-C06035 | 8 | 193 | 0.031 | 7.2 | 6,150.13 | 1.44 | 547 | 541 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,627,364.28 | 8.39 |
| G11021-G11011 | 8 | 325 | 0.009 | 85.9 | 25,147.37 | 1.41 | 378 | 375 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 886,761.35 | 4.57 |
| C02011-C02009 | 8 | 148 | 0.007 | 18.5 | 52,119.12 | 1.4 | 631 | 630 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 758,677.05 | 3.91 |
| D03015-D03013 | 8 | 99 | 0.01 | 12.4 | 30,370.88 | 1.39 | 597 | 596 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 927,620.23 | 4.78 |
| F07001-F08087 | 8 | 125 | 0.008 | 16.2 | 43,828.26 | 1.41 | 451 | 450 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 825,529.89 | 4.26 |
| D05079-D05077 | 10 | 308 | 0.026 | 5.1 | 12,058.28 | 1.42 | 587 | 579 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,697,019.86 | 8.35 |
| D13059-D13051 | 10 | 112 | 0.009 | 13.3 | 44,205.75 | 1.42 | 424 | 423 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,581,268.05 | 4.89 |
| G13037-G13031 | 8 | 259 | 0.004 | 23.2 | 67,798.39 | 1.41 | 392 | 391 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 573,505.95 | 2.96 |
| G05103-G05101 | 8 | 247 | 0.008 | 15.3 | 37,890.56 | 1.4 | 493 | 491 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 830,528.10 | 4.28 |
| F08021-F08019 | 8 | 191 | 0.005 | 18.5 | 44,189.83 | 1.42 | 438 | 437 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 667,838.00 | 3.44 |
| E03091-E03089 | 8 | 182 | 0.005 | 20.5 | 62,862.31 | 1.41 | 563 | 562 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 684,151.23 | 3.53 |
| F14093-F14091 | 8 | 262 | 0.011 | 11.5 | 27,296.62 | 1.41 | 449 | 446 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 987,637.99 | 5.09 |
| F17023-F17021 | 12 | 200 | 0.005 | 16.7 | 115,482.69 | 1.41 | 525 | 524 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,924,196.85 | 3.72 |
| H10041-H10039 | 8 | 352 | 0.006 | 19 | 41,787.82 | 1.42 | 390 | 388 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 695,715.17 | 3.59 |
| F18037-F18035 | 8 | 251 | 0.009 | 14.9 | 34,095.97 | 1.42 | 551 | 549 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 882,024.70 | 4.55 |
| D15013-D15009 | 8 | 229 | 0.026 | 9.7 | 9,009.73 | 1.43 | 485 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,493,983.12 | 7.71 |
| F15055-F14079 | 8 | 252 | 0.016 | 9.8 | 19,691.52 | 1.42 | 454 | 450 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,162,833.49 | 6.00 |
| C04063-C04061 | 8 | 296 | 0.017 | 8.1 | 16,133.40 | 1.42 | 651 | 646 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,199,573.75 | 6.19 |
| K12059-K12057 | 8 | 211 | 0.014 | 8.4 | 16,148.19 | 1.42 | 364 | 361 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,100,543.48 | 5.68 |
| D11023-D11021 | 8 | 269 | 0.004 | 22.9 | 64,541.40 | 1.42 | 466 | 465 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 562,745.03 | 2.90 |
| D15079-D15077 | 8 | 116 | 0.103 | 2.2 | 2,039.01 | 1.44 | 588 | 576 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,968,584.64 | 15.31 |
| H13059-H13051 | 12 | 262 | 0.011 | 6.1 | 20,606.31 | 1.43 | 369 | 366 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,911,886.75 | 5.63 |
| D05035-D05033 | 8 | 326 | 0.018 | 8 | 12,173.02 | 1.42 | 579.81 | 574 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,232,159.91 | 6.35 |
| D05127-D05125 | 8 | 91 | 0.022 | 23.7 | 12,298.80 | 1.44 | 566 | 564 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,368,302.46 | 7.06 |
| D16015-D16013 | 15 | 194 | 0.005 | 12.8 | 124,364.52 | 1.42 | 492 | 491 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,542,340.74 | 4.57 |
| D10049-D10047 | 8 | 155 | 0.019 | 7.1 | 9,021.73 | 1.44 | 469 | 466 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,284,051.92 | 6.62 |
| K10005-K10003 | 15 | 307 | 0.003 | 23.5 | 341,046.89 | 1.4 | 369 | 368 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,815,931.02 | 3.63 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| E12149-E12147 | 8 | 412 | 0.01 | 13.1 | 30,455.16 | 1.43 | 417 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 909,429.83 | 4.69 |
| E18063-E18061 | 8 | 44 | 0.03 | 5.9 | 8,778.54 | 1.42 | 543.1 | 541.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,586,474.68 | 8.18 |
| G14031-G14029 | 10 | 172 | 0.017 | 6.5 | 16,927.53 | 1.4 | 432 | 429 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,210,094.85 | 6.84 |
| E08063-E08059 | 8 | 330 | 0.006 | 26.2 | 46,125.61 | 1.42 | 467 | 465 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 718,531.54 | 3.71 |
| H09031-H09029 | 12 | 401 | 0.007 | 11.7 | 66,636.33 | 1.42 | 418 | 415 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,353,709.93 | 4.55 |
| F01019-F01017 | 8 | 224 | 0.031 | 0 | 0 | 0 | 535.9 | 528.92 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,629,264.18 | 8.40 |
| C06043-C06041 | 8 | 376 | 0.029 | 6 | 7,227.94 | 1.42 | 555 | 544 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,578,665.90 | 8.14 |
| D02029-D02027 | 8 | 305 | 0.013 | 10.8 | 23,756.07 | 1.43 | 614 | 610 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,056,982.71 | 5.45 |
| F09081-G09033 | 8 | 278 | 0.004 | 27.2 | 89,696.21 | 1.43 | 424 | 423 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 553,560.90 | 2.85 |
| G13059-G13057 | 8 | 352 | 0.006 | 17.6 | 36,255.67 | 1.43 | 404 | 402 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 695,715.17 | 3.59 |
| C04045-C04043 | 8 | 256 | 0.013 | 9.8 | 21,274.45 | 1.43 | 821.29 | 817.84 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,071,463.48 | 5.53 |
| D14053-D14051 | 8 | 319 | 0.038 | 4.4 | 6,444.69 | 1.45 | 479 | 467 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,790,123.89 | 9.23 |
| C07099-C07097 | 8 | 333 | 0.018 | 7.4 | 13,113.56 | 1.43 | 535 | 529 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,238,914.44 | 6.39 |
| D13087-D13081 | 8 | 67 | 0.015 | 11 | 19,173.02 | 1.43 | 442 | 441 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,127,587.90 | 5.82 |
| F08133-F08131 | 8 | 330 | 0.009 | 15.6 | 35,661.16 | 1.43 | 461 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 880,017.82 | 4.54 |
| E06065-E06063 | 8 | 266 | 0.015 | 10.8 | 15,713.02 | 1.44 | 513 | 509 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,131,819.01 | 5.84 |
| F11053-F11043 | 8 | 234 | 0.009 | 14.6 | 22,551.43 | 1.44 | 394 | 392 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 853,286.50 | 4.40 |
| C03041-D03005 | 8 | 322 | 0.019 | 7.7 | 15,181.07 | 1.43 | 634 | 628 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,259,898.32 | 6.50 |
| D16067-D16065 | 8 | 302 | 0.02 | 7.4 | 13,043.96 | 1.44 | 492 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,300,948.07 | 6.71 |
| D05095-D05093 | 8 | 282 | 0.018 | 8.6 | 12,400.64 | 1.44 | 554 | 549 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,228,989.73 | 6.34 |
| F14027-F14025 | 8 | 349 | 0.014 | 8.3 | 13,330.63 | 1.44 | 433 | 428 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,104,740.04 | 5.70 |
| G07081-G07079 | 8 | 397 | 0.013 | 11.3 | 23,545.62 | 1.43 | 451 | 446 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,035,803.93 | 5.34 |
| H09029-H09027 | 12 | 407 | 0.007 | 11.9 | 69,715.15 | 1.43 | 415 | 412 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,336,296.30 | 4.52 |
| H11113-H11105 | 8 | 211 | 0.005 | 24 | 69,024.06 | 1.43 | 369 | 368 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 635,399.08 | 3.28 |
| F10101-F10099 | 8 | 202 | 0.01 | 10.4 | 19,091.11 | 1.44 | 409 | 407 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 918,389.95 | 4.74 |
| D14017-D14015 | 8 | 319 | 0.041 | 4.2 | 5,763.29 | 1.45 | 483 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,863,220.02 | 9.61 |
| F04151-F04149 | 15 | 264 | 0.002 | 16.5 | 126,458.24 | 0.99 | 522 | 521.5 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,147,208.60 | 2.77 |
| K14017-K14015 | 18 | 259 | 0.002 | 25.4 | 427,014.14 | 1.43 | 321 | 320.5 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 3,525,139.51 | 3.03 |
| G14009-G13057 | 8 | 277 | 0.029 | 12.2 | 6,375.80 | 1.43 | 410 | 402 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,568,530.31 | 8.09 |
| E07029-E07027 | 12 | 267 | 0.004 | 16.2 | 94,740.69 | 1.44 | 497.3 | 496.3 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,665,362.83 | 3.22 |
| J12025-J12023 | 30 | 107 | 0.004 | 10.6 | 453,372.52 | 1.42 | 358.49 | 358.09 | Vitrified Clay Pipe-Circular-30 inch | 4.9 | 19,154,726.76 | 6.05 |
| F08013-F08011 | 8 | 252 | 0.005 | 19 | 52,560.98 | 1.44 | 435 | 433.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 662,917.09 | 3.42 |
| K15007-K15005 | 12 | 155 | 0.002 | 37.1 | 321,224.29 | 1.43 | 326 | 325.75 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,092,870.37 | 2.11 |
| H12039-H12037 | 8 | 119 | 0.006 | 16.6 | 44,220.79 | 1.43 | 365 | 364.24 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 737,600.36 | 3.80 |
| F11045-F11043 | 8 | 340 | 0.006 | 17 | 38,922.48 | 1.44 | 394 | 392 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 707,886.04 | 3.65 |
| E05009-E05003 | 8 | 325 | 0.018 | 8.4 | 12,205.66 | 1.44 | 533 | 527 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,254,069.92 | 6.47 |
| F14075-F14073 | 8 | 253 | 0.012 | 11.7 | 29,125.11 | 1.44 | 443 | 440 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,005,051.17 | 5.18 |
| G10031-G10027 | 8 | 330 | 0.003 | 29 | 92,847.89 | 1.44 | 399 | 398 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 508,078.52 | 2.62 |
| J12073-J12065 | 8 | 324 | 0.006 | 22 | 72,718.68 | 1.43 | 364 | 362 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 725,154.09 | 3.74 |
| E18035-E18019 | 8 | 113 | 0.049 | 7.8 | 5,065.20 | 1.45 | 527 | 521.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,036,244.53 | 10.50 |
| C06005-C06003 | 8 | 329 | 0.009 | 17.8 | 28,881.46 | 1.45 | 540 | 537 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 881,354.21 | 4.55 |
| E15045-E15043 | 8 | 105 | 0.005 | 26.3 | 96,147.44 | 1.44 | 458 | 457.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 636,910.14 | 3.28 |
| D02025-D02023 | 8 | 309 | 0.013 | 12.5 | 26,411.33 | 1.44 | 607 | 603 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,050,119.11 | 5.42 |
| C06059-C06057 | 8 | 197 | 0.02 | 6.7 | 11,438.53 | 1.46 | 541 | 537 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,315,178.47 | 6.78 |
| D01023-D02059 | 8 | 212 | 0.019 | 13.1 | 15,481.24 | 1.45 | 613 | 609 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,267,797.45 | 6.54 |
| E07025-E07023 | 12 | 320 | 0.031 | 4.2 | 7,688.38 | 1.41 | 501 | 491 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 4,810,492.13 | 9.30 |
| D07111-D07099 | 8 | 216 | 0.032 | 13.2 | 6,408.42 | 1.47 | 500 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,661,536.75 | 8.57 |
| D10105-D10023 | 8 | 305 | 0.007 | 100 | 34,587.04 | 1.44 | 438 | 436 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 747,399.64 | 3.85 |
| D14001-E14025 | 8 | 186 | 0.011 | 13.1 | 27,387.65 | 1.43 | 457 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 957,075.80 | 4.94 |
| D07127-D07125 | 8 | 254 | 0.016 | 8.7 | 15,316.60 | 1.45 | 489 | 485 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,158,246.36 | 5.97 |
| F14091-F14089 | 8 | 249 | 0.012 | 11.7 | 28,618.87 | 1.45 | 446 | 443 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,013,091.71 | 5.22 |
| D09027-D09017 | 8 | 442 | 0.007 | 28.6 | 31,889.11 | 1.45 | 446 | 443 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 760,391.58 | 3.92 |
| F07101-F07099 | 8 | 260 | 0.004 | 31.2 | 118,252.06 | 1.44 | 478 | 477 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 572,401.99 | 2.95 |
| K14019-K14017 | 18 | 231 | 0.002 | 22.8 | 402,436.61 | 1.43 | 321.5 | 321 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 3,732,675.20 | 3.21 |
| D09039-D09037 | 8 | 207 | 0.002 | 35.1 | 111,406.11 | 1.45 | 447 | 446.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 453,615.24 | 2.34 |
| D11077-D11075 | 8 | 117 | 0.026 | 6 | 9,903.78 | 1.44 | 444 | 441 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,477,935.58 | 7.62 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| G13049-G13047 | 8 | 296 | 0.01 | 15.2 | 20,846.66 | 1.46 | 400 | 397 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 929,185.83 | 4.79 |
| J12009-J12007 | 21 | 317 | 0.002 | 27.7 | 791,786.34 | 1.27 | 358.29 | 357.81 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 4,709,306.41 | 3.04 |
| D05009-D05007 | 8 | 281 | 0.021 | 9.2 | 10,857.13 | 1.45 | 577 | 571 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,348,684.21 | 6.96 |
| F10029-F10027 | 24 | 193 | 0.001 | 27.7 | 1,045,368.27 | 1.44 | 415.75 | 415.5 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 6,218,741.48 | 3.10 |
| D10039-D10037 | 8 | 223 | 0.013 | 12 | 15,033.65 | 1.45 | 458 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,070,523.00 | 5.52 |
| F12011-F12009 | 12 | 172 | 0.006 | 13.2 | 74,500.58 | 1.45 | 392 | 391 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,074,914.83 | 4.01 |
| G12019-G12007 | 8 | 248 | 0.004 | 28.3 | 94,568.57 | 1.45 | 380.41 | 379.48 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 565,201.68 | 2.91 |
| E15073-E15071 | 8 | 265 | 0.008 | 17.1 | 51,280.16 | 1.45 | 465 | 463 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 801,825.51 | 4.14 |
| E05119-F05067 | 8 | 403 | 0.01 | 13.6 | 29,180.58 | 1.46 | 526 | 522 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 919,528.68 | 4.74 |
| F14087-F14085 | 8 | 261 | 0.011 | 12.7 | 30,929.78 | 1.44 | 440 | 437 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 989,528.21 | 5.10 |
| D05073-D05041 | 10 | 337 | 0.021 | 21.3 | 17,091.96 | 1.45 | 565 | 558 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,411,840.47 | 7.46 |
| D04005-D04003 | 8 | 329 | 0.015 | 9.2 | 19,967.92 | 1.46 | 608 | 603 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,137,823.40 | 5.87 |
| D16059-D16001 | 8 | 220 | 0.014 | 20.3 | 23,131.62 | 1.46 | 483 | 480 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,077,797.31 | 5.56 |
| E04011-E04009 | 8 | 460 | 0.011 | 12.2 | 27,035.44 | 1.44 | 554 | 549 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 962,263.24 | 4.96 |
| F10019-F10017 | 24 | 294 | 0.001 | 27.4 | 1,045,771.23 | 1.44 | 415 | 414.6 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 6,373,345.81 | 3.18 |
| D12041-E12089 | 8 | 400 | 0.013 | 11.5 | 26,978.66 | 1.46 | 429 | 424 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,031,912.36 | 5.32 |
| E10077-E10075 | 8 | 106 | 0.009 | 12.8 | 21,551.85 | 1.47 | 430 | 429 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 896,468.17 | 4.62 |
| D15081-D15079 | 8 | 124 | 0.121 | 1.9 | 1,700.55 | 1.46 | 603 | 588 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,210,129.81 | 16.56 |
| E10037-E10035 | 8 | 264 | 0.004 | 22.4 | 62,536.64 | 1.46 | 411 | 410 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 568,049.06 | 2.93 |
| F13031-F13029 | 12 | 363 | 0.006 | 12.6 | 68,246.87 | 1.46 | 401 | 399 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,019,882.86 | 3.91 |
| C06001-D06013 | 8 | 294 | 0.003 | 29.2 | 100,153.30 | 1.46 | 535 | 534 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 538,287.31 | 2.78 |
| F14089-F14087 | 8 | 246 | 0.012 | 11.9 | 29,944.03 | 1.46 | 443 | 440 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,019,250.38 | 5.26 |
| D02097-D02095 | 8 | 131 | 0.015 | 11.3 | 20,328.17 | 1.47 | 613 | 611 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,140,426.12 | 5.88 |
| E16055-E15089 | 8 | 396 | 0.015 | 10.8 | 23,325.88 | 1.47 | 480 | 474 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,136,098.12 | 5.86 |
| E03103-E03101 | 8 | 226 | 0.009 | 15.9 | 38,497.94 | 1.46 | 568 | 566 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 868,257.58 | 4.48 |
| E15049-E15047 | 8 | 15 | 0.005 | 24.6 | 89,426.98 | 1.46 | 461.09 | 461.01 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 674,042.33 | 3.48 |
| D09081-D09079 | 8 | 176 | 0.006 | 16.9 | 40,510.22 | 1.47 | 454 | 453 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 695,715.17 | 3.59 |
| F09087-F09085 | 8 | 379 | 0.005 | 23.9 | 60,109.83 | 1.47 | 427 | 425 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 670,475.94 | 3.46 |
| J11089-J11087 | 8 | 226 | 0.009 | 17.2 | 46,192.49 | 1.46 | 371 | 369 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 868,257.58 | 4.48 |
| G08069-G08067 | 12 | 205 | 0.001 | 52.9 | 571,677.65 | 1.46 | 442 | 441.7 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,040,993.92 | 2.01 |
| L14045-L14043 | 10 | 129 | 0.004 | 68.8 | 852,888.06 | 0.89 | 310.5 | 310 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,041,848.70 | 3.22 |
| J12091-J12089 | 10 | 156 | 0.006 | 17.6 | 90,021.30 | 1.46 | 359 | 358 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,339,837.75 | 4.15 |
| K11071-K11069 | 8 | 130 | 0.008 | 16.9 | 36,485.90 | 1.47 | 347 | 346 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 809,498.65 | 4.17 |
| E05109-E05025 | 8 | 213 | 0.009 | 12.5 | 29,160.44 | 1.47 | 516 | 514 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 894,361.31 | 4.61 |
| E15089-E15083 | 8 | 402 | 0.012 | 12.9 | 29,317.67 | 1.47 | 474 | 469 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,029,342.21 | 5.31 |
| F09091-F09089 | 8 | 177 | 0.006 | 19 | 55,182.38 | 1.48 | 431 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 693,747.09 | 3.58 |
| K15039-K15037 | 12 | 401 | 0.005 | 13.7 | 71,169.87 | 1.47 | 319 | 317 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,921,796.11 | 3.72 |
| F10079-F10077 | 8 | 367 | 0.003 | 33.2 | 107,343.83 | 1.48 | 409 | 408 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 481,786.66 | 2.48 |
| G04093-G04091 | 8 | 325 | 0.003 | 35.1 | 135,487.91 | 1.43 | 499 | 498 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 511,971.90 | 2.64 |
| E02039-E02037 | 8 | 333 | 0.012 | 0 | 0 | 0 | 571.65 | 567.49 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,031,602.43 | 5.32 |
| D01063-E01033 | 8 | 297 | 0.027 | 0 | 0 | 0 | 601.16 | 593.17 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,513,850.44 | 7.81 |
| D04097-D04095 | 8 | 127 | 0.008 | 16 | 45,331.12 | 1.48 | 594 | 593 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 819,003.86 | 4.22 |
| F15061-F15059 | 8 | 216 | 0.014 | 10.4 | 24,630.07 | 1.48 | 456 | 453 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,087,731.13 | 5.61 |
| G12051-G12049 | 8 | 249 | 0.004 | 25.8 | 84,973.38 | 1.48 | 386 | 385 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 584,908.77 | 3.02 |
| D03011-D03009 | 8 | 351 | 0.011 | 22 | 32,134.25 | 1.46 | 590 | 586 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 985,290.38 | 5.08 |
| G12035-G12051 | 8 | 256 | 0.004 | 25.9 | 84,706.24 | 1.48 | 387 | 386 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| D06075-D06073 | 8 | 222 | 0.014 | 13.7 | 20,244.55 | 1.48 | 536 | 533 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,072,931.38 | 5.53 |
| F08117-F08115 | 12 | 249 | 0.004 | 19.5 | 127,270.12 | 1.48 | 454 | 453 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,724,506.46 | 3.34 |
| H10021-H10019 | 8 | 279 | 0.003 | 32.5 | 117,325.88 | 1.49 | 394.86 | 394 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 512,430.45 | 2.64 |
| H05013-H05011 | 12 | 253 | 0.008 | 15.4 | 128,184.97 | 1.48 | 453.26 | 451.14 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,490,991.05 | 4.82 |
| D04011-D04009 | 8 | 256 | 0.02 | 7.9 | 15,286.56 | 1.49 | 620 | 615 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,289,890.45 | 6.65 |
| H11055-H11051 | 8 | 300 | 0.027 | 79.5 | 7,344.82 | 1.47 | 381 | 373 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,507,204.47 | 7.77 |
| F09043-F09041 | 8 | 297 | 0.01 | 11.3 | 25,202.91 | 1.5 | 442 | 439 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 927,620.23 | 4.78 |
| E07075-E08065 | 8 | 267 | 0.015 | 12.8 | 18,071.22 | 1.49 | 472 | 468 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,129,697.51 | 5.83 |
| F14085-F14083 | 8 | 279 | 0.011 | 13.4 | 36,642.55 | 1.49 | 437 | 434 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 957,075.80 | 4.94 |
| E12155-E12153 | 8 | 74 | 0.014 | 10.6 | 22,456.83 | 1.49 | 427 | 426 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,072,931.38 | 5.53 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| E15033-E15031 | 10 | 335 | 0.006 | 20.8 | 102,173.75 | 1.48 | 452 | 450 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,293,025.54 | 4.00 |
| E13099-E13069 | 10 | 389 | 0.008 | 17.8 | 53,947.58 | 1.49 | 425 | 422 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,469,604.03 | 4.55 |
| F14071-F14067 | 10 | 90 | 0.011 | 10.6 | 38,827.71 | 1.47 | 436 | 435 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,763,978.36 | 5.46 |
| E02043-E02041 | 8 | 218 | 0.02 | 0 | 0 | 0 | 581.03 | 576.69 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,302,280.16 | 6.72 |
| F04171-F04169 | 8 | 177 | 0.011 | 11.9 | 26,876.59 | 1.48 | 531 | 529 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 981,106.54 | 5.06 |
| J14087-J14085 | 8 | 262 | 0.004 | 28.8 | 103,109.67 | 1.49 | 334 | 333 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 570,213.06 | 2.94 |
| D14021-D14019 | 8 | 149 | 0.074 | 3.2 | 3,397.20 | 1.53 | 510 | 499 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,507,789.13 | 12.93 |
| F19024-F19022 | 8 | 177 | 0.095 | 2.4 | 2,120.15 | 1.41 | 595 | 578.04 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,848,988.72 | 14.69 |
| E01015-E01013 | 8 | 292 | 0.012 | 0.7 | 60.51 | 0.23 | 587.4 | 584.02 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 993,012.54 | 5.12 |
| G03067-G03065 | 8 | 307 | 0.01 | 13.6 | 35,419.76 | 1.49 | 511 | 508 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 912,387.33 | 4.71 |
| D08029-D08027 | 8 | 174 | 0.017 | 7.8 | 14,782.34 | 1.5 | 484 | 481 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,211,919.60 | 6.25 |
| K14029-K14027 | 15 | 256 | 0.002 | 31.8 | 394,209.54 | 1.49 | 323 | 322.5 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,180,500.64 | 2.81 |
| F06111-F06109 | 10 | 23 | 0.015 | 12.4 | 31,326.24 | 1.49 | 480.24 | 479.9 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,034,651.58 | 6.30 |
| D02081-D02079 | 8 | 191 | 0.01 | 13.5 | 35,288.60 | 1.5 | 604 | 602 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 944,465.55 | 4.87 |
| E10065-E10063 | 8 | 248 | 0.004 | 26 | 72,236.49 | 1.5 | 426 | 425 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 586,086.84 | 3.02 |
| K12005-K12001 | 18 | 282 | 0.004 | 19.8 | 411,516.22 | 1.48 | 362 | 361 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 4,777,675.34 | 4.11 |
| D02079-D02077 | 8 | 300 | 0.01 | 13.9 | 37,373.52 | 1.49 | 602 | 599 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 922,970.47 | 4.76 |
| E16015-E16013 | 8 | 324 | 0.006 | 21.6 | 74,144.93 | 1.5 | 478 | 476 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 725,154.09 | 3.74 |
| H11117-H11115 | 8 | 346 | 0.006 | 20.9 | 57,317.04 | 1.5 | 372 | 370 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 701,721.46 | 3.62 |
| C02007-C02005 | 8 | 140 | 0.007 | 20.9 | 59,616.27 | 1.49 | 629 | 628 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 780,052.42 | 4.02 |
| L14019-L14017 | 12 | 306 | 0.002 | 72.4 | 961,973.01 | 1.39 | 308 | 307.5 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,099,990.13 | 2.13 |
| D17045-D17031 | 8 | 225 | 0.031 | 5.5 | 8,987.10 | 1.5 | 534 | 527 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,627,966.89 | 8.40 |
| G09029-G09027 | 8 | 248 | 0.004 | 32 | 96,733.53 | 1.5 | 420 | 419 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 586,086.84 | 3.02 |
| F02165-F02163 | 8 | 144 | 0.005 | 22.1 | 63,951.81 | 1.46 | 544.08 | 543.37 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 645,851.96 | 3.33 |
| D04013-D04011 | 8 | 232 | 0.026 | 7 | 11,434.92 | 1.52 | 626 | 620 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,484,292.32 | 7.66 |
| E10079-E10049 | 10 | 76 | 0.013 | 17.9 | 19,543.12 | 1.51 | 414 | 413 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,919,586.61 | 5.94 |
| E02003-E02001 | 10 | 198 | 0.003 | 1.8 | 484.81 | 0.09 | 563.44 | 562.83 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 928,852.66 | 2.87 |
| D17027-D17023 | 8 | 227 | 0.026 | 6.2 | 11,309.01 | 1.48 | 520 | 514 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,500,550.11 | 7.74 |
| E14087-E13085 | 8 | 238 | 0.013 | 14.6 | 29,940.84 | 1.5 | 433.13 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,058,452.80 | 5.46 |
| D06029-D06027 | 8 | 172 | 0.006 | 19.4 | 57,577.60 | 1.51 | 544 | 543 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 703,758.39 | 3.63 |
| H10043-H10041 | 8 | 290 | 0.01 | 14.1 | 26,978.67 | 1.51 | 393 | 390 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 938,748.89 | 4.84 |
| E10035-F10079 | 8 | 233 | 0.004 | 26.9 | 62,491.75 | 1.51 | 410 | 409 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 604,658.06 | 3.12 |
| H09023-H09003 | 12 | 281 | 0.007 | 15.1 | 84,106.87 | 1.51 | 407 | 405 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,295,759.21 | 4.44 |
| D15055-D15053 | 8 | 276 | 0.036 | 7.6 | 7,882.67 | 1.54 | 486 | 476 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,756,844.27 | 9.06 |
| D09079-D09077 | 8 | 176 | 0.006 | 17.3 | 45,576.28 | 1.51 | 453 | 452 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 695,715.17 | 3.59 |
| G03065-G03063 | 8 | 301 | 0.01 | 13.9 | 37,296.62 | 1.51 | 508 | 505 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 921,436.02 | 4.75 |
| K15047-K15045 | 8 | 111 | 0.018 | 8.4 | 14,395.23 | 1.51 | 327 | 325 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,238,914.44 | 6.39 |
| D12009-E12041 | 10 | 311 | 0.002 | 75.5 | 616,847.71 | 1.51 | 420 | 419.5 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 670,995.05 | 2.08 |
| G05111-G05109 | 8 | 199 | 0.02 | 9.6 | 14,619.08 | 1.51 | 487 | 483 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,308,552.84 | 6.75 |
| E03083-E03077 | 10 | 271 | 0.007 | 15.2 | 68,583.21 | 1.51 | 555 | 553 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,437,622.50 | 4.45 |
| F05119-F05017 | 8 | 312 | 0.016 | 39.1 | 21,375.05 | 1.51 | 492 | 487 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,168,410.66 | 6.03 |
| F15073-F15065 | 8 | 192 | 0.021 | 9 | 15,555.35 | 1.52 | 464 | 460 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,332,193.13 | 6.87 |
| F03023-F03021 | 8 | 255 | 0.012 | 12.7 | 28,658.31 | 1.5 | 516 | 513 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,001,102.04 | 5.16 |
| G03063-G03025 | 8 | 310 | 0.01 | 22.1 | 39,172.11 | 1.51 | 505 | 502 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 907,961.82 | 4.68 |
| E12089-E12087 | 8 | 400 | 0.013 | 12 | 30,323.03 | 1.5 | 424 | 419 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,031,912.36 | 5.32 |
| F06069-F06067 | 8 | 353 | 0.014 | 13.4 | 27,042.62 | 1.51 | 491 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,098,463.06 | 5.67 |
| C04061-C04023 | 8 | 308 | 0.019 | 11.2 | 17,655.23 | 1.52 | 646 | 640 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,288,214.18 | 6.64 |
| D03017-D03015 | 8 | 315 | 0.013 | 11.9 | 28,755.97 | 1.5 | 601 | 597 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,040,069.90 | 5.36 |
| F08115-F08113 | 12 | 272 | 0.004 | 25.3 | 153,482.23 | 1.52 | 453 | 452 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,649,985.19 | 3.19 |
| E15043-E15041 | 8 | 91 | 0.005 | 25.5 | 97,466.66 | 1.52 | 457.5 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 684,151.23 | 3.53 |
| E15037-E15035 | 10 | 328 | 0.006 | 20.4 | 99,035.94 | 1.52 | 455 | 453 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,306,750.23 | 4.04 |
| F16027-F16025 | 12 | 155 | 0.006 | 17.6 | 147,129.83 | 1.5 | 491 | 490 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,185,740.75 | 4.23 |
| C08005-C08003 | 8 | 377 | 0.016 | 11.9 | 27,309.65 | 1.51 | 510 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,164,374.69 | 6.01 |
| D08045-D08043 | 12 | 298 | 0.013 | 8.4 | 45,826.71 | 1.51 | 467 | 463 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,152,726.97 | 6.10 |
| D02069-D02059 | 8 | 251 | 0.02 | 13.2 | 16,765.78 | 1.53 | 614 | 609 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,302,674.61 | 6.72 |
| E03123-E03119 | 8 | 123 | 0.016 | 9.7 | 21,546.11 | 1.52 | 574 | 572 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,176,928.96 | 6.07 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| G04087-G04085 | 12 | 312 | 0.003 | 23.2 | 182,889.33 | 1.48 | 493 | 492 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,540,590.45 | 2.98 |
| E12087-E12085 | 8 | 403 | 0.012 | 12.3 | 32,304.69 | 1.5 | 419 | 414 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,028,064.32 | 5.30 |
| D08065-D08063 | 8 | 368 | 0.016 | 11.7 | 28,661.60 | 1.51 | 501 | 495 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,178,526.96 | 6.08 |
| D13095-D13087 | 8 | 215 | 0.023 | 8 | 13,445.95 | 1.5 | 447 | 442 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,407,516.77 | 7.26 |
| H10049-H10047 | 15 | 226 | 0.002 | 25.1 | 321,424.96 | 1.52 | 383.5 | 383 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,320,715.92 | 2.99 |
| D12045-D12043 | 8 | 324 | 0.015 | 10 | 23,321.28 | 1.53 | 439 | 434 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,146,569.29 | 5.91 |
| F10025-F10023 | 24 | 98 | 0.002 | 26.6 | 1,044,255.25 | 1.51 | 415.45 | 415.3 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 6,759,954.06 | 3.37 |
| F05057-F05055 | 8 | 341 | 0.006 | 21.5 | 68,285.77 | 1.53 | 513 | 511 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 706,847.32 | 3.65 |
| D02077-D02013 | 8 | 291 | 0.01 | 19.5 | 39,867.88 | 1.53 | 599 | 596 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 937,134.53 | 4.83 |
| F05061-F05057 | 8 | 320 | 0.006 | 20.4 | 62,844.63 | 1.53 | 515 | 513 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 729,672.23 | 3.76 |
| D14045-D14043 | 8 | 247 | 0.012 | 16.9 | 30,583.88 | 1.52 | 447 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,017,185.03 | 5.25 |
| E13019-E13017 | 12 | 252 | 0.002 | 49.8 | 516,735.15 | 1.52 | 423.5 | 423 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,212,130.08 | 2.34 |
| F13037-F13033 | 12 | 267 | 0.007 | 12.2 | 60,754.09 | 1.52 | 403.84 | 402 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,259,008.05 | 4.37 |
| G05051-G05049 | 8 | 5 | 0.2 | 3 | 1,889.00 | 1.5 | 481 | 480 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 4,127,649.43 | 21.29 |
| E02015-E02013 | 8 | 312 | 0.003 | 2.4 | 499.03 | 0.16 | 571.14 | 570.27 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 487,382.73 | 2.51 |
| L14053-L14051 | 10 | 240 | 0.004 | 94.4 | 917,577.47 | 0.9 | 313 | 312 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,080,211.73 | 3.34 |
| G09039-G09027 | 8 | 233 | 0.004 | 31.5 | 93,452.55 | 1.54 | 420 | 419 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 604,658.06 | 3.12 |
| E16007-E16005 | 15 | 298 | 0.005 | 15.2 | 174,505.76 | 1.53 | 479 | 477.5 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,500,488.84 | 4.51 |
| E02007-E02005 | 10 | 322 | 0.003 | 1.7 | 487.54 | 0.13 | 565.61 | 564.55 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 960,150.93 | 2.97 |
| C04049-C04047 | 8 | 300 | 0.015 | 11.1 | 20,724.44 | 1.54 | 827.12 | 822.48 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,147,852.73 | 5.92 |
| E15021-E15013 | 8 | 274 | 0.007 | 23.2 | 55,997.81 | 1.54 | 467 | 465 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 788,546.89 | 4.07 |
| G12025-G12023 | 8 | 142 | 0.005 | 25.5 | 88,369.69 | 1.53 | 382 | 381.36 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 619,631.69 | 3.20 |
| C06073-C06059 | 8 | 427 | 0.028 | 6.1 | 9,108.70 | 1.52 | 553 | 541 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,547,264.26 | 7.98 |
| D11039-D11037 | 8 | 96 | 0.034 | 4.3 | 6,041.24 | 1.54 | 496.16 | 492.88 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,706,039.62 | 8.80 |
| F12097-F12095 | 8 | 312 | 0.016 | 43.2 | 27,816.89 | 1.54 | 403 | 398 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,168,410.66 | 6.03 |
| L13151-L13149 | 12 | 119 | 0.002 | 100 | 2,462,556.62 | 1.52 | 324 | 323.8 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,115,593.60 | 2.16 |
| H10051-H10049 | 15 | 182 | 0.003 | 23.7 | 278,657.70 | 1.53 | 384 | 383.5 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,586,071.38 | 3.33 |
| G03035-G03033 | 8 | 157 | 0.013 | 13 | 19,251.70 | 1.22 | 509 | 507 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,041,724.74 | 5.37 |
| D06035-D06033 | 8 | 248 | 0.016 | 8.9 | 19,114.30 | 1.54 | 556 | 552 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,172,173.67 | 6.05 |
| D11075-D11073 | 8 | 217 | 0.028 | 6.6 | 11,453.47 | 1.52 | 441 | 435 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,534,735.59 | 7.92 |
| F04181-F04165 | 8 | 63 | 0.016 | 12.9 | 21,510.64 | 1.54 | 527 | 526 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,162,833.49 | 6.00 |
| D02087-D02085 | 8 | 77 | 0.013 | 12.4 | 30,132.09 | 1.52 | 606 | 605 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,051,822.47 | 5.42 |
| C06041-D06015 | 8 | 370 | 0.022 | 7 | 13,256.40 | 1.55 | 544 | 536 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,357,162.77 | 7.00 |
| D04083-D04081 | 8 | 202 | 0.02 | 11.6 | 16,289.47 | 1.55 | 590 | 586 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,298,799.52 | 6.70 |
| F12017-F12015 | 12 | 228 | 0.006 | 12.7 | 74,510.26 | 1.54 | 396.7 | 395.24 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,177,576.91 | 4.21 |
| D09091-D09069 | 8 | 217 | 0.014 | 17.6 | 17,491.53 | 1.55 | 445 | 442 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,085,221.95 | 5.60 |
| C06057-C07099 | 8 | 87 | 0.023 | 7 | 12,741.15 | 1.55 | 537 | 535 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,399,404.22 | 7.22 |
| F19039-F19032 | 8 | 0 | 0.017 | 9.5 | 21,730.82 | 1.55 | 561.05 | 558.12 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,197,697.09 | 6.18 |
| D11037-D11035 | 8 | 98 | 0.035 | 4.3 | 6,024.65 | 1.54 | 492.88 | 489.43 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,731,746.49 | 8.93 |
| F05067-F05065 | 8 | 335 | 0.009 | 14.9 | 41,926.63 | 1.55 | 522 | 519 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 873,425.83 | 4.50 |
| G11023-G11021 | 8 | 326 | 0.012 | 11.1 | 23,804.35 | 1.53 | 382 | 378 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,022,372.13 | 5.27 |
| H05015-H05013 | 12 | 296 | 0.009 | 15.2 | 127,973.07 | 1.54 | 456 | 453.26 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,618,146.38 | 5.06 |
| C07081-C07079 | 8 | 244 | 0.02 | 9.1 | 18,110.55 | 1.54 | 521 | 516 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,321,228.39 | 6.81 |
| G03025-G03019 | 8 | 256 | 0.004 | 30.4 | 113,094.54 | 1.49 | 502 | 501 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| H10055-H10053 | 15 | 380 | 0.003 | 22.3 | 275,972.88 | 1.54 | 387 | 386 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,531,042.29 | 3.26 |
| H10011-H10055 | 15 | 380 | 0.003 | 22.2 | 269,454.92 | 1.54 | 388 | 387 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,531,042.29 | 3.26 |
| H05011-H05009 | 12 | 277 | 0.01 | 18.3 | 128,514.05 | 1.52 | 451.14 | 448.48 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,666,646.40 | 5.16 |
| D13047-D13045 | 8 | 160 | 0.019 | 8.7 | 19,593.76 | 1.55 | 448 | 445 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,263,829.37 | 6.52 |
| C09001-D09023 | 8 | 312 | 0.006 | 16.8 | 44,662.08 | 1.55 | 454 | 452 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 738,967.79 | 3.81 |
| D07073-D07071 | 8 | 327 | 0.012 | 12.6 | 26,173.80 | 1.54 | 522 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,020,807.67 | 5.26 |
| L13141-L13139 | 8 | 136 | 0.015 | 11.6 | 21,198.81 | 1.55 | 320 | 318 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,119,266.10 | 5.77 |
| D02031-D02029 | 8 | 294 | 0.017 | 9.9 | 22,561.71 | 1.55 | 619 | 614 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,203,647.02 | 6.21 |
| D12043-D12041 | 8 | 319 | 0.016 | 10.7 | 24,979.29 | 1.55 | 434 | 429 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,155,520.00 | 5.96 |
| D09047-D09045 | 8 | 120 | 0.015 | 15.4 | 16,538.94 | 1.55 | 451.8 | 450 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,130,403.35 | 5.83 |
| D03101-D03099 | 8 | 364 | 0.008 | 26.9 | 72,007.40 | 1.55 | 595 | 592 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 837,910.71 | 4.32 |
| D05107-D05105 | 8 | 236 | 0.017 | 9.3 | 17,433.33 | 1.56 | 546 | 542 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,201,605.21 | 6.20 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| D14019-D14017 | 8 | 295 | 0.054 | 3.8 | 5,094.03 | 1.56 | 499 | 483 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,149,496.74 | 11.09 |
| C04065-C03019 | 8 | 283 | 0.035 | 6.5 | 9,018.02 | 1.55 | 666 | 656 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,734,980.47 | 8.95 |
| F10051-F10049 | 12 | 802 | 0.001 | 53.7 | 541,853.58 | 1.56 | 400 | 399 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 960,898.05 | 1.86 |
| J15003-J15001 | 12 | 240 | 0.002 | 33.3 | 296,764.80 | 1.55 | 327 | 326.5 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,242,063.73 | 2.40 |
| J14105-J14103 | 8 | 212 | 0.009 | 13.7 | 33,666.34 | 1.55 | 350 | 348 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 896,468.17 | 4.62 |
| F02167-F02165 | 8 | 99 | 0.005 | 20.9 | 62,867.44 | 1.51 | 544.63 | 544.08 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 681,096.21 | 3.51 |
| H05003-H05001 | 12 | 276 | 0.007 | 17.1 | 146,120.46 | 1.54 | 445 | 443 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,316,460.80 | 4.48 |
| D06045-D06043 | 8 | 319 | 0.019 | 8.7 | 16,650.51 | 1.56 | 556 | 550 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,265,808.74 | 6.53 |
| E14073-E14067 | 6 | 123 | 0.024 | 31.9 | 11,535.06 | 1.56 | 449 | 446 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 669,307.84 | 5.18 |
| D04009-D04007 | 8 | 251 | 0.02 | 8.2 | 17,809.81 | 1.56 | 615 | 610 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,302,674.61 | 6.72 |
| D18009-D18003 | 8 | 147 | 0.036 | 14 | 18,314.99 | 1.53 | 519.26 | 514 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,745,910.64 | 9.00 |
| F09041-F09039 | 8 | 337 | 0.012 | 12.2 | 25,168.36 | 1.56 | 439 | 435 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,005,548.11 | 5.19 |
| E14011-E14009 | 15 | 240 | 0.004 | 17.9 | 205,727.89 | 1.56 | 448 | 447 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,184,825.04 | 4.11 |
| F04149-F04147 | 15 | 121 | 0.002 | 15.5 | 126,944.62 | 1.07 | 521.5 | 521.2 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,456,739.69 | 3.17 |
| F08107-F08105 | 12 | 114 | 0.002 | 45.9 | 491,045.10 | 1.56 | 451.7 | 451.5 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,139,795.85 | 2.20 |
| D08037-D08035 | 8 | 241 | 0.004 | 32.3 | 100,490.06 | 1.57 | 474 | 473 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 594,537.55 | 3.07 |
| D10003-D10001 | 12 | 242 | 0.008 | 11.1 | 42,983.79 | 1.57 | 428 | 426 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,473,841.17 | 4.78 |
| E03077-E03073 | 10 | 265 | 0.008 | 17.2 | 75,000.45 | 1.56 | 553 | 551 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,453,806.38 | 4.50 |
| D07133-D07123 | 8 | 320 | 0.009 | 14.8 | 36,590.62 | 1.57 | 485 | 482 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 893,662.32 | 4.61 |
| K15005-K15003 | 15 | 121 | 0.002 | 29.4 | 347,241.12 | 1.56 | 325.75 | 325.5 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,242,686.24 | 2.89 |
| E12151-E12149 | 8 | 383 | 0.013 | 11.9 | 28,304.82 | 1.55 | 422 | 417 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,054,565.17 | 5.44 |
| D04087-D04085 | 8 | 250 | 0.024 | 7.1 | 12,990.60 | 1.56 | 600 | 594 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,429,859.71 | 7.37 |
| D04093-D04091 | 8 | 110 | 0.009 | 15.8 | 47,396.58 | 1.57 | 592 | 591 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 880,017.82 | 4.54 |
| K14035-K14033 | 15 | 239 | 0.002 | 30.9 | 387,778.58 | 1.57 | 324 | 323.5 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,256,717.78 | 2.91 |
| F05055-F05053 | 10 | 348 | 0.006 | 17.6 | 85,755.11 | 1.56 | 511 | 509 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,268,644.33 | 3.93 |
| H05001-H06013 | 12 | 271 | 0.007 | 18 | 148,730.10 | 1.56 | 443 | 441 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,337,732.69 | 4.52 |
| D03005-D03003 | 8 | 161 | 0.025 | 7.3 | 15,451.53 | 1.57 | 628 | 624 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,454,805.27 | 7.50 |
| G12089-G12087 | 12 | 299 | 0.003 | 22.7 | 177,553.60 | 1.57 | 376 | 375 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,573,725.22 | 3.04 |
| G15059-G15057 | 8 | 324 | 0.019 | 9.9 | 13,792.51 | 1.58 | 428 | 422 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,256,003.72 | 6.48 |
| H10019-H10017 | 8 | 267 | 0.004 | 31.4 | 117,971.70 | 1.58 | 394 | 393 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 564,848.76 | 2.91 |
| G04083-G04081 | 12 | 269 | 0.004 | 22.5 | 184,388.76 | 1.54 | 490 | 489 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,659,160.34 | 3.21 |
| D09089-D09073 | 10 | 336 | 0.012 | 13.8 | 25,259.36 | 1.56 | 452 | 448 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,825,891.07 | 5.65 |
| G03019-G03013 | 8 | 251 | 0.004 | 31.3 | 120,333.27 | 1.53 | 501 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 582,573.80 | 3.00 |
| F19053-F19049 | 8 | 233 | 0.033 | 5.6 | 10,167.52 | 1.59 | 580.82 | 573 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,673,026.06 | 8.63 |
| F14077-F14075 | 8 | 254 | 0.016 | 11.2 | 27,797.74 | 1.58 | 447 | 443 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,158,246.36 | 5.97 |
| D10133-D10003 | 8 | 283 | 0.007 | 15.8 | 42,101.75 | 1.58 | 430 | 428 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 775,906.85 | 4.00 |
| C02023-C02019 | 8 | 264 | 0.015 | 12.1 | 25,458.45 | 1.58 | 640 | 636 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,136,098.12 | 5.86 |
| K15019-K15017 | 10 | 178 | 0.003 | 31.9 | 185,326.35 | 1.58 | 312.39 | 311.92 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 859,910.87 | 2.66 |
| E02041-E02039 | 8 | 348 | 0.014 | 0 | 0 | 0 | 576.69 | 571.65 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,110,742.66 | 5.73 |
| K15037-K15035 | 12 | 382 | 0.005 | 17.8 | 86,261.16 | 1.58 | 317 | 315 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,969,009.51 | 3.81 |
| F20020-F19013 | 8 | 141 | 0.017 | 9.7 | 22,946.87 | 1.58 | 594.98 | 588 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,187,023.43 | 6.12 |
| E03087-E03085 | 8 | 258 | 0.008 | 18.8 | 63,142.66 | 1.57 | 561 | 559 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 812,630.19 | 4.19 |
| J11085-J11079 | 8 | 232 | 0.009 | 20.3 | 63,670.76 | 1.58 | 368 | 366 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 856,956.57 | 4.42 |
| L14065-L14063 | 8 | 168 | 0.005 | 23.5 | 67,588.78 | 1.59 | 311.87 | 311 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 664,190.70 | 3.43 |
| F19045-F19041 | 8 | 187 | 0.024 | 7.9 | 15,255.74 | 1.57 | 569.91 | 565.41 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,431,770.01 | 7.38 |
| G15035-G14085 | 8 | 308 | 0.013 | 14.6 | 38,153.22 | 1.57 | 421.31 | 417.18 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,068,777.92 | 5.51 |
| H10017-H10015 | 8 | 267 | 0.004 | 31.8 | 123,837.11 | 1.59 | 393 | 392 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 564,848.76 | 2.91 |
| E08049-E08047 | 15 | 327 | 0.003 | 19.1 | 217,154.86 | 1.59 | 462 | 461 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,728,458.31 | 3.52 |
| D13049-D13033 | 10 | 81 | 0.012 | 31.7 | 46,860.58 | 1.57 | 422 | 421 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,859,396.46 | 5.75 |
| D10087-D10083 | 8 | 312 | 0.014 | 9.3 | 19,398.94 | 1.57 | 483.35 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,089,820.92 | 5.62 |
| H09025-H09023 | 12 | 122 | 0.008 | 12.9 | 84,307.75 | 1.6 | 408 | 407 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,463,681.62 | 4.76 |
| G11025-G11023 | 8 | 73 | 0.014 | 10.3 | 22,892.35 | 1.57 | 383 | 382 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,080,255.23 | 5.57 |
| F10027-F10025 | 24 | 29 | 0.002 | 26.2 | 1,044,392.47 | 1.58 | 415.5 | 415.45 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 7,174,591.13 | 3.58 |
| E15041-E15039 | 8 | 236 | 0.006 | 24.6 | 97,772.78 | 1.59 | 457 | 455.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 735,829.91 | 3.79 |
| E16027-E16025 | 8 | 268 | 0.011 | 15.1 | 48,004.57 | 1.6 | 491 | 488 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 976,519.76 | 5.04 |
| D16049-D16011 | 8 | 110 | 0.109 | 14.7 | 2,375.53 | 1.51 | 501 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,048,471.14 | 15.72 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| F17013-F17027 | 12 | 343 | 0.007 | 17.1 | 139,655.28 | 1.59 | 514.23 | 512 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,194,167.96 | 4.24 |
| F07015-F07001 | 8 | 81 | 0.012 | 14.6 | 40,382.16 | 1.6 | 452 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,025,522.75 | 5.29 |
| F06127-F06125 | 8 | 41 | 0.012 | 14.4 | 31,058.20 | 1.61 | 487 | 486.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,019,250.38 | 5.26 |
| H12067-H12065 | 8 | 240 | 0.013 | 12.8 | 25,471.79 | 1.61 | 375 | 372 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,031,912.36 | 5.32 |
| E03051-E03049 | 8 | 262 | 0.011 | 16.4 | 38,017.86 | 1.6 | 569 | 566 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 987,637.99 | 5.09 |
| J14053-J14051 | 8 | 105 | 0.01 | 23.9 | 38,404.87 | 1.6 | 332 | 331 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 900,726.95 | 4.65 |
| F15139-F15137 | 8 | 181 | 0.21 | 2.7 | 1,360.44 | 1.6 | 497 | 459 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 4,229,025.64 | 21.81 |
| D01001-D02053 | 10 | 315 | 0.003 | 13.4 | 16,053.33 | 0.71 | 604 | 603 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 942,886.10 | 2.92 |
| G03013-G04093 | 8 | 248 | 0.004 | 33.5 | 128,257.00 | 1.56 | 500 | 499 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 586,086.84 | 3.02 |
| G11045-G11009 | 8 | 303 | 0.023 | 99.7 | 11,974.84 | 1.61 | 381 | 374 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,402,863.81 | 7.24 |
| G05107-G05105 | 8 | 254 | 0.012 | 13.8 | 36,137.82 | 1.61 | 498 | 495 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,003,070.77 | 5.17 |
| G15055-G15053 | 8 | 174 | 0.098 | 100 | 1,848.68 | 1.63 | 432 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,884,945.70 | 14.88 |
| J14103-J14101 | 8 | 217 | 0.009 | 14.2 | 38,884.40 | 1.61 | 348 | 346 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 886,080.01 | 4.57 |
| E13069-E13067 | 10 | 583 | 0.005 | 25.1 | 132,441.27 | 1.6 | 422 | 419 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,200,441.11 | 3.71 |
| J14037-J14021 | 8 | 65 | 0.015 | 19.1 | 21,776.70 | 1.61 | 340 | 339 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,144,803.98 | 5.90 |
| F13029-F12017 | 12 | 303 | 0.008 | 12.2 | 68,372.26 | 1.6 | 399 | 396.7 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,370,866.51 | 4.59 |
| H08001-H09031 | 12 | 393 | 0.01 | 11.2 | 67,184.27 | 1.59 | 422 | 418 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,745,353.15 | 5.31 |
| E03089-E03087 | 8 | 123 | 0.008 | 18.7 | 62,686.36 | 1.6 | 562 | 561 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 832,214.45 | 4.29 |
| E12041-E12039 | 10 | 252 | 0.002 | 69.5 | 618,557.08 | 1.61 | 419.5 | 419 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 745,416.91 | 2.31 |
| D09037-D09035 | 8 | 178 | 0.003 | 36.4 | 138,528.35 | 1.62 | 446.5 | 446 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 489,173.37 | 2.52 |
| D10111-D10021 | 12 | 323 | 0.002 | 52.7 | 305,157.78 | 1.62 | 435 | 434.43 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,143,143.27 | 2.21 |
| D03003-D03001 | 8 | 269 | 0.026 | 10.3 | 16,054.08 | 1.58 | 624 | 617 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,488,883.40 | 7.68 |
| G15077-G15075 | 8 | 395 | 0.068 | 3.1 | 2,773.03 | 1.63 | 474 | 447 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,413,076.78 | 12.45 |
| F14067-F14065 | 10 | 167 | 0.012 | 11 | 46,526.43 | 1.59 | 435 | 433 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,831,349.65 | 5.67 |
| G13077-G12095 | 10 | 309 | 0.003 | 28.5 | 169,267.77 | 1.62 | 380 | 379 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 951,996.32 | 2.95 |
| J14013-J15009 | 12 | 250 | 0.004 | 19.4 | 141,930.56 | 1.61 | 331 | 330 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,721,053.99 | 3.33 |
| E14075-E14073 | 6 | 226 | 0.027 | 9 | 11,553.96 | 1.62 | 455 | 449 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 698,295.51 | 5.40 |
| D05093-D06117 | 8 | 281 | 0.014 | 10.3 | 23,466.53 | 1.6 | 549 | 545 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,101,196.04 | 5.68 |
| F04161-F04145 | 8 | 232 | 0.009 | 22.1 | 53,806.20 | 1.62 | 522 | 520 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 856,956.57 | 4.42 |
| F19030-F19015 | 8 | 157 | 0.018 | 12.1 | 24,741.08 | 1.62 | 555.34 | 552.57 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,225,964.42 | 6.32 |
| F19055-F19053 | 8 | 273 | 0.06 | 4.6 | 5,337.73 | 1.63 | 597.5 | 580.82 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,264,883.91 | 11.68 |
| F18005-F18003 | 8 | 171 | 0.006 | 27.4 | 115,741.36 | 1.62 | 530 | 529 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 705,813.16 | 3.64 |
| G05095-G05093 | 12 | 322 | 0.003 | 28.2 | 263,728.35 | 1.59 | 482 | 481 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,516,479.56 | 2.93 |
| G06005-G06003 | 24 | 263 | 0.001 | 44.9 | 2,119,056.86 | 1.52 | 464.11 | 463.88 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 5,109,721.11 | 2.55 |
| D17021-D17019 | 12 | 187 | 0.011 | 12 | 85,790.19 | 1.6 | 510 | 508 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,814,224.20 | 5.44 |
| D10001-E10059 | 12 | 355 | 0.006 | 15.3 | 74,454.79 | 1.63 | 426 | 424 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,042,515.30 | 3.95 |
| J11035-J11031 | 15 | 245 | 0.002 | 30.9 | 461,391.07 | 1.62 | 377 | 376.5 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,228,913.22 | 2.87 |
| F05051-F05043 | 10 | 145 | 0.007 | 38.4 | 85,245.15 | 1.62 | 506 | 505 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,389,730.24 | 4.30 |
| D05019-D05017 | 8 | 259 | 0.027 | 8.3 | 11,996.14 | 1.63 | 583 | 576 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,517,354.11 | 7.83 |
| K13061-K13059 | 12 | 339 | 0.003 | 23.7 | 182,071.46 | 1.63 | 337 | 336 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,477,966.70 | 2.86 |
| E04105-E04097 | 10 | 265 | 0.008 | 16.6 | 86,625.93 | 1.62 | 550 | 548 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,453,806.38 | 4.50 |
| E07013-E07011 | 12 | 248 | 0.008 | 10.9 | 61,002.53 | 1.62 | 481 | 479 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,443,732.45 | 4.73 |
| D14013-D13047 | 8 | 302 | 0.04 | 6.9 | 9,143.80 | 1.62 | 460 | 448 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,839,818.40 | 9.49 |
| J07131-J07129 | 8 | 42 | 0.056 | 10 | 6,021.32 | 1.63 | 418.74 | 416.37 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,192,488.56 | 11.31 |
| J14051-J14049 | 8 | 264 | 0.004 | 33.8 | 140,088.23 | 1.62 | 331 | 330 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 568,049.06 | 2.93 |
| D07117-D07113 | 8 | 322 | 0.006 | 21.7 | 71,646.59 | 1.63 | 477 | 475 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 727,402.63 | 3.75 |
| E16025-E16023 | 8 | 255 | 0.012 | 15 | 48,976.42 | 1.63 | 488 | 485 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,001,102.04 | 5.16 |
| D08049-D08047 | 12 | 240 | 0.017 | 8.4 | 44,051.66 | 1.63 | 474 | 470 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,513,086.74 | 6.79 |
| D06127-D06125 | 8 | 210 | 0.019 | 12.2 | 17,931.48 | 1.63 | 532 | 528 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,273,820.27 | 6.57 |
| E07011-E07009 | 12 | 234 | 0.009 | 10.7 | 60,461.64 | 1.64 | 479 | 477 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,515,773.67 | 4.87 |
| F19032-F19030 | 8 | 157 | 0.018 | 9.8 | 24,080.38 | 1.63 | 558.12 | 555.34 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,244,126.35 | 6.42 |
| D10047-D10045 | 8 | 287 | 0.017 | 9.4 | 16,510.98 | 1.63 | 466 | 461 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,218,237.21 | 6.28 |
| D14003-D14001 | 8 | 41 | 0.024 | 9.5 | 15,616.11 | 1.64 | 458 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,441,437.71 | 7.43 |
| D09029-D09027 | 8 | 195 | 0.01 | 13 | 29,021.22 | 1.64 | 448 | 446 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 934,728.53 | 4.82 |
| G12023-G12021 | 8 | 179 | 0.005 | 44.6 | 89,645.50 | 1.63 | 381.36 | 380.4 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 675,922.51 | 3.49 |
| D07145-D07143 | 12 | 308 | 0.006 | 12.5 | 73,176.71 | 1.64 | 503 | 501 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,192,825.83 | 4.24 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| D01003-D01001 | 10 | 310 | 0.003 | 9.1 | 16,072.23 | 0.74 | 605 | 604 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 950,459.60 | 2.94 |
| F06109-F07099 | 10 | 387 | 0.007 | 20.7 | 82,142.11 | 1.63 | 479.9 | 477 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,448,631.84 | 4.48 |
| D08043-D08041 | 12 | 251 | 0.016 | 9 | 47,679.26 | 1.63 | 463 | 459 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,435,244.34 | 6.64 |
| F18051-F18049 | 8 | 209 | 0.098 | 2.7 | 3,055.94 | 1.65 | 594.18 | 573.4 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,889,632.73 | 14.90 |
| F15107-F15105 | 8 | 270 | 0.022 | 10.2 | 19,585.62 | 1.64 | 475 | 469 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,375,883.14 | 7.10 |
| F10015-F10013 | 24 | 254 | 0.002 | 28.5 | 1,046,938.57 | 1.62 | 414.5 | 414 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 7,666,185.03 | 3.83 |
| D11035-D11033 | 8 | 87 | 0.043 | 4.1 | 6,008.01 | 1.68 | 489.43 | 485.72 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,905,965.94 | 9.83 |
| D08059-D08057 | 8 | 222 | 0.018 | 11.9 | 32,462.54 | 1.63 | 490 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,238,914.44 | 6.39 |
| C06023-C06021 | 8 | 262 | 0.046 | 6 | 6,150.13 | 1.61 | 566 | 554 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,975,275.99 | 10.19 |
| C06051-D06071 | 8 | 248 | 0.016 | 10 | 22,906.42 | 1.64 | 583 | 579 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,172,173.67 | 6.05 |
| L14047-L14045 | 10 | 94 | 0.005 | 65.3 | 858,474.89 | 0.98 | 311 | 310.5 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,220,493.82 | 3.78 |
| G03033-G03031 | 8 | 250 | 0.008 | 18.8 | 49,021.76 | 1.51 | 507 | 505 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 825,529.89 | 4.26 |
| D17019-D17017 | 15 | 319 | 0.013 | 8.7 | 85,742.46 | 1.64 | 508 | 504 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,524,918.21 | 7.12 |
| H13051-H12035 | 12 | 263 | 0.015 | 7.8 | 25,032.64 | 1.64 | 366 | 362 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,355,958.79 | 6.49 |
| D14087-D14085 | 8 | 68 | 0.015 | 12.2 | 28,486.53 | 1.63 | 452 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,119,266.10 | 5.77 |
| J14113-J14111 | 8 | 91 | 0.022 | 10.1 | 14,795.63 | 1.65 | 355 | 353 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,368,302.46 | 7.06 |
| D11031-D11029 | 8 | 83 | 0.045 | 5.5 | 5,968.46 | 1.64 | 478.45 | 474.72 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,956,605.08 | 10.09 |
| D11033-D11031 | 8 | 166 | 0.044 | 4.1 | 5,994.28 | 1.69 | 485.72 | 478.45 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,931,527.82 | 9.96 |
| D16003-D16001 | 15 | 274 | 0.007 | 14.5 | 147,325.87 | 1.64 | 482 | 480 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,215,323.56 | 5.44 |
| D04103-D04101 | 8 | 239 | 0.017 | 11.3 | 28,585.70 | 1.65 | 606 | 602 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,194,039.94 | 6.16 |
| F15059-F14093 | 8 | 213 | 0.019 | 10.6 | 25,621.44 | 1.65 | 453 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,264,817.89 | 6.52 |
| H12005-H12003 | 21 | 323 | 0.003 | 26.5 | 743,431.50 | 1.65 | 362 | 361.15 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 6,208,320.98 | 4.00 |
| D14071-D14069 | 8 | 309 | 0.071 | 3.9 | 4,302.78 | 1.67 | 488 | 466 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,462,747.62 | 12.70 |
| E13067-E13065 | 10 | 241 | 0.004 | 27.8 | 181,722.38 | 1.65 | 419 | 418 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,077,968.29 | 3.34 |
| D07137-D07135 | 8 | 338 | 0.015 | 10.6 | 24,367.40 | 1.64 | 495 | 490 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,122,572.66 | 5.79 |
| F08083-G08081 | 12 | 358 | 0.002 | 47.6 | 557,531.75 | 1.65 | 446 | 445.29 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,211,859.19 | 2.34 |
| F02098-F02097 | 8 | 262 | 0.004 | 24.5 | 75,038.20 | 1.29 | 533 | 532 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 570,213.06 | 2.94 |
| E07009-E07007 | 12 | 109 | 0.009 | 10.5 | 59,985.02 | 1.66 | 477 | 476 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,606,461.11 | 5.04 |
| D09093-D09065 | 8 | 152 | 0.007 | 27.2 | 52,801.33 | 1.67 | 438 | 437 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 748,627.91 | 3.86 |
| E04085-E04083 | 8 | 140 | 0.007 | 21.2 | 77,201.60 | 1.65 | 559 | 558 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 780,052.42 | 4.02 |
| F18049-F18043 | 8 | 209 | 0.088 | 3.3 | 4,071.73 | 1.71 | 573.4 | 555 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,738,568.29 | 14.12 |
| F06145-F06141 | 10 | 266 | 0.011 | 11.3 | 48,316.06 | 1.66 | 488 | 485 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,777,191.87 | 5.50 |
| F04163-F04161 | 8 | 217 | 0.009 | 16.8 | 52,947.93 | 1.66 | 524 | 522 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 886,080.01 | 4.57 |
| F14083-F14081 | 8 | 279 | 0.014 | 23.5 | 38,297.69 | 1.64 | 434 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,105,135.94 | 5.70 |
| F05081-F05079 | 8 | 260 | 0.027 | 10.9 | 13,989.18 | 1.64 | 516 | 509 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,514,433.31 | 7.81 |
| D14043-D14041 | 10 | 146 | 0.007 | 18.7 | 92,489.43 | 1.66 | 444 | 443 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,384,962.71 | 4.29 |
| K15001-K14051 | 15 | 195 | 0.003 | 25.9 | 363,591.46 | 1.66 | 325 | 324.5 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,498,382.31 | 3.22 |
| K14051-K14035 | 15 | 195 | 0.003 | 27 | 368,473.88 | 1.66 | 324.5 | 324 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,498,382.31 | 3.22 |
| F04165-F04163 | 8 | 215 | 0.009 | 16.5 | 52,086.11 | 1.67 | 526 | 524 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 890,191.77 | 4.59 |
| G14047-G14045 | 8 | 297 | 0.013 | 14.7 | 21,807.30 | 1.68 | 405 | 401 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,071,123.58 | 5.52 |
| H10047-H10045 | 15 | 341 | 0.003 | 24.3 | 321,475.36 | 1.66 | 383 | 382 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,671,861.92 | 3.44 |
| G08065-G08061 | 12 | 243 | 0.002 | 48.7 | 590,213.23 | 1.66 | 441.5 | 441 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,234,372.86 | 2.39 |
| F08031-F08029 | 8 | 78 | 0.01 | 15.1 | 34,853.39 | 1.67 | 439 | 438.2 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 934,728.53 | 4.82 |
| H08003-H08001 | 12 | 402 | 0.012 | 10.5 | 63,770.67 | 1.64 | 426.73 | 422 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,951,766.79 | 5.71 |
| F13045-F13043 | 12 | 258 | 0.012 | 9.5 | 47,857.92 | 1.65 | 409 | 406 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,934,372.69 | 5.68 |
| F18053-F18051 | 8 | 179 | 0.12 | 2.3 | 2,378.72 | 1.58 | 615.77 | 594.18 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,196,523.31 | 16.49 |
| E07021-E07019 | 12 | 381 | 0.008 | 11.1 | 63,109.63 | 1.66 | 490 | 487 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,414,696.97 | 4.67 |
| F14057-F14055 | 15 | 304 | 0.006 | 16.1 | 212,913.06 | 1.65 | 429 | 427.2 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,796,563.43 | 4.90 |
| E05103-E05101 | 8 | 261 | 0.004 | 36.1 | 159,097.30 | 1.67 | 536 | 535 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 571,304.38 | 2.95 |
| E03249-E03247 | 10 | 284 | 0.003 | 1.8 | 480.71 | 0.08 | 562.12 | 561.18 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 962,762.72 | 2.98 |
| F10017-F10015 | 24 | 48 | 0.002 | 24.8 | 1,045,335.61 | 1.66 | 414.6 | 414.5 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 7,886,613.07 | 3.94 |
| D02053-D02051 | 10 | 323 | 0.003 | 17.7 | 63,744.31 | 1.1 | 603 | 602 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 931,136.28 | 2.88 |
| D17049-D17047 | 8 | 240 | 0.041 | 5 | 9,010.95 | 1.67 | 550.67 | 540.87 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,865,070.38 | 9.62 |
| D04085-D04083 | 8 | 159 | 0.025 | 7.6 | 15,778.76 | 1.68 | 594 | 590 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,463,926.39 | 7.55 |
| C06015-C06003 | 8 | 294 | 0.007 | 21.6 | 66,960.50 | 1.68 | 539 | 537 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 761,253.22 | 3.93 |
| E05001-E06017 | 8 | 333 | 0.006 | 22.5 | 79,141.96 | 1.68 | 524 | 522 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 715,287.59 | 3.69 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| F02097-F03145 | 8 | 262 | 0.004 | 24.1 | 74,709.17 | 1.3 | 532 | 531 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 589,664.20 | 3.04 |
| D05017-D05007 | 8 | 331 | 0.015 | 11.1 | 25,157.66 | 1.67 | 576 | 571 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,134,380.66 | 5.85 |
| J12007-J12005 | 33 | 383 | 0.002 | 17.5 | 1,244,939.59 | 1.53 | 357.81 | 357 | Vitrified Clay Pipe-Circular-33 inch | 5.9 | 18,576,396.44 | 4.87 |
| D10045-D10043 | 8 | 231 | 0.013 | 11.2 | 25,426.69 | 1.69 | 461 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,051,822.47 | 5.42 |
| E16039-E16021 | 8 | 39 | 0.026 | 12.1 | 16,644.83 | 1.69 | 481 | 480 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,477,935.58 | 7.62 |
| E16001-E15017 | 15 | 326 | 0.006 | 15.1 | 191,132.70 | 1.67 | 474 | 472 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,864,536.35 | 4.98 |
| D06043-D06029 | 8 | 331 | 0.018 | 14.4 | 22,593.84 | 1.68 | 550 | 544 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,242,651.75 | 6.41 |
| E15003-E15001 | 15 | 236 | 0.004 | 20 | 282,459.33 | 1.68 | 456 | 455 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,211,701.67 | 4.14 |
| E07017-E07015 | 12 | 232 | 0.009 | 10.8 | 61,597.31 | 1.68 | 484 | 482 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,526,594.25 | 4.89 |
| J14029-J14027 | 8 | 220 | 0.005 | 28 | 106,378.67 | 1.69 | 346 | 345 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 622,266.57 | 3.21 |
| H10045-J10011 | 15 | 377 | 0.003 | 44.2 | 355,356.60 | 1.68 | 382 | 381 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,541,092.79 | 3.28 |
| F19009-F19007 | 12 | 300 | 0.015 | 8.1 | 41,132.00 | 1.69 | 563.29 | 558.85 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,305,009.68 | 6.39 |
| K12025-K12023 | 15 | 355 | 0.001 | 44 | 681,177.39 | 1.69 | 338 | 337.5 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 1,851,663.33 | 2.39 |
| D17031-D17027 | 8 | 186 | 0.038 | 6 | 11,320.99 | 1.71 | 527 | 520 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,790,524.86 | 9.23 |
| L13149-L13147 | 12 | 363 | 0.002 | 100 | 2,445,419.52 | 1.67 | 323.8 | 323 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,277,486.09 | 2.47 |
| F20030-F20028 | 8 | 248.7 | 0.043 | 4.9 | 8,730.91 | 1.69 | 689.37 | 675.45 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,913,087.88 | 9.87 |
| G13089-G13087 | 10 | 174 | 0.004 | 25.2 | 147,895.61 | 1.69 | 385 | 384.3 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,061,424.00 | 3.28 |
| C06053-C06051 | 8 | 264 | 0.019 | 9.3 | 20,663.30 | 1.7 | 588 | 583 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,270,196.31 | 6.55 |
| G14043-G13099 | 8 | 291 | 0.007 | 21.6 | 78,302.74 | 1.69 | 398 | 396 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 765,167.14 | 3.95 |
| E02037-E02001 | 8 | 241 | 0.019 | 1 | 0 | 0 | 567.49 | 562.83 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,283,430.17 | 6.62 |
| C06093-C06073 | 8 | 291 | 0.048 | 4.8 | 6,679.30 | 1.68 | 567 | 553 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,024,441.96 | 10.44 |
| C05029-C05027 | 8 | 338 | 0.059 | 3.3 | 4,350.00 | 1.7 | 691 | 671 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,245,145.31 | 11.58 |
| F17025-F17023 | 12 | 245 | 0.008 | 15.7 | 115,556.74 | 1.68 | 527 | 525 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,458,648.55 | 4.76 |
| K11029-K11027 | 15 | 329 | 0.002 | 35.8 | 525,769.02 | 1.7 | 348 | 347.5 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 1,923,438.27 | 2.48 |
| G15075-G15073 | 8 | 325 | 0.052 | 4.2 | 5,007.45 | 1.72 | 447 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,110,914.23 | 10.89 |
| D17047-D17045 | 8 | 157 | 0.044 | 5.1 | 8,996.02 | 1.72 | 540.87 | 534 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,930,706.90 | 9.96 |
| G07049-G07047 | 24 | 379 | 0.001 | 42.5 | 2,112,310.78 | 1.59 | 463.08 | 462.68 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 5,613,342.53 | 2.80 |
| D06135-E06023 | 8 | 278 | 0.011 | 15.4 | 39,831.32 | 1.7 | 516 | 513 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 958,795.61 | 4.94 |
| F14073-F14071 | 10 | 242 | 0.017 | 9.8 | 38,524.93 | 1.7 | 440 | 436 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,151,477.56 | 6.66 |
| K11027-K11025 | 15 | 324 | 0.002 | 35.8 | 532,883.73 | 1.7 | 347.5 | 347 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 1,938,222.79 | 2.50 |
| D15075-D15073 | 8 | 192 | 0.063 | 3.7 | 5,776.55 | 1.71 | 562 | 550 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,307,426.18 | 11.90 |
| K13055-K13053 | 12 | 341 | 0.003 | 26.2 | 221,373.87 | 1.7 | 332 | 331 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,473,626.11 | 2.85 |
| E03119-E03103 | 8 | 215 | 0.019 | 12.2 | 26,525.47 | 1.7 | 572 | 568 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,258,921.27 | 6.49 |
| D05111-D05103 | 8 | 243 | 0.016 | 11.1 | 24,057.33 | 1.71 | 544 | 540 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,184,171.67 | 6.11 |
| E15071-E15059 | 8 | 259 | 0.012 | 16.3 | 53,697.00 | 1.71 | 463 | 460 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 993,341.44 | 5.12 |
| F10097-F10067 | 8 | 286 | 0.01 | 40.9 | 32,999.95 | 1.71 | 404 | 401 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 945,290.77 | 4.88 |
| D11003-D11001 | 8 | 293 | 0.003 | 33.4 | 129,983.66 | 1.71 | 443 | 442 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 539,205.11 | 2.78 |
| K15017-K14103 | 10 | 254 | 0.003 | 34.8 | 206,608.88 | 1.71 | 311.92 | 311.16 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 915,386.38 | 2.83 |
| D14055-D14053 | 8 | 160 | 0.075 | 3.8 | 4,748.90 | 1.72 | 491 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,527,658.74 | 13.04 |
| C11015-C11013 | 8 | 193 | 0.047 | 4.9 | 6,041.24 | 1.75 | 522 | 513 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,993,106.05 | 10.28 |
| G08007-G09053 | 8 | 281 | 0.007 | 20.1 | 69,092.56 | 1.71 | 432 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 778,663.19 | 4.02 |
| D10085-D10083 | 8 | 103 | 0.039 | 7.1 | 7,551.55 | 1.73 | 483 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,818,859.66 | 9.38 |
| J10011-J10009 | 15 | 370 | 0.003 | 100 | 368,623.09 | 1.7 | 381 | 380 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,565,017.53 | 3.31 |
| F19057-F19055 | 8 | 300 | 0.075 | 3.4 | 4,666.76 | 1.73 | 620.29 | 597.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,535,458.45 | 13.08 |
| C06011-C06009 | 8 | 304 | 0.033 | 6.6 | 10,989.95 | 1.73 | 571 | 561 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,673,982.89 | 8.63 |
| D13045-D13043 | 8 | 171 | 0.023 | 18.1 | 21,276.81 | 1.72 | 445 | 441 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,411,626.32 | 7.28 |
| K11031-K11029 | 15 | 328 | 0.002 | 35.9 | 531,200.45 | 1.72 | 348.5 | 348 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 1,926,368.11 | 2.48 |
| E15053-E15051 | 8 | 319 | 0.009 | 20 | 76,939.75 | 1.7 | 468 | 465 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 895,061.95 | 4.62 |
| F12069-F12067 | 24 | 271 | 0.001 | 37.7 | 1,903,760.80 | 1.7 | 395.36 | 395 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 6,297,638.94 | 3.14 |
| J15001-K15007 | 12 | 177 | 0.003 | 33.9 | 295,960.01 | 1.71 | 326.5 | 326 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,446,314.92 | 2.80 |
| G14025-G14023 | 12 | 301 | 0.017 | 8.5 | 34,343.49 | 1.7 | 421 | 416 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,507,246.19 | 6.78 |
| C11009-C11007 | 8 | 121 | 0.008 | 15.7 | 44,539.24 | 1.72 | 557 | 556 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 839,064.07 | 4.33 |
| E03085-E03083 | 8 | 406 | 0.01 | 18.3 | 64,599.93 | 1.71 | 559 | 555 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 916,125.11 | 4.72 |
| F04196-F04195 | 8 | 202 | 0.105 | 3.7 | 2,727.92 | 1.73 | 550.07 | 528.84 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,984,796.90 | 15.39 |
| G08011-G08007 | 8 | 251 | 0.008 | 19.2 | 60,005.14 | 1.71 | 434 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 823,883.76 | 4.25 |
| D07135-D07133 | 8 | 340 | 0.015 | 12.5 | 28,949.36 | 1.73 | 490 | 485 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,119,266.10 | 5.77 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| H06069-J06097 | 8 | 298 | 0.015 | 11.4 | 26,801.86 | 1.73 | 437.17 | 432.81 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,116,407.95 | 5.76 |
| D14015-D14013 | 8 | 175 | 0.057 | 4.6 | 7,450.62 | 1.74 | 470 | 460 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,206,321.43 | 11.38 |
| F19007-F19005 | 12 | 300 | 0.014 | 8.9 | 46,170.13 | 1.73 | 558.85 | 554.5 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,271,341.47 | 6.33 |
| D06141-D07145 | 8 | 45 | 0.007 | 20.7 | 70,748.77 | 1.73 | 503.3 | 503 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 753,602.23 | 3.89 |
| D04099-D04097 | 8 | 80 | 0.013 | 15 | 44,107.65 | 1.73 | 595 | 594 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,031,912.36 | 5.32 |
| E15029-E14011 | 10 | 205 | 0.005 | 27.9 | 198,353.18 | 1.72 | 449 | 448 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,168,792.94 | 3.62 |
| F12007-F12005 | 12 | 299 | 0.01 | 12.5 | 74,539.82 | 1.72 | 390 | 387 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,725,772.03 | 5.27 |
| H10023-H10021 | 8 | 249 | 0.005 | 31 | 117,464.51 | 1.73 | 396 | 394.86 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 624,511.67 | 3.22 |
| D06077-D06075 | 8 | 232 | 0.03 | 8 | 13,323.12 | 1.73 | 543 | 536 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,603,218.94 | 8.27 |
| D06071-D06069 | 8 | 247 | 0.016 | 10.6 | 26,374.26 | 1.71 | 579 | 575 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,174,544.10 | 6.06 |
| E06083-E06053 | 10 | 325 | 0.009 | 16 | 61,051.75 | 1.73 | 508 | 505 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,607,805.30 | 4.98 |
| C05005-C05003 | 8 | 235 | 0.048 | 4.4 | 7,380.16 | 1.77 | 619.28 | 607.92 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,029,284.98 | 10.47 |
| K15023-K15021 | 8 | 334 | 0.009 | 25.1 | 49,906.29 | 1.73 | 317 | 314 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 874,732.38 | 4.51 |
| K13067-K13065 | 12 | 280 | 0.004 | 22 | 173,089.96 | 1.74 | 340 | 339 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,626,243.16 | 3.15 |
| G12071-G12069 | 15 | 178 | 0.011 | 10.2 | 81,767.72 | 1.72 | 385 | 383 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,229,933.85 | 6.74 |
| D10107-D10105 | 8 | 339 | 0.012 | 13.4 | 31,480.65 | 1.74 | 442 | 438 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,002,577.50 | 5.17 |
| E07089-E07087 | 8 | 96 | 0.01 | 17 | 44,367.00 | 1.74 | 472 | 471 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 942,002.79 | 4.86 |
| G03049-G03047 | 8 | 95 | 0.021 | 10.4 | 18,480.57 | 1.75 | 515 | 513 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,339,186.31 | 6.91 |
| D13077-D13075 | 8 | 147 | 0.02 | 12.6 | 26,437.03 | 1.74 | 435 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,318,529.25 | 6.80 |
| G09025-G09023 | 8 | 251 | 0.004 | 40.4 | 189,859.83 | 1.74 | 418.9 | 418 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 552,678.03 | 2.85 |
| G12047-G12025 | 8 | 151 | 0.007 | 24.1 | 85,148.91 | 1.74 | 383 | 382 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 751,102.72 | 3.87 |
| D13037-D13035 | 10 | 335 | 0.006 | 22.1 | 138,445.30 | 1.74 | 436 | 434 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,293,025.54 | 4.00 |
| K12049-K12027 | 8 | 342 | 0.016 | 43.5 | 28,035.83 | 1.73 | 344 | 338.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,170,458.71 | 6.04 |
| D06065-D06063 | 8 | 250 | 0.012 | 13.9 | 40,375.89 | 1.76 | 567 | 564 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,011,063.49 | 5.21 |
| J08001-J09017 | 15 | 354 | 0.006 | 18.4 | 274,608.81 | 1.74 | 396 | 394 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,708,553.65 | 4.78 |
| D09049-D09047 | 8 | 174 | 0.021 | 8.1 | 16,611.55 | 1.75 | 455.4 | 451.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,327,591.41 | 6.85 |
| J12003-J12001 | 33 | 417 | 0.002 | 17.1 | 1,261,628.35 | 1.6 | 356 | 355 | Vitrified Clay Pipe-Circular-33 inch | 5.9 | 19,781,094.64 | 5.19 |
| D07121-D07119 | 8 | 116 | 0.009 | 20.4 | 60,530.61 | 1.75 | 479 | 478 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 856,956.57 | 4.42 |
| D14115-D14113 | 8 | 238 | 0.019 | 10.9 | 31,907.47 | 1.75 | 462 | 457.48 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,271,945.63 | 6.56 |
| H12007-H12005 | 18 | 868 | 0.003 | 21.7 | 376,073.18 | 1.74 | 365 | 362 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 4,716,740.18 | 4.05 |
| D04111-D04075 | 15 | 355 | 0.003 | 23 | 304,062.07 | 1.48 | 576 | 575 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,618,647.39 | 3.38 |
| F05053-F05051 | 10 | 364 | 0.008 | 16.5 | 85,649.27 | 1.75 | 509 | 506 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,519,233.21 | 4.70 |
| H11061-H11049 | 8 | 300 | 0.027 | 90.4 | 13,713.00 | 1.76 | 380 | 371.83 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,523,134.33 | 7.86 |
| F06141-F06109 | 10 | 387 | 0.013 | 13.6 | 49,613.34 | 1.77 | 485 | 479.9 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,921,074.09 | 5.94 |
| L14023-L14021 | 8 | 63 | 0.037 | 47.1 | 10,928.03 | 1.74 | 311 | 308.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,763,524.31 | 9.10 |
| E04083-E04077 | 8 | 118 | 0.008 | 22.6 | 79,248.69 | 1.76 | 558 | 557 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 849,663.19 | 4.38 |
| K14101-L14043 | 10 | 141 | 0.004 | 45 | 202,678.83 | 1.76 | 310.5 | 310 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 996,529.03 | 3.08 |
| F19041-F19039 | 8 | 178 | 0.024 | 8.9 | 21,070.68 | 1.76 | 565.41 | 561.05 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,444,511.66 | 7.45 |
| D03103-D03101 | 8 | 351 | 0.011 | 19.1 | 72,020.76 | 1.75 | 599 | 595 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 985,290.38 | 5.08 |
| G13083-G13079 | 10 | 244 | 0.004 | 26.4 | 163,381.62 | 1.76 | 383 | 382 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,071,320.94 | 3.32 |
| J11031-J11029 | 15 | 194 | 0.003 | 29.4 | 472,465.19 | 1.76 | 376.5 | 376 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,504,813.16 | 3.23 |
| F08011-F09091 | 8 | 288 | 0.009 | 17.8 | 53,413.00 | 1.76 | 433.7 | 431 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 893,662.32 | 4.61 |
| D12031-D12027 | 10 | 183 | 0.005 | 21.5 | 125,746.42 | 1.77 | 435 | 434 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,237,054.87 | 3.83 |
| H10057-H10049 | 8 | 269 | 0.009 | 31 | 45,105.44 | 1.76 | 386 | 383.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 889,778.02 | 4.59 |
| L14063-L15001 | 8 | 1,500.00 | 0.005 | 25.4 | 95,031.67 | 1.77 | 311 | 303 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 674,042.33 | 3.48 |
| E08059-E08057 | 8 | 235 | 0.004 | 35.3 | 160,703.47 | 1.77 | 465 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 602,079.55 | 3.11 |
| H09027-H09025 | 12 | 378 | 0.011 | 12.3 | 84,811.06 | 1.77 | 412 | 408 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,799,294.52 | 5.41 |
| D03013-D03011 | 8 | 303 | 0.02 | 11.5 | 30,963.83 | 1.77 | 596 | 590 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,298,799.52 | 6.70 |
| F05065-F05061 | 8 | 313 | 0.013 | 17 | 44,434.38 | 1.76 | 519 | 515 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,043,387.51 | 5.38 |
| D17051-D17049 | 8 | 72 | 0.048 | 4.9 | 9,015.48 | 1.8 | 554.3 | 550.67 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,017,132.02 | 10.40 |
| D11017-D11013 | 6 | 246 | 0.012 | 18.6 | 27,358.25 | 1.78 | 451 | 448 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 473,272.11 | 3.66 |
| F10065-F10051 | 12 | 424 | 0.002 | 50.7 | 526,679.99 | 1.78 | 400.75 | 400 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,144,490.52 | 2.21 |
| D13067-D13065 | 10 | 22 | 0.023 | 9.3 | 31,352.62 | 1.76 | 430 | 429.5 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,522,831.07 | 7.81 |
| D13035-E13033 | 10 | 318 | 0.006 | 22.3 | 143,294.23 | 1.78 | 434 | 432 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,327,137.58 | 4.11 |
| E13033-E13029 | 10 | 318 | 0.006 | 32.3 | 146,116.96 | 1.77 | 432 | 430 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,327,137.58 | 4.11 |
| H12037-H12035 | 8 | 207 | 0.011 | 15.2 | 48,037.81 | 1.77 | 364.24 | 362 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 960,122.49 | 4.95 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| E12103-E12101 | 10 | 355 | 0.006 | 27.3 | 193,373.15 | 1.77 | 409 | 407 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,256,074.30 | 3.89 |
| G13047-G13045 | 8 | 142 | 0.007 | 20 | 67,952.09 | 1.78 | 397 | 396 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 774,539.61 | 3.99 |
| G12085-G12003 | 12 | 297 | 0.005 | 24.3 | 177,577.58 | 1.77 | 373.5 | 372 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,933,890.60 | 3.74 |
| J09013-J09011 | 15 | 308 | 0.006 | 17.9 | 272,881.66 | 1.76 | 390 | 388 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,975,857.76 | 5.13 |
| J14049-J15007 | 8 | 198 | 0.005 | 31.3 | 139,685.78 | 1.78 | 330 | 329 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,926.55 | 3.38 |
| D06063-D06061 | 8 | 249 | 0.012 | 14.8 | 43,718.89 | 1.78 | 564 | 561 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,013,091.71 | 5.22 |
| D05033-D05031 | 8 | 332 | 0.021 | 9.7 | 21,822.98 | 1.79 | 574 | 567 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,340,194.36 | 6.91 |
| D09063-D09033 | 8 | 256 | 0.008 | 29.2 | 53,578.10 | 1.79 | 446 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 815,798.35 | 4.21 |
| K12027-K12025 | 15 | 314 | 0.002 | 41.3 | 683,333.17 | 1.79 | 338.5 | 338 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 1,968,844.32 | 2.54 |
| E02005-E02003 | 10 | 228 | 0.005 | 1.7 | 485.95 | 0.11 | 564.55 | 563.44 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,167,638.95 | 3.61 |
| E10067-E10065 | 8 | 154 | 0.006 | 22.4 | 72,269.65 | 1.79 | 427 | 426 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 743,750.80 | 3.84 |
| G13031-G13029 | 8 | 268 | 0.007 | 20.1 | 70,425.20 | 1.78 | 391 | 389 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 797,325.05 | 4.11 |
| F19059-F19057 | 8 | 250 | 0.124 | 2.8 | 3,040.70 | 1.81 | 651.22 | 620.29 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,246,442.86 | 16.74 |
| G12091-G12089 | 12 | 212 | 0.005 | 21.7 | 177,234.05 | 1.78 | 377 | 376 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,868,945.20 | 3.61 |
| K12023-K12021 | 15 | 352 | 0.001 | 45.9 | 803,840.72 | 1.79 | 337.5 | 337 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 1,859,537.20 | 2.40 |
| G12087-G12085 | 12 | 301 | 0.005 | 20.6 | 177,784.60 | 1.79 | 375 | 373.5 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,920,997.85 | 3.72 |
| E04091-E04089 | 8 | 261 | 0.011 | 17 | 57,112.71 | 1.79 | 565 | 562 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 989,528.21 | 5.10 |
| F14065-F14063 | 10 | 245 | 0.016 | 11.3 | 46,834.98 | 1.77 | 433 | 429 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,138,264.68 | 6.62 |
| F20028-F20026 | 8 | 302.6 | 0.054 | 4.7 | 8,711.27 | 1.78 | 675.45 | 658.53 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,135,720.64 | 11.01 |
| D06115-D06113 | 8 | 282 | 0.014 | 12.6 | 35,014.02 | 1.8 | 540 | 536 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,099,241.84 | 5.67 |
| F12015-F12013 | 12 | 219 | 0.01 | 12.5 | 74,439.64 | 1.8 | 395.24 | 393 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,752,114.19 | 5.32 |
| D06069-D06067 | 8 | 241 | 0.017 | 11.3 | 29,825.51 | 1.78 | 575 | 571 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,189,075.09 | 6.13 |
| G12093-G12091 | 12 | 214 | 0.005 | 20.9 | 177,325.21 | 1.79 | 378 | 377 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,860,191.31 | 3.60 |
| C11017-C10019 | 8 | 243 | 0.025 | 15.7 | 15,057.81 | 1.81 | 501 | 495 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,450,308.18 | 7.48 |
| D06139-D06137 | 8 | 270 | 0.015 | 12.3 | 32,501.01 | 1.82 | 524 | 520 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,123,403.88 | 5.79 |
| J09015-J09013 | 15 | 306 | 0.007 | 17.7 | 273,425.31 | 1.78 | 392 | 390 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,988,829.60 | 5.14 |
| D16013-D16011 | 15 | 194 | 0.01 | 12.7 | 124,940.63 | 1.78 | 491 | 489 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,009,626.32 | 6.46 |
| D14083-D14043 | 12 | 77 | 0.013 | 12.2 | 61,626.82 | 1.78 | 445 | 444 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,101,124.02 | 6.00 |
| E13065-E13063 | 10 | 369 | 0.005 | 26 | 183,073.03 | 1.8 | 418 | 416 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,232,015.93 | 3.81 |
| E13061-E13059 | 10 | 349 | 0.006 | 25.8 | 185,021.34 | 1.8 | 414 | 412 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,266,825.49 | 3.92 |
| D04001-D05055 | 8 | 343 | 0.026 | 14 | 22,811.30 | 1.81 | 593 | 584 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,495,071.63 | 7.71 |
| J10005-J10003 | 15 | 313 | 0.006 | 19.2 | 295,779.91 | 1.79 | 378 | 376 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,943,973.87 | 5.09 |
| D09067-D09065 | 10 | 339 | 0.003 | 33.4 | 219,146.12 | 1.82 | 438 | 437 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 908,896.98 | 2.81 |
| D07113-D08037 | 8 | 137 | 0.007 | 25 | 85,160.08 | 1.81 | 475 | 474 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 788,546.89 | 4.07 |
| G08013-G08011 | 8 | 264 | 0.011 | 16.6 | 47,265.42 | 1.81 | 437 | 434 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 983,889.83 | 5.07 |
| E13063-E13061 | 10 | 355 | 0.006 | 25.9 | 184,205.85 | 1.81 | 416 | 414 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,256,074.30 | 3.89 |
| D12033-D12031 | 10 | 164 | 0.006 | 20.9 | 118,657.63 | 1.82 | 436 | 435 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,306,750.23 | 4.04 |
| G12007-G12005 | 15 | 449 | 0.006 | 15.5 | 189,694.97 | 1.8 | 379.48 | 377 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,666,856.12 | 4.73 |
| C05027-C06099 | 8 | 347 | 0.072 | 3.2 | 4,532.76 | 1.82 | 671 | 646 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,477,382.55 | 12.78 |
| C06009-C06007 | 8 | 330 | 0.027 | 7.6 | 17,005.66 | 1.82 | 561 | 552 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,524,235.57 | 7.86 |
| G13105-G13095 | 8 | 76 | 0.013 | 18.8 | 35,284.98 | 1.81 | 390 | 389 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,058,719.74 | 5.46 |
| C05003-C05001 | 8 | 193 | 0.054 | 4.6 | 7,309.36 | 1.78 | 607.92 | 597.45 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,149,722.95 | 11.09 |
| J09017-J09015 | 15 | 307 | 0.007 | 17.8 | 273,964.46 | 1.81 | 394 | 392 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,982,327.84 | 5.13 |
| D06015-D06013 | 8 | 65 | 0.031 | 16.7 | 15,510.63 | 1.82 | 536 | 534 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,618,997.31 | 8.35 |
| E12013-E12011 | 8 | 41 | 0.024 | 35.6 | 26,298.19 | 1.82 | 414 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,441,437.71 | 7.43 |
| E06025-E07045 | 10 | 262 | 0.004 | 32.5 | 214,083.86 | 1.82 | 489 | 488 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,033,865.07 | 3.20 |
| D05031-D05001 | 8 | 346 | 0.017 | 15.2 | 28,627.40 | 1.81 | 567 | 561 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,215,417.21 | 6.27 |
| D05119-D05117 | 15 | 332 | 0.003 | 26 | 400,682.87 | 1.6 | 556 | 555 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,707,834.75 | 3.49 |
| G13029-G12035 | 8 | 256 | 0.008 | 23 | 72,849.50 | 1.82 | 389 | 387 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 815,798.35 | 4.21 |
| D07143-E07029 | 12 | 408 | 0.009 | 13.9 | 73,445.26 | 1.83 | 501 | 497.3 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,591,404.92 | 5.01 |
| J09009-J09007 | 15 | 308 | 0.006 | 18.1 | 285,000.90 | 1.81 | 386 | 384 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,975,857.76 | 5.13 |
| D05021-D05019 | 8 | 40 | 0.05 | 5.5 | 8,467.37 | 1.82 | 585 | 583 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,063,824.72 | 10.64 |
| G08079-G08073 | 12 | 294 | 0.003 | 44.1 | 561,981.21 | 1.82 | 444.78 | 444 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,401,645.33 | 2.71 |
| F13041-F13039 | 12 | 87 | 0.016 | 9.4 | 47,780.86 | 1.82 | 405.48 | 404.08 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,451,984.92 | 6.68 |
| D06113-D06111 | 8 | 288 | 0.014 | 12.9 | 38,806.99 | 1.83 | 536 | 532 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,087,731.13 | 5.61 |
| D05069-D05067 | 8 | 341 | 0.018 | 11.5 | 34,154.36 | 1.81 | 606 | 600 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,224,295.47 | 6.31 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| D06117-D06115 | 8 | 285 | 0.018 | 11.4 | 28,341.89 | 1.81 | 545 | 540 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,222,504.25 | 6.30 |
| J10001-K10007 | 15 | 311 | 0.006 | 19.9 | 341,283.01 | 1.82 | 374 | 372 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,956,635.13 | 5.10 |
| D04003-D04001 | 8 | 352 | 0.028 | 8.4 | 21,261.03 | 1.83 | 603 | 593 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,555,666.41 | 8.02 |
| F12081-F12069 | 21 | 309 | 0.002 | 37.7 | 1,247,801.19 | 1.82 | 396 | 395.36 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 5,507,781.57 | 3.55 |
| J10003-J10001 | 15 | 319 | 0.006 | 20 | 341,378.93 | 1.82 | 376 | 374 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,906,707.13 | 5.04 |
| K10001-K11017 | 15 | 150 | 0.007 | 22.7 | 347,122.28 | 1.81 | 366 | 365 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,028,520.42 | 5.19 |
| C05001-C06053 | 8 | 207 | 0.046 | 7 | 9,715.81 | 1.84 | 597.45 | 588 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,972,052.80 | 10.17 |
| H10035-H10033 | 12 | 410 | 0.007 | 17.3 | 151,123.69 | 1.83 | 402 | 399 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,327,733.18 | 4.50 |
| F16017-F16015 | 12 | 143 | 0.007 | 21.1 | 221,614.11 | 1.83 | 484 | 483 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,275,602.90 | 4.40 |
| F08109-F08107 | 12 | 319 | 0.004 | 37.4 | 318,071.95 | 1.83 | 453 | 451.7 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,737,164.05 | 3.36 |
| F03139-F03137 | 15 | 294 | 0.003 | 14.3 | 125,480.62 | 1.28 | 528 | 527 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,877,514.59 | 3.71 |
| E04077-E04075 | 8 | 403 | 0.007 | 24.5 | 105,124.96 | 1.84 | 557 | 554 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 796,335.20 | 4.11 |
| F19005-F19003 | 8 | 35 | 0.014 | 14.3 | 48,483.51 | 1.84 | 554.5 | 554 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,103,160.71 | 5.69 |
| J12017-J12015 | 8 | 323 | 0.014 | 31.8 | 46,835.34 | 1.84 | 364 | 359.38 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,103,843.57 | 5.69 |
| K11033-K11031 | 15 | 275 | 0.002 | 35.2 | 536,553.25 | 1.85 | 349 | 348.5 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,103,826.18 | 2.71 |
| E12101-E12095 | 10 | 355 | 0.006 | 28.1 | 216,124.51 | 1.84 | 407 | 405 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,256,074.30 | 3.89 |
| E13073-E13071 | 8 | 92 | 0.011 | 21.5 | 77,295.43 | 1.83 | 425 | 424 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 962,263.24 | 4.96 |
| J09001-J10005 | 15 | 302 | 0.007 | 18.5 | 296,426.95 | 1.83 | 380 | 378 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,015,158.79 | 5.18 |
| J09011-J09009 | 15 | 307 | 0.007 | 18.1 | 285,595.03 | 1.83 | 388 | 386 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,982,327.84 | 5.13 |
| F17027-F17005 | 12 | 396 | 0.01 | 17.3 | 139,536.27 | 1.82 | 512 | 508 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,734,934.32 | 5.29 |
| E04089-E04085 | 8 | 275 | 0.011 | 19.5 | 66,387.23 | 1.84 | 562 | 559 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 964,011.22 | 4.97 |
| F10021-F10019 | 24 | 75 | 0.003 | 25.2 | 1,043,632.94 | 1.82 | 415.2 | 415 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 8,922,684.14 | 4.45 |
| F10077-F10075 | 8 | 251 | 0.004 | 34.4 | 148,154.29 | 1.85 | 408 | 407 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 582,573.80 | 3.00 |
| E12105-E12103 | 10 | 327 | 0.006 | 26.2 | 192,524.42 | 1.84 | 411 | 409 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,308,746.79 | 4.05 |
| G13039-G13037 | 8 | 122 | 0.008 | 21.2 | 67,670.05 | 1.84 | 393 | 392 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 835,618.20 | 4.31 |
| H14003-H14001 | 8 | 249 | 0.012 | 14.8 | 45,520.03 | 1.85 | 358 | 355 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,013,091.71 | 5.22 |
| D10077-D10075 | 8 | 101 | 0.01 | 21.7 | 50,317.29 | 1.85 | 457 | 456 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 918,389.95 | 4.74 |
| D09053-D09051 | 8 | 19 | 0.074 | 3.2 | 4,530.93 | 1.86 | 468.8 | 467.4 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,505,388.18 | 12.92 |
| F19049-F19047 | 8 | 40 | 0.052 | 7.5 | 10,151.35 | 1.88 | 573 | 570.85 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,113,562.57 | 10.90 |
| C11019-C11017 | 8 | 252 | 0.048 | 5.8 | 7,551.55 | 1.85 | 513 | 501 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,014,086.69 | 10.39 |
| G15047-G15045 | 8 | 216 | 0.079 | 3.3 | 3,812.37 | 1.86 | 500 | 483 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,589,318.01 | 13.35 |
| F03081-F04151 | 15 | 262 | 0.004 | 15.2 | 126,548.32 | 1.28 | 523 | 522 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,048,179.61 | 3.93 |
| L14021-L14019 | 12 | 241 | 0.003 | 66.1 | 978,878.12 | 1.71 | 308.7 | 308 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,466,577.43 | 2.84 |
| E13059-E12105 | 10 | 163 | 0.006 | 25.9 | 191,590.59 | 1.85 | 412 | 411 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,310,752.54 | 4.06 |
| F18033-F18031 | 12 | 184 | 0.011 | 12.1 | 88,125.98 | 1.86 | 546 | 544 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,837,073.48 | 5.49 |
| E11123-E11121 | 8 | 259 | 0.035 | 7.7 | 16,670.52 | 1.86 | 430 | 421 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,720,517.84 | 8.87 |
| D14047-D14045 | 8 | 92 | 0.022 | 11.1 | 30,256.42 | 1.85 | 449 | 447 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,360,845.72 | 7.02 |
| L13147-L13015 | 12 | 342 | 0.003 | 100 | 2,393,181.37 | 1.83 | 323 | 322 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,471,470.11 | 2.85 |
| E15039-E15037 | 8 | 50 | 0.01 | 22.6 | 98,030.04 | 1.86 | 455.5 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 922,970.47 | 4.76 |
| D13041-D13039 | 10 | 125 | 0.008 | 19.4 | 122,924.18 | 1.85 | 440 | 439 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,496,785.28 | 4.63 |
| K11037-K11035 | 8 | 305 | 0.018 | 35.1 | 27,537.80 | 1.84 | 355 | 349.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,239,422.09 | 6.39 |
| G15039-G15037 | 8 | 325 | 0.037 | 100 | 9,752.18 | 1.87 | 422 | 410 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,773,522.69 | 9.15 |
| E14059-E13031 | 8 | 271 | 0.004 | 59 | 367,061.88 | 1.86 | 435 | 434 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 560,664.63 | 2.89 |
| D06067-D06065 | 8 | 244 | 0.016 | 12.7 | 34,500.02 | 1.87 | 571 | 567 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,181,742.60 | 6.09 |
| F03083-F03081 | 15 | 264 | 0.004 | 13.9 | 126,308.96 | 1.28 | 524 | 523 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,036,611.52 | 3.92 |
| F10067-F10065 | 12 | 125 | 0.002 | 46.8 | 527,020.61 | 1.86 | 401 | 400.75 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,216,968.94 | 2.35 |
| F03141-F03139 | 15 | 291 | 0.003 | 14.2 | 125,409.38 | 1.31 | 529 | 528 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,892,309.11 | 3.73 |
| F03085-F03083 | 15 | 270 | 0.004 | 14 | 126,052.38 | 1.29 | 525 | 524 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,002,681.84 | 3.87 |
| H14005-H14003 | 8 | 250 | 0.012 | 14.6 | 46,167.77 | 1.87 | 361 | 358 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,011,063.49 | 5.21 |
| E15051-E15049 | 8 | 363 | 0.011 | 22.4 | 85,443.21 | 1.85 | 465 | 461.09 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 957,905.96 | 4.94 |
| G09021-G09019 | 8 | 262 | 0.004 | 43 | 218,759.26 | 1.86 | 416 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 570,213.06 | 2.94 |
| E13017-E13015 | 8 | 313 | 0.003 | 81.2 | 516,973.53 | 1.87 | 423 | 422 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 521,693.76 | 2.69 |
| C06027-C06019 | 8 | 250 | 0.024 | 10.9 | 21,830.26 | 1.87 | 556 | 550 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,429,859.71 | 7.37 |
| G07045-G07043 | 24 | 275 | 0.001 | 38.9 | 2,106,742.44 | 1.75 | 462.28 | 461.88 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 6,589,838.96 | 3.29 |
| F20026-F20024 | 8 | 309.2 | 0.064 | 4.4 | 8,694.73 | 1.89 | 658.53 | 639.08 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,334,591.06 | 12.04 |
| C10019-C10017 | 8 | 163 | 0.006 | 24.2 | 92,493.59 | 1.87 | 495 | 494 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 722,926.27 | 3.73 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| E05013-E06083 | 10 | 333 | 0.012 | 12.7 | 56,719.63 | 1.87 | 512 | 508 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,834,097.37 | 5.68 |
| G06001-G07049 | 24 | 295 | 0.001 | 41.1 | 2,116,067.44 | 1.75 | 463.48 | 463.08 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 6,362,534.36 | 3.18 |
| F09089-F09087 | 8 | 275 | 0.011 | 18.3 | 56,506.28 | 1.86 | 430 | 427 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 964,011.22 | 4.97 |
| F03143-F03141 | 15 | 295 | 0.003 | 14.3 | 125,335.19 | 1.32 | 530 | 529 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,872,633.31 | 3.70 |
| J14085-J14051 | 8 | 267 | 0.007 | 29 | 102,793.59 | 1.86 | 333 | 331 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 798,816.77 | 4.12 |
| C10009-C10007 | 8 | 232 | 0.017 | 12 | 24,865.21 | 1.88 | 469 | 465 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,211,919.60 | 6.25 |
| D04091-D04081 | 8 | 361 | 0.014 | 15.1 | 51,900.56 | 1.88 | 591 | 586 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,086,223.54 | 5.60 |
| J08003-J08001 | 15 | 300 | 0.007 | 18.1 | 275,118.51 | 1.86 | 398 | 396 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,028,520.42 | 5.19 |
| G04085-G04083 | 12 | 338 | 0.006 | 21.3 | 183,756.88 | 1.82 | 492 | 490 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,093,250.22 | 4.05 |
| E16013-E15055 | 8 | 327 | 0.012 | 18.5 | 75,059.13 | 1.87 | 476 | 472.12 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,005,378.96 | 5.19 |
| G02011-G02009 | 8 | 267 | 0.016 | 9.8 | 18,285.29 | 1.51 | 520.97 | 516.58 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,183,489.57 | 6.10 |
| F18025-F18011 | 12 | 279 | 0.011 | 15.9 | 97,974.53 | 1.86 | 535 | 532 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,821,779.17 | 5.46 |
| E09073-E09069 | 15 | 265 | 0.002 | 48.5 | 1,016,302.15 | 1.87 | 422.5 | 422 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,143,153.43 | 2.76 |
| D04105-D04103 | 8 | 381 | 0.026 | 9.9 | 25,844.60 | 1.88 | 616 | 606 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,495,289.62 | 7.71 |
| K15021-K15019 | 10 | 369 | 0.004 | 29.4 | 179,502.14 | 1.88 | 314 | 312.39 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,105,386.77 | 3.42 |
| L14041-L14021 | 12 | 89 | 0.003 | 58 | 959,874.33 | 1.72 | 309 | 308.7 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,579,901.90 | 3.06 |
| E15055-E15053 | 8 | 337 | 0.012 | 19.2 | 75,998.88 | 1.88 | 472.12 | 468 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,020,519.87 | 5.26 |
| G14045-G14043 | 8 | 318 | 0.009 | 20.6 | 75,762.67 | 1.88 | 401 | 398 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 896,468.17 | 4.62 |
| H07005-H07003 | 15 | 547 | 0.007 | 16 | 234,913.67 | 1.87 | 427 | 423 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,219,174.93 | 5.44 |
| E02001-E03249 | 10 | 155 | 0.005 | 1.7 | 482.71 | 0.09 | 562.83 | 562.12 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,132,603.33 | 3.50 |
| F10053-F10051 | 8 | 105 | 0.029 | 43.9 | 16,422.17 | 1.89 | 403 | 400 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,560,104.84 | 8.05 |
| F08099-F08097 | 12 | 265 | 0.003 | 39.8 | 498,409.52 | 1.88 | 449.8 | 449 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,495,156.16 | 2.89 |
| H14007-H14005 | 8 | 248 | 0.012 | 14.6 | 46,817.87 | 1.89 | 364 | 361 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,015,132.18 | 5.24 |
| H09003-H10035 | 12 | 393 | 0.008 | 17.2 | 152,168.19 | 1.88 | 405 | 402 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,377,545.57 | 4.60 |
| F11043-F11041 | 8 | 342 | 0.009 | 18 | 61,411.43 | 1.9 | 392 | 389 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 864,441.05 | 4.46 |
| D11021-D11019 | 8 | 148 | 0.007 | 22.5 | 84,222.21 | 1.89 | 465 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 758,677.05 | 3.91 |
| D10043-D10037 | 8 | 204 | 0.015 | 13.7 | 32,828.77 | 1.89 | 458 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,119,266.10 | 5.77 |
| D06031-D06029 | 8 | 257 | 0.019 | 14.9 | 28,932.99 | 1.87 | 549 | 544 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,287,378.49 | 6.64 |
| D09023-D09021 | 8 | 309 | 0.01 | 27.8 | 56,264.72 | 1.91 | 452 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 909,429.83 | 4.69 |
| E07019-E07017 | 12 | 250 | 0.012 | 10.4 | 62,118.57 | 1.91 | 487 | 484 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,980,952.95 | 5.77 |
| C06019-C06017 | 8 | 207 | 0.014 | 13.1 | 40,983.20 | 1.91 | 550 | 547 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,111,125.88 | 5.73 |
| H14009-H14007 | 8 | 248 | 0.012 | 14.7 | 47,025.13 | 1.9 | 367 | 364 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,015,132.18 | 5.24 |
| F05041-F05039 | 10 | 306 | 0.013 | 22.7 | 86,392.87 | 1.86 | 505 | 501 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,913,303.17 | 5.92 |
| E07049-E07047 | 8 | 279 | 0.004 | 48.5 | 262,342.81 | 1.91 | 490 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 552,567.97 | 2.85 |
| F05111-F05109 | 15 | 238 | 0.004 | 16.3 | 182,042.01 | 1.42 | 508 | 507 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,198,178.66 | 4.12 |
| E07007-E07005 | 12 | 159 | 0.013 | 19.8 | 64,672.73 | 1.9 | 476 | 474 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,051,974.73 | 5.90 |
| F04005-F04003 | 8 | 252 | 0.024 | 11.8 | 26,826.76 | 1.9 | 512 | 506 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,424,174.36 | 7.35 |
| G10027-H10027 | 8 | 149 | 0.007 | 29.3 | 96,448.15 | 1.9 | 398 | 397 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 756,126.87 | 3.90 |
| D06137-D06135 | 8 | 275 | 0.015 | 13.4 | 40,228.72 | 1.91 | 520 | 516 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,113,144.27 | 5.74 |
| E02009-E02007 | 8 | 357 | 0.005 | 2.1 | 493.07 | 0.18 | 567.56 | 565.61 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 682,136.05 | 3.52 |
| E15047-E15045 | 8 | 274 | 0.011 | 23.5 | 91,122.26 | 1.9 | 461.01 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 967,377.04 | 4.99 |
| J12089-J12001 | 18 | 207 | 0.014 | 7.2 | 102,117.34 | 1.89 | 358 | 355 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 9,658,654.77 | 8.30 |
| D05071-D05069 | 8 | 342 | 0.023 | 10.7 | 28,599.08 | 1.91 | 614 | 606 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,411,626.32 | 7.28 |
| F10023-F10021 | 24 | 34 | 0.003 | 22.8 | 1,043,769.09 | 1.89 | 415.3 | 415.2 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 9,370,692.67 | 4.68 |
| G07047-G07045 | 24 | 261 | 0.002 | 38.6 | 2,105,863.64 | 1.79 | 462.68 | 462.28 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 6,764,269.39 | 3.38 |
| E12025-E12011 | 10 | 330 | 0.003 | 100 | 652,449.50 | 1.91 | 414 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 508,078.52 | 2.62 |
| D04077-D04075 | 8 | 272 | 0.011 | 25.8 | 74,440.99 | 1.91 | 578 | 575 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 969,312.88 | 5.00 |
| E06023-E06007 | 8 | 279 | 0.011 | 24.2 | 59,810.23 | 1.92 | 513 | 510 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 957,075.80 | 4.94 |
| C05011-D05071 | 8 | 280 | 0.029 | 9.1 | 22,405.60 | 1.92 | 622 | 614 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,560,104.84 | 8.05 |
| D16019-D16017 | 15 | 158 | 0.016 | 9.1 | 104,543.39 | 1.91 | 495.46 | 493 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 6,156,447.91 | 7.94 |
| H05025-H05017 | 8 | 264 | 0.019 | 21.9 | 89,115.04 | 1.9 | 462 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,270,196.31 | 6.55 |
| F05113-F05111 | 15 | 234 | 0.004 | 16.2 | 181,863.24 | 1.44 | 509 | 508 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,225,397.69 | 4.16 |
| D09073-D09071 | 10 | 322 | 0.006 | 19.5 | 108,998.46 | 1.93 | 448 | 446 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,318,868.73 | 4.08 |
| E15017-E15015 | 15 | 331 | 0.009 | 13.9 | 195,671.45 | 1.92 | 472 | 469 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,697,186.78 | 6.06 |
| J09007-J09005 | 15 | 275 | 0.007 | 41.6 | 293,301.40 | 1.92 | 384 | 382 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,207,652.35 | 5.43 |
| E03245-E03243 | 10 | 116 | 0.005 | 1.9 | 737.31 | 0.32 | 560.68 | 560.07 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,213,529.76 | 3.76 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| F10075-F10073 | 8 | 215 | 0.005 | 43.5 | 148,044.32 | 1.94 | 407 | 406 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 629,460.64 | 3.25 |
| D02011-D02003 | 12 | 249 | 0.004 | 19.8 | 147,605.23 | 1.47 | 594 | 593 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,724,506.46 | 3.34 |
| E16021-E16015 | 8 | 143 | 0.014 | 19.2 | 66,898.51 | 1.93 | 480 | 478 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,091,527.76 | 5.63 |
| H07007-H07005 | 15 | 532 | 0.008 | 16 | 235,517.06 | 1.93 | 431 | 427 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,278,242.31 | 5.52 |
| F10099-F10097 | 8 | 182 | 0.016 | 11.8 | 28,904.59 | 1.93 | 407 | 404 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,184,984.69 | 6.11 |
| K13069-K13001 | 12 | 300 | 0.003 | 100 | 2,569,988.46 | 1.91 | 320 | 319 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,571,100.15 | 3.04 |
| E12095-E12003 | 10 | 309 | 0.006 | 42.8 | 221,672.83 | 1.92 | 405 | 403 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,346,326.10 | 4.17 |
| J09003-J09001 | 15 | 266 | 0.008 | 18 | 291,854.83 | 1.91 | 382.06 | 380 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,341,941.73 | 5.60 |
| F07019-F07017 | 8 | 40 | 0.025 | 13.4 | 34,482.45 | 1.93 | 454 | 453 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,459,344.45 | 7.53 |
| H10031-H10013 | 12 | 397 | 0.009 | 19.6 | 152,474.41 | 1.92 | 395 | 391.5 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,555,072.73 | 4.94 |
| F09047-F09045 | 18 | 424 | 0.002 | 33.4 | 934,765.41 | 1.93 | 428 | 427 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 3,896,352.68 | 3.35 |
| D10089-D10075 | 8 | 308 | 0.006 | 25.7 | 93,286.75 | 1.95 | 458 | 456 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 743,750.80 | 3.84 |
| D14113-D14085 | 8 | 251 | 0.026 | 11.8 | 32,217.49 | 1.94 | 457.48 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,482,990.77 | 7.65 |
| F09049-F09047 | 18 | 440 | 0.002 | 33.7 | 934,991.39 | 1.93 | 429 | 428 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 3,824,853.90 | 3.29 |
| E16003-E16001 | 15 | 325 | 0.009 | 14.4 | 188,595.91 | 1.93 | 477 | 474 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,740,347.14 | 6.11 |
| D05007-D05005 | 8 | 58 | 0.017 | 12 | 36,774.96 | 1.95 | 571 | 570 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,211,919.60 | 6.25 |
| K13071-K13069 | 12 | 302 | 0.003 | 100 | 2,613,773.64 | 1.91 | 321 | 320 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,565,889.19 | 3.03 |
| F12075-F12073 | 15 | 251 | 0.004 | 31.1 | 655,425.13 | 1.93 | 400 | 399 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,114,256.21 | 4.02 |
| E08057-E08049 | 15 | 331 | 0.006 | 17.1 | 191,558.00 | 1.94 | 464 | 462 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,835,236.95 | 4.94 |
| D10091-D10089 | 8 | 140 | 0.007 | 22.9 | 82,901.17 | 1.95 | 459 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 780,052.42 | 4.02 |
| E07091-E07089 | 8 | 246 | 0.016 | 13.4 | 36,314.40 | 1.94 | 476 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,176,928.96 | 6.07 |
| D03085-D03061 | 15 | 251 | 0.004 | 18.7 | 237,882.65 | 1.58 | 589 | 588 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,114,256.21 | 4.02 |
| F12073-F12071 | 15 | 246 | 0.004 | 31 | 656,039.58 | 1.93 | 399 | 398 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,145,745.95 | 4.06 |
| E02013-E02011 | 8 | 224 | 0.006 | 2.1 | 497.79 | 0.2 | 570.27 | 569 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 694,969.36 | 3.58 |
| D09075-D09073 | 8 | 382 | 0.008 | 22.4 | 74,762.10 | 1.95 | 451 | 448 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 817,931.16 | 4.22 |
| G14067-G14065 | 8 | 334 | 0.019 | 13 | 46,453.14 | 1.92 | 415.48 | 409 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,285,588.79 | 6.63 |
| F17001-F16035 | 12 | 249 | 0.012 | 15.1 | 147,439.28 | 1.95 | 506 | 503 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,986,932.80 | 5.78 |
| F18029-F18027 | 12 | 249 | 0.012 | 12.3 | 95,748.21 | 1.96 | 541 | 538 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,986,932.80 | 5.78 |
| E04097-E04071 | 10 | 273 | 0.011 | 21.8 | 101,250.50 | 1.94 | 548 | 545 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,754,259.40 | 5.43 |
| H10053-H10051 | 15 | 378 | 0.005 | 20.5 | 275,778.50 | 1.93 | 386 | 384 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,588,891.24 | 4.63 |
| G12049-G12047 | 8 | 221 | 0.009 | 21.9 | 84,552.30 | 1.95 | 385 | 383 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 878,024.57 | 4.53 |
| G04081-G05099 | 12 | 286 | 0.007 | 21.3 | 185,314.44 | 1.9 | 489 | 487 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,275,602.90 | 4.40 |
| D17017-D17015 | 15 | 285 | 0.018 | 8.4 | 95,405.16 | 1.95 | 504 | 499 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 6,535,123.08 | 8.43 |
| G13091-G13089 | 10 | 167 | 0.006 | 24 | 147,912.88 | 1.95 | 386 | 385 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,294,959.76 | 4.01 |
| F16021-F16019 | 12 | 231 | 0.009 | 19.6 | 212,341.93 | 1.94 | 487 | 485 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,532,057.16 | 4.90 |
| F12077-F12075 | 15 | 250 | 0.004 | 31.1 | 655,146.69 | 1.94 | 401 | 400 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,120,478.50 | 4.02 |
| E04071-E04069 | 10 | 337 | 0.006 | 27.4 | 210,875.41 | 1.95 | 545 | 543 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,289,182.96 | 3.99 |
| D06013-D06011 | 8 | 286 | 0.007 | 26.4 | 118,154.46 | 1.97 | 534 | 532 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 771,826.68 | 3.98 |
| G05101-G05099 | 8 | 288 | 0.014 | 25.4 | 60,741.90 | 1.96 | 491 | 487 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,087,731.13 | 5.61 |
| F05109-F05105 | 15 | 224 | 0.004 | 16.5 | 194,715.79 | 1.52 | 507 | 506 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,296,607.10 | 4.25 |
| G13045-G13043 | 8 | 211 | 0.009 | 18.6 | 67,860.52 | 1.97 | 396 | 394 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 898,589.99 | 4.63 |
| J15005-J15003 | 12 | 235 | 0.004 | 30.1 | 280,665.95 | 1.96 | 328 | 327 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,775,131.65 | 3.43 |
| F18031-F18029 | 12 | 245 | 0.012 | 12.2 | 94,808.70 | 1.97 | 544 | 541 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,011,217.21 | 5.82 |
| F12079-F12077 | 15 | 250 | 0.004 | 31.1 | 654,866.93 | 1.95 | 402 | 401 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,120,478.50 | 4.02 |
| F18027-F18025 | 12 | 240 | 0.013 | 12.5 | 97,028.54 | 1.98 | 538 | 535 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,042,422.36 | 5.88 |
| E16023-E16021 | 8 | 248 | 0.02 | 15 | 49,612.24 | 1.95 | 485 | 480 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,310,530.01 | 6.76 |
| D04095-D04093 | 8 | 55 | 0.018 | 14.4 | 45,282.41 | 1.98 | 593 | 592 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,244,533.13 | 6.42 |
| D14117-D14115 | 8 | 348 | 0.026 | 10.5 | 31,949.93 | 1.97 | 471 | 462 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,484,292.32 | 7.66 |
| E07083-E08073 | 8 | 335 | 0.012 | 16.7 | 61,032.87 | 1.97 | 469 | 465 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,008,545.28 | 5.20 |
| D13079-D13077 | 8 | 161 | 0.031 | 9.2 | 24,554.11 | 1.98 | 440 | 435 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,626,521.74 | 8.39 |
| D02001-D03083 | 8 | 346 | 0.014 | 17.2 | 71,890.85 | 1.98 | 625 | 620 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,109,519.04 | 5.72 |
| J08013-J08011 | 15 | 512 | 0.008 | 16.5 | 256,624.25 | 1.98 | 415 | 411 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,361,001.28 | 5.62 |
| H07001-J08013 | 15 | 498 | 0.008 | 16.3 | 248,985.00 | 1.96 | 419 | 415 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,421,875.63 | 5.70 |
| E12005-E12003 | 15 | 355 | 0.003 | 41.1 | 926,916.87 | 1.98 | 404 | 403 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,618,647.39 | 3.38 |
| D13105-D13099 | 8 | 197 | 0.223 | 3.7 | 2,378.19 | 1.99 | 501 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 4,361,953.51 | 22.50 |
| L14043-L14041 | 12 | 259 | 0.004 | 55.4 | 976,802.24 | 1.81 | 310 | 309 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,690,887.12 | 3.27 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| H07003-H07001 | 15 | 473 | 0.008 | 15.9 | 239,892.85 | 1.97 | 423 | 419 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,537,228.22 | 5.85 |
| D06009-D06007 | 8 | 282 | 0.007 | 27.2 | 125,075.53 | 1.99 | 528 | 526 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 777,281.36 | 4.01 |
| H12011-H12009 | 15 | 453 | 0.004 | 24.6 | 375,843.08 | 1.97 | 368 | 366 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,278,363.43 | 4.23 |
| G13087-G13085 | 10 | 46 | 0.007 | 22.3 | 147,866.43 | 1.99 | 384.3 | 384 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,351,438.29 | 4.18 |
| F13061-F13059 | 15 | 255 | 0.004 | 31.2 | 653,262.58 | 1.98 | 406 | 405 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,089,734.12 | 3.98 |
| L13015-K13071 | 12 | 286 | 0.003 | 100 | 2,654,990.69 | 1.96 | 322 | 321 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,609,094.24 | 3.11 |
| F19003-F19001 | 8 | 250 | 0.017 | 17.8 | 49,836.60 | 1.99 | 554 | 549.64 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,214,033.81 | 6.26 |
| F02099-F02098 | 8 | 262 | 0.006 | 23.1 | 75,317.51 | 1.55 | 534.63 | 533 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 727,999.30 | 3.75 |
| E09005-F09049 | 18 | 423 | 0.002 | 33.5 | 934,211.52 | 1.98 | 430 | 429 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 3,900,955.58 | 3.35 |
| F13059-F13057 | 15 | 250 | 0.004 | 31.1 | 653,872.79 | 1.98 | 405 | 404 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,120,478.50 | 4.02 |
| D10093-D10091 | 8 | 232 | 0.009 | 20.7 | 70,603.47 | 2 | 461 | 459 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 856,956.57 | 4.42 |
| F18003-F18001 | 12 | 79 | 0.013 | 15.4 | 115,680.99 | 2 | 529 | 528 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,061,617.65 | 5.92 |
| E09007-E09005 | 18 | 438 | 0.002 | 33.6 | 934,091.49 | 1.99 | 431 | 430 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 3,833,576.50 | 3.30 |
| J08011-J08009 | 15 | 360 | 0.008 | 16.2 | 255,910.49 | 1.98 | 411 | 408 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,504,022.76 | 5.81 |
| G06003-G06001 | 24 | 249 | 0.002 | 38.8 | 2,117,471.54 | 1.87 | 463.88 | 463.48 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 6,925,345.98 | 3.46 |
| G05099-G05097 | 12 | 345 | 0.006 | 23.2 | 245,338.56 | 1.96 | 487 | 485 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,071,905.52 | 4.01 |
| D05101-E05011 | 8 | 284 | 0.014 | 14.7 | 50,823.62 | 2 | 534 | 530 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,095,364.43 | 5.65 |
| G09027-G09025 | 8 | 19 | 0.005 | 38.4 | 189,879.23 | 2 | 419 | 418.9 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 669,593.16 | 3.45 |
| C06097-C06095 | 8 | 227 | 0.084 | 3.5 | 5,745.64 | 2.01 | 611 | 592 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,670,248.50 | 13.77 |
| F14059-F14057 | 15 | 305 | 0.01 | 15.1 | 212,371.34 | 1.99 | 432 | 429 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,893,300.73 | 6.31 |
| D03097-D03087 | 15 | 236 | 0.004 | 18.2 | 233,453.76 | 1.62 | 591 | 590 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,211,701.67 | 4.14 |
| F03157-F03155 | 12 | 155 | 0.006 | 6.9 | 20,686.13 | 0.97 | 541 | 540 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,185,740.75 | 4.23 |
| F06071-F06067 | 8 | 61 | 0.029 | 12.7 | 29,086.51 | 2.01 | 487.75 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,563,298.51 | 8.06 |
| G13055-G13047 | 8 | 302 | 0.013 | 17.2 | 47,252.98 | 2.01 | 401 | 397 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,062,219.65 | 5.48 |
| F13063-F13061 | 15 | 253 | 0.004 | 31.2 | 652,989.14 | 2 | 407 | 406 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,101,922.47 | 4.00 |
| J15009-J15007 | 12 | 131 | 0.008 | 18.3 | 141,532.39 | 2 | 330 | 329 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,377,545.57 | 4.60 |
| F08103-F08101 | 12 | 278 | 0.004 | 37.8 | 494,878.38 | 2.01 | 451 | 450 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,632,082.47 | 3.16 |
| E13015-D13033 | 8 | 250 | 0.004 | 73.4 | 519,238.44 | 2.01 | 422 | 421 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 583,737.78 | 3.01 |
| D03029-D03017 | 8 | 86 | 0.035 | 9.8 | 23,513.06 | 2.02 | 604 | 601 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,723,848.95 | 8.89 |
| D13033-D12009 | 10 | 255 | 0.004 | 63.9 | 566,772.80 | 2 | 421 | 420 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,047,959.31 | 3.24 |
| F02155-F02100 | 8 | 300 | 0.006 | 21.8 | 75,535.48 | 1.57 | 539.1 | 537.25 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 723,586.45 | 3.73 |
| J11091-J11090 | 8 | 16 | 0.034 | 15.4 | 29,704.03 | 2.01 | 372 | 371.46 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,695,605.03 | 8.74 |
| J14025-J14023 | 8 | 267 | 0.007 | 25 | 109,655.74 | 2.01 | 343 | 341 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 798,816.77 | 4.12 |
| C05013-C05011 | 8 | 270 | 0.033 | 8.1 | 21,490.06 | 2.02 | 631 | 622 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,685,105.82 | 8.69 |
| E10059-E10057 | 12 | 155 | 0.006 | 17.7 | 146,784.07 | 2.02 | 424 | 423 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,185,740.75 | 4.23 |
| E12049-E12047 | 8 | 281 | 0.007 | 30.5 | 157,265.51 | 2.02 | 416 | 414 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 778,663.19 | 4.02 |
| G12001-H12011 | 15 | 450 | 0.004 | 22.9 | 376,767.80 | 2.01 | 370 | 368 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,289,273.15 | 4.24 |
| H10033-H10031 | 12 | 415 | 0.01 | 16.4 | 153,557.50 | 2.01 | 399 | 395 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,671,593.91 | 5.17 |
| C10029-C10027 | 8 | 201 | 0.01 | 18.2 | 66,266.87 | 2.03 | 511 | 509 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 920,671.66 | 4.75 |
| G12003-G12001 | 15 | 446 | 0.004 | 22.7 | 368,335.35 | 2.01 | 372 | 370 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,303,990.33 | 4.26 |
| F14061-F14059 | 15 | 302 | 0.01 | 14.2 | 212,510.12 | 2.02 | 435 | 432 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,917,545.14 | 6.34 |
| F20024-F20022 | 8 | 350 | 0.081 | 5.4 | 8,681.00 | 2.04 | 639.08 | 610.78 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,624,502.57 | 13.54 |
| F16019-F16017 | 12 | 108 | 0.009 | 20.4 | 220,984.92 | 2.01 | 485 | 484 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,618,500.25 | 5.06 |
| E08047-E08045 | 15 | 336 | 0.006 | 18.1 | 231,308.46 | 2.03 | 461 | 459 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,806,594.00 | 4.91 |
| E02011-E02009 | 8 | 220 | 0.007 | 2 | 495.68 | 0.2 | 569 | 567.56 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 746,719.88 | 3.85 |
| D06007-D06005 | 8 | 266 | 0.008 | 27.3 | 129,072.09 | 2.04 | 526 | 524 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 800,316.90 | 4.13 |
| E02025-E02023 | 8 | 233 | 0.011 | 0 | 0 | 0 | 585.57 | 582.98 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 973,105.06 | 5.02 |
| D03099-D03097 | 15 | 230 | 0.004 | 18.2 | 233,670.84 | 1.65 | 592 | 591 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,253,323.73 | 4.19 |
| E09075-E09073 | 15 | 214 | 0.002 | 47 | 1,016,208.15 | 2.03 | 423 | 422.5 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,384,895.28 | 3.07 |
| F08089-F08083 | 12 | 263 | 0.004 | 42.7 | 509,599.98 | 2.03 | 447 | 446 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,677,979.40 | 3.25 |
| G09057-G09055 | 8 | 258 | 0.019 | 48.5 | 36,535.04 | 2.04 | 420 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,284,881.15 | 6.63 |
| E04075-E04073 | 8 | 391 | 0.01 | 22.8 | 106,307.89 | 2.03 | 554 | 550 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 933,532.46 | 4.81 |
| H13067-H13065 | 12 | 23 | 0.043 | 4.5 | 14,596.31 | 2.05 | 373 | 372 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 5,674,146.96 | 10.97 |
| E07047-E07045 | 8 | 234 | 0.004 | 47.4 | 275,122.57 | 2.04 | 489 | 488 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 603,364.67 | 3.11 |
| K11035-K11033 | 15 | 207 | 0.002 | 33.2 | 534,632.93 | 2.05 | 349.5 | 349 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,424,884.34 | 3.13 |
| E14001-F14061 | 15 | 302 | 0.01 | 14.2 | 212,310.90 | 2.04 | 438 | 435 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,917,545.14 | 6.34 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| D10079-D10077 | 8 | 257 | 0.016 | 14.4 | 41,471.30 | 2.05 | 461 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,151,466.32 | 5.94 |
| C06003-C06001 | 8 | 232 | 0.009 | 26.2 | 100,838.92 | 2.05 | 537 | 535 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 856,956.57 | 4.42 |
| G13079-G13077 | 10 | 320 | 0.006 | 26.2 | 166,334.94 | 2.04 | 382 | 380 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,322,983.77 | 4.09 |
| F20022-F20020 | 8 | 0 | 0.045 | 8.2 | 17,080.72 | 2.07 | 610.78 | 594.98 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,958,225.91 | 10.10 |
| F02161-F02158 | 8 | 360 | 0.006 | 22.2 | 76,388.39 | 1.62 | 542.29 | 540.18 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 703,680.83 | 3.63 |
| J11053-J11021 | 8 | 430 | 0.013 | 95.8 | 76,981.30 | 2.04 | 367 | 361.46 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,047,631.29 | 5.40 |
| D16005-D16003 | 15 | 299 | 0.013 | 11.9 | 147,111.51 | 2.03 | 486 | 482 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,706,707.34 | 7.36 |
| J08007-J08005 | 15 | 311 | 0.01 | 15.7 | 255,066.34 | 2.05 | 404 | 401 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,845,868.58 | 6.25 |
| C06095-C06093 | 8 | 287 | 0.087 | 3.8 | 6,118.78 | 2.06 | 592 | 567 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,724,061.22 | 14.05 |
| D11025-D11023 | 8 | 305 | 0.01 | 20.3 | 64,948.08 | 2.06 | 469.2 | 466 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 945,394.08 | 4.88 |
| D03105-D03103 | 8 | 345 | 0.017 | 17.4 | 72,023.19 | 2.05 | 605 | 599 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,217,177.41 | 6.28 |
| F06067-F06065 | 8 | 254 | 0.016 | 23.1 | 64,528.30 | 2.06 | 486 | 482 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,158,246.36 | 5.97 |
| F02158-F02157 | 8 | 300 | 0.006 | 29.1 | 76,377.88 | 1.62 | 540.18 | 539.36 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 722,008.54 | 3.72 |
| D06005-D06001 | 8 | 259 | 0.008 | 27.4 | 133,144.50 | 2.07 | 524 | 522 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 811,059.89 | 4.18 |
| K13063-K13061 | 12 | 163 | 0.006 | 21.4 | 169,277.08 | 2.07 | 338 | 337 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,131,428.14 | 4.12 |
| L14013-L13151 | 12 | 241 | 0.004 | 100 | 2,476,820.17 | 2.03 | 325 | 324 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,752,895.30 | 3.39 |
| D07123-D07121 | 8 | 212 | 0.014 | 16.8 | 58,430.86 | 2.07 | 482 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,097,944.79 | 5.66 |
| D06033-D06031 | 8 | 87 | 0.034 | 9.1 | 21,234.30 | 2.07 | 552 | 549 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,713,913.14 | 8.84 |
| D02019-D02015 | 12 | 356 | 0.006 | 15.2 | 102,134.41 | 1.5 | 600 | 598 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,039,644.59 | 3.94 |
| D03087-D03085 | 15 | 213 | 0.005 | 18.3 | 237,318.30 | 1.68 | 590 | 589 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,380,659.24 | 4.36 |
| J14027-J14025 | 8 | 251 | 0.008 | 24.9 | 111,034.40 | 2.08 | 345 | 343 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 823,883.76 | 4.25 |
| F10049-G10025 | 12 | 688 | 0.003 | 43 | 564,166.31 | 2.08 | 399 | 397 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,467,186.35 | 2.84 |
| D15077-D15075 | 8 | 87 | 0.161 | 3 | 3,737.73 | 2.1 | 576 | 562 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,702,475.55 | 19.10 |
| D04007-D04005 | 8 | 44 | 0.045 | 8.1 | 18,509.85 | 2.1 | 610 | 608 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,967,779.66 | 10.15 |
| E12045-E12043 | 12 | 226 | 0.004 | 40.4 | 619,510.88 | 2.07 | 418 | 417 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,810,132.14 | 3.50 |
| G09033-G09029 | 8 | 301 | 0.01 | 24.7 | 96,873.68 | 2.08 | 423 | 420 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 921,436.02 | 4.75 |
| C06099-C06097 | 8 | 343 | 0.102 | 3.3 | 4,998.08 | 2.1 | 646 | 611 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,948,321.02 | 15.21 |
| D04101-D04099 | 8 | 315 | 0.022 | 13 | 41,299.32 | 2.07 | 602 | 595 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,375,883.14 | 7.10 |
| H14001-J14035 | 8 | 277 | 0.014 | 15.7 | 55,576.58 | 2.09 | 355 | 351 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,109,118.42 | 5.72 |
| K13059-K13057 | 12 | 319 | 0.006 | 19.6 | 178,093.08 | 2.09 | 336 | 334 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,154,686.82 | 4.17 |
| F07099-F07085 | 10 | 265 | 0.008 | 25.2 | 201,766.82 | 2.09 | 477 | 475 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,453,806.38 | 4.50 |
| K10007-K10005 | 15 | 313 | 0.01 | 20.7 | 341,167.28 | 2.06 | 372 | 369 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,830,361.76 | 6.23 |
| D10037-D10029 | 8 | 237 | 0.013 | 15.7 | 55,164.10 | 2.1 | 455 | 452 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,038,422.91 | 5.36 |
| G13043-G13039 | 8 | 85 | 0.012 | 18.4 | 67,726.02 | 2.1 | 394 | 393 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,001,102.04 | 5.16 |
| H14011-H14009 | 8 | 183 | 0.016 | 14 | 45,661.67 | 2.11 | 370 | 367 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,181,742.60 | 6.09 |
| E14005-E14003 | 15 | 283 | 0.011 | 13.8 | 208,816.74 | 2.09 | 445 | 442 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,079,940.31 | 6.55 |
| E05049-E05107 | 8 | 263 | 0.008 | 28.5 | 142,384.26 | 2.11 | 543 | 541 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 804,868.50 | 4.15 |
| E10057-E10055 | 12 | 291 | 0.007 | 17.8 | 155,881.92 | 2.1 | 423 | 421 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,255,968.34 | 4.36 |
| E02027-E02025 | 8 | 207 | 0.012 | 0 | 0 | 0 | 588.03 | 585.57 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,006,167.27 | 5.19 |
| G09053-G09051 | 8 | 491 | 0.012 | 18.3 | 74,501.14 | 2.1 | 430 | 424 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,020,287.78 | 5.26 |
| K10003-K10001 | 15 | 207 | 0.01 | 19 | 347,219.13 | 2.07 | 368 | 366 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,849,768.68 | 6.25 |
| D09033-D09031 | 8 | 234 | 0.004 | 42.1 | 212,724.02 | 2.11 | 444 | 443 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 603,364.67 | 3.11 |
| K13057-K13055 | 12 | 319 | 0.006 | 23 | 185,395.21 | 2.11 | 334 | 332 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,154,686.82 | 4.17 |
| D16017-D16015 | 15 | 51 | 0.02 | 10.8 | 108,226.62 | 2.1 | 493 | 492 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 6,908,855.53 | 8.91 |
| F05161-F05159 | 8 | 243 | 0.399 | 2.6 | 1,363.96 | 2.08 | 593 | 496 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 5,831,369.18 | 30.07 |
| F16023-F16021 | 12 | 188 | 0.011 | 19.1 | 212,083.51 | 2.1 | 489 | 487 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,806,729.58 | 5.43 |
| E15059-E15057 | 8 | 121 | 0.017 | 16.8 | 72,928.63 | 2.11 | 460 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,186,615.78 | 6.12 |
| K13051-K13049 | 12 | 342 | 0.006 | 21.7 | 214,319.45 | 2.11 | 329 | 327 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,080,972.99 | 4.02 |
| E02023-E02021 | 8 | 190 | 0.012 | 0 | 0 | 0 | 582.98 | 580.75 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 999,915.82 | 5.16 |
| H12017-H12015 | 12 | 169 | 0.012 | 30.2 | 587,085.70 | 2.18 | 368 | 366 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,960,302.85 | 5.73 |
| E05105-E05103 | 8 | 262 | 0.008 | 32.8 | 152,244.20 | 2.12 | 538 | 536 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 806,403.05 | 4.16 |
| E05101-E05095 | 8 | 270 | 0.007 | 43.8 | 165,253.70 | 2.12 | 535 | 533 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 794,366.50 | 4.10 |
| J14035-J14033 | 8 | 217 | 0.014 | 19.2 | 61,118.83 | 2.12 | 351 | 348 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,085,221.95 | 5.60 |
| D05005-D05003 | 8 | 331 | 0.021 | 14.2 | 38,968.62 | 2.13 | 570 | 563 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,342,217.29 | 6.92 |
| K12037-K12035 | 8 | 281 | 0.014 | 30.6 | 60,201.01 | 2.12 | 345 | 341 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,101,196.04 | 5.68 |
| K13037-K13035 | 21 | 333 | 0.003 | 23.4 | 795,712.27 | 2.12 | 323 | 322 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 6,631,989.72 | 4.28 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| E05095-E05089 | 10 | 248 | 0.004 | 45.3 | 447,909.35 | 2.13 | 533 | 532 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,062,646.14 | 3.29 |
| F02169-F02167 | 8 | 82 | 0.027 | 14.4 | 21,630.69 | 1.97 | 547.13 | 544.63 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,513,269.70 | 7.80 |
| J14015-J14013 | 10 | 249 | 0.008 | 22.1 | 142,238.21 | 2.13 | 333 | 331 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,499,787.86 | 4.64 |
| D02051-D02019 | 10 | 315 | 0.006 | 16.6 | 63,418.43 | 1.38 | 602 | 600 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,333,442.30 | 4.13 |
| G12095-G12093 | 12 | 133 | 0.008 | 19.7 | 176,517.05 | 2.13 | 379 | 378 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,359,601.58 | 4.56 |
| D15007-D15005 | 8 | 12 | 0.027 | 12.7 | 36,482.36 | 2.13 | 477.32 | 477 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,507,204.47 | 7.77 |
| D06109-D06107 | 8 | 290 | 0.017 | 14.1 | 51,596.74 | 2.14 | 526 | 521 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,211,919.60 | 6.25 |
| D06119-E06021 | 8 | 331 | 0.012 | 18.8 | 75,912.46 | 2.14 | 522 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,014,620.90 | 5.23 |
| K11047-K11035 | 15 | 177 | 0.003 | 30.9 | 512,120.00 | 2.15 | 350 | 349.5 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,622,343.43 | 3.38 |
| C06029-C06027 | 8 | 256 | 0.043 | 7.7 | 17,049.28 | 2.14 | 567 | 556 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,913,216.72 | 9.87 |
| K13053-K13051 | 12 | 341 | 0.006 | 21.8 | 216,821.17 | 2.14 | 331 | 329 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,084,022.03 | 4.03 |
| D08055-D08053 | 12 | 142 | 0.035 | 7.6 | 43,261.00 | 2.12 | 483 | 478 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 5,106,288.26 | 9.88 |
| E15015-E15013 | 15 | 325 | 0.012 | 14 | 198,201.22 | 2.13 | 469 | 465 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,473,681.39 | 7.06 |
| D03055-D03009 | 15 | 190 | 0.005 | 18 | 253,314.04 | 1.76 | 587 | 586 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,579,434.33 | 4.62 |
| E06021-E06009 | 8 | 334 | 0.012 | 24.1 | 80,382.67 | 2.15 | 518 | 514 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,010,053.95 | 5.21 |
| D10013-D10011 | 12 | 336 | 0.002 | 84.2 | 1,137,736.19 | 2.17 | 433 | 432.46 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,090,917.07 | 2.11 |
| C06007-C06005 | 8 | 329 | 0.036 | 10.1 | 21,717.75 | 2.16 | 552 | 540 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,762,708.43 | 9.09 |
| J12023-J12007 | 30 | 23 | 0.012 | 13.7 | 453,181.29 | 2.13 | 358.09 | 357.81 | Vitrified Clay Pipe-Circular-30 inch | 4.9 | 34,566,304.56 | 10.91 |
| D09035-D09033 | 8 | 309 | 0.006 | 35.1 | 137,879.37 | 2.16 | 446 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 742,546.35 | 3.83 |
| D02015-D02013 | 12 | 313 | 0.006 | 15.8 | 105,362.97 | 1.57 | 598 | 596 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,175,240.73 | 4.21 |
| D05001-D06059 | 8 | 348 | 0.011 | 21 | 85,656.51 | 2.15 | 561 | 557 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 989,528.21 | 5.10 |
| F03137-F03089 | 15 | 182 | 0.005 | 12.7 | 125,777.56 | 1.5 | 527 | 526 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,657,257.22 | 4.72 |
| D02003-D03099 | 15 | 175 | 0.006 | 16.2 | 162,993.49 | 1.66 | 593 | 592 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,729,685.18 | 4.81 |
| D06143-D06141 | 8 | 16 | 0.012 | 19.2 | 70,786.06 | 2.16 | 503.5 | 503.3 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,031,912.36 | 5.32 |
| F18035-F18033 | 12 | 184 | 0.016 | 11.5 | 87,501.42 | 2.16 | 549 | 546 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,474,691.20 | 6.72 |
| F19011-F19010 | 12 | 204 | 0.031 | 8.1 | 38,149.88 | 2.15 | 570.27 | 563.97 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 4,770,433.46 | 9.23 |
| E10053-E10051 | 12 | 274 | 0.007 | 20.5 | 168,901.18 | 2.16 | 418 | 416 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,324,899.66 | 4.50 |
| J08005-J08003 | 15 | 291 | 0.01 | 16.7 | 270,307.62 | 2.14 | 401 | 398 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,009,626.32 | 6.46 |
| K11025-K11023 | 15 | 317 | 0.003 | 29.5 | 525,128.22 | 2.17 | 347 | 346 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,771,159.79 | 3.57 |
| E15001-E14021 | 15 | 228 | 0.009 | 19.8 | 285,276.15 | 2.16 | 455 | 453 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,621,029.85 | 5.96 |
| D02055-D02053 | 8 | 125 | 0.024 | 17.3 | 47,868.85 | 2.14 | 606 | 603 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,429,859.71 | 7.37 |
| D06111-D06109 | 8 | 291 | 0.021 | 13.3 | 44,825.37 | 2.19 | 532 | 526 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,325,308.36 | 6.84 |
| G04089-G04087 | 8 | 253 | 0.008 | 33 | 173,462.40 | 2.12 | 495 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 820,620.84 | 4.23 |
| K12033-K12031 | 15 | 286 | 0.003 | 34.1 | 654,683.02 | 2.17 | 340 | 339.2 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,609,475.22 | 3.36 |
| D12039-D12037 | 8 | 96 | 0.01 | 22.3 | 102,724.06 | 2.19 | 447 | 446 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 942,002.79 | 4.86 |
| K15033-K15021 | 8 | 31 | 0.008 | 30.5 | 130,798.41 | 2.18 | 314.25 | 314 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 828,851.95 | 4.27 |
| F11041-F11001 | 8 | 353 | 0.014 | 63.6 | 61,351.12 | 2.19 | 389 | 384.15 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,081,860.65 | 5.58 |
| D08025-D08023 | 10 | 59 | 0.003 | 61.3 | 623,133.63 | 2.19 | 478.32 | 478.15 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 898,282.55 | 2.78 |
| D11007-D11005 | 8 | 251 | 0.008 | 24.3 | 106,511.94 | 2.18 | 446 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 823,883.76 | 4.25 |
| D06061-D06059 | 8 | 248 | 0.016 | 18.7 | 60,293.95 | 2.19 | 561 | 557 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,172,173.67 | 6.05 |
| D12025-D12023 | 8 | 433 | 0.009 | 25.9 | 130,818.54 | 2.2 | 432 | 428 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 887,102.61 | 4.58 |
| D03107-D03105 | 8 | 351 | 0.02 | 16.2 | 72,189.31 | 2.18 | 612 | 605 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,303,416.66 | 6.72 |
| K13039-K13037 | 21 | 315 | 0.003 | 23.2 | 797,641.68 | 2.18 | 324 | 323 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 6,818,842.89 | 4.40 |
| D13101-D13099 | 8 | 289 | 0.166 | 4 | 4,413.68 | 2.21 | 505 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,761,486.47 | 19.40 |
| G13085-G13083 | 10 | 116 | 0.009 | 23.6 | 148,070.64 | 2.18 | 384 | 383 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,553,765.64 | 4.81 |
| J14021-J14019 | 8 | 130 | 0.008 | 28.6 | 144,213.64 | 2.19 | 339 | 338 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 809,498.65 | 4.17 |
| E08045-E08043 | 15 | 306 | 0.006 | 19.5 | 309,532.83 | 2.2 | 459 | 457.25 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,731,208.43 | 4.81 |
| E06053-E06041 | 10 | 302 | 0.01 | 19.1 | 126,286.89 | 2.21 | 505 | 502 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,667,906.36 | 5.16 |
| E13029-E13027 | 12 | 199 | 0.005 | 35.2 | 512,544.29 | 2.2 | 430 | 429 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,929,025.46 | 3.73 |
| F16029-F16027 | 12 | 54 | 0.019 | 15.6 | 147,143.32 | 2.19 | 492 | 491 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,703,118.57 | 7.16 |
| E03241-E03239 | 12 | 241 | 0.008 | 3.7 | 1,671.34 | 0.54 | 559 | 557 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,478,968.31 | 4.79 |
| F14105-F14103 | 12 | 212 | 0.009 | 22.6 | 295,978.86 | 2.19 | 434 | 432 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,643,087.65 | 5.11 |
| E16005-E16003 | 15 | 34 | 0.015 | 12.7 | 174,306.90 | 2.2 | 477.5 | 477 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,983,244.40 | 7.71 |
| E02021-E02019 | 8 | 187 | 0.012 | 0 | 0 | 0 | 580.75 | 578.53 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,005,642.20 | 5.19 |
| C10027-C10025 | 8 | 76 | 0.013 | 17.3 | 65,991.45 | 2.22 | 509 | 508 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,058,719.74 | 5.46 |
| D06131-D06125 | 8 | 329 | 0.018 | 14.9 | 50,387.79 | 2.22 | 534 | 528 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,246,423.08 | 6.43 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| F08105-F08103 | 12 | 106 | 0.005 | 36.4 | 490,492.25 | 2.2 | 451.5 | 451 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,868,945.20 | 3.61 |
| D09077-D09075 | 8 | 69 | 0.014 | 17.8 | 55,427.01 | 2.22 | 452 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,111,125.88 | 5.73 |
| F14113-F14111 | 12 | 205 | 0.01 | 21.9 | 282,536.98 | 2.2 | 446 | 444 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,687,834.76 | 5.20 |
| K11049-K11047 | 15 | 327 | 0.003 | 29.7 | 512,444.17 | 2.22 | 351 | 350 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,728,458.31 | 3.52 |
| J14019-J14017 | 8 | 250 | 0.008 | 28.2 | 143,349.46 | 2.21 | 338 | 336 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 825,529.89 | 4.26 |
| F05105-F05103 | 15 | 314 | 0.006 | 15.1 | 194,913.30 | 1.7 | 506 | 504 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,937,688.64 | 5.08 |
| E04073-E04071 | 8 | 387 | 0.013 | 28 | 109,229.53 | 2.21 | 550 | 545 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,049,101.06 | 5.41 |
| E07063-E07061 | 8 | 258 | 0.012 | 20.9 | 95,477.02 | 2.22 | 489 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 995,264.66 | 5.13 |
| F14103-F14081 | 12 | 205 | 0.01 | 22.6 | 296,859.92 | 2.21 | 432 | 430 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,687,834.76 | 5.20 |
| E07055-E08061 | 8 | 357 | 0.011 | 22.9 | 110,769.69 | 2.23 | 473.91 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 965,922.04 | 4.98 |
| D15071-D15069 | 8 | 144 | 0.125 | 4.4 | 6,444.85 | 2.25 | 508 | 490 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,263,193.40 | 16.83 |
| J06075-J06067 | 10 | 268 | 0.034 | 9.5 | 30,414.56 | 2.23 | 426.53 | 417.47 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 3,076,884.62 | 9.52 |
| D14085-D14083 | 10 | 266 | 0.023 | 11.2 | 61,344.66 | 2.26 | 451 | 445 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,513,328.84 | 7.78 |
| G08067-G08065 | 12 | 41 | 0.005 | 43.1 | 569,847.44 | 2.23 | 441.7 | 441.5 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,900,586.18 | 3.68 |
| F03145-F03143 | 15 | 180 | 0.006 | 13.4 | 125,307.80 | 1.57 | 531 | 530 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,677,519.18 | 4.74 |
| D12023-E12059 | 8 | 404 | 0.01 | 26 | 134,644.81 | 2.24 | 428 | 424 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 918,389.95 | 4.74 |
| D05103-D05101 | 8 | 278 | 0.022 | 13.5 | 43,801.29 | 2.23 | 540 | 534 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,355,941.75 | 6.99 |
| E12059-E12057 | 8 | 398 | 0.01 | 26.1 | 137,826.35 | 2.24 | 424 | 420 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 925,286.59 | 4.77 |
| D10083-D10081 | 8 | 347 | 0.027 | 10.1 | 28,280.15 | 2.22 | 479 | 469.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,527,161.17 | 7.88 |
| D09031-D09015 | 8 | 428 | 0.005 | 51.1 | 244,949.86 | 2.27 | 443 | 441 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 630,929.63 | 3.25 |
| E10045-F10073 | 12 | 405 | 0.005 | 31.6 | 309,353.24 | 2.25 | 408 | 406 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,912,282.21 | 3.70 |
| E12039-E12045 | 12 | 182 | 0.005 | 39.2 | 619,418.93 | 2.25 | 419 | 418 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,017,106.38 | 3.90 |
| D10011-D10009 | 12 | 361 | 0.002 | 81.8 | 1,161,588.94 | 2.27 | 432.46 | 431.8 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,163,544.14 | 2.25 |
| F07081-F07079 | 12 | 261 | 0.008 | 22.9 | 273,889.01 | 2.25 | 471 | 469 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,382,095.90 | 4.61 |
| F14055-F14053 | 15 | 14 | 0.014 | 17.8 | 214,109.58 | 2.24 | 427.2 | 427 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,897,150.06 | 7.60 |
| D11045-D11043 | 8 | 208 | 0.035 | 7.8 | 21,144.35 | 2.26 | 492.05 | 484.82 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,720,779.76 | 8.87 |
| E15009-E15007 | 15 | 289 | 0.01 | 15.8 | 263,315.24 | 2.24 | 461 | 458 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,026,930.78 | 6.48 |
| E09035-E09019 | 15 | 31 | 0.003 | 42.6 | 1,005,656.03 | 2.26 | 437.73 | 437.64 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,658,469.04 | 3.43 |
| F16015-F16013 | 12 | 244 | 0.012 | 18.6 | 227,625.64 | 2.25 | 483 | 480 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,017,381.42 | 5.84 |
| D13039-D13037 | 10 | 215 | 0.014 | 19.6 | 125,253.77 | 2.26 | 439 | 436 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,976,768.93 | 6.12 |
| F04145-F04141 | 15 | 320 | 0.006 | 14.6 | 179,798.13 | 1.71 | 520 | 518 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,900,598.13 | 5.03 |
| F16035-F16033 | 12 | 269 | 0.019 | 13.6 | 147,366.02 | 2.25 | 503 | 498 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,709,995.31 | 7.18 |
| E04069-E04047 | 10 | 326 | 0.009 | 24.5 | 211,760.61 | 2.26 | 543 | 540 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,605,337.45 | 4.97 |
| D06107-D06105 | 8 | 284 | 0.021 | 14.5 | 51,176.75 | 2.26 | 521 | 515 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,341,541.96 | 6.92 |
| F10071-F10069 | 12 | 567 | 0.004 | 37.8 | 490,889.78 | 2.27 | 404 | 402 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,616,173.44 | 3.13 |
| K12055-K12053 | 8 | 217 | 0.055 | 10 | 15,877.26 | 2.27 | 359 | 347 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,170,443.89 | 11.19 |
| K12021-K12019 | 15 | 349 | 0.003 | 37.8 | 800,939.13 | 2.27 | 337 | 336 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,641,061.33 | 3.41 |
| G15045-G15043 | 8 | 219 | 0.087 | 3.8 | 6,535.17 | 2.22 | 483 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,718,582.71 | 14.02 |
| G12005-G12003 | 15 | 453 | 0.011 | 17.8 | 189,275.29 | 2.25 | 377 | 372 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,183,547.71 | 6.68 |
| G05097-G05095 | 12 | 350 | 0.009 | 24.7 | 247,203.58 | 2.23 | 485 | 482 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,519,365.07 | 4.87 |
| K12057-K12055 | 8 | 34 | 0.059 | 6.1 | 15,901.06 | 2.33 | 361 | 359 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,238,532.20 | 11.55 |
| E07059-E07057 | 8 | 236 | 0.013 | 21.1 | 96,762.98 | 2.29 | 482 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,040,620.63 | 5.37 |
| F13067-F13065 | 15 | 177 | 0.006 | 28.2 | 644,427.99 | 2.27 | 410 | 409 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,708,553.65 | 4.78 |
| F10073-F10071 | 12 | 543 | 0.004 | 36.9 | 459,104.90 | 2.28 | 406 | 404 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,651,503.81 | 3.19 |
| E10047-E10045 | 12 | 404 | 0.005 | 27.2 | 309,780.62 | 2.28 | 410 | 408 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,914,647.43 | 3.70 |
| D11043-D11041 | 8 | 76 | 0.037 | 8.8 | 21,058.48 | 2.29 | 484.82 | 482.03 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,768,410.61 | 9.12 |
| E12047-E12011 | 8 | 97 | 0.01 | 44.7 | 157,447.41 | 2.29 | 414 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 937,134.53 | 4.83 |
| E07015-E07013 | 12 | 47 | 0.021 | 9.8 | 61,076.36 | 2.26 | 482 | 481 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,969,315.03 | 7.68 |
| E15007-E15003 | 15 | 196 | 0.01 | 18.1 | 279,209.71 | 2.28 | 458 | 456 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,984,001.47 | 6.43 |
| F12107-F12105 | 18 | 269 | 0.004 | 33.4 | 1,171,736.56 | 2.27 | 400 | 399 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 4,891,758.96 | 4.20 |
| E06017-E06011 | 8 | 310 | 0.013 | 20.9 | 92,809.15 | 2.28 | 522 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,048,424.00 | 5.41 |
| F12105-F12095 | 18 | 268 | 0.004 | 33.6 | 1,186,516.56 | 2.27 | 399 | 398 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 4,900,876.87 | 4.21 |
| E12057-E12049 | 8 | 371 | 0.011 | 28.2 | 140,682.52 | 2.29 | 420 | 416 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 958,364.79 | 4.94 |
| G08071-G08069 | 12 | 195 | 0.005 | 44.9 | 565,891.93 | 2.28 | 443 | 442 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,948,709.90 | 3.77 |
| C10007-D10093 | 8 | 240 | 0.017 | 16.8 | 51,181.52 | 2.29 | 465 | 461 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,191,549.76 | 6.15 |
| F12083-F12081 | 21 | 255 | 0.004 | 29.8 | 1,231,760.78 | 2.28 | 397 | 396 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 7,578,720.15 | 4.89 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| K12067-K12065 | 12 | 309 | 0.01 | 15.1 | 132,292.28 | 2.29 | 348 | 345 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,681,302.95 | 5.19 |
| E15013-E15009 | 15 | 363 | 0.011 | 15.3 | 254,963.77 | 2.28 | 465 | 461 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,179,262.02 | 6.68 |
| C10025-C10023 | 8 | 150 | 0.013 | 17.8 | 73,340.64 | 2.3 | 508 | 506 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,065,754.50 | 5.50 |
| D10113-D10015 | 8 | 84 | 0.023 | 59 | 35,802.81 | 2.3 | 435.72 | 433.78 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,402,649.07 | 7.23 |
| D09021-D09019 | 8 | 359 | 0.006 | 38.8 | 219,759.97 | 2.31 | 449 | 447 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 688,899.04 | 3.55 |
| E09077-E09075 | 15 | 311 | 0.003 | 43.6 | 1,016,795.48 | 2.29 | 424 | 423 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,797,763.53 | 3.61 |
| F10013-F10011 | 24 | 363 | 0.003 | 32 | 2,013,929.34 | 2.28 | 414 | 413 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 9,068,967.40 | 4.53 |
| F16033-F16031 | 12 | 251 | 0.02 | 17 | 147,298.40 | 2.29 | 498 | 493 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,840,719.93 | 7.43 |
| F02162-F02161 | 8 | 208 | 0.014 | 11.1 | 0 | 0 | 545.19 | 542.29 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,087,210.56 | 5.61 |
| D10081-D10079 | 8 | 341 | 0.025 | 11.9 | 35,648.41 | 2.32 | 469.5 | 461 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,457,203.08 | 7.52 |
| E10049-E10047 | 12 | 509 | 0.006 | 25.6 | 263,795.86 | 2.32 | 413 | 410 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,089,133.70 | 4.04 |
| H07009-H07007 | 15 | 308 | 0.014 | 14.7 | 222,981.92 | 2.31 | 435.26 | 431 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,802,573.37 | 7.48 |
| E10051-E10049 | 12 | 489 | 0.006 | 23.4 | 243,242.98 | 2.32 | 416 | 413 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,131,428.14 | 4.12 |
| E14003-E14001 | 15 | 284 | 0.014 | 13.6 | 210,728.06 | 2.31 | 442 | 438 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,855,473.57 | 7.55 |
| F12095-F12083 | 18 | 259 | 0.004 | 33.6 | 1,215,313.87 | 2.31 | 398 | 397 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 4,985,300.10 | 4.29 |
| D05125-D05123 | 15 | 343 | 0.006 | 21.8 | 392,266.76 | 2.04 | 564 | 562 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,767,550.98 | 4.86 |
| E04045-E05095 | 10 | 336 | 0.009 | 35.9 | 243,509.47 | 2.32 | 536 | 533 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,581,268.05 | 4.89 |
| F15101-F15099 | 12 | 248 | 0.012 | 19.8 | 255,836.79 | 2.31 | 467 | 464 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,992,948.78 | 5.79 |
| E05031-E05029 | 18 | 325 | 0.003 | 32.3 | 1,005,082.95 | 2.23 | 520 | 519 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 4,450,404.73 | 3.83 |
| D10071-D10023 | 10 | 332 | 0.003 | 100 | 581,090.91 | 2.34 | 437 | 436 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 918,428.74 | 2.84 |
| G09051-G09041 | 8 | 183 | 0.016 | 18.3 | 77,102.73 | 2.32 | 424 | 421 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,181,742.60 | 6.09 |
| J14101-J14099 | 8 | 252 | 0.024 | 16.5 | 45,315.59 | 2.35 | 346 | 340 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,424,174.36 | 7.35 |
| H10013-H10011 | 12 | 465 | 0.008 | 25.2 | 270,574.36 | 2.33 | 391.5 | 388 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,360,869.84 | 4.57 |
| J08009-J08007 | 15 | 295 | 0.014 | 15 | 255,413.48 | 2.33 | 408 | 404 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,745,266.61 | 7.41 |
| F05069-F05039 | 21 | 386 | 0.003 | 34.3 | 1,562,940.42 | 2.27 | 502 | 501 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 6,159,880.81 | 3.97 |
| J11029-J11027 | 15 | 176 | 0.006 | 24.3 | 482,724.88 | 2.33 | 376 | 375 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,719,074.39 | 4.80 |
| D04069-D04063 | 15 | 350 | 0.006 | 21.5 | 378,590.77 | 2.05 | 571 | 569 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,729,685.18 | 4.81 |
| F15097-F15095 | 12 | 247 | 0.012 | 20 | 262,380.55 | 2.33 | 460 | 457 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,999,001.26 | 5.80 |
| G13095-G13093 | 10 | 102 | 0.01 | 20.2 | 147,925.58 | 2.33 | 389 | 388 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,656,969.15 | 5.13 |
| D04081-D04079 | 8 | 286 | 0.021 | 15.3 | 68,045.66 | 2.34 | 586 | 580 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,336,843.03 | 6.89 |
| D09013-D10071 | 10 | 329 | 0.003 | 83.9 | 574,692.35 | 2.36 | 438 | 437 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 922,606.61 | 2.85 |
| D04033-D04031 | 12 | 279 | 0.025 | 9.5 | 74,545.39 | 2.35 | 614 | 607 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 4,310,338.89 | 8.34 |
| E12003-E12001 | 18 | 249 | 0.004 | 32.3 | 1,149,258.34 | 2.34 | 403 | 402 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 5,084,421.13 | 4.37 |
| F04135-F05113 | 15 | 270 | 0.007 | 15.1 | 181,977.08 | 1.77 | 511 | 509 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,246,433.38 | 5.48 |
| D04027-D04025 | 12 | 275 | 0.022 | 10.2 | 86,980.48 | 2.35 | 600 | 594 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 4,019,516.13 | 7.77 |
| D15003-E15021 | 8 | 296 | 0.027 | 15.2 | 50,152.82 | 2.37 | 475 | 467 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,517,354.11 | 7.83 |
| D09051-D09049 | 8 | 104 | 0.115 | 5.5 | 6,039.19 | 2.37 | 467.4 | 455.4 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,135,174.81 | 16.17 |
| E06011-E06009 | 8 | 318 | 0.013 | 25.4 | 107,597.54 | 2.36 | 518 | 514 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,035,152.28 | 5.34 |
| D10025-D10023 | 8 | 331 | 0.009 | 100 | 128,832.68 | 2.37 | 439 | 436 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 878,687.48 | 4.53 |
| F02100-F02099 | 8 | 262 | 0.01 | 20.5 | 75,206.87 | 1.84 | 537.25 | 534.63 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 919,467.73 | 4.74 |
| E08073-E08045 | 8 | 336 | 0.018 | 26.4 | 70,256.04 | 2.36 | 465 | 459 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,233,371.17 | 6.36 |
| E05011-E05001 | 8 | 291 | 0.021 | 18.3 | 57,741.96 | 2.37 | 530 | 524 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,325,308.36 | 6.84 |
| D03061-D03055 | 15 | 145 | 0.007 | 17.4 | 250,372.04 | 1.93 | 588 | 587 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,097,389.01 | 5.28 |
| G09023-G09021 | 8 | 275 | 0.007 | 39.5 | 218,531.46 | 2.36 | 418 | 416 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 787,111.86 | 4.06 |
| E05051-E05049 | 8 | 271 | 0.011 | 26.7 | 132,186.79 | 2.37 | 546 | 543 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 971,099.63 | 5.01 |
| E14021-E14071 | 8 | 246 | 0.008 | 42.6 | 314,735.76 | 2.36 | 453 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 832,214.45 | 4.29 |
| C05017-C05015 | 8 | 198 | 0.066 | 6.2 | 15,587.61 | 2.35 | 660 | 647 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,364,976.82 | 12.20 |
| G15043-G15041 | 8 | 174 | 0.086 | 4.1 | 8,273.32 | 2.42 | 464 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,709,934.62 | 13.98 |
| D05123-D05121 | 15 | 321 | 0.006 | 21.7 | 400,884.16 | 2.09 | 562 | 560 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,894,517.69 | 5.02 |
| D05057-D05055 | 15 | 184 | 0.016 | 10.3 | 138,735.15 | 2.38 | 587 | 584 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 6,300,034.32 | 8.12 |
| F04147-F04145 | 15 | 143 | 0.008 | 13.1 | 126,876.11 | 1.61 | 521.2 | 520 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,519,743.65 | 5.83 |
| C10017-D10131 | 8 | 336 | 0.012 | 20.9 | 96,692.13 | 2.39 | 494 | 490 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,007,043.35 | 5.19 |
| K13065-K13063 | 12 | 109 | 0.009 | 18.2 | 170,097.17 | 2.39 | 339 | 338 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,606,461.11 | 5.04 |
| D06125-D06119 | 8 | 340 | 0.018 | 17.3 | 68,871.44 | 2.39 | 528 | 522 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,226,094.58 | 6.32 |
| J12013-J12011 | 21 | 53 | 0.006 | 24.3 | 791,786.34 | 2.09 | 359 | 358.68 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 9,403,792.02 | 6.06 |
| D10021-D10015 | 12 | 300 | 0.002 | 70.8 | 1,063,846.37 | 2.41 | 434.43 | 433.78 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,266,661.44 | 2.45 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| J14031-J14029 | 8 | 54 | 0.019 | 21.8 | 66,486.56 | 2.38 | 347 | 346 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,256,003.72 | 6.48 |
| E03235-F03161 | 12 | 297 | 0.01 | 6.2 | 20,575.49 | 1.18 | 552 | 549 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,734,934.32 | 5.29 |
| E08061-E08059 | 8 | 364 | 0.014 | 28.5 | 111,094.13 | 2.4 | 470 | 465 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,081,738.08 | 5.58 |
| D04063-D04061 | 15 | 320 | 0.006 | 21.1 | 380,779.10 | 2.1 | 569 | 567 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,900,598.13 | 5.03 |
| E14065-E14063 | 8 | 264 | 0.008 | 46.4 | 353,701.44 | 2.4 | 443 | 441 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 803,342.68 | 4.14 |
| G09041-G09039 | 8 | 66 | 0.015 | 23 | 93,017.53 | 2.39 | 421 | 420 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,136,098.12 | 5.86 |
| D09065-D10111 | 12 | 338 | 0.006 | 29.8 | 271,978.08 | 2.41 | 437 | 435 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,093,250.22 | 4.05 |
| F09045-F09015 | 18 | 443 | 0.005 | 28.2 | 933,901.10 | 2.39 | 427 | 425 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 5,390,813.70 | 4.63 |
| E03237-E03235 | 12 | 299 | 0.01 | 6.2 | 20,698.07 | 1.2 | 555 | 552 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,725,772.03 | 5.27 |
| D09043-D09041 | 8 | 95 | 0.011 | 22.6 | 105,604.27 | 2.42 | 449 | 448 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 946,947.72 | 4.88 |
| K12069-K12067 | 8 | 183 | 0.011 | 23.2 | 114,218.45 | 2.42 | 350 | 348 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 964,888.79 | 4.98 |
| G04091-G04089 | 8 | 286 | 0.01 | 30.1 | 173,246.04 | 2.36 | 498 | 495 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 945,290.77 | 4.88 |
| E15057-E15029 | 8 | 418 | 0.022 | 25.7 | 82,028.19 | 2.41 | 458 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,354,318.84 | 6.98 |
| D12035-D12033 | 8 | 282 | 0.014 | 23 | 102,618.76 | 2.43 | 440 | 436 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,099,241.84 | 5.67 |
| D04029-D04027 | 12 | 170 | 0.024 | 10.1 | 85,829.53 | 2.39 | 604 | 600 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 4,174,169.04 | 8.07 |
| J12059-J12053 | 10 | 76 | 0.026 | 36.1 | 87,626.64 | 2.44 | 361 | 359 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,714,705.42 | 8.40 |
| D04037-D04035 | 12 | 298 | 0.027 | 8.9 | 72,618.39 | 2.42 | 631 | 623 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 4,458,629.24 | 8.62 |
| D08001-E08005 | 15 | 310 | 0.003 | 41.2 | 994,017.47 | 2.42 | 451 | 450 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,802,272.42 | 3.61 |
| E05107-E05105 | 8 | 264 | 0.011 | 27.8 | 147,013.30 | 2.43 | 541 | 538 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 983,889.83 | 5.07 |
| K12019-K13047 | 15 | 283 | 0.004 | 35.7 | 798,745.84 | 2.42 | 336 | 335 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,932,904.90 | 3.78 |
| D10075-D10073 | 8 | 340 | 0.009 | 27.6 | 144,371.50 | 2.43 | 456 | 453 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 866,979.79 | 4.47 |
| F04137-F04135 | 15 | 252 | 0.008 | 14 | 181,757.20 | 1.83 | 513 | 511 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,395,476.14 | 5.67 |
| F04141-F04139 | 15 | 258 | 0.008 | 13.9 | 180,656.24 | 1.83 | 518 | 516 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,344,065.29 | 5.60 |
| E07057-E07055 | 8 | 370 | 0.014 | 22.2 | 110,436.86 | 2.43 | 479 | 473.91 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,082,544.70 | 5.58 |
| D11027-D11025 | 8 | 220 | 0.021 | 15.5 | 49,452.63 | 2.44 | 473.8 | 469.2 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,334,613.10 | 6.88 |
| E12011-E12009 | 15 | 574 | 0.005 | 32.9 | 836,227.26 | 2.42 | 413 | 410 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,566,940.63 | 4.60 |
| G10011-G10009 | 24 | 567 | 0.004 | 30.2 | 2,030,560.24 | 2.41 | 406 | 404 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 10,262,061.70 | 5.12 |
| F15119-F15117 | 12 | 195 | 0.015 | 17.7 | 231,413.00 | 2.42 | 473 | 470 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,375,264.56 | 6.53 |
| F12065-F11017 | 24 | 276 | 0.004 | 29.5 | 1,973,356.87 | 2.43 | 394 | 393 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 10,400,557.33 | 5.19 |
| F16013-F15121 | 12 | 257 | 0.016 | 17.6 | 228,877.63 | 2.44 | 480 | 476 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,394,907.39 | 6.57 |
| H11033-H11025 | 39 | 154 | 0.001 | 44.8 | 9,164,894.87 | 2.4 | 369.19 | 369 | Vitrified Clay Pipe-Circular-39 inch | 8.3 | 22,151,504.79 | 4.13 |
| G08059-G08057 | 12 | 82 | 0.006 | 36.3 | 598,942.38 | 2.44 | 440 | 439.5 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,124,919.95 | 4.11 |
| F15121-F15119 | 12 | 193 | 0.016 | 17.7 | 230,132.42 | 2.43 | 476 | 473 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,392,707.91 | 6.56 |
| D08033-D08031 | 10 | 148 | 0.007 | 31.2 | 291,344.37 | 2.45 | 470 | 469 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,375,573.03 | 4.26 |
| D09045-D09043 | 8 | 91 | 0.011 | 22.4 | 105,776.42 | 2.46 | 450 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 967,535.95 | 4.99 |
| F07065-F07063 | 12 | 334 | 0.009 | 23.5 | 313,427.06 | 2.45 | 463 | 460 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,579,003.27 | 4.99 |
| F07063-F08111 | 12 | 328 | 0.009 | 23.5 | 315,281.58 | 2.45 | 460 | 457 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,602,484.81 | 5.03 |
| F03153-F03151 | 12 | 259 | 0.012 | 7.8 | 26,722.00 | 1.3 | 537 | 534 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,928,702.40 | 5.66 |
| D04031-D04029 | 12 | 121 | 0.025 | 9.9 | 85,272.02 | 2.43 | 607 | 604 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 4,284,818.60 | 8.29 |
| H12009-H12007 | 8 | 145 | 0.007 | 49.4 | 375,129.36 | 2.45 | 366 | 365 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 766,485.26 | 3.95 |
| F05073-F05071 | 21 | 342 | 0.003 | 33.1 | 1,550,564.21 | 2.39 | 504 | 503 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 6,544,144.92 | 4.22 |
| J14023-J14021 | 8 | 164 | 0.012 | 26 | 123,356.53 | 2.46 | 341 | 339 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,019,250.38 | 5.26 |
| F10011-F10005 | 24 | 292 | 0.003 | 30.3 | 2,013,831.96 | 2.44 | 413 | 412 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 10,111,596.42 | 5.05 |
| F10001-G10011 | 24 | 558 | 0.004 | 30.1 | 2,022,866.79 | 2.44 | 408 | 406 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 10,344,489.22 | 5.16 |
| F15117-F15101 | 12 | 186 | 0.016 | 18.7 | 232,351.70 | 2.46 | 470 | 467 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,455,959.57 | 6.68 |
| D03083-D03107 | 8 | 286 | 0.028 | 15.4 | 72,354.27 | 2.48 | 620 | 612 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,543,653.37 | 7.96 |
| F03155-F03153 | 12 | 261 | 0.011 | 6.7 | 26,499.46 | 1.31 | 540 | 537 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,917,459.74 | 5.64 |
| D10015-D10013 | 12 | 336 | 0.002 | 79 | 1,125,945.62 | 2.5 | 433.78 | 433 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,311,119.15 | 2.54 |
| H12035-H12033 | 12 | 92 | 0.022 | 9.4 | 73,039.43 | 2.47 | 362 | 360 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 4,012,227.79 | 7.76 |
| C04039-C04037 | 8 | 296 | 0.05 | 8.3 | 29,294.59 | 2.49 | 740.51 | 725.61 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,070,785.36 | 10.68 |
| D17015-D17013 | 15 | 58 | 0.034 | 9.4 | 98,343.22 | 2.47 | 499 | 497 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 9,162,040.36 | 11.81 |
| J14017-J14015 | 10 | 246 | 0.012 | 19.8 | 142,503.96 | 2.48 | 336 | 333 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,848,023.90 | 5.72 |
| E05053-E05051 | 8 | 260 | 0.015 | 22.5 | 100,671.77 | 2.49 | 550 | 546 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,144,803.98 | 5.90 |
| D08021-D08019 | 10 | 247 | 0.004 | 56.2 | 644,963.08 | 2.49 | 476 | 475 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,064,795.07 | 3.29 |
| D02013-D02011 | 12 | 246 | 0.008 | 18.2 | 146,323.97 | 1.88 | 596 | 594 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,453,646.21 | 4.75 |
| D07105-D07103 | 8 | 277 | 0.018 | 18.1 | 82,750.48 | 2.5 | 508 | 503 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,240,032.09 | 6.40 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| G05089-G06013 | 24 | 866 | 0.003 | 33.5 | 2,138,079.45 | 2.35 | 472.8 | 470.54 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 8,826,863.83 | 4.41 |
| C04023-D04037 | 8 | 336 | 0.027 | 14.1 | 64,714.87 | 2.5 | 640 | 631 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,510,565.02 | 7.79 |
| F10069-F10067 | 12 | 208 | 0.005 | 40.4 | 493,407.75 | 2.5 | 402 | 401 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,886,830.25 | 3.65 |
| E07061-E07059 | 8 | 246 | 0.016 | 20 | 96,063.95 | 2.49 | 486 | 482 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,176,928.96 | 6.07 |
| C06017-C06015 | 8 | 273 | 0.029 | 15.9 | 45,613.39 | 2.51 | 547 | 539 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,579,979.59 | 8.15 |
| F11017-F11009 | 24 | 259 | 0.004 | 29.3 | 2,007,210.08 | 2.48 | 393 | 392 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 10,736,463.97 | 5.36 |
| D04025-D05057 | 12 | 271 | 0.026 | 11.3 | 88,373.97 | 2.47 | 594 | 587 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 4,373,497.40 | 8.46 |
| F14081-F14053 | 12 | 257 | 0.012 | 25.5 | 336,343.56 | 2.48 | 430 | 427 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,940,076.05 | 5.69 |
| G15063-G15061 | 8 | 320 | 0.084 | 4.7 | 11,138.73 | 2.53 | 490 | 463 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,680,986.95 | 13.83 |
| E06041-E06039 | 10 | 323 | 0.012 | 19.5 | 155,021.44 | 2.52 | 502 | 498 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,862,272.56 | 5.76 |
| D05067-D05057 | 8 | 317 | 0.041 | 14.7 | 39,685.37 | 2.52 | 600 | 587 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,869,088.44 | 9.64 |
| F08095-F08089 | 12 | 144 | 0.007 | 34.9 | 504,292.14 | 2.51 | 448 | 447 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,267,687.74 | 4.39 |
| G14065-G14059 | 8 | 173 | 0.035 | 16.2 | 51,982.92 | 2.48 | 409 | 403 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,718,859.51 | 8.86 |
| E07051-E07049 | 8 | 370 | 0.008 | 43 | 248,669.48 | 2.52 | 493 | 490 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 831,089.07 | 4.29 |
| D06011-D06009 | 8 | 284 | 0.014 | 24.8 | 122,119.96 | 2.52 | 532 | 528 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,095,364.43 | 5.65 |
| K11019-K12035 | 15 | 219 | 0.005 | 28.6 | 595,188.54 | 2.52 | 342 | 341 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,334,027.23 | 4.30 |
| E10055-E10053 | 12 | 260 | 0.012 | 17.1 | 161,685.58 | 2.52 | 421 | 418 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,923,064.86 | 5.65 |
| C06055-C06053 | 8 | 160 | 0.1 | 6.7 | 11,070.24 | 2.58 | 604 | 588 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,918,688.90 | 15.05 |
| C05015-C05013 | 8 | 249 | 0.064 | 7.3 | 20,566.55 | 2.48 | 647 | 631 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,339,635.08 | 12.07 |
| D04035-D04033 | 12 | 295 | 0.031 | 8.9 | 73,738.42 | 2.53 | 623 | 614 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 4,753,075.85 | 9.19 |
| D08027-D08023 | 8 | 37 | 0.077 | 30.5 | 14,660.05 | 2.51 | 481 | 478.15 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,561,588.56 | 13.21 |
| C01003-D01017 | 8 | 321 | 0.009 | 5.5 | 2,438.76 | 0.67 | 634 | 631 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 892,269.23 | 4.60 |
| F12067-F12065 | 24 | 250 | 0.004 | 29.1 | 1,951,767.23 | 2.51 | 395 | 394 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 10,928,011.64 | 5.45 |
| F11009-F11007 | 24 | 251 | 0.004 | 31.4 | 2,036,078.65 | 2.52 | 392 | 391 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 10,906,220.96 | 5.44 |
| K12009-K12007 | 8 | 278 | 0.031 | 34.8 | 50,237.47 | 2.55 | 371 | 362.33 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,629,952.54 | 8.41 |
| F13057-F12079 | 15 | 247 | 0.008 | 28.5 | 654,494.10 | 2.51 | 404 | 402 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,439,741.87 | 5.72 |
| E09079-E09077 | 15 | 238 | 0.004 | 40.2 | 1,012,919.17 | 2.53 | 425 | 424 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,198,178.66 | 4.12 |
| G08049-G09073 | 24 | 339 | 0.003 | 36.8 | 2,708,179.91 | 2.41 | 429 | 428 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 9,384,503.57 | 4.68 |
| D06027-D06025 | 8 | 213 | 0.023 | 20.8 | 65,062.60 | 2.54 | 543 | 538 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,414,109.40 | 7.29 |
| D06057-D06055 | 10 | 272 | 0.011 | 21.4 | 175,998.31 | 2.55 | 550 | 547 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,757,481.18 | 5.44 |
| D01011-D01009 | 8 | 303 | 0.01 | 8.5 | 13,807.55 | 1.12 | 620 | 617 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 918,389.95 | 4.74 |
| C01005-C01003 | 8 | 322 | 0.009 | 3.3 | 1,193.15 | 0.55 | 637 | 634 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 890,882.65 | 4.59 |
| F03089-F03085 | 15 | 112 | 0.009 | 12.6 | 125,754.97 | 1.76 | 526 | 525 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,662,106.48 | 6.01 |
| F03151-F03145 | 12 | 259 | 0.012 | 12.3 | 48,074.41 | 1.62 | 534 | 531 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,928,702.40 | 5.66 |
| D10065-D10025 | 8 | 288 | 0.031 | 18.1 | 36,276.50 | 2.57 | 448 | 439 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,631,596.70 | 8.41 |
| D08015-D08013 | 10 | 304 | 0.003 | 80.6 | 945,200.35 | 2.57 | 468 | 467 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 959,793.31 | 2.97 |
| D01013-D01011 | 8 | 303 | 0.01 | 8.4 | 12,594.99 | 1.1 | 623 | 620 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 918,389.95 | 4.74 |
| E09009-E09007 | 18 | 444 | 0.005 | 30.9 | 934,545.52 | 2.55 | 433 | 431 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 5,384,739.54 | 4.63 |
| D14051-D14049 | 8 | 75 | 0.169 | 4.4 | 7,450.06 | 2.59 | 467 | 454.36 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,789,053.28 | 19.54 |
| F15091-F15089 | 12 | 254 | 0.016 | 19.1 | 267,224.35 | 2.55 | 453 | 449 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,414,897.21 | 6.60 |
| E12007-E12005 | 15 | 350 | 0.006 | 37.5 | 924,858.56 | 2.55 | 406 | 404 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,729,685.18 | 4.81 |
| F13065-F13063 | 15 | 250 | 0.008 | 28.5 | 644,181.40 | 2.55 | 409 | 407 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,413,023.02 | 5.69 |
| F08097-F08095 | 12 | 135 | 0.007 | 31.8 | 502,984.69 | 2.57 | 449 | 448 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,342,057.83 | 4.53 |
| F19013-F19011 | 8 | 350 | 0.051 | 9.1 | 32,069.66 | 2.58 | 588 | 570.27 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,077,342.72 | 10.71 |
| F17017-F17015 | 12 | 258 | 0.028 | 15.4 | 120,720.66 | 2.54 | 522.5 | 515.23 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 4,567,955.35 | 8.83 |
| E13025-E13023 | 12 | 377 | 0.008 | 45.8 | 516,374.30 | 2.57 | 427 | 424 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,427,473.24 | 4.69 |
| C04027-C04025 | 8 | 231 | 0.039 | 10.9 | 45,944.66 | 2.58 | 656 | 647 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,821,809.96 | 9.40 |
| F15099-F15097 | 12 | 247 | 0.016 | 19.3 | 259,103.47 | 2.57 | 464 | 460 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,462,948.37 | 6.70 |
| E09037-E09035 | 15 | 306 | 0.004 | 40.6 | 1,005,134.42 | 2.58 | 439 | 437.73 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,178,574.15 | 4.10 |
| K13045-K13043 | 15 | 228 | 0.004 | 33.7 | 798,988.61 | 2.58 | 334 | 333 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,267,561.54 | 4.21 |
| E04047-E04045 | 10 | 335 | 0.012 | 25.5 | 241,955.43 | 2.58 | 540 | 536 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,828,614.25 | 5.66 |
| F15095-F15091 | 12 | 247 | 0.016 | 18.8 | 265,305.19 | 2.58 | 457 | 453 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,462,948.37 | 6.70 |
| D03007-D04113 | 15 | 360 | 0.008 | 17.4 | 298,672.14 | 2.19 | 583 | 580 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,504,022.76 | 5.81 |
| J11039-J11035 | 15 | 125 | 0.008 | 26.2 | 446,455.09 | 2.58 | 378 | 377 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,413,023.02 | 5.69 |
| D09017-D09015 | 8 | 309 | 0.006 | 51.1 | 287,858.57 | 2.61 | 443 | 441 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 742,546.35 | 3.83 |
| K13047-K13045 | 15 | 227 | 0.004 | 33.7 | 797,115.14 | 2.59 | 335 | 334 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,274,750.90 | 4.22 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| D03009-D03007 | 15 | 350 | 0.009 | 17.2 | 287,059.39 | 2.18 | 586 | 583 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,567,912.80 | 5.89 |
| D07103-D07101 | 8 | 272 | 0.018 | 19.4 | 96,544.60 | 2.63 | 503 | 498 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,251,377.54 | 6.45 |
| D07069-D07067 | 8 | 336 | 0.012 | 34.5 | 177,712.47 | 2.63 | 516 | 512 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,007,043.35 | 5.19 |
| D06145-D06143 | 10 | 21 | 0.024 | 12.8 | 70,826.38 | 2.63 | 504 | 503.5 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,582,199.92 | 7.99 |
| F14109-F14107 | 12 | 186 | 0.016 | 19.5 | 285,036.46 | 2.62 | 441 | 438 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,455,959.57 | 6.68 |
| D09071-D09069 | 10 | 346 | 0.012 | 20.3 | 149,447.92 | 2.64 | 446 | 442 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,799,311.91 | 5.57 |
| C04025-C04023 | 8 | 169 | 0.041 | 12.5 | 46,206.58 | 2.63 | 647 | 640 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,878,423.34 | 9.69 |
| F14111-F14109 | 12 | 186 | 0.016 | 19.4 | 283,771.93 | 2.62 | 444 | 441 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,455,959.57 | 6.68 |
| E06001-E07031 | 8 | 225 | 0.009 | 36.5 | 248,070.40 | 2.64 | 501 | 499 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 870,184.91 | 4.49 |
| E05097-E05095 | 8 | 16 | 0.063 | 32.8 | 39,262.13 | 2.63 | 534 | 533 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,307,426.18 | 11.90 |
| J10007-J11041 | 15 | 229 | 0.009 | 20.6 | 430,666.43 | 2.64 | 381 | 379 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,610,929.22 | 5.95 |
| F15089-F14113 | 12 | 184 | 0.016 | 20.6 | 281,610.43 | 2.64 | 449 | 446 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,474,691.20 | 6.72 |
| C04029-C04027 | 8 | 257 | 0.047 | 10.4 | 40,695.81 | 2.65 | 668 | 656 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,994,398.18 | 10.29 |
| F07067-F07065 | 12 | 272 | 0.011 | 22.9 | 312,823.74 | 2.64 | 466 | 463 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,857,858.18 | 5.53 |
| E07053-E07051 | 8 | 324 | 0.009 | 36.8 | 247,751.04 | 2.66 | 496 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 888,128.75 | 4.58 |
| E09069-E10021 | 18 | 365 | 0.005 | 28 | 1,016,020.93 | 2.64 | 422 | 420 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 5,938,951.17 | 5.10 |
| C04043-C04041 | 8 | 306 | 0.079 | 6.5 | 21,858.46 | 2.69 | 817.84 | 793.54 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,600,939.38 | 13.41 |
| D07099-D07097 | 8 | 252 | 0.016 | 22.4 | 121,623.25 | 2.67 | 493 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,162,833.49 | 6.00 |
| F07079-F07067 | 12 | 261 | 0.011 | 22 | 301,587.83 | 2.66 | 469 | 466 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,917,459.74 | 5.64 |
| F05071-F05069 | 21 | 267 | 0.004 | 32.7 | 1,553,838.55 | 2.59 | 503 | 502 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 7,406,454.01 | 4.77 |
| L13131-L13129 | 10 | 13 | 0.038 | 8.3 | 46,547.57 | 2.67 | 317.5 | 317 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 3,281,918.82 | 10.16 |
| D08035-D08033 | 10 | 354 | 0.008 | 30.3 | 290,907.44 | 2.67 | 473 | 470 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,540,541.86 | 4.77 |
| D06105-D07105 | 8 | 297 | 0.024 | 16.6 | 75,794.06 | 2.67 | 515 | 508 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,416,963.30 | 7.31 |
| F14107-F14105 | 12 | 243 | 0.016 | 21.1 | 292,371.74 | 2.66 | 438 | 434 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,491,333.67 | 6.75 |
| F08111-F08109 | 12 | 337 | 0.012 | 25.5 | 315,599.30 | 2.67 | 457 | 453 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,964,691.74 | 5.73 |
| D04061-D05125 | 15 | 342 | 0.009 | 20.6 | 380,612.67 | 2.34 | 567 | 564 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,621,029.85 | 5.96 |
| G08061-G08059 | 12 | 127 | 0.008 | 35.1 | 598,859.21 | 2.67 | 441 | 440 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,414,696.97 | 4.67 |
| G13093-G13091 | 10 | 136 | 0.015 | 20.5 | 147,920.66 | 2.69 | 388 | 386 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,029,364.47 | 6.28 |
| G09019-G09017 | 8 | 291 | 0.01 | 61.5 | 228,625.84 | 2.69 | 415 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 937,134.53 | 4.83 |
| F12071-F12069 | 15 | 251 | 0.011 | 42.3 | 656,322.12 | 2.67 | 398 | 395.36 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,060,067.40 | 6.52 |
| F03159-F03157 | 12 | 269 | 0.015 | 6.2 | 20,366.39 | 1.3 | 545 | 541 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,318,320.68 | 6.42 |
| E14071-E14069 | 8 | 250 | 0.012 | 38.3 | 314,538.13 | 2.69 | 451 | 448 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,011,063.49 | 5.21 |
| D10073-D09021 | 8 | 345 | 0.012 | 32.7 | 154,107.32 | 2.71 | 453 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 993,821.20 | 5.13 |
| G06013-G06011 | 24 | 364 | 0.003 | 31 | 2,130,078.89 | 2.55 | 470.54 | 469.27 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 10,206,158.81 | 5.09 |
| F13077-F13075 | 15 | 251 | 0.01 | 24.3 | 623,191.11 | 2.7 | 416 | 413.6 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,824,584.97 | 6.22 |
| F03161-F03159 | 12 | 266 | 0.015 | 5.6 | 20,456.93 | 1.33 | 549 | 545 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,336,980.55 | 6.45 |
| D15073-D15071 | 8 | 173 | 0.243 | 3 | 6,449.16 | 2.81 | 550 | 508 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 4,547,674.80 | 23.45 |
| D10131-D10129 | 8 | 336 | 0.018 | 19 | 97,644.44 | 2.74 | 490 | 484 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,233,371.17 | 6.36 |
| J12005-J12003 | 33 | 113 | 0.009 | 14.8 | 1,244,296.48 | 2.49 | 357 | 356 | Vitrified Clay Pipe-Circular-33 inch | 5.9 | 37,999,608.87 | 9.97 |
| D07101-D07099 | 8 | 269 | 0.019 | 20.9 | 109,992.22 | 2.73 | 498 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,258,336.14 | 6.49 |
| E12009-E12007 | 15 | 572 | 0.007 | 32.7 | 888,302.01 | 2.73 | 410 | 406 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,125,942.59 | 5.32 |
| E14067-E14065 | 8 | 264 | 0.011 | 43.7 | 346,354.97 | 2.75 | 446 | 443 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 983,889.83 | 5.07 |
| E06009-E06007 | 8 | 325 | 0.012 | 30.3 | 188,951.29 | 2.76 | 514 | 510 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,023,943.80 | 5.28 |
| D05055-D05053 | 15 | 182 | 0.022 | 14.6 | 162,258.71 | 2.76 | 584 | 580 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 7,314,514.43 | 9.43 |
| E14069-E14067 | 8 | 153 | 0.013 | 39.2 | 314,366.10 | 2.76 | 448 | 446 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,055,254.20 | 5.44 |
| E14061-E14059 | 8 | 269 | 0.011 | 50.8 | 367,284.90 | 2.77 | 438 | 435 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 974,702.98 | 5.03 |
| F04139-F04137 | 15 | 258 | 0.012 | 13.3 | 181,519.11 | 2.11 | 516 | 513 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,320,371.69 | 6.86 |
| D01009-D01007 | 8 | 309 | 0.013 | 8.4 | 15,323.43 | 1.25 | 617 | 613 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,050,119.11 | 5.42 |
| G10025-G10023 | 12 | 633 | 0.006 | 36.2 | 604,437.37 | 2.78 | 397 | 393 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,163,179.90 | 4.18 |
| D07097-D07091 | 8 | 244 | 0.016 | 23.9 | 135,566.60 | 2.79 | 489 | 485 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,181,742.60 | 6.09 |
| D10029-D10027 | 8 | 254 | 0.024 | 16.4 | 71,206.41 | 2.79 | 452 | 446 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,418,556.29 | 7.32 |
| D01017-D01015 | 8 | 324 | 0.012 | 7.2 | 10,452.94 | 1.16 | 631 | 627 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,025,522.75 | 5.29 |
| F05103-F05037 | 15 | 311 | 0.013 | 24.5 | 194,753.55 | 2.16 | 504 | 500 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,595,527.06 | 7.21 |
| G13099-G13097 | 8 | 211 | 0.028 | 21.9 | 81,538.49 | 2.81 | 396 | 390 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,556,403.52 | 8.03 |
| G08057-G08055 | 12 | 55 | 0.009 | 42 | 598,360.02 | 2.8 | 439.5 | 439 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,594,586.51 | 5.02 |
| F07083-F07081 | 10 | 203 | 0.015 | 25.5 | 245,099.22 | 2.81 | 474 | 471 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,034,356.76 | 6.30 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| D11013-D11007 | 8 | 90 | 0.022 | 20 | 73,236.36 | 2.83 | 448 | 446 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,375,883.14 | 7.10 |
| E08043-E08039 | 15 | 21 | 0.012 | 22.5 | 310,603.55 | 2.81 | 457.25 | 457 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,383,336.86 | 6.94 |
| L14037-L14021 | 8 | 115 | 0.063 | 48 | 28,667.97 | 2.82 | 316 | 308.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,325,414.18 | 11.99 |
| J12035-J12033 | 42 | 177 | 0.002 | 55.5 | 10,182,524.54 | 2.76 | 358 | 357.66 | Vitrified Clay Pipe-Circular-42 inch | 9.6 | 33,679,484.97 | 5.43 |
| F09015-F09013 | 18 | 706 | 0.007 | 25.6 | 967,125.38 | 2.81 | 425 | 420 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 6,751,866.40 | 5.80 |
| G05093-G05091 | 12 | 321 | 0.016 | 31.9 | 266,771.03 | 2.78 | 481 | 476 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,396,229.14 | 6.57 |
| D04079-D04077 | 8 | 59 | 0.034 | 16.5 | 74,149.58 | 2.83 | 580 | 578 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,699,326.38 | 8.76 |
| G10023-G10001 | 12 | 432 | 0.007 | 51.4 | 602,709.83 | 2.83 | 393 | 390 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,267,687.74 | 4.39 |
| G10009-G10007 | 24 | 589 | 0.005 | 33 | 2,095,010.50 | 2.8 | 404 | 401 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 12,331,449.62 | 6.15 |
| K11021-K11019 | 15 | 314 | 0.006 | 27.3 | 585,321.67 | 2.84 | 344 | 342 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,937,688.64 | 5.08 |
| G15041-G15039 | 8 | 202 | 0.134 | 4.6 | 9,129.92 | 2.82 | 449 | 422 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,374,380.13 | 17.40 |
| D10023-D10021 | 8 | 357 | 0.004 | 100 | 755,207.52 | 2.88 | 436 | 434.43 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 612,073.43 | 3.16 |
| E07027-E07063 | 8 | 309 | 0.024 | 19.2 | 93,623.82 | 2.86 | 496.3 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,418,632.80 | 7.32 |
| G08073-G08071 | 12 | 105 | 0.01 | 34.1 | 565,455.92 | 2.84 | 444 | 443 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,655,643.96 | 5.14 |
| D04113-D04111 | 15 | 358 | 0.011 | 19.6 | 299,045.24 | 2.4 | 580 | 576 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,215,304.64 | 6.72 |
| E06033-E06025 | 10 | 271 | 0.015 | 25.9 | 194,713.17 | 2.86 | 493 | 489 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,033,105.24 | 6.29 |
| D05041-D05117 | 15 | 398 | 0.008 | 24.3 | 556,051.02 | 2.86 | 558 | 555 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,283,613.62 | 5.52 |
| E13027-E13025 | 12 | 190 | 0.011 | 30.2 | 516,570.46 | 2.85 | 429 | 427 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,791,918.24 | 5.40 |
| D09069-D09067 | 10 | 319 | 0.013 | 27.2 | 181,382.41 | 2.87 | 442 | 438 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,873,911.87 | 5.80 |
| D01007-D01005 | 8 | 209 | 0.014 | 8.3 | 15,851.47 | 1.3 | 613 | 610 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,105,796.70 | 5.70 |
| D11041-D11027 | 8 | 199 | 0.041 | 11.5 | 37,641.49 | 2.89 | 482.03 | 473.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,876,986.66 | 9.68 |
| K11023-K11021 | 15 | 309 | 0.006 | 26 | 583,650.95 | 2.87 | 346 | 344 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,969,419.12 | 5.12 |
| D01015-D01013 | 8 | 294 | 0.014 | 7.7 | 11,370.73 | 1.21 | 627 | 623 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,076,574.62 | 5.55 |
| F10003-F10001 | 24 | 363 | 0.006 | 28.4 | 2,016,310.25 | 2.85 | 410 | 408 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 12,825,456.69 | 6.40 |
| D12027-D12025 | 8 | 98 | 0.02 | 23.5 | 128,843.08 | 2.9 | 434 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,318,529.25 | 6.80 |
| E14063-E14061 | 8 | 230 | 0.013 | 41.2 | 353,456.31 | 2.88 | 441 | 438 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,054,106.56 | 5.44 |
| D11019-D10121 | 8 | 259 | 0.023 | 18.3 | 84,375.82 | 2.9 | 464 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,404,796.93 | 7.25 |
| J12033-J12031 | 42 | 340 | 0.002 | 70.5 | 10,181,073.59 | 2.83 | 357.66 | 356.95 | Vitrified Clay Pipe-Circular-42 inch | 9.6 | 35,115,781.02 | 5.66 |
| D10027-D10025 | 8 | 324 | 0.022 | 21.7 | 91,642.38 | 2.9 | 446 | 439 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,356,639.08 | 7.00 |
| C04037-C04035 | 8 | 212 | 0.07 | 8.1 | 33,313.03 | 2.9 | 725.61 | 710.71 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,446,881.91 | 12.62 |
| J11041-J11039 | 15 | 91 | 0.011 | 20.6 | 444,220.34 | 2.88 | 379 | 378 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,172,142.75 | 6.67 |
| D11095-D11093 | 15 | 319 | 0.003 | 52.8 | 1,514,724.27 | 2.91 | 427 | 426 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,762,459.11 | 3.56 |
| F14053-F14051 | 15 | 255 | 0.012 | 22.6 | 598,713.98 | 2.88 | 427 | 424 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,351,576.48 | 6.90 |
| D06001-D07069 | 8 | 298 | 0.02 | 25.1 | 137,115.61 | 2.92 | 522 | 516 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,309,650.16 | 6.75 |
| D07091-D07089 | 8 | 373 | 0.016 | 25.9 | 160,144.48 | 2.91 | 485 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,170,601.34 | 6.04 |
| F14049-F13079 | 15 | 249 | 0.012 | 22.7 | 602,425.87 | 2.89 | 422 | 419 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,415,669.50 | 6.98 |
| G11001-H11051 | 39 | 260 | 0.002 | 39.6 | 9,135,664.48 | 2.86 | 373.5 | 373 | Vitrified Clay Pipe-Circular-39 inch | 8.3 | 27,655,729.72 | 5.16 |
| E05147-E05145 | 21 | 423 | 0.005 | 28.6 | 1,487,045.14 | 2.83 | 512 | 510 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 8,321,675.47 | 5.36 |
| E05029-E05027 | 18 | 335 | 0.006 | 27.6 | 1,003,088.21 | 2.79 | 519 | 517 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 6,199,173.38 | 5.33 |
| G15061-G15059 | 8 | 299 | 0.117 | 6 | 12,465.84 | 2.92 | 463 | 428 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,157,811.74 | 16.29 |
| G11009-G11001 | 39 | 260 | 0.002 | 39.6 | 9,137,296.03 | 2.87 | 374 | 373.5 | Vitrified Clay Pipe-Circular-39 inch | 8.3 | 27,655,729.72 | 5.16 |
| E06039-E06033 | 10 | 297 | 0.017 | 20.2 | 179,996.76 | 2.93 | 498 | 493 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,171,307.27 | 6.72 |
| F07085-F07083 | 10 | 56 | 0.018 | 22.5 | 228,876.77 | 2.93 | 475 | 474 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,236,250.73 | 6.92 |
| F10005-F10003 | 24 | 351 | 0.006 | 26.7 | 2,017,709.73 | 2.9 | 412 | 410 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 13,042,852.79 | 6.51 |
| F13079-F13077 | 15 | 252 | 0.012 | 23.6 | 618,675.73 | 2.91 | 419 | 416 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,383,336.86 | 6.94 |
| E10021-E10007 | 18 | 396 | 0.007 | 33.9 | 1,020,519.78 | 2.93 | 420 | 417.06 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 6,913,011.21 | 5.94 |
| G11019-G11017 | 27 | 614 | 0.003 | 34.9 | 3,527,098.03 | 2.93 | 382 | 380 | Vitrified Clay Pipe-Circular-27 inch | 4 | 13,500,463.90 | 5.22 |
| D11005-D11003 | 8 | 59 | 0.017 | 27.5 | 122,221.60 | 2.96 | 444 | 443 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,201,605.21 | 6.20 |
| H11019-H11017 | 39 | 467 | 0.002 | 38.5 | 9,172,505.26 | 2.89 | 368 | 367 | Vitrified Clay Pipe-Circular-39 inch | 8.3 | 29,182,893.73 | 5.44 |
| C04033-C04031 | 8 | 303 | 0.065 | 8.9 | 38,872.90 | 2.96 | 691.84 | 672 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,361,768.51 | 12.18 |
| J12049-J12037 | 39 | 824 | 0.002 | 39.5 | 9,715,886.76 | 2.9 | 361 | 359.19 | Vitrified Clay Pipe-Circular-39 inch | 8.3 | 29,557,144.55 | 5.51 |
| K12065-K13067 | 12 | 263 | 0.019 | 17.8 | 147,161.23 | 2.98 | 345 | 340 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,752,075.99 | 7.26 |
| E12001-F12107 | 18 | 254 | 0.008 | 30.3 | 1,160,094.46 | 2.96 | 402 | 400 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 7,119,333.35 | 6.12 |
| L14017-L14015 | 12 | 43 | 0.012 | 38.8 | 936,444.88 | 2.75 | 307.5 | 307 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,934,372.69 | 5.68 |
| F11005-F11003 | 27 | 614 | 0.003 | 34.6 | 3,467,804.84 | 2.96 | 387 | 385 | Vitrified Clay Pipe-Circular-27 inch | 4 | 13,500,463.90 | 5.22 |
| J15007-J15005 | 12 | 73 | 0.014 | 23.5 | 280,785.22 | 2.97 | 329 | 328 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,184,953.29 | 6.16 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| K13043-K13041 | 15 | 300 | 0.007 | 30.2 | 797,780.28 | 2.97 | 333 | 331 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,028,520.42 | 5.19 |
| D09041-D09039 | 8 | 54 | 0.019 | 26.9 | 111,493.57 | 2.99 | 448 | 447 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,256,003.72 | 6.48 |
| E11113-E11111 | 15 | 270 | 0.004 | 50.5 | 1,527,004.94 | 2.99 | 417 | 416 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,002,681.84 | 3.87 |
| D05121-D05119 | 15 | 327 | 0.012 | 22.2 | 400,638.61 | 2.63 | 560 | 556 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,456,916.63 | 7.04 |
| E03239-E03237 | 12 | 106 | 0.019 | 5.8 | 20,733.28 | 1.5 | 557 | 555 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,737,890.40 | 7.23 |
| E05079-E05073 | 10 | 93 | 0.011 | 35.2 | 459,868.12 | 3 | 527 | 526 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,735,293.88 | 5.37 |
| E07001-E08041 | 12 | 348 | 0.009 | 31.9 | 557,353.16 | 3 | 468 | 465 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,526,594.25 | 4.89 |
| H11015-J11025 | 39 | 633 | 0.002 | 37.5 | 9,173,220.26 | 2.95 | 365 | 363.5 | Vitrified Clay Pipe-Circular-39 inch | 8.3 | 30,699,448.13 | 5.72 |
| E11119-E11113 | 15 | 267 | 0.004 | 50.4 | 1,526,937.91 | 3.02 | 418 | 417 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,019,503.72 | 3.89 |
| D06055-D06053 | 10 | 233 | 0.017 | 19.8 | 187,798.71 | 3.02 | 547 | 543 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,192,636.02 | 6.79 |
| D10129-D10127 | 8 | 336 | 0.024 | 17.8 | 98,670.71 | 3.02 | 484 | 476 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,424,174.36 | 7.35 |
| E07039-E07037 | 10 | 444 | 0.009 | 37.9 | 484,853.53 | 3.03 | 479 | 475 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,588,374.91 | 4.92 |
| D10017-D10015 | 8 | 33 | 0.098 | 56.4 | 18,240.47 | 3.04 | 437 | 433.78 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,883,093.81 | 14.87 |
| D09019-D09017 | 8 | 349 | 0.011 | 38.4 | 241,020.41 | 3.05 | 447 | 443 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 988,109.53 | 5.10 |
| D07089-D08035 | 8 | 366 | 0.016 | 31.8 | 185,691.90 | 3.05 | 479 | 473 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,181,742.60 | 6.09 |
| H12015-H12013 | 12 | 59 | 0.034 | 40.8 | 581,358.41 | 3.14 | 366 | 364 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 5,010,181.86 | 9.69 |
| E11131-E11129 | 15 | 259 | 0.004 | 49.4 | 1,504,456.68 | 3.07 | 422 | 421 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,065,782.33 | 3.95 |
| G06011-G06009 | 24 | 330 | 0.005 | 28.1 | 2,126,757.09 | 2.89 | 469.27 | 467.59 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 12,328,459.82 | 6.15 |
| E06003-E06001 | 8 | 218 | 0.014 | 34.5 | 246,551.42 | 3.09 | 504 | 501 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,082,730.04 | 5.58 |
| E11133-E11131 | 15 | 261 | 0.004 | 49.6 | 1,507,935.97 | 3.08 | 423 | 422 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,054,013.45 | 3.94 |
| J11023-J11021 | 39 | 648 | 0.002 | 38.5 | 9,648,056.45 | 3.01 | 363 | 361.46 | Vitrified Clay Pipe-Circular-39 inch | 8.3 | 30,743,949.03 | 5.73 |
| G06009-G06007 | 24 | 334 | 0.005 | 27.9 | 2,124,037.64 | 2.89 | 467.59 | 465.85 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 12,471,323.47 | 6.22 |
| E05087-E05081 | 10 | 173 | 0.012 | 34.2 | 453,712.42 | 3.08 | 531 | 529 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,799,311.91 | 5.57 |
| C04035-C04033 | 8 | 235 | 0.08 | 8.5 | 35,470.28 | 3.1 | 710.71 | 691.84 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,615,410.28 | 13.49 |
| D10009-D10007 | 12 | 280 | 0.004 | 68.7 | 1,373,309.02 | 3.11 | 431.8 | 430.73 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,682,199.00 | 3.25 |
| E07041-E07039 | 10 | 320 | 0.009 | 37.7 | 485,769.35 | 3.1 | 482 | 479 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,620,317.59 | 5.01 |
| D10127-D10125 | 8 | 272 | 0.026 | 17.6 | 99,742.12 | 3.09 | 476 | 469 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,480,649.88 | 7.64 |
| E05073-E05065 | 10 | 257 | 0.012 | 34.6 | 465,086.67 | 3.1 | 526 | 523 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,808,042.25 | 5.59 |
| G11013-G11011 | 39 | 909 | 0.002 | 38.1 | 9,115,347.50 | 3.05 | 377 | 375 | Vitrified Clay Pipe-Circular-39 inch | 8.3 | 29,581,476.71 | 5.51 |
| F09013-F10013 | 18 | 622 | 0.01 | 33.2 | 969,278.15 | 3.09 | 420 | 414 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 7,879,916.61 | 6.77 |
| C11005-C11003 | 8 | 171 | 0.041 | 11.9 | 51,844.91 | 3.13 | 547 | 540 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,867,406.10 | 9.63 |
| D08007-D08005 | 15 | 309 | 0.006 | 34.1 | 991,034.82 | 3.12 | 456 | 454 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,969,419.12 | 5.12 |
| D04075-D04069 | 15 | 310 | 0.013 | 19.5 | 376,313.53 | 2.74 | 575 | 571 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,604,544.84 | 7.23 |
| D05047-D05045 | 15 | 203 | 0.01 | 22.3 | 532,696.24 | 3.14 | 568 | 566 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,897,316.57 | 6.31 |
| H10015-H10013 | 8 | 19 | 0.026 | 26.6 | 123,634.87 | 3.12 | 392 | 391.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,497,255.82 | 7.72 |
| E07003-E07001 | 12 | 206 | 0.01 | 31.3 | 551,749.49 | 3.13 | 470 | 468 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,681,302.95 | 5.19 |
| F13075-F13067 | 15 | 251 | 0.014 | 25.2 | 632,856.88 | 3.12 | 413.6 | 410 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,908,885.70 | 7.62 |
| G09013-G10021 | 24 | 400 | 0.005 | 33.4 | 2,940,813.39 | 3.02 | 408 | 406 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 12,217,888.44 | 6.10 |
| C11003-C11001 | 8 | 343 | 0.038 | 12.4 | 59,274.35 | 3.17 | 540 | 527 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,796,852.48 | 9.27 |
| E02019-E02015 | 8 | 221 | 0.033 | 1.2 | 0 | 0 | 578.53 | 571.14 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,687,772.43 | 8.70 |
| D06053-D06025 | 10 | 258 | 0.019 | 20.6 | 195,501.77 | 3.19 | 543 | 538 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,329,644.52 | 7.21 |
| E09023-E09085 | 15 | 93 | 0.011 | 32.8 | 1,005,904.27 | 3.17 | 432 | 431 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,329,114.35 | 5.58 |
| G07041-G07039 | 24 | 149 | 0.007 | 26.2 | 2,123,222.48 | 2.97 | 451 | 450 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 14,155,265.48 | 7.06 |
| D17023-D17021 | 8 | 17 | 0.235 | 10.8 | 11,293.21 | 3.2 | 514 | 510 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 4,477,064.41 | 23.09 |
| C10031-C10029 | 8 | 55 | 0.036 | 15.7 | 66,314.82 | 3.2 | 513 | 511 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,760,035.63 | 9.08 |
| F11001-G11019 | 27 | 537 | 0.004 | 33.9 | 3,519,937.60 | 3.17 | 384.15 | 382 | Vitrified Clay Pipe-Circular-27 inch | 4 | 14,967,524.12 | 5.79 |
| E09039-E09037 | 15 | 267 | 0.007 | 35.8 | 1,005,394.53 | 3.19 | 441 | 439 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,270,223.11 | 5.51 |
| E09085-E09083 | 15 | 253 | 0.008 | 32.6 | 1,007,017.99 | 3.19 | 431 | 429 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,386,780.83 | 5.66 |
| F14051-F14049 | 15 | 126 | 0.016 | 21.8 | 600,836.54 | 3.19 | 424 | 422 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 6,216,141.97 | 8.01 |
| E05081-E05079 | 10 | 155 | 0.013 | 34.3 | 459,798.20 | 3.21 | 529 | 527 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,900,919.20 | 5.88 |
| E05089-E05087 | 10 | 77 | 0.013 | 33.7 | 453,391.02 | 3.22 | 532 | 531 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,907,081.03 | 5.90 |
| E06007-E06005 | 8 | 194 | 0.015 | 31.5 | 246,943.38 | 3.24 | 510 | 507 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,147,750.71 | 5.92 |
| H11035-H11033 | 39 | 273 | 0.003 | 40.5 | 9,161,192.92 | 3.16 | 369.92 | 369.19 | Vitrified Clay Pipe-Circular-39 inch | 8.3 | 32,611,209.05 | 6.08 |
| E08005-E08003 | 15 | 268 | 0.007 | 32.9 | 994,194.60 | 3.23 | 450 | 448 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,262,248.83 | 5.50 |
| E07043-E07041 | 10 | 286 | 0.01 | 37 | 486,581.89 | 3.24 | 485 | 482 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,713,926.21 | 5.30 |
| E13031-E13029 | 8 | 221 | 0.018 | 45 | 366,729.69 | 3.25 | 434 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,241,714.25 | 6.40 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| E06005-E06003 | 8 | 189 | 0.016 | 31.9 | 247,342.11 | 3.26 | 507 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,162,833.49 | 6.00 |
| E09083-E09081 | 15 | 240 | 0.008 | 32.2 | 1,008,424.79 | 3.24 | 429 | 427 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,504,022.76 | 5.81 |
| F08101-F08099 | 12 | 14 | 0.014 | 33.1 | 497,432.03 | 3.24 | 450 | 449.8 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,252,486.32 | 6.29 |
| D08023-D08021 | 10 | 249 | 0.009 | 50.4 | 636,910.86 | 3.27 | 478.15 | 476 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,555,013.15 | 4.81 |
| K12031-K12029 | 15 | 22 | 0.009 | 25.2 | 655,689.79 | 3.27 | 339.2 | 339 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,704,298.35 | 6.07 |
| G08051-G08049 | 24 | 334 | 0.006 | 33.7 | 2,710,846.35 | 3.11 | 431 | 429 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 13,370,662.22 | 6.67 |
| E09081-E09079 | 15 | 232 | 0.009 | 35.3 | 1,011,199.02 | 3.27 | 427 | 425 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,581,020.18 | 5.91 |
| E09057-E09009 | 15 | 468 | 0.009 | 32.1 | 916,928.12 | 3.27 | 437 | 433 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,561,401.16 | 5.88 |
| G06007-G06005 | 24 | 273 | 0.006 | 35.7 | 2,121,238.83 | 3.08 | 465.85 | 464.11 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 13,794,452.04 | 6.88 |
| H11039-H11035 | 39 | 260 | 0.003 | 36 | 9,155,435.97 | 3.23 | 370.65 | 369.92 | Vitrified Clay Pipe-Circular-39 inch | 8.3 | 33,416,545.36 | 6.23 |
| G08081-G08079 | 12 | 36 | 0.014 | 36.1 | 560,598.84 | 3.28 | 445.29 | 444.78 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,238,905.94 | 6.26 |
| D01005-D01003 | 8 | 232 | 0.022 | 9.5 | 16,111.48 | 1.48 | 610 | 605 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,354,967.31 | 6.99 |
| G05145-G05143 | 24 | 323 | 0.006 | 25.1 | 1,878,824.54 | 3.09 | 484 | 482 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 13,596,429.96 | 6.79 |
| G07037-G08101 | 24 | 396 | 0.008 | 25.4 | 2,122,796.10 | 3.08 | 446 | 443 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 15,039,181.05 | 7.51 |
| G08101-G08099 | 24 | 391 | 0.008 | 25.3 | 2,122,470.66 | 3.08 | 443 | 440 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 15,135,034.03 | 7.55 |
| H11049-H11041 | 39 | 288 | 0.003 | 35.7 | 9,143,901.73 | 3.25 | 371.83 | 371.02 | Vitrified Clay Pipe-Circular-39 inch | 8.3 | 33,445,143.18 | 6.23 |
| E07005-E07003 | 12 | 356 | 0.011 | 30.2 | 548,489.48 | 3.31 | 474 | 470 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,884,493.04 | 5.58 |
| E08035-E08015 | 15 | 472 | 0.008 | 30.1 | 894,493.04 | 3.31 | 449 | 445 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,542,032.06 | 5.86 |
| D10123-D10121 | 8 | 306 | 0.033 | 18.3 | 99,364.58 | 3.34 | 468 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,668,503.39 | 8.61 |
| D08031-D08015 | 10 | 61 | 0.016 | 52.7 | 291,067.00 | 3.34 | 469 | 468 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,142,641.89 | 6.63 |
| E05145-F05077 | 21 | 436 | 0.007 | 26.2 | 1,512,092.19 | 3.24 | 510 | 507 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 10,038,835.64 | 6.47 |
| D06059-D06057 | 8 | 283 | 0.025 | 24.4 | 154,550.73 | 3.35 | 557 | 550 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,451,588.80 | 7.49 |
| D06023-D06021 | 10 | 268 | 0.015 | 26.7 | 318,382.04 | 3.35 | 532 | 528 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,044,452.89 | 6.33 |
| G11017-G11013 | 27 | 616 | 0.005 | 43.2 | 3,525,935.55 | 3.33 | 380 | 377 | Vitrified Clay Pipe-Circular-27 inch | 4 | 16,507,760.18 | 6.39 |
| C11007-C11005 | 8 | 172 | 0.052 | 11 | 48,932.95 | 3.37 | 556 | 547 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,111,275.16 | 10.89 |
| E09059-E09057 | 15 | 442 | 0.009 | 30.2 | 915,913.72 | 3.37 | 441 | 437 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,693,643.07 | 6.05 |
| F05031-F05023 | 24 | 312 | 0.006 | 24.7 | 1,851,820.81 | 3.18 | 497 | 495 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 13,834,034.49 | 6.90 |
| J11021-J12049 | 39 | 144 | 0.003 | 37.6 | 9,715,738.21 | 3.32 | 361.46 | 361 | Vitrified Clay Pipe-Circular-39 inch | 8.3 | 35,643,838.21 | 6.64 |
| E05033-E05031 | 18 | 334 | 0.009 | 28.4 | 993,972.63 | 3.26 | 523 | 520 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 7,603,763.19 | 6.54 |
| H11041-H11039 | 39 | 119 | 0.003 | 35.3 | 9,150,069.18 | 3.35 | 371.02 | 370.65 | Vitrified Clay Pipe-Circular-39 inch | 8.3 | 35,165,287.73 | 6.56 |
| K12013-J12021 | 21 | 387 | 0.015 | 31.6 | 791,786.34 | 2.99 | 365 | 359.06 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 14,993,523.38 | 9.67 |
| D07081-D07067 | 10 | 130 | 0.015 | 30.1 | 348,866.28 | 3.43 | 514 | 512 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,075,667.71 | 6.42 |
| K12035-K12033 | 15 | 96 | 0.01 | 29.2 | 652,760.23 | 3.46 | 341 | 340 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,035,650.53 | 6.49 |
| E08003-E09043 | 15 | 326 | 0.009 | 31.2 | 999,529.56 | 3.46 | 448 | 445 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,733,071.08 | 6.10 |
| D09015-D09013 | 8 | 347 | 0.009 | 65.3 | 562,579.41 | 3.5 | 441 | 438 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 858,190.49 | 4.43 |
| E08037-E08035 | 15 | 413 | 0.01 | 29.5 | 883,884.29 | 3.48 | 453 | 449 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,855,636.52 | 6.26 |
| D12037-D12035 | 8 | 150 | 0.04 | 18.3 | 102,670.06 | 3.49 | 446 | 440 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,845,940.94 | 9.52 |
| E08039-E08037 | 15 | 413 | 0.01 | 28.8 | 870,979.23 | 3.48 | 457 | 453 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,855,636.52 | 6.26 |
| K12029-K12027 | 15 | 46 | 0.011 | 32.4 | 655,611.13 | 3.48 | 339 | 338.5 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,143,956.48 | 6.63 |
| D10125-D10123 | 8 | 27 | 0.037 | 16.3 | 99,394.72 | 3.48 | 469 | 468 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,776,257.50 | 9.16 |
| C11001-C10031 | 8 | 294 | 0.048 | 12.8 | 66,550.09 | 3.53 | 527 | 513 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,014,086.69 | 10.39 |
| K12015-K12013 | 21 | 181 | 0.017 | 15.5 | 791,786.34 | 3.08 | 368 | 365 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 15,580,712.04 | 10.04 |
| G09015-G09013 | 24 | 294 | 0.007 | 32.1 | 2,945,219.55 | 3.38 | 410 | 408 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 14,251,234.48 | 7.11 |
| C04041-C04039 | 8 | 319 | 0.166 | 7 | 24,638.06 | 3.56 | 793.54 | 740.51 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,763,165.16 | 19.41 |
| E07045-E07043 | 10 | 222 | 0.014 | 35.3 | 487,172.15 | 3.56 | 488 | 485 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,945,354.03 | 6.02 |
| G09055-G09017 | 24 | 381 | 0.008 | 29.3 | 2,732,136.90 | 3.39 | 415 | 412 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 15,332,370.06 | 7.65 |
| H11025-H11019 | 39 | 275 | 0.004 | 36 | 9,168,975.28 | 3.5 | 369 | 368 | Vitrified Clay Pipe-Circular-39 inch | 8.3 | 38,029,485.25 | 7.09 |
| D11093-E11133 | 15 | 527 | 0.006 | 47 | 1,509,680.62 | 3.58 | 426 | 423 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,722,601.25 | 4.80 |
| E08015-E09059 | 15 | 382 | 0.01 | 29.4 | 916,212.43 | 3.57 | 445 | 441 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,048,815.65 | 6.51 |
| D05051-D05049 | 15 | 207 | 0.014 | 20.2 | 528,115.10 | 3.61 | 574 | 571 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,939,729.32 | 7.66 |
| E11065-E11063 | 15 | 332 | 0.007 | 43.1 | 1,544,023.69 | 3.6 | 406.72 | 404.53 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,007,229.49 | 5.17 |
| E12043-E12025 | 12 | 140 | 0.021 | 74.4 | 619,517.93 | 3.59 | 417 | 414 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,983,465.93 | 7.70 |
| E07033-E07053 | 8 | 91 | 0.022 | 32.4 | 246,839.77 | 3.62 | 498 | 496 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,368,302.46 | 7.06 |
| D08009-D08007 | 10 | 337 | 0.009 | 55.7 | 943,509.32 | 3.63 | 459 | 456 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,578,920.22 | 4.89 |
| E11107-E11073 | 15 | 364 | 0.007 | 42.6 | 1,527,438.41 | 3.65 | 411.67 | 409.23 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,039,572.63 | 5.21 |
| G09017-G09015 | 24 | 267 | 0.007 | 30.5 | 2,945,205.07 | 3.5 | 412 | 410 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 14,954,452.59 | 7.46 |

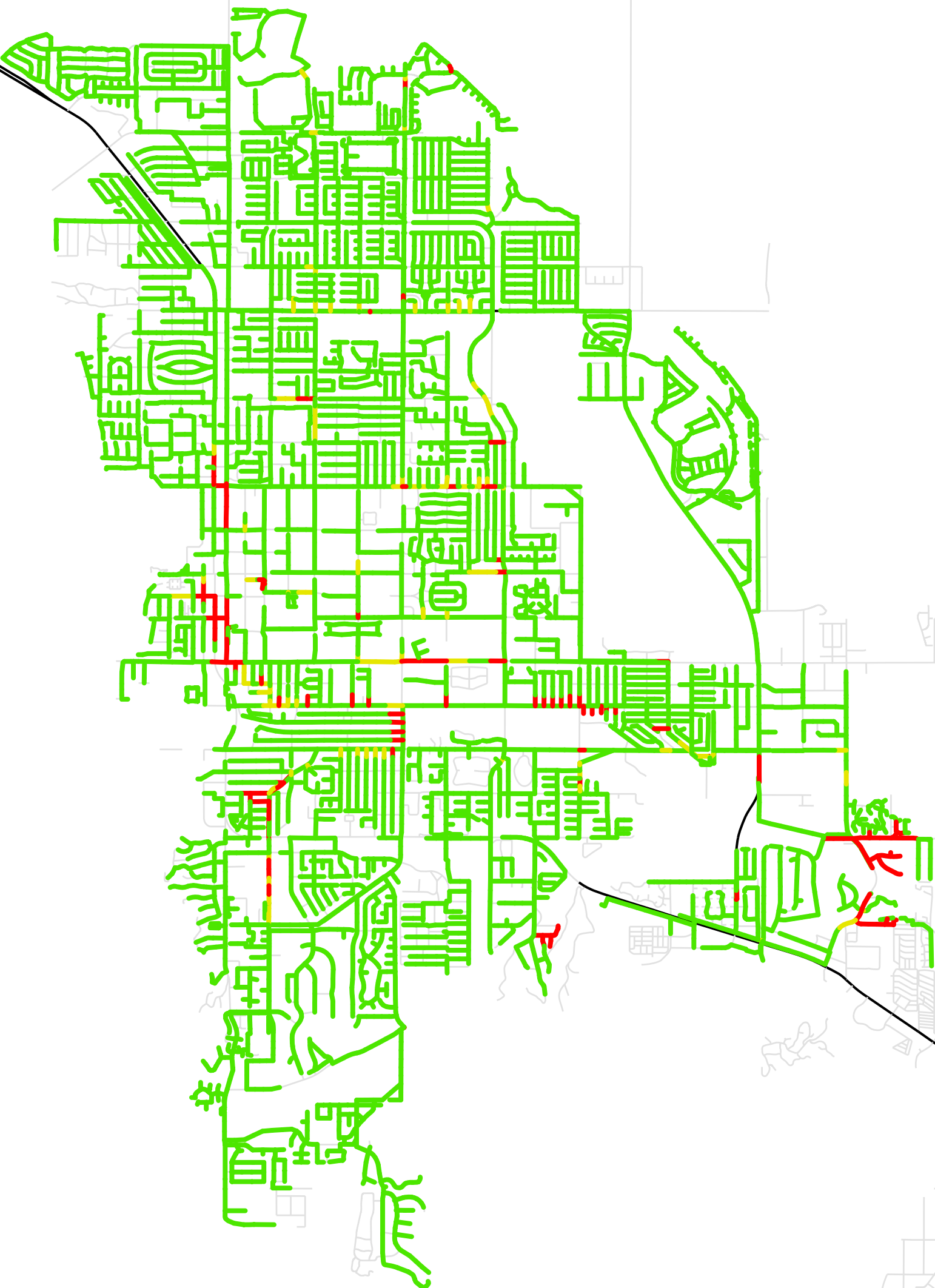
2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| G07039-G07037 | 24 | 397 | 0.01 | 24.5 | 2,123,808.04 | 3.42 | 450 | 446 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 17,343,865.44 | 8.66 |
| E05065-E05027 | 10 | 325 | 0.018 | 40.6 | 473,147.55 | 3.65 | 523 | 517 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,273,780.06 | 7.04 |
| D05045-D05043 | 15 | 194 | 0.015 | 20 | 536,183.81 | 3.67 | 566 | 563 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 6,135,514.15 | 7.91 |
| G05141-G05091 | 24 | 348 | 0.009 | 23.1 | 1,876,930.27 | 3.44 | 479 | 476 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 16,042,873.48 | 8.01 |
| D05049-D05047 | 15 | 194 | 0.015 | 21.1 | 531,139.50 | 3.69 | 571 | 568 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 6,135,514.15 | 7.91 |
| F11027-F11025 | 15 | 499 | 0.007 | 42.4 | 1,570,199.17 | 3.67 | 398.6 | 395 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,190,754.08 | 5.40 |
| F05077-F05073 | 21 | 329 | 0.009 | 28.9 | 1,547,718.10 | 3.58 | 507 | 504 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 11,556,561.63 | 7.45 |
| E11061-F11027 | 15 | 494 | 0.007 | 42.3 | 1,553,925.31 | 3.69 | 402.16 | 398.6 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,188,444.10 | 5.40 |
| E07037-E07005 | 10 | 62 | 0.016 | 34 | 485,347.60 | 3.69 | 475 | 474 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,125,292.28 | 6.58 |
| E09043-E09039 | 15 | 356 | 0.011 | 31.3 | 1,000,462.06 | 3.7 | 445 | 441 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,229,933.85 | 6.74 |
| E11063-E11061 | 15 | 327 | 0.007 | 42 | 1,539,998.61 | 3.7 | 404.53 | 402.16 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,200,408.18 | 5.42 |
| E05027-E05173 | 21 | 213 | 0.009 | 23.9 | 1,474,891.60 | 3.61 | 517 | 515 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 11,727,114.28 | 7.56 |
| H11017-H11015 | 39 | 474 | 0.004 | 34.8 | 9,172,716.06 | 3.64 | 367 | 365 | Vitrified Clay Pipe-Circular-39 inch | 8.3 | 40,964,968.10 | 7.64 |
| G11011-G11009 | 39 | 263 | 0.004 | 36.3 | 9,111,041.50 | 3.65 | 375 | 374 | Vitrified Clay Pipe-Circular-39 inch | 8.3 | 38,887,401.11 | 7.25 |
| D06019-D06017 | 10 | 318 | 0.019 | 26.4 | 351,937.18 | 3.73 | 527 | 521 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,298,669.71 | 7.11 |
| E11127-E11119 | 15 | 148 | 0.007 | 46.3 | 1,509,618.98 | 3.73 | 419 | 418 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,055,648.81 | 5.23 |
| E11109-E11107 | 15 | 333 | 0.007 | 42.4 | 1,529,690.49 | 3.73 | 414 | 411.67 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,127,119.49 | 5.32 |
| F11025-F11007 | 15 | 520 | 0.008 | 48 | 1,570,345.25 | 3.73 | 395 | 391 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,327,325.09 | 5.58 |
| F05017-G05145 | 24 | 340 | 0.009 | 24 | 1,877,873.78 | 3.52 | 487 | 484 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 16,230,515.81 | 8.10 |
| D07065-D07063 | 10 | 287 | 0.014 | 36.1 | 550,176.66 | 3.77 | 504 | 500 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,975,620.65 | 6.11 |
| D10005-D11095 | 15 | 317 | 0.006 | 48 | 1,515,606.00 | 3.77 | 429 | 427 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,919,011.75 | 5.05 |
| G05143-G05141 | 24 | 324 | 0.009 | 22.9 | 1,878,307.40 | 3.54 | 482 | 479 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 16,626,440.23 | 8.30 |
| F05037-F05031 | 24 | 341 | 0.009 | 23.7 | 1,838,310.78 | 3.55 | 500 | 497 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 16,206,699.92 | 8.09 |
| C04031-C04029 | 8 | 30 | 0.133 | 8.8 | 39,450.89 | 3.8 | 672 | 668 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,370,211.65 | 17.38 |
| E03243-E03241 | 10 | 29 | 0.037 | 2.1 | 1,673.10 | 0.91 | 560.07 | 559 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 3,214,455.36 | 9.95 |
| D06025-D06023 | 10 | 242 | 0.025 | 24.1 | 269,385.45 | 3.82 | 538 | 532 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,635,011.11 | 8.15 |
| D06021-D06019 | 10 | 50 | 0.02 | 26.3 | 352,188.39 | 3.82 | 528 | 527 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,366,625.32 | 7.32 |
| D08005-D08003 | 15 | 171 | 0.012 | 29.2 | 991,832.03 | 3.82 | 454 | 452 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,335,905.65 | 6.88 |
| D05043-D05041 | 15 | 284 | 0.018 | 21.9 | 538,848.40 | 3.84 | 563 | 558 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 6,546,618.47 | 8.44 |
| C10023-C10021 | 8 | 159 | 0.057 | 12.7 | 76,163.66 | 3.84 | 506 | 497 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,195,889.59 | 11.33 |
| G10007-G10005 | 30 | 475 | 0.006 | 30.5 | 5,032,018.08 | 3.74 | 401 | 398 | Vitrified Clay Pipe-Circular-30 inch | 4.9 | 24,897,267.02 | 7.86 |
| E11073-E11065 | 15 | 318 | 0.008 | 42 | 1,541,529.07 | 3.86 | 409.23 | 406.72 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,383,434.28 | 5.65 |
| E11111-E11109 | 15 | 258 | 0.008 | 41.6 | 1,529,340.39 | 3.88 | 416 | 414 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,344,065.29 | 5.60 |
| G09069-G09055 | 24 | 395 | 0.01 | 27.6 | 2,701,309.48 | 3.67 | 419 | 415 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 17,387,718.52 | 8.68 |
| F11007-F11005 | 24 | 611 | 0.007 | 36.5 | 3,481,987.34 | 3.88 | 391 | 387 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 13,980,430.46 | 6.98 |
| D08003-D08001 | 15 | 81 | 0.012 | 35 | 991,831.49 | 3.89 | 452 | 451 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,482,121.92 | 7.07 |
| J12029-J12001 | 42 | 475 | 0.005 | 29.3 | 10,191,662.93 | 3.81 | 357.4 | 355 | Vitrified Clay Pipe-Circular-42 inch | 9.6 | 54,622,482.26 | 8.80 |
| H11051-H11049 | 39 | 261 | 0.004 | 33.7 | 9,133,827.68 | 3.83 | 373 | 371.83 | Vitrified Clay Pipe-Circular-39 inch | 8.3 | 42,224,009.56 | 7.87 |
| D07061-D07059 | 10 | 397 | 0.015 | 36.5 | 578,037.53 | 3.92 | 497 | 491 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,057,286.99 | 6.37 |
| D07059-D07001 | 10 | 334 | 0.015 | 36.8 | 591,530.66 | 3.92 | 491 | 486 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,047,511.16 | 6.34 |
| D08011-D08009 | 10 | 366 | 0.011 | 54 | 943,990.79 | 3.93 | 463 | 459 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,749,459.78 | 5.41 |
| D10007-D10005 | 12 | 256 | 0.007 | 60.4 | 1,516,435.79 | 3.94 | 430.73 | 429 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,237,008.15 | 4.33 |
| F05019-F05017 | 24 | 299 | 0.01 | 22.5 | 1,856,694.34 | 3.68 | 490 | 487 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 17,307,573.57 | 8.64 |
| E11129-E11127 | 15 | 255 | 0.008 | 41.4 | 1,510,169.87 | 3.95 | 421 | 419 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,369,543.90 | 5.63 |
| D06017-D07081 | 10 | 310 | 0.023 | 26.5 | 350,311.87 | 3.96 | 521 | 514 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,514,679.73 | 7.78 |
| D05053-D05051 | 15 | 320 | 0.019 | 19.5 | 524,922.93 | 3.97 | 580 | 574 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 6,756,034.14 | 8.71 |
| K13035-K13001 | 21 | 166 | 0.018 | 15.1 | 802,942.20 | 3.95 | 322 | 319 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 16,269,437.75 | 10.49 |
| E07031-E07033 | 8 | 34 | 0.029 | 27.7 | 246,947.23 | 4.01 | 499 | 498 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,582,881.30 | 8.16 |
| E05055-E05035 | 18 | 427 | 0.014 | 21.7 | 978,724.57 | 3.84 | 535 | 529 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 9,510,489.63 | 8.17 |
| E08041-E08039 | 12 | 399 | 0.02 | 30.8 | 561,737.52 | 4.03 | 465 | 457 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,853,213.24 | 7.45 |
| F05021-F05019 | 24 | 185 | 0.011 | 21.9 | 1,856,158.09 | 3.79 | 492 | 490 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 17,965,540.46 | 8.97 |
| D10119-D10009 | 8 | 433 | 0.03 | 63.4 | 199,784.89 | 4.05 | 445 | 431.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,611,501.91 | 8.31 |
| E05173-E05147 | 21 | 241 | 0.012 | 25.5 | 1,473,562.08 | 3.96 | 515 | 512 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 13,502,620.67 | 8.70 |
| D08013-D08011 | 10 | 325 | 0.012 | 51.4 | 944,011.28 | 4.12 | 467 | 463 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,856,533.64 | 5.74 |
| D11001-D10007 | 8 | 284 | 0.04 | 54.6 | 141,481.69 | 4.12 | 442 | 430.73 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,838,614.14 | 9.48 |
| F16025-F16023 | 4 | 13 | 0.077 | 48.8 | 147,073.76 | 4.1 | 490 | 489 | Vitrified Clay Pipe-Circular-4 inch | 0.1 | 403,152.61 | 6.24 |

2015 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| D08019-D08017 | 10 | 59 | 0.017 | 37.5 | 653,054.40 | 4.16 | 475 | 474 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,178,655.20 | 6.74 |
| G08055-G08053 | 24 | 340 | 0.012 | 25.7 | 2,713,994.19 | 3.96 | 439 | 435 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 18,741,385.34 | 9.35 |
| G11015-G11013 | 33 | 670 | 0.007 | 36.1 | 5,604,402.52 | 4.09 | 382 | 377 | Vitrified Clay Pipe-Circular-33 inch | 5.9 | 34,895,220.67 | 9.15 |
| G08053-G08051 | 24 | 330 | 0.012 | 28 | 2,712,361.41 | 3.99 | 435 | 431 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 19,023,226.50 | 9.49 |
| C10021-C10019 | 8 | 27 | 0.074 | 18.1 | 77,544.58 | 4.23 | 497 | 495 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,512,007.45 | 12.96 |
| D07067-D07065 | 10 | 401 | 0.02 | 34.3 | 539,023.41 | 4.26 | 512 | 504 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,363,672.57 | 7.31 |
| D08017-D08015 | 10 | 328 | 0.018 | 58.8 | 658,172.24 | 4.28 | 474 | 468 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,263,357.79 | 7.00 |
| G10021-G10007 | 24 | 399 | 0.013 | 32.2 | 2,940,852.22 | 4.14 | 406 | 401 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 19,342,370.93 | 9.65 |
| G10005-G10003 | 30 | 445 | 0.009 | 27.9 | 5,041,853.59 | 4.21 | 398 | 394 | Vitrified Clay Pipe-Circular-30 inch | 4.9 | 29,702,147.10 | 9.38 |
| G05091-G05089 | 24 | 254 | 0.013 | 28 | 2,139,399.57 | 4.1 | 476 | 472.8 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 19,394,084.52 | 9.68 |
| D07001-D08025 | 10 | 388 | 0.02 | 48.1 | 617,156.90 | 4.37 | 486 | 478.32 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,354,394.62 | 7.29 |
| E05035-E05033 | 18 | 332 | 0.018 | 22.5 | 994,775.38 | 4.18 | 529 | 523 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 10,785,685.99 | 9.27 |
| E09023-E09021 | 15 | 156 | 0.019 | 29.3 | 1,006,040.34 | 4.38 | 435 | 432 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 6,842,101.74 | 8.82 |
| G09071-G09069 | 24 | 401 | 0.015 | 25.4 | 2,704,316.47 | 4.23 | 425 | 419 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 21,135,600.53 | 10.55 |
| D05115-E05055 | 18 | 422 | 0.019 | 20.9 | 978,967.03 | 4.28 | 543 | 535 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 11,046,633.79 | 9.50 |
| F11003-F11001 | 27 | 79 | 0.011 | 29.2 | 3,461,456.79 | 4.44 | 385 | 384.15 | Vitrified Clay Pipe-Circular-27 inch | 4 | 24,536,566.88 | 9.49 |
| G10003-G10001 | 30 | 400 | 0.01 | 27.2 | 5,034,427.80 | 4.35 | 394 | 390 | Vitrified Clay Pipe-Circular-30 inch | 4.9 | 31,328,373.98 | 9.89 |
| G08099-G08055 | 24 | 49 | 0.02 | 22.8 | 2,119,093.84 | 4.3 | 440 | 439 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 24,683,862.19 | 12.32 |
| F05023-F05021 | 24 | 188 | 0.016 | 20.7 | 1,854,380.00 | 4.35 | 495 | 492 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 21,826,940.06 | 10.89 |
| D10121-D10119 | 8 | 253 | 0.051 | 21.9 | 183,071.57 | 4.73 | 458 | 445 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,092,180.85 | 10.79 |
| D07063-D07061 | 10 | 110 | 0.027 | 33.5 | 569,805.45 | 4.81 | 500 | 497 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,763,622.97 | 8.55 |
| J11027-J11025 | 15 | 254 | 0.045 | 37.5 | 482,991.46 | 4.8 | 375 | 363.5 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 10,498,403.52 | 13.54 |
| K11051-K11049 | 15 | 67 | 0.03 | 22.7 | 469,877.18 | 4.82 | 353 | 351 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 8,524,497.66 | 10.99 |
| E09021-E09019 | 15 | 98 | 0.027 | 24.9 | 1,005,603.33 | 4.94 | 437.64 | 435 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 8,098,043.87 | 10.44 |
| D05117-D05115 | 18 | 439 | 0.027 | 19.1 | 944,153.90 | 4.81 | 555 | 543 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 13,264,764.74 | 11.40 |
| G10001-G11015 | 30 | 670 | 0.012 | 28.6 | 5,603,343.59 | 4.91 | 390 | 382 | Vitrified Clay Pipe-Circular-30 inch | 4.9 | 34,233,038.35 | 10.81 |
| K11053-K11051 | 15 | 197 | 0.036 | 15.6 | 464,072.69 | 5.12 | 360 | 353 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 9,300,517.33 | 11.99 |
| G07043-G07041 | 24 | 300 | 0.036 | 21.6 | 2,102,966.83 | 5.33 | 461.88 | 451 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 32,905,233.23 | 16.42 |
| K13049-K13001 | 12 | 76 | 0.105 | 10.7 | 213,665.40 | 5.76 | 327 | 319 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 8,828,820.67 | 17.08 |
| J12037-J12035 | 42 | 79 | 0.015 | 36.4 | 10,182,831.49 | 5.68 | 359.19 | 358 | Vitrified Clay Pipe-Circular-42 inch | 9.6 | 94,313,215.38 | 15.20 |
| K13041-K13039 | 15 | 142 | 0.049 | 25.3 | 796,415.78 | 5.96 | 331 | 324 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 10,954,587.97 | 14.12 |
| J11025-J11023 | 39 | 30 | 0.017 | 30.9 | 9,647,739.02 | 5.95 | 363.5 | 363 | Vitrified Clay Pipe-Circular-39 inch | 8.3 | 81,416,263.82 | 15.18 |
| F05039-F05037 | 24 | 14 | 0.071 | 17.8 | 1,647,911.52 | 7.16 | 501 | 500 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 46,179,277.65 | 23.05 |
| G09073-G09071 | 24 | 16 | 0.188 | 18.6 | 2,703,078.17 | 10.24 | 428 | 425 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 74,818,981.02 | 37.34 |

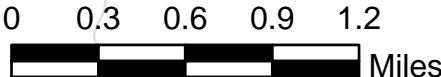
CITY OF PALM SPRINGS 2025 RESULTS WITHOUT PARCEL 4 FLOW



LEGEND

2025 w/o P4 Model Results

- Sufficient Capacity
- Semi-Critical
- Critical
- Freeways
- Streets



2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| J14065-J14063 | 8 | 61 | 0.008 | 0 | 0 | 0 | 339.5 | 339 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 835,618.20 | 4.31 |
| J14063-J14061 | 8 | 119 | 0.008 | 3.9 | 0 | 0 | 339 | 338 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 846,085.64 | 4.36 |
| H14015-H14013 | 8 | 103 | 0.01 | 8.6 | 0 | 0 | 372 | 371 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 909,429.83 | 4.69 |
| J15035-J15033 | 8 | 286 | 0.007 | 0 | 0 | 0 | 340 | 338 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 771,826.68 | 3.98 |
| J15033-J15031 | 8 | 287 | 0.007 | 1.9 | 0 | 0 | 338 | 336 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 770,480.86 | 3.97 |
| J14047-J14045 | 8 | 162 | 0.012 | 3.4 | 0 | 0 | 344 | 342 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,025,522.75 | 5.29 |
| J14003-J14001 | 8 | 176 | 0.006 | 0 | 0 | 0 | 336 | 335 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 695,715.17 | 3.59 |
| J14001-K14077 | 8 | 279 | 0.007 | 1.2 | 0 | 0 | 335 | 333 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 781,449.11 | 4.03 |
| K11059-K11057 | 8 | 225 | 0.018 | 0 | 0 | 0 | 361 | 357 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,230,627.30 | 6.35 |
| K11057-K11055 | 8 | 275 | 0.015 | 0 | 0 | 0 | 357 | 353 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,113,144.27 | 5.74 |
| K11045-K11043 | 8 | 105 | 0.01 | 0 | 0 | 0 | 361 | 360 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 900,726.95 | 4.65 |
| K11043-K11041 | 8 | 209 | 0.01 | 5 | 0 | 0 | 360 | 358 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 902,879.23 | 4.66 |
| K11055-K11031 | 8 | 349 | 0.013 | 36.7 | 0 | 0 | 353 | 348.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,048,048.43 | 5.41 |
| L14001-L13007 | 15 | 316 | 0.003 | 0 | 0 | 0 | 328 | 327 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,775,541.07 | 3.58 |
| L13007-L13005 | 15 | 319 | 0.003 | 0 | 0 | 0 | 327 | 326 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,762,459.11 | 3.56 |
| L13005-L13003 | 15 | 135 | 0.004 | 0 | 0 | 0 | 326 | 325.5 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,002,681.84 | 3.87 |
| L13003-L13001 | 15 | 132 | 0.004 | 1 | 0 | 0 | 325.5 | 325 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,036,611.52 | 3.92 |
| L13011-L13009 | 8 | 123 | 0.008 | 0 | 0 | 0 | 337 | 336 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 832,214.45 | 4.29 |
| L13013-L13009 | 8 | 232 | 0.004 | 0 | 0 | 0 | 337 | 336 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 605,959.80 | 3.13 |
| L13009-K13047 | 8 | 225 | 0.004 | 34.3 | 0 | 0 | 336 | 335 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 615,313.65 | 3.17 |
| L13113-L13111 | 8 | 110 | 0.009 | 0 | 0 | 0 | 330 | 329 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 880,017.82 | 4.54 |
| L13163-L13161 | 8 | 93 | 0.011 | 100 | 0 | 0 | 331 | 330 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 957,075.80 | 4.94 |
| L13161-L13159 | 8 | 196 | 0.005 | 100 | 0 | 0 | 330 | 329 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 659,264.62 | 3.40 |
| L13117-L13109 | 8 | 110 | 0.009 | 20.4 | 0 | 0 | 329 | 328 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 880,017.82 | 4.54 |
| L13069-L13067 | 8 | 107 | 0.009 | 0 | 0 | 0 | 335 | 334 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 892,269.23 | 4.60 |
| L13067-L13043 | 8 | 157 | 0.003 | 4.3 | 0 | 0 | 334 | 333.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 520,862.37 | 2.69 |
| L13121-L13119 | 8 | 251 | 0.004 | 0 | 0 | 0 | 330 | 329 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 582,573.80 | 3.00 |
| L13115-L13119 | 8 | 128 | 0.008 | 0 | 0 | 0 | 330 | 329 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 815,798.35 | 4.21 |
| L13119-L13107 | 8 | 309 | 0.006 | 95.4 | 0 | 0 | 329 | 327 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 742,546.35 | 3.83 |
| L13111-L13109 | 8 | 360 | 0.003 | 20.4 | 0 | 0 | 329 | 328 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 486,448.15 | 2.51 |
| L13109-L13107 | 8 | 256 | 0.004 | 100 | 0 | 0 | 328 | 327 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| L13107-L13105 | 8 | 265 | 0.004 | 100 | 0 | 0 | 327 | 326 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 566,976.25 | 2.92 |
| L14087-L14085 | 8 | 173 | 0.006 | 100 | 0 | 0 | 330 | 329 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 701,721.46 | 3.62 |
| L14085-L14083 | 8 | 254 | 0.004 | 100 | 0 | 0 | 329 | 328 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 579,123.18 | 2.99 |
| L13065-L13063 | 8 | 112 | 0.009 | 0 | 0 | 0 | 338 | 337 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 872,125.12 | 4.50 |
| L13063-L13061 | 8 | 121 | 0.002 | 0 | 0 | 0 | 337 | 336.75 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 419,532.03 | 2.16 |
| L13061-L13059 | 8 | 52 | 0.005 | 0 | 0 | 0 | 336.75 | 336.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 639,964.88 | 3.30 |
| L13059-L13057 | 8 | 57 | 0.004 | 0 | 0 | 0 | 336.5 | 336.25 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 611,252.13 | 3.15 |
| L13057-L13055 | 8 | 60 | 0.004 | 0 | 0 | 0 | 336.25 | 336 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 595,774.88 | 3.07 |
| L13055-L13053 | 8 | 91 | 0.005 | 0 | 0 | 0 | 336 | 335.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 684,151.23 | 3.53 |
| L13053-L13051 | 8 | 101 | 0.005 | 0 | 0 | 0 | 335.5 | 335 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 649,399.76 | 3.35 |
| L13071-L13043 | 8 | 190 | 0.003 | 4.3 | 0 | 0 | 334 | 333.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 473,473.86 | 2.44 |
| L13051-L13047 | 8 | 96 | 0.01 | 5.2 | 0 | 0 | 335 | 334 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 942,002.79 | 4.86 |
| L13075-L13073 | 8 | 132 | 0.008 | 0 | 0 | 0 | 332 | 331 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 803,342.68 | 4.14 |
| L13083-L13081 | 8 | 252 | 0.006 | 0 | 0 | 0 | 334 | 332.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 712,087.18 | 3.67 |
| L13165-L13159 | 8 | 118 | 0.008 | 100 | 0 | 0 | 330 | 329 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 849,663.19 | 4.38 |
| L13091-L13089 | 8 | 118 | 0.008 | 0 | 0 | 0 | 335 | 334 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 849,663.19 | 4.38 |
| L13033-L13031 | 8 | 201 | 0.005 | 4.2 | 0 | 0 | 332 | 331 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 651,013.18 | 3.36 |
| L13077-L13027 | 8 | 156 | 0.006 | 4.6 | 0 | 0 | 331 | 330 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 738,967.79 | 3.81 |
| L13101-L13099 | 8 | 246 | 0.004 | 0 | 0 | 0 | 335 | 334 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 588,464.48 | 3.03 |
| L13099-L13087 | 8 | 111 | 0.005 | 0 | 0 | 0 | 334 | 333.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 619,457.22 | 3.19 |
| L13097-L13095 | 8 | 157 | 0.006 | 0 | 0 | 0 | 336 | 335 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 736,610.63 | 3.80 |
| L13095-L13093 | 8 | 100 | 0.01 | 0 | 0 | 0 | 335 | 334 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 922,970.47 | 4.76 |
| L13093-L13087 | 8 | 110 | 0.005 | 0 | 0 | 0 | 334 | 333.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 622,266.57 | 3.21 |
| L13089-L13087 | 8 | 156 | 0.003 | 0 | 0 | 0 | 334 | 333.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 522,529.13 | 2.69 |
| L13087-L13085 | 8 | 117 | 0.004 | 0 | 0 | 0 | 333.5 | 333 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 603,364.67 | 3.11 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|-------------------------------------|-------------------------------------|----------------|-----------------------------|
| L13085-L13081 | 8 | 112 | 0.004 | 0 | 0 | 0 | 333 | 332.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 616,685.59 | 3.18 |
| L13081-L13079 | 8 | 118 | 0.004 | 0 | 0 | 0 | 332.5 | 332 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 600,802.60 | 3.10 |
| L13073-L13027 | 8 | 128 | 0.008 | 4.6 | 0 | 0 | 331 | 330 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 815,798.35 | 4.21 |
| L13079-L13023 | 8 | 96 | 0.031 | 4 | 0 | 0 | 332 | 329 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,631,596.70 | 8.41 |
| L14035-L14033 | 8 | 101 | 0.01 | 3 | 0 | 0 | 319 | 318 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 918,389.95 | 4.74 |
| L14061-L14059 | 8 | 75 | 0.005 | 50.3 | 0 | 0 | 314.41 | 314.01 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 674,042.33 | 3.48 |
| L14059-L14057 | 8 | 139 | 0.007 | 100 | 0 | 0 | 314.01 | 313 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 786,757.87 | 4.06 |
| L14077-L14075 | 8 | 214 | 0.012 | 7.1 | 0 | 0 | 316 | 313.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 997,587.33 | 5.14 |
| K15031-K15029 | 8 | 179 | 0.011 | 3 | 0 | 0 | 324 | 322 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 975,610.10 | 5.03 |
| K14091-K14089 | 8 | 209 | 0.014 | 6.7 | 0 | 0 | 321 | 318 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,105,796.70 | 5.70 |
| L14073-L14071 | 8 | 132 | 0.001 | 0 | 0 | 0 | 314.13 | 314 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 289,649.32 | 1.49 |
| L14071-L14069 | 8 | 100 | 0.009 | 0 | 0 | 0 | 314 | 313.09 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 880,457.72 | 4.54 |
| L14069-L14067 | 8 | 160 | 0.007 | 1.9 | 0 | 0 | 313.09 | 312 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 761,800.17 | 3.93 |
| L14067-L14065 | 8 | 119 | 0.001 | 13.5 | 0 | 0 | 312 | 311.87 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 305,060.52 | 1.57 |
| E08001-E09003 | 8 | 345 | 0.006 | 0 | 0 | 0 | 446 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 702,737.71 | 3.62 |
| E09003-E09001 | 8 | 332 | 0.003 | 5.4 | 0 | 0 | 444 | 443 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 506,545.85 | 2.61 |
| C01057-C01056 | 8 | 0 | 0.02 | 0 | 0 | 0 | 671.8 | 670.79 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,298,863.18 | 6.70 |
| C01058-C01056 | 8 | 190 | 0.005 | 0 | 0 | 0 | 671.76 | 670.79 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 659,472.78 | 3.40 |
| C01056-C01054 | 8 | 148.7 | 0.007 | 0 | 0 | 0 | 670.79 | 669.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 754,874.14 | 3.89 |
| C01054-C01052 | 8 | 250.1 | 0.019 | 0.9 | 0 | 0 | 669.8 | 665.02 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,273,693.39 | 6.57 |
| C01060-C02132 | 8 | 134.8 | 0.004 | 0.7 | 0 | 0 | 673.23 | 672.64 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 612,436.99 | 3.16 |
| B01022-B01020 | 8 | 59 | 0.022 | 0 | 0 | 0 | 695.57 | 694.23 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,379,318.56 | 7.11 |
| B01020-B01018 | 8 | 280 | 0.021 | 0.7 | 0 | 0 | 694.23 | 688.27 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,344,181.08 | 6.93 |
| B01073-B01071 | 8 | 0 | 0.014 | 0 | 0 | 0 | 713.71 | 712.36 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,100,253.83 | 5.67 |
| B01071-B01069 | 8 | 0 | 0.023 | 0 | 0 | 0 | 712.36 | 706.48 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,412,666.38 | 7.29 |
| B01069-B02011 | 8 | 298 | 0.024 | 0 | 0 | 0 | 706.48 | 699.22 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,438,204.10 | 7.42 |
| B02011-B02009 | 8 | 299 | 0.032 | 1.6 | 0 | 0 | 699.22 | 689.61 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,651,919.48 | 8.52 |
| C02095-C02094 | 8 | 122.6 | 0.005 | 0 | 0 | 0 | 673.96 | 673.35 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 649,980.26 | 3.35 |
| B01088-B01086 | 8 | 255.6 | 0.029 | 0.6 | 0 | 0 | 710.27 | 702.85 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,568,278.53 | 8.09 |
| C02099-C02097 | 8 | 0 | 0.014 | 0.6 | 0 | 0 | 672.38 | 668.79 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,074,266.65 | 5.54 |
| C02109-C02107 | 8 | 297.1 | 0.003 | 0 | 0 | 0 | 673.63 | 672.59 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 544,338.29 | 2.81 |
| C02107-C02105 | 8 | 297.1 | 0.004 | 1 | 0 | 0 | 672.59 | 671.45 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 566,133.58 | 2.92 |
| B02005-B02003 | 8 | 2,980.00 | 0.01 | 1 | 0 | 0 | 685.5 | 682.61 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 907,404.93 | 4.68 |
| C02094-C02092 | 8 | 300 | 0.025 | 0.6 | 0 | 0 | 673.35 | 665.86 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,455,946.67 | 7.51 |
| C01014-C01013 | 8 | 37 | 0.003 | 0 | 0 | 0 | 638.21 | 638.08 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 539,843.26 | 2.78 |
| C01013-C01011 | 8 | 300 | 0.003 | 0 | 0 | 0 | 638.08 | 637.03 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 545,128.90 | 2.81 |
| C01011-C02137 | 8 | 300 | 0.003 | 1 | 0 | 0 | 637.03 | 635.98 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 544,225.62 | 2.81 |
| B01044-B01043 | 8 | 167 | 0.01 | 0 | 0 | 0 | 713.97 | 712.38 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 900,592.10 | 4.64 |
| B01043-B01041 | 8 | 0 | 0.029 | 0 | 0 | 0 | 712.38 | 707.54 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,576,000.84 | 8.13 |
| B01041-B01039 | 8 | 300 | 0.023 | 0 | 0 | 0 | 707.54 | 700.63 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,398,439.18 | 7.21 |
| B01039-B01037 | 8 | 224 | 0.019 | 0 | 0 | 0 | 700.63 | 695.57 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,277,794.76 | 6.59 |
| B01037-B01035 | 8 | 0 | 0.002 | 0 | 0 | 0 | 695.57 | 695.41 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 393,555.93 | 2.03 |
| B02028-B02026 | 8 | 0 | 0.008 | 0.8 | 0 | 0 | 685.39 | 684.51 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 844,956.78 | 4.36 |
| B02022-B02020 | 8 | 173 | 0.004 | 1 | 0 | 0 | 689.31 | 688.63 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 575,338.24 | 2.97 |
| B01065-B01063 | 8 | 134 | 0.043 | 0 | 0 | 0 | 701.53 | 695.66 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,917,508.97 | 9.89 |
| B01063-B01061 | 8 | 229 | 0.038 | 0 | 0 | 0 | 695.66 | 686.88 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,807,246.22 | 9.32 |
| B01035-B01033 | 8 | 294 | 0.041 | 1.3 | 0 | 0 | 695.41 | 683.4 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,865,458.73 | 9.62 |
| B01061-B01057 | 8 | 136.7 | 0.014 | 0 | 0 | 0 | 686.88 | 685.03 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,076,475.67 | 5.55 |
| B01057-B01055 | 8 | 0 | 0.006 | 0 | 0 | 0 | 685.03 | 684.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 724,563.61 | 3.74 |
| B01055-B01052 | 8 | 0 | 0.008 | 0.9 | 0 | 0 | 684.5 | 683.15 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 815,326.65 | 4.20 |
| C02004-C02003 | 8 | 98 | 0.02 | 11.8 | 0 | 0 | 629 | 627 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,318,529.25 | 6.80 |
| C02116-C02114 | 8 | 300 | 0.024 | 0.9 | 0 | 0 | 647.85 | 640.48 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,444,236.46 | 7.45 |
| E03167-E03165 | 8 | 154 | 0.006 | 0 | 0 | 0 | 569 | 568 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 743,750.80 | 3.84 |
| E03165-E03163 | 8 | 100 | 0.01 | 0 | 0 | 0 | 568 | 567 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 922,970.47 | 4.76 |
| E03163-E03161 | 8 | 206 | 0.01 | 1.1 | 0 | 0 | 567 | 565 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 909,429.83 | 4.69 |
| E03149-E03147 | 4 | 72 | 0.021 | 2.9 | 0 | 0 | 561 | 559.5 | Vitrified Clay Pipe-Circular-4 inch | 0.1 | 209,807.27 | 3.25 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|-------------------------------------|-------------------------------------|----------------|-----------------------------|
| E03153-E03151 | 8 | 66 | 0.015 | 1.3 | 0 | 0 | 561 | 560 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,136,098.12 | 5.86 |
| D03082-D03081 | 8 | 216 | 0.014 | 0 | 0 | 0 | 620 | 617 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,087,731.13 | 5.61 |
| D03081-D03079 | 8 | 222 | 0.009 | 1 | 0 | 0 | 617 | 615 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 876,044.80 | 4.52 |
| D02049-D02047 | 8 | 253 | 0.008 | 3 | 0 | 0 | 606 | 604 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 820,620.84 | 4.23 |
| D04055-D04053 | 8 | 291 | 0.01 | 3.1 | 0 | 0 | 583 | 580 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 937,134.53 | 4.83 |
| E04015-E04013 | 6 | 114 | 0.061 | 3.9 | 0 | 0 | 564 | 557 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 1,061,975.35 | 8.22 |
| E03201-E03199 | 8 | 302 | 0.003 | 0 | 0 | 0 | 566 | 565 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 531,109.83 | 2.74 |
| E03199-E03197 | 8 | 101 | 0.005 | 0 | 0 | 0 | 565 | 564.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 649,399.76 | 3.35 |
| E03197-E03195 | 8 | 88 | 0.006 | 1.5 | 0 | 0 | 564.5 | 564 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 695,715.17 | 3.59 |
| E03025-E03023 | 8 | 221 | 0.019 | 0 | 0 | 0 | 556.66 | 552.44 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,275,404.36 | 6.58 |
| E03039-E03037 | 8 | 204 | 0.029 | 0 | 0 | 0 | 562.19 | 556.2 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,581,561.68 | 8.16 |
| E03037-E03035 | 8 | 227 | 0.007 | 0 | 0 | 0 | 556.2 | 554.57 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 782,111.52 | 4.03 |
| E03043-E03041 | 8 | 218 | 0.029 | 0 | 0 | 0 | 561.17 | 554.89 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,566,532.40 | 8.08 |
| E03041-E03033 | 8 | 242 | 0.005 | 0 | 0 | 0 | 554.89 | 553.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 619,431.62 | 3.19 |
| E03023-E03021 | 8 | 209 | 0.004 | 0 | 0 | 0 | 552.44 | 551.62 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 578,124.79 | 2.98 |
| E03035-E03033 | 8 | 253 | 0.003 | 0 | 0 | 0 | 554.57 | 553.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 509,181.84 | 2.63 |
| E03033-E03027 | 8 | 300 | 0.004 | 0 | 0 | 0 | 553.8 | 552.69 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 561,421.02 | 2.90 |
| E03031-E03029 | 8 | 192 | 0.025 | 0 | 0 | 0 | 558.26 | 553.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,453,251.13 | 7.50 |
| E03029-E03027 | 8 | 238 | 0.003 | 0 | 0 | 0 | 553.5 | 552.69 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 538,445.61 | 2.78 |
| E03027-E03021 | 8 | 252 | 0.004 | 0 | 0 | 0 | 552.69 | 551.62 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 601,422.16 | 3.10 |
| E03021-E03019 | 8 | 114 | 0.004 | 0 | 0 | 0 | 551.62 | 551.13 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 605,108.73 | 3.12 |
| E03019-E03017 | 8 | 15 | 0.009 | 0 | 0 | 0 | 551.13 | 551 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 859,238.75 | 4.43 |
| E03017-E03013 | 8 | 108 | 0.005 | 2.5 | 0 | 0 | 551 | 550.46 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 652,638.68 | 3.37 |
| E03171-E03169 | 4 | 122 | 0.012 | 4 | 0 | 0 | 558 | 556.5 | Vitrified Clay Pipe-Circular-4 inch | 0.1 | 161,178.41 | 2.49 |
| E03175-E03173 | 8 | 77 | 0.013 | 0 | 0 | 0 | 559 | 558 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,051,822.47 | 5.42 |
| E03173-E03169 | 8 | 299 | 0.005 | 2 | 0 | 0 | 558 | 556.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 653,729.14 | 3.37 |
| D04121-D04117 | 6 | 14 | 0.071 | 1.9 | 0 | 0 | 571 | 570 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 1,145,391.16 | 8.86 |
| E05099-E05097 | 8 | 13 | 0.462 | 4.9 | 0 | 0 | 540 | 534 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 6,270,349.61 | 32.34 |
| F04109-F04107 | 8 | 7 | 0.143 | 2.4 | 0 | 0 | 533 | 532 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,488,500.48 | 17.99 |
| G02037-G02035 | 8 | 242 | 0.004 | 0 | 0 | 0 | 512.1 | 511.22 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 556,572.14 | 2.87 |
| G02035-G02033 | 8 | 166 | 0.004 | 0 | 0 | 0 | 511.22 | 510.51 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 603,619.05 | 3.11 |
| G02033-G02031 | 8 | 95 | 0.005 | 12.2 | 0 | 0 | 510.51 | 509.99 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 682,853.71 | 3.52 |
| F03117-F03115 | 8 | 61 | 0.016 | 0 | 0 | 0 | 539 | 538 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,181,742.60 | 6.09 |
| F03115-F03113 | 8 | 187 | 0.005 | 0 | 0 | 0 | 538 | 537 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 674,942.85 | 3.48 |
| F03113-F03111 | 8 | 70 | 0.014 | 0 | 0 | 0 | 537 | 536 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,103,160.71 | 5.69 |
| G02041-G02039 | 8 | 125 | 0.003 | 0 | 0 | 0 | 512.58 | 512.22 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 495,317.93 | 2.55 |
| G02039-G02027 | 8 | 203 | 0.004 | 9.5 | 0 | 0 | 512.22 | 511.36 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 600,743.41 | 3.10 |
| F02059-F02057 | 8 | 71 | 0.011 | 53.8 | 0 | 0 | 524.77 | 524 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 961,178.38 | 4.96 |
| F02055-F02053 | 8 | 80 | 0.004 | 0 | 0 | 0 | 538.64 | 538.29 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 610,487.58 | 3.15 |
| G02023-G02021 | 8 | 176 | 0.003 | 9.4 | 0 | 0 | 512.77 | 512.22 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 515,956.18 | 2.66 |
| G02043-G02017 | 8 | 156 | 0.004 | 8.7 | 0 | 0 | 513.94 | 513.38 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 552,992.86 | 2.85 |
| F02009-F02007 | 8 | 106 | 0.012 | 2 | 0 | 0 | 536 | 534.73 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,010,268.32 | 5.21 |
| G02045-G02015 | 8 | 132 | 0.003 | 9.6 | 0 | 0 | 514.7 | 514.25 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 538,898.65 | 2.78 |
| G02047-G02013 | 8 | 138 | 0.005 | 9.6 | 0 | 0 | 515.82 | 515.13 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 652,638.68 | 3.37 |
| F02051-F02049 | 8 | 109 | 0.022 | 0.8 | 0 | 0 | 534.71 | 532.27 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,380,923.03 | 7.12 |
| F02053-F01007 | 8 | 258 | 0.004 | 0 | 0 | 0 | 538.29 | 537.24 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 588,806.51 | 3.04 |
| F01007-F01005 | 8 | 109 | 0.019 | 0 | 0 | 0 | 537.24 | 535.12 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,287,189.50 | 6.64 |
| F01005-F01003 | 8 | 134 | 0.011 | 0 | 0 | 0 | 535.12 | 533.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 950,122.45 | 4.90 |
| F01003-F01001 | 8 | 125 | 0.009 | 5.8 | 0 | 0 | 533.7 | 532.57 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 877,550.31 | 4.53 |
| F01025-F01023 | 8 | 93 | 0.006 | 0 | 0 | 0 | 532.52 | 531.94 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 728,887.21 | 3.76 |
| F01023-F01017 | 8 | 160 | 0.019 | 4.2 | 0 | 0 | 531.94 | 528.92 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,268,035.14 | 6.54 |
| F01027-F01015 | 8 | 175 | 0.005 | 3.5 | 0 | 0 | 528.42 | 527.52 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 661,896.43 | 3.41 |
| G02051-G02009 | 8 | 210 | 0.007 | 6.8 | 0 | 0 | 522.35 | 520.97 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 748,200.00 | 3.86 |
| G02049-G02011 | 8 | 144 | 0.004 | 8.6 | 0 | 0 | 517.16 | 516.58 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 585,761.14 | 3.02 |
| F02037-F02035 | 8 | 351 | 0.003 | 2 | 0 | 0 | 529.71 | 528.51 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 539,665.77 | 2.78 |
| F02035-F02033 | 8 | 112 | 0.005 | 0 | 0 | 0 | 530.32 | 529.71 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 681,151.49 | 3.51 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|-------------------------------------|-------------------------------------|----------------|-----------------------------|
| F02033-F02031 | 8 | 130 | 0.004 | 0 | 0 | 0 | 530.82 | 530.32 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 572,401.99 | 2.95 |
| F02031-F02029 | 8 | 298 | 0.016 | 0 | 0 | 0 | 535.55 | 530.82 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,162,813.98 | 6.00 |
| F02067-F02015 | 8 | 165 | 0.004 | 0 | 0 | 0 | 536.16 | 535.43 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 613,913.62 | 3.17 |
| F02027-F02025 | 8 | 100 | 0.002 | 0 | 0 | 0 | 536.41 | 536.24 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 380,550.47 | 1.96 |
| F02029-F02025 | 8 | 104 | 0.007 | 0 | 0 | 0 | 536.24 | 535.55 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 751,788.51 | 3.88 |
| F02025-F02023 | 8 | 109 | 0.008 | 0 | 0 | 0 | 537.14 | 536.24 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 838,679.09 | 4.33 |
| F02063-F02019 | 8 | 183 | 0.007 | 0 | 0 | 0 | 538.73 | 537.36 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 798,587.57 | 4.12 |
| F02065-F02017 | 8 | 154 | 0.004 | 0 | 0 | 0 | 537.02 | 536.38 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 595,000.64 | 3.07 |
| F02021-F02019 | 8 | 192 | 0.004 | 0 | 0 | 0 | 538.06 | 537.36 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 557,296.37 | 2.87 |
| F02019-F02017 | 8 | 226 | 0.004 | 0 | 0 | 0 | 537.36 | 536.38 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 607,780.31 | 3.13 |
| F02017-F02015 | 8 | 249 | 0.004 | 0 | 0 | 0 | 536.38 | 535.43 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 570,098.55 | 2.94 |
| F02015-F02013 | 8 | 246 | 0.004 | 0 | 0 | 0 | 535.43 | 534.35 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 611,550.23 | 3.15 |
| F02013-F02011 | 8 | 173 | 0.006 | 0.9 | 0 | 0 | 534.35 | 533.28 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 725,866.32 | 3.74 |
| D01073-D01071 | 8 | 76 | 0.007 | 3.2 | 0 | 0 | 608.15 | 607.64 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 756,077.13 | 3.90 |
| D01075-D01071 | 8 | 105 | 0.004 | 3.2 | 0 | 0 | 608.1 | 607.64 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 610,902.74 | 3.15 |
| D01059-D01057 | 8 | 195 | 0.029 | 0 | 0 | 0 | 613.23 | 607.61 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,566,890.54 | 8.08 |
| D01053-D01051 | 8 | 268 | 0.017 | 0 | 0 | 0 | 615.23 | 610.73 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,195,987.57 | 6.17 |
| D01061-D01057 | 8 | 117 | 0.009 | 0 | 0 | 0 | 608.63 | 607.61 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 861,777.13 | 4.44 |
| D01057-D01055 | 8 | 369 | 0.006 | 0 | 0 | 0 | 607.61 | 605.3 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 730,265.21 | 3.77 |
| D01055-E01023 | 8 | 299 | 0.008 | 0 | 0 | 0 | 605.3 | 602.77 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 849,009.35 | 4.38 |
| E01023-E01021 | 8 | 190 | 0.01 | 0 | 0 | 0 | 602.77 | 600.9 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 915,654.87 | 4.72 |
| D01051-D01049 | 8 | 252 | 0.019 | 0 | 0 | 0 | 610.73 | 605.93 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,273,820.27 | 6.57 |
| D01049-E01021 | 8 | 302 | 0.017 | 0 | 0 | 0 | 605.93 | 600.9 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,191,155.14 | 6.14 |
| E01021-E01019 | 8 | 111 | 0.036 | 0 | 0 | 0 | 600.9 | 596.94 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,743,307.15 | 8.99 |
| E01035-E01033 | 8 | 289 | 0.004 | 5.2 | 0 | 0 | 594.25 | 593.17 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 564,222.97 | 2.91 |
| E01019-E01017 | 8 | 175 | 0.047 | 7.8 | 0 | 0 | 596.94 | 588.73 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,999,126.89 | 10.31 |
| E03225-E03223 | 8 | 57 | 0.018 | 0 | 0 | 0 | 554 | 553 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,222,504.25 | 6.30 |
| E03223-E03221 | 8 | 104 | 0.01 | 0 | 0 | 0 | 553 | 552 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 905,047.01 | 4.67 |
| E05127-E05125 | 8 | 15 | 0.067 | 1.3 | 0 | 0 | 532 | 531 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,383,099.51 | 12.29 |
| E04155-E04141 | 6 | 125 | 0.024 | 4.9 | 0 | 0 | 535 | 532 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 663,931.79 | 5.14 |
| E04145-E04143 | 6 | 124 | 0.032 | 3.9 | 0 | 0 | 539 | 535 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 769,727.49 | 5.95 |
| E04139-E04137 | 6 | 122 | 0.025 | 5.3 | 0 | 0 | 533 | 530 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 672,045.31 | 5.20 |
| E02053-E02051 | 8 | 205 | 0.006 | 3.3 | 0 | 0 | 591.25 | 589.98 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 726,461.72 | 3.75 |
| F02075-F02074 | 8 | 222.9 | 0.007 | 2.8 | 0 | 0 | 539.38 | 537.79 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 767,401.16 | 3.96 |
| E02095-E02094 | 8 | 141 | 0.062 | 0 | 0 | 0 | 562.82 | 556.32 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,296,412.15 | 11.84 |
| E02094-E02092 | 8 | 192 | 0.015 | 0 | 0 | 0 | 556.32 | 552.78 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,132,805.91 | 5.84 |
| E02092-E02088 | 8 | 278 | 0.006 | 0 | 0 | 0 | 552.78 | 551.14 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 702,613.54 | 3.62 |
| E02090-E02088 | 8 | 170 | 0.006 | 0 | 0 | 0 | 552.1 | 551.14 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 685,565.26 | 3.54 |
| E02088-F02196 | 8 | 160 | 0.004 | 10.1 | 0 | 0 | 551.14 | 550.46 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 594,319.99 | 3.07 |
| E03233-E03231 | 8 | 172 | 0.006 | 0 | 0 | 0 | 547 | 546 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 703,758.39 | 3.63 |
| E03231-E03229 | 8 | 79 | 0.013 | 0 | 0 | 0 | 546 | 545 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,038,422.91 | 5.36 |
| D02113-D02111 | 8 | 148 | 0.03 | 1.3 | 0 | 0 | 598.46 | 594.06 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,591,414.42 | 8.21 |
| E02035-E02033 | 8 | 140 | 0.007 | 5.2 | 0 | 0 | 569.51 | 568.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 783,942.98 | 4.04 |
| E03205-E03203 | 8 | 138 | 0.036 | 0 | 0 | 0 | 552 | 547 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,756,844.27 | 9.06 |
| E03203-F03127 | 8 | 264 | 0.004 | 0 | 0 | 0 | 547 | 546 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 568,049.06 | 2.93 |
| F03127-F03125 | 8 | 277 | 0.004 | 0 | 0 | 0 | 546 | 545 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 554,559.21 | 2.86 |
| F03125-F03123 | 8 | 305 | 0.016 | 0 | 0 | 0 | 545 | 540 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,181,742.60 | 6.09 |
| F03123-F03121 | 8 | 295 | 0.01 | 0 | 0 | 0 | 540 | 537 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 930,759.39 | 4.80 |
| F03121-F03119 | 8 | 183 | 0.005 | 0 | 0 | 0 | 537 | 536 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 682,279.41 | 3.52 |
| F03111-F03109 | 8 | 108 | 0.009 | 0 | 0 | 0 | 536 | 535 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 888,128.75 | 4.58 |
| F03119-F03109 | 8 | 34 | 0.029 | 0 | 0 | 0 | 536 | 535 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,582,881.30 | 8.16 |
| F03109-F03107 | 8 | 241 | 0.004 | 0 | 0 | 0 | 535 | 534 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 594,537.55 | 3.07 |
| F03107-F03105 | 8 | 273 | 0.004 | 0 | 0 | 0 | 534 | 533 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 558,607.14 | 2.88 |
| F03105-F03103 | 8 | 241 | 0.001 | 0 | 0 | 0 | 533 | 532.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 265,885.27 | 1.37 |
| F02180-F02178 | 8 | 298 | 0.006 | 0 | 0 | 0 | 556.12 | 554.45 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 688,629.17 | 3.55 |
| F02178-F02176 | 8 | 239 | 0.006 | 0 | 0 | 0 | 554.45 | 553.06 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 695,203.84 | 3.59 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|-------------------------------------|-------------------------------------|----------------|-----------------------------|
| F02176-F02175 | 8 | 48 | 0.023 | 3 | 0 | 0 | 553.06 | 551.77 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,400,840.37 | 7.22 |
| F02194-F02192 | 8 | 245 | 0.004 | 9.5 | 0 | 0 | 551.05 | 549.88 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 604,226.01 | 3.12 |
| E03221-E03219 | 8 | 43 | 0.023 | 0 | 0 | 0 | 552 | 551 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,407,516.77 | 7.26 |
| E03219-E03217 | 8 | 83 | 0.012 | 0 | 0 | 0 | 551 | 550 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,013,091.71 | 5.22 |
| E03217-E03215 | 8 | 308 | 0.019 | 0 | 0 | 0 | 550 | 544 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,288,214.18 | 6.64 |
| F03135-E03215 | 8 | 337 | 0.003 | 0 | 0 | 0 | 545 | 544 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 502,774.05 | 2.59 |
| E03215-E03213 | 8 | 301 | 0.002 | 0 | 0 | 0 | 544 | 543.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 376,174.68 | 1.94 |
| E03227-E03213 | 8 | 88 | 0.04 | 0 | 0 | 0 | 547 | 543.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,840,689.32 | 9.49 |
| E03213-E03211 | 8 | 72 | 0.007 | 0 | 0 | 0 | 543.5 | 543 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 769,142.06 | 3.97 |
| E03211-E03209 | 8 | 34 | 0.015 | 0 | 0 | 0 | 543 | 542.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,119,266.10 | 5.77 |
| E03209-E03207 | 8 | 69 | 0.007 | 0 | 0 | 0 | 542.5 | 542 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 785,684.64 | 4.05 |
| E03229-E03207 | 8 | 137 | 0.022 | 0 | 0 | 0 | 545 | 542 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,365,803.28 | 7.04 |
| E03207-F03133 | 8 | 262 | 0.004 | 0 | 0 | 0 | 542 | 541 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 570,213.06 | 2.94 |
| F03133-F03131 | 8 | 300 | 0.007 | 0 | 0 | 0 | 541 | 539 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 753,602.23 | 3.89 |
| F03131-F03129 | 8 | 281 | 0.014 | 0 | 0 | 0 | 539 | 535 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,101,196.04 | 5.68 |
| F03103-F03101 | 8 | 45 | 0.007 | 0 | 0 | 0 | 532.8 | 532.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 753,602.23 | 3.89 |
| F03101-F03099 | 8 | 189 | 0.005 | 0 | 0 | 0 | 532.5 | 531.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 671,362.23 | 3.46 |
| F03129-F03099 | 8 | 289 | 0.012 | 0 | 0 | 0 | 535 | 531.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,015,717.44 | 5.24 |
| F03099-F03097 | 8 | 76 | 0.007 | 0 | 0 | 0 | 531.5 | 531 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 748,627.91 | 3.86 |
| F03097-F03095 | 8 | 45 | 0.007 | 0 | 0 | 0 | 531 | 530.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 753,602.23 | 3.89 |
| F03095-F03093 | 8 | 221 | 0.003 | 0 | 0 | 0 | 530.7 | 530 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 519,446.34 | 2.68 |
| F03093-F03091 | 8 | 95 | 0.011 | 0 | 0 | 0 | 530 | 529 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 946,947.72 | 4.88 |
| F01030-F02159 | 8 | 148 | 0.004 | 0.9 | 0 | 0 | 542.25 | 541.62 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 600,157.10 | 3.10 |
| F02096-F02094 | 8 | 306 | 0.002 | 1.5 | 0 | 0 | 544.5 | 544 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 453,615.24 | 2.34 |
| F03091-F03089 | 8 | 237 | 0.013 | 20.5 | 0 | 0 | 529 | 526 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,038,422.91 | 5.36 |
| E04161-E04159 | 8 | 22 | 0.045 | 0.8 | 0 | 0 | 538 | 537 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,967,779.66 | 10.15 |
| F03167-F03165 | 8 | 375 | 0.011 | 0 | 0 | 0 | 530.36 | 526.07 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 987,190.16 | 5.09 |
| F04159-F04157 | 8 | 284 | 0.009 | 0 | 0 | 0 | 527.48 | 524.82 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 893,242.66 | 4.61 |
| F04155-F04153 | 8 | 294 | 0.007 | 0 | 0 | 0 | 525.34 | 523.18 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 791,117.55 | 4.08 |
| F03173-F03171 | 8 | 284 | 0.009 | 0 | 0 | 0 | 531.22 | 528.54 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 896,594.43 | 4.62 |
| F03175-F03169 | 8 | 284 | 0.012 | 0 | 0 | 0 | 530.6 | 527.32 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 991,894.68 | 5.12 |
| F03171-F03169 | 8 | 242 | 0.005 | 0 | 0 | 0 | 528.54 | 527.32 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,329.98 | 3.38 |
| F03169-F03165 | 8 | 186 | 0.007 | 0 | 0 | 0 | 527.32 | 526.07 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 756,634.85 | 3.90 |
| F03165-F04157 | 8 | 237 | 0.005 | 0 | 0 | 0 | 526.07 | 524.82 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 670,299.11 | 3.46 |
| F04157-F04153 | 8 | 242 | 0.007 | 0 | 0 | 0 | 524.82 | 523.18 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 759,804.83 | 3.92 |
| F04153-F04147 | 8 | 224 | 0.009 | 20.8 | 0 | 0 | 523.18 | 521.2 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 867,753.54 | 4.48 |
| F03087-F03085 | 8 | 24 | 0.042 | 25.5 | 0 | 0 | 526 | 525 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,884,005.59 | 9.72 |
| F05101-F05077 | 8 | 20 | 0.05 | 37.4 | 0 | 0 | 508 | 507 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,063,824.72 | 10.64 |
| G05139-G05137 | 8 | 193 | 0.005 | 2 | 0 | 0 | 484 | 483 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 664,368.68 | 3.43 |
| F05029-F05025 | 8 | 173 | 0.012 | 1.8 | 0 | 0 | 499 | 497 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 992,384.00 | 5.12 |
| F05027-F05025 | 8 | 161 | 0.006 | 1.8 | 0 | 0 | 498 | 497 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 727,402.63 | 3.75 |
| F05117-F05103 | 8 | 33 | 0.03 | 20.1 | 0 | 0 | 505 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,606,685.36 | 8.29 |
| F05115-F05113 | 8 | 32 | 0.031 | 26.2 | 0 | 0 | 510 | 509 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,631,596.70 | 8.41 |
| F04111-F04103 | 8 | 126 | 0.032 | 3.7 | 0 | 0 | 532 | 528 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,644,494.90 | 8.48 |
| F04115-F04099 | 6 | 125 | 0.032 | 6 | 0 | 0 | 528 | 524 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 766,642.40 | 5.93 |
| F04113-F04101 | 8 | 125 | 0.024 | 4.2 | 0 | 0 | 529 | 526 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,429,859.71 | 7.37 |
| G02001-G03041 | 8 | 294 | 0.006 | 1.3 | 0 | 0 | 512.73 | 510.87 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 734,126.01 | 3.79 |
| D09007-D09005 | 8 | 72 | 0 | 50 | 0 | 0 | 433 | 433 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 0 | 0.00 |
| D09005-D09003 | 8 | 62 | 0 | 50 | 0 | 0 | 433 | 433 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 0 | 0.00 |
| D09003-D09001 | 8 | 52 | 0 | 50 | 0 | 0 | 433 | 433 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 0 | 0.00 |
| D09001-E09033 | 8 | 61 | 0 | 50 | 0 | 0 | 433 | 433 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 0 | 0.00 |
| E09033-E09031 | 8 | 61 | 0 | 50 | 0 | 0 | 433 | 433 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 0 | 0.00 |
| E09031-E09029 | 8 | 63 | 0.016 | 33.4 | 0 | 0 | 433 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,162,833.49 | 6.00 |
| E09029-E09027 | 8 | 57 | 0 | 66.8 | 0 | 0 | 432 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 0 | 0.00 |
| E09027-E09025 | 8 | 63 | 0 | 66.8 | 0 | 0 | 432 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 0 | 0.00 |
| E09025-E09023 | 8 | 56 | 0 | 66.8 | 0 | 0 | 432 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 0 | 0.00 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| C06087-C06085 | 8 | 6 | 0.167 | 0.4 | 0 | 0 | 606 | 605 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,768,011.17 | 19.43 |
| C05031-C05029 | 8 | 102 | 0.01 | 1.8 | 0 | 0 | 692 | 691 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 913,876.95 | 4.71 |
| C07071-C07065 | 6 | 88 | 0.023 | 2.1 | 0 | 0 | 527 | 525 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 646,087.75 | 5.00 |
| C08019-C08017 | 8 | 45 | 0.102 | 0 | 0 | 0 | 531.25 | 526.67 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,944,518.51 | 15.19 |
| C08017-C08015 | 8 | 309 | 0.024 | 0 | 0 | 0 | 526.67 | 519.28 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,427,351.01 | 7.36 |
| C08015-C08013 | 8 | 106 | 0.015 | 0 | 0 | 0 | 519.28 | 517.72 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,119,688.39 | 5.77 |
| C08013-C08011 | 8 | 134 | 0.02 | 0 | 0 | 0 | 517.72 | 515.1 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,290,583.34 | 6.66 |
| C08011-C08009 | 8 | 309 | 0.012 | 0 | 0 | 0 | 515.1 | 511.53 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 992,070.82 | 5.12 |
| C08009-C08007 | 8 | 47 | 0.018 | 0 | 0 | 0 | 511.53 | 510.69 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,233,895.90 | 6.36 |
| C08007-C08005 | 8 | 81 | 0.009 | 5.7 | 0 | 0 | 510.69 | 510 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 851,863.17 | 4.39 |
| D07107-D07131 | 8 | 277 | 0.014 | 2.5 | 0 | 0 | 503 | 499 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,109,118.42 | 5.72 |
| E09093-E09087 | 8 | 49 | 0 | 66.4 | 0 | 0 | 431 | 431 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 0 | 0.00 |
| E09089-E09087 | 8 | 149 | 0 | 66.4 | 0 | 0 | 431 | 431 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 0 | 0.00 |
| E09091-E09087 | 8 | 6 | 0 | 66.4 | 0 | 0 | 431 | 431 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 0 | 0.00 |
| D06093-D06091 | 8 | 338 | 0.015 | 2.4 | 0 | 0 | 553 | 548 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,122,572.66 | 5.79 |
| D07093-D07091 | 8 | 195 | 0.036 | 13.5 | 0 | 0 | 492 | 485 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,748,716.96 | 9.02 |
| D06147-D06143 | 10 | 24 | 0.021 | 7.6 | 0 | 0 | 504 | 503.5 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,415,426.85 | 7.47 |
| E06073-E06071 | 8 | 9 | 0.111 | 2.6 | 0 | 0 | 518 | 517 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,076,568.24 | 15.87 |
| E08031-E08029 | 15 | 262 | 0.008 | 1.1 | 0 | 0 | 459 | 457 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,310,776.95 | 5.56 |
| E09101-E09099 | 8 | 99 | 0.01 | 2.1 | 0 | 0 | 429 | 428 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 927,620.23 | 4.78 |
| E10025-E10023 | 8 | 230 | 0.004 | 0 | 0 | 0 | 428 | 427 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 608,588.71 | 3.14 |
| E10023-E09097 | 8 | 287 | 0.007 | 2.9 | 0 | 0 | 427 | 425 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 770,480.86 | 3.97 |
| E10019-E10017 | 15 | 400 | 0.01 | 0 | 0 | 0 | 425 | 421 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,933,909.73 | 6.36 |
| E10017-E10015 | 15 | 402 | 0.002 | 0 | 0 | 0 | 421 | 420 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,460,810.51 | 3.17 |
| E10015-E10013 | 15 | 317 | 0.003 | 1.7 | 0 | 0 | 420 | 419 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,771,159.79 | 3.57 |
| E09067-E09065 | 8 | 231 | 0.013 | 3.5 | 0 | 0 | 425 | 422 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,051,822.47 | 5.42 |
| F09009-F09007 | 8 | 154 | 0.007 | 0 | 0 | 0 | 423 | 421.93 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 769,341.81 | 3.97 |
| F09007-F09005 | 8 | 49 | 0.003 | 3.6 | 0 | 0 | 421.93 | 421.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 475,402.48 | 2.45 |
| E09055-E09053 | 8 | 32 | 0.031 | 2.1 | 0 | 0 | 445 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,631,596.70 | 8.41 |
| F09073-F09071 | 8 | 217 | 0.009 | 0 | 0 | 0 | 420 | 418 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 886,080.01 | 4.57 |
| F09071-F09069 | 8 | 215 | 0.009 | 0 | 0 | 0 | 418 | 416 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 890,191.77 | 4.59 |
| F09069-F09067 | 8 | 263 | 0.004 | 1.8 | 0 | 0 | 416 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 569,127.97 | 2.94 |
| G11053-G11051 | 8 | 125 | 0.008 | 2.9 | 0 | 0 | 387 | 386 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 825,529.89 | 4.26 |
| H06053-H06051 | 8 | 142 | 0.007 | 1.4 | 0 | 0 | 449 | 448 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 774,539.61 | 3.99 |
| G04067-G04065 | 8 | 15 | 0.033 | 0 | 0 | 0 | 495 | 494.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,685,105.82 | 8.69 |
| G04065-G04063 | 8 | 199 | 0.003 | 3.1 | 0 | 0 | 494.5 | 494 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 462,643.29 | 2.39 |
| G03007-G03005 | 8 | 256 | 0.004 | 0 | 0 | 0 | 495 | 494 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| G03005-G03003 | 8 | 186 | 0.005 | 2.5 | 0 | 0 | 494 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 676,754.78 | 3.49 |
| H06011-H06009 | 8 | 23 | 0.026 | 19.5 | 0 | 0 | 440 | 439.41 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,478,256.83 | 7.62 |
| D16031-D17011 | 8 | 129 | 0.053 | 0 | 0 | 0 | 633.16 | 626.34 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,122,194.28 | 10.95 |
| E18083-E18081 | 8 | 288 | 0.009 | 0 | 0 | 0 | 539.07 | 536.53 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 866,779.08 | 4.47 |
| E18081-E18079 | 8 | 288 | 0.01 | 0 | 0 | 0 | 536.53 | 533.76 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 905,172.70 | 4.67 |
| E18075-E18073 | 8 | 327 | 0.014 | 0 | 0 | 0 | 545.18 | 540.69 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,081,526.34 | 5.58 |
| E18077-E18055 | 8 | 259 | 0.008 | 4.5 | 0 | 0 | 532 | 529.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 850,646.79 | 4.39 |
| E18085-D18033 | 8 | 304 | 0.006 | 0 | 0 | 0 | 536.94 | 534.99 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 739,210.83 | 3.81 |
| D18033-D18031 | 8 | 298 | 0.007 | 0 | 0 | 0 | 534.99 | 532.93 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 767,384.96 | 3.96 |
| D18031-D18029 | 8 | 298 | 0.007 | 0 | 0 | 0 | 532.93 | 530.71 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 796,629.09 | 4.11 |
| E18073-E18071 | 8 | 315 | 0.015 | 0 | 0 | 0 | 540.69 | 536 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,126,208.89 | 5.81 |
| E18071-E18057 | 8 | 326 | 0.009 | 3.6 | 0 | 0 | 536 | 533.21 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 853,849.07 | 4.40 |
| E18087-D18039 | 8 | 301 | 0.003 | 0 | 0 | 0 | 538 | 537.02 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 526,644.55 | 2.72 |
| D18039-D18037 | 8 | 301 | 0.007 | 0 | 0 | 0 | 537.02 | 534.87 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 780,052.42 | 4.02 |
| D18037-D18035 | 8 | 300 | 0.007 | 0 | 0 | 0 | 534.87 | 532.69 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 786,783.83 | 4.06 |
| D18035-D18029 | 8 | 288 | 0.007 | 0 | 0 | 0 | 532.69 | 530.71 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 765,286.69 | 3.95 |
| E18079-D18027 | 8 | 319 | 0.006 | 0 | 0 | 0 | 533.76 | 531.94 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 697,153.09 | 3.60 |
| D18027-D18025 | 8 | 319 | 0.005 | 0 | 0 | 0 | 531.94 | 530.29 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 663,795.70 | 3.42 |
| D18029-D18023 | 8 | 288 | 0.014 | 0 | 0 | 0 | 530.71 | 526.75 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,082,278.81 | 5.58 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| D18025-D18023 | 8 | 321 | 0.011 | 0 | 0 | 0 | 530.29 | 526.75 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 969,252.48 | 5.00 |
| D18023-D18021 | 8 | 284 | 0.007 | 0 | 0 | 0 | 526.75 | 524.9 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 744,928.35 | 3.84 |
| E18053-E18051 | 8 | 130 | 0.014 | 3.4 | 0 | 0 | 530 | 528.15 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,101,037.21 | 5.68 |
| D18021-D18019 | 8 | 152 | 0.007 | 0 | 0 | 0 | 524.9 | 523.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 785,167.57 | 4.05 |
| D18041-D18019 | 8 | 74 | 0.029 | 0 | 0 | 0 | 525.97 | 523.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,580,526.62 | 8.15 |
| D18019-D18013 | 8 | 204 | 0.014 | 4.5 | 0 | 0 | 523.8 | 520.93 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,094,746.77 | 5.65 |
| D17065-D17063 | 12 | 144 | 0.021 | 0 | 0 | 0 | 521 | 518 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,927,750.38 | 7.60 |
| D17063-D17061 | 8 | 97 | 0.031 | 0 | 0 | 0 | 518 | 515 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,623,164.62 | 8.37 |
| D17061-D17059 | 8 | 20 | 0.188 | 14.2 | 0 | 0 | 515 | 511.25 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,996,579.38 | 20.61 |
| D17025-D17023 | 12 | 193 | 0.031 | 1.3 | 0 | 0 | 520 | 514 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 4,798,013.53 | 9.28 |
| D17053-D17047 | 8 | 205 | 0.022 | 2.7 | 0 | 0 | 545.31 | 540.87 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,358,320.83 | 7.01 |
| D17011-D17009 | 8 | 198 | 0.09 | 0 | 0 | 0 | 626.34 | 608.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,770,464.80 | 14.29 |
| D17009-D17007 | 8 | 41 | 0.085 | 0 | 0 | 0 | 608.5 | 605 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,696,683.02 | 13.91 |
| D17007-D17005 | 8 | 51 | 0.078 | 0 | 0 | 0 | 605 | 601.03 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,575,122.97 | 13.28 |
| D17005-D17003 | 8 | 61 | 0.174 | 0 | 0 | 0 | 601.03 | 590.44 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,845,659.86 | 19.83 |
| D17043-D17041 | 8 | 112 | 0.223 | 0 | 0 | 0 | 581.6 | 556.61 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 4,359,753.39 | 22.49 |
| D17055-D17027 | 8 | 239 | 0.021 | 3.3 | 0 | 0 | 525 | 520 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,334,977.23 | 6.89 |
| D17029-D17027 | 8 | 226 | 0.022 | 3.3 | 0 | 0 | 525 | 520 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,372,835.78 | 7.08 |
| D17039-D17037 | 8 | 215 | 0.008 | 0.6 | 0 | 0 | 539.13 | 537.33 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 844,510.06 | 4.36 |
| D17041-D17037 | 8 | 324 | 0.06 | 0.6 | 0 | 0 | 556.61 | 537.33 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,251,483.75 | 11.61 |
| D17035-D17033 | 8 | 217 | 0.003 | 2.2 | 0 | 0 | 528.6 | 527.95 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 505,143.33 | 2.61 |
| D17003-D17001 | 8 | 110 | 0.231 | 0 | 0 | 0 | 590.44 | 565 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 4,438,640.98 | 22.89 |
| D17001-D16029 | 8 | 171 | 0.173 | 0 | 0 | 0 | 565 | 535.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,833,546.72 | 19.77 |
| D16027-D16025 | 8 | 193 | 0.09 | 0 | 0 | 0 | 550.86 | 533.48 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,769,708.34 | 14.28 |
| D16025-D16023 | 8 | 114 | 0.017 | 0 | 0 | 0 | 533.48 | 531.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,216,376.38 | 6.27 |
| D16029-D16023 | 8 | 136 | 0.029 | 0 | 0 | 0 | 535.5 | 531.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,582,881.30 | 8.16 |
| D16023-D16021 | 8 | 107 | 0.203 | 0.7 | 0 | 0 | 531.5 | 509.73 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 4,163,179.47 | 21.47 |
| E18130-E18126 | 8 | 190 | 0.005 | 0 | 0 | 0 | 530 | 529 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 669,593.16 | 3.45 |
| E18128-E18126 | 8 | 106 | 0.01 | 0 | 0 | 0 | 530.09 | 529 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 935,940.25 | 4.83 |
| E18126-E18124 | 8 | 197 | 0.007 | 0 | 0 | 0 | 529 | 527.64 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 766,874.24 | 3.96 |
| E18124-F18045 | 8 | 236 | 0.009 | 0 | 0 | 0 | 527.64 | 525.62 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 853,900.94 | 4.40 |
| F18045-F17041 | 12 | 203 | 0.009 | 0 | 0 | 0 | 525.62 | 523.88 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,519,365.07 | 4.87 |
| D12015-D12013 | 8 | 309 | 0.003 | 0 | 0 | 0 | 430 | 429 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 525,059.56 | 2.71 |
| D12013-D13027 | 8 | 155 | 0.006 | 8.2 | 0 | 0 | 429 | 428 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 741,347.72 | 3.82 |
| E14077-E14075 | 6 | 226 | 0.009 | 4.8 | 0 | 0 | 457 | 455 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 403,161.10 | 3.12 |
| F17011-F17009 | 12 | 336 | 0.01 | 0 | 0 | 0 | 513.23 | 510 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,668,063.25 | 5.16 |
| F17009-F17007 | 12 | 234 | 0.004 | 0 | 0 | 0 | 510 | 509 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,778,920.62 | 3.44 |
| F17007-F17005 | 12 | 250 | 0.004 | 10.4 | 0 | 0 | 509 | 508 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,721,053.99 | 3.33 |
| E17034-E17032 | 8 | 168 | 0.006 | 0 | 0 | 0 | 526 | 525 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 712,087.18 | 3.67 |
| E17032-E17030 | 8 | 152 | 0.007 | 0 | 0 | 0 | 525 | 524 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 748,627.91 | 3.86 |
| F19026-F19024 | 8 | 147 | 0.098 | 1.1 | 0 | 0 | 609.5 | 595 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,888,956.15 | 14.90 |
| F20003-F20001 | 8 | 262.8 | 0.135 | 0.8 | 0 | 0 | 719.81 | 684.48 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,389,291.95 | 17.48 |
| F19033-F19032 | 8 | 26 | 0.033 | 5.2 | 0 | 0 | 559 | 558.12 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,666,277.24 | 8.59 |
| F19016-F19015 | 8 | 26 | 0.053 | 7.7 | 0 | 0 | 554 | 552.57 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,124,095.04 | 10.95 |
| E17030-F17047 | 8 | 239 | 0.004 | 0 | 0 | 0 | 524 | 523 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 597,019.97 | 3.08 |
| F17047-F17039 | 8 | 241 | 0.004 | 0 | 0 | 0 | 523 | 522.1 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 564,027.84 | 2.91 |
| E18122-E18120 | 8 | 259 | 0.009 | 0 | 0 | 0 | 530.51 | 528.05 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 899,508.93 | 4.64 |
| E18120-E17043 | 8 | 251 | 0.011 | 0 | 0 | 0 | 528.05 | 525.24 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 976,571.64 | 5.04 |
| E17043-E17040 | 8 | 212 | 0.011 | 3.3 | 0 | 0 | 525.24 | 523 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 948,732.74 | 4.89 |
| F17041-F17039 | 12 | 199 | 0.009 | 0 | 0 | 0 | 523.88 | 522.1 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,573,640.97 | 4.98 |
| F17039-F17037 | 8 | 215 | 0.007 | 0 | 0 | 0 | 522.1 | 520.57 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 778,599.81 | 4.02 |
| F17037-F17035 | 8 | 217 | 0.006 | 0 | 0 | 0 | 520.57 | 519.27 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 714,380.54 | 3.68 |
| F17035-F17033 | 8 | 121 | 0.024 | 6.8 | 0 | 0 | 519.27 | 516.41 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,418,986.09 | 7.32 |
| E17053-E17051 | 8 | 300 | 0.003 | 0 | 0 | 0 | 524.23 | 523.19 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 543,430.30 | 2.80 |
| E17051-E17050 | 8 | 49 | 0.006 | 0 | 0 | 0 | 523.19 | 522.91 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 697,700.10 | 3.60 |
| E17050-E17048 | 8 | 198 | 0.003 | 0 | 0 | 0 | 522.91 | 522.22 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 544,853.52 | 2.81 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| E17048-E17046 | 8 | 197 | 0.005 | 4.3 | 0 | 0 | 522.22 | 521.33 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 620,368.44 | 3.20 |
| F17032-F17030 | 8 | 167 | 0.011 | 6.5 | 0 | 0 | 518.13 | 516.23 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 984,478.81 | 5.08 |
| F14141-F14137 | 8 | 219 | 0.009 | 0.8 | 0 | 0 | 433 | 431 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 882,024.70 | 4.55 |
| F14139-F14137 | 8 | 72 | 0.028 | 0.8 | 0 | 0 | 433 | 431 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,538,284.12 | 7.93 |
| F13089-F13087 | 8 | 144 | 0.014 | 0.9 | 0 | 0 | 426 | 424 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,087,731.13 | 5.61 |
| E14019-E14017 | 15 | 310 | 0.003 | 0.5 | 0 | 0 | 453 | 452 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,802,272.42 | 3.61 |
| F13073-F13071 | 8 | 213 | 0.005 | 4.7 | 0 | 0 | 413 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 632,408.95 | 3.26 |
| J06095-J06093 | 8 | 62 | 0.017 | 0.8 | 0 | 0 | 435.44 | 434.39 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,201,120.59 | 6.19 |
| J06073-J06071 | 8 | 275 | 0.01 | 0 | 0 | 0 | 428.04 | 425.21 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 936,299.26 | 4.83 |
| J06071-J06069 | 8 | 259 | 0.025 | 0 | 0 | 0 | 425.21 | 418.82 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,449,734.10 | 7.48 |
| J06065-J06063 | 8 | 226 | 0.006 | 0 | 0 | 0 | 434.17 | 432.74 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 734,178.41 | 3.79 |
| J06063-J06061 | 8 | 301 | 0.006 | 0 | 0 | 0 | 432.74 | 430.83 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 735,226.65 | 3.79 |
| J06061-J06059 | 8 | 295 | 0.006 | 0 | 0 | 0 | 430.83 | 428.92 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 742,665.90 | 3.83 |
| J06059-J06057 | 8 | 300 | 0.006 | 3.7 | 0 | 0 | 428.92 | 427.04 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 730,644.47 | 3.77 |
| J07135-J07133 | 8 | 109 | 0.033 | 2.3 | 0 | 0 | 423.72 | 420.09 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,684,332.66 | 8.69 |
| J06055-J06053 | 8 | 181 | 0.007 | 0 | 0 | 0 | 431.69 | 430.38 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 785,207.01 | 4.05 |
| J06053-J06051 | 8 | 180 | 0.007 | 0 | 0 | 0 | 430.38 | 429.07 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 787,385.12 | 4.06 |
| J06051-J06049 | 8 | 290 | 0.007 | 0 | 0 | 0 | 429.07 | 427.03 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 774,112.16 | 3.99 |
| J06049-J06047 | 8 | 292 | 0.006 | 3.6 | 0 | 0 | 427.03 | 425.15 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 740,585.67 | 3.82 |
| H06073-H06071 | 8 | 214 | 0.009 | 4.7 | 0 | 0 | 440.94 | 439.08 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 860,473.29 | 4.44 |
| J06081-J06079 | 8 | 254 | 0.008 | 3.8 | 0 | 0 | 429.34 | 427.25 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 837,228.67 | 4.32 |
| J06069-J06067 | 8 | 38 | 0.036 | 8.1 | 0 | 0 | 418.82 | 417.47 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,739,654.05 | 8.97 |
| J07127-J07125 | 10 | 57 | 0.024 | 7 | 0 | 0 | 417 | 415.66 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,565,839.46 | 7.94 |
| D11087-D11085 | 8 | 38 | 0.026 | 0.8 | 0 | 0 | 450 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,497,255.82 | 7.72 |
| H08013-H08009 | 8 | 427 | 0.002 | 7.3 | 0 | 0 | 434 | 433 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 446,656.72 | 2.30 |
| F06139-F06137 | 8 | 303 | 0.013 | 0 | 0 | 0 | 493 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,060,465.36 | 5.47 |
| F06137-F06129 | 8 | 90 | 0.017 | 8.5 | 0 | 0 | 489 | 487.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,191,549.76 | 6.15 |
| F06135-F06133 | 8 | 202 | 0.005 | 0 | 0 | 0 | 490 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 649,399.76 | 3.35 |
| F06133-F06131 | 8 | 231 | 0.004 | 2.9 | 0 | 0 | 489 | 488 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 607,269.99 | 3.13 |
| F07155-F07153 | 8 | 93 | 0.022 | 2.3 | 0 | 0 | 468 | 466 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,353,509.57 | 6.98 |
| F05005-F05003 | 8 | 15 | 0.067 | 2.3 | 0 | 0 | 501 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,383,099.51 | 12.29 |
| J07071-J07069 | 8 | 289 | 0.004 | 0 | 0 | 0 | 413.5 | 412.45 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 556,331.35 | 2.87 |
| J07069-J07067 | 8 | 300 | 0.003 | 0 | 0 | 0 | 412.45 | 411.41 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 543,430.30 | 2.80 |
| J07067-J07065 | 8 | 293 | 0.004 | 0 | 0 | 0 | 411.41 | 410.16 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 602,849.64 | 3.11 |
| J07065-J07063 | 8 | 301 | 0.005 | 0 | 0 | 0 | 410.16 | 408.64 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,882.97 | 3.38 |
| J07063-J07061 | 8 | 230 | 0.005 | 0 | 0 | 0 | 408.64 | 407.6 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 620,641.14 | 3.20 |
| J07073-J07061 | 8 | 170 | 0.004 | 0 | 0 | 0 | 408.2 | 407.6 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 548,326.17 | 2.83 |
| J07061-J07059 | 8 | 290 | 0.004 | 0 | 0 | 0 | 407.6 | 406.58 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 547,379.96 | 2.82 |
| J07059-J08113 | 8 | 185 | 0.003 | 0 | 0 | 0 | 406.58 | 405.94 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 542,865.11 | 2.80 |
| J08113-J08111 | 8 | 129 | 0.005 | 0 | 0 | 0 | 405.94 | 405.29 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,163.40 | 3.38 |
| J08115-J08111 | 8 | 106 | 0.005 | 0 | 0 | 0 | 405.85 | 405.29 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 670,855.35 | 3.46 |
| J08111-J08109 | 8 | 275 | 0.003 | 0 | 0 | 0 | 405.29 | 404.37 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 533,845.24 | 2.75 |
| J06099-J07159 | 8 | 46 | 0.033 | 0 | 0 | 0 | 422 | 420.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,666,688.81 | 8.60 |
| J06101-J07165 | 8 | 307 | 0.004 | 0 | 0 | 0 | 419.9 | 418.61 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 598,292.38 | 3.09 |
| J07165-J07163 | 8 | 351 | 0.003 | 1.8 | 0 | 0 | 418.61 | 417.41 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 539,665.77 | 2.78 |
| J07159-J07157 | 8 | 287 | 0.006 | 0 | 0 | 0 | 420.5 | 418.77 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 716,588.63 | 3.70 |
| J07167-J07151 | 8 | 69 | 0.006 | 1.9 | 0 | 0 | 413 | 412.57 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 728,613.96 | 3.76 |
| J07157-J07155 | 8 | 253 | 0.006 | 0 | 0 | 0 | 418.77 | 417.24 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 717,750.10 | 3.70 |
| J07155-J07153 | 8 | 143 | 0.007 | 1.5 | 0 | 0 | 417.24 | 416.18 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 794,644.21 | 4.10 |
| J07173-J07145 | 8 | 67 | 0.007 | 1.9 | 0 | 0 | 410.19 | 409.75 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 747,957.19 | 3.86 |
| J07169-J07149 | 8 | 69 | 0.007 | 1.9 | 0 | 0 | 411.89 | 411.44 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 745,365.90 | 3.84 |
| J07171-J07149 | 8 | 69 | 0.007 | 1.9 | 0 | 0 | 411.89 | 411.44 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 745,365.90 | 3.84 |
| J07175-J07143 | 8 | 67 | 0.007 | 1.9 | 0 | 0 | 409.09 | 408.65 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 747,957.19 | 3.86 |
| F06021-F06039 | 8 | 256 | 0.004 | 0 | 0 | 0 | 485 | 484 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| F06039-F06037 | 8 | 329 | 0.012 | 1.3 | 0 | 0 | 484 | 480 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,017,700.19 | 5.25 |
| F09123-F09111 | 8 | 167 | 0.006 | 4 | 0 | 0 | 431 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 714,215.99 | 3.68 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| F09107-F09105 | 8 | 152 | 0.007 | 6.3 | 0 | 0 | 428 | 427 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 748,627.91 | 3.86 |
| F08027-F08025 | 8 | 216 | 0.005 | 1.4 | 0 | 0 | 445 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 628,001.86 | 3.24 |
| F09079-G09031 | 8 | 203 | 0.005 | 0 | 0 | 0 | 422 | 421 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 647,798.28 | 3.34 |
| G09031-G09029 | 8 | 215 | 0.005 | 14.9 | 0 | 0 | 421 | 420 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 629,460.64 | 3.25 |
| F07029-F07027 | 8 | 118 | 0.008 | 0 | 0 | 0 | 461 | 460 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 849,663.19 | 4.38 |
| F07027-F07025 | 8 | 335 | 0.006 | 1.3 | 0 | 0 | 460 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 713,149.20 | 3.68 |
| F07031-F07025 | 8 | 199 | 0.005 | 1.3 | 0 | 0 | 459 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 654,276.42 | 3.37 |
| F06049-F06047 | 8 | 128 | 0.016 | 0 | 0 | 0 | 489 | 487 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,153,713.09 | 5.95 |
| F06047-F06045 | 8 | 266 | 0.008 | 0 | 0 | 0 | 487 | 485 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 800,316.90 | 4.13 |
| F06045-F06043 | 8 | 264 | 0.038 | 0 | 0 | 0 | 485 | 475 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,796,328.85 | 9.26 |
| F06043-F06041 | 8 | 375 | 0.003 | 0 | 0 | 0 | 475 | 474 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 476,619.90 | 2.46 |
| F06023-F06005 | 8 | 213 | 0.009 | 3.6 | 0 | 0 | 473 | 471 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 894,361.31 | 4.61 |
| F06041-F06027 | 8 | 335 | 0.006 | 1.7 | 0 | 0 | 474 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 713,149.20 | 3.68 |
| F06019-F06017 | 8 | 195 | 0.015 | 0 | 0 | 0 | 483 | 480 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,144,803.98 | 5.90 |
| F06017-F06015 | 8 | 278 | 0.011 | 0 | 0 | 0 | 480 | 477 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 958,795.61 | 4.94 |
| F06015-F06013 | 8 | 338 | 0.004 | 2.1 | 0 | 0 | 477 | 475.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 614,858.37 | 3.17 |
| F07061-F07059 | 8 | 362 | 0.006 | 3.7 | 0 | 0 | 470 | 468 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 686,038.55 | 3.54 |
| F07035-F07033 | 8 | 83 | 0.012 | 0 | 0 | 0 | 459 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,013,091.71 | 5.22 |
| F07033-F07023 | 8 | 121 | 0.008 | 1.1 | 0 | 0 | 458 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 839,064.07 | 4.33 |
| F07013-F07007 | 8 | 169 | 0.006 | 2.5 | 0 | 0 | 454 | 453 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 709,977.29 | 3.66 |
| D11049-D11047 | 8 | 117 | 0.025 | 0 | 0 | 0 | 496.79 | 493.86 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,460,591.22 | 7.53 |
| D11047-D11045 | 8 | 72 | 0.025 | 4.2 | 0 | 0 | 493.86 | 492.05 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,463,392.57 | 7.55 |
| C10005-C10003 | 8 | 132 | 0.015 | 3.3 | 0 | 0 | 489 | 487 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,136,098.12 | 5.86 |
| D09061-D09059 | 8 | 20 | 0.05 | 0 | 0 | 0 | 451 | 450 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,063,824.72 | 10.64 |
| C11021-C11019 | 8 | 152 | 0.046 | 2.4 | 0 | 0 | 520 | 513 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,980,683.27 | 10.22 |
| D09059-D09057 | 8 | 38 | 0.026 | 0 | 0 | 0 | 450 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,497,255.82 | 7.72 |
| D09057-D09055 | 8 | 202 | 0.005 | 7.3 | 0 | 0 | 449 | 448 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 649,399.76 | 3.35 |
| G14111-G14109 | 8 | 45 | 0.016 | 0 | 0 | 0 | 400.77 | 400.06 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,159,339.74 | 5.98 |
| G14109-G14107 | 8 | 184 | 0.004 | 0 | 0 | 0 | 400.06 | 399.25 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 612,380.57 | 3.16 |
| G14107-G14105 | 8 | 44 | 0.009 | 0 | 0 | 0 | 399.25 | 398.87 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 857,735.27 | 4.42 |
| G14105-G14103 | 8 | 83 | 0.006 | 0 | 0 | 0 | 398.87 | 398.39 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 701,890.52 | 3.62 |
| G14103-H14037 | 8 | 291 | 0.004 | 0 | 0 | 0 | 398.39 | 397.29 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 567,463.14 | 2.93 |
| H14037-H14035 | 8 | 49 | 0.008 | 0 | 0 | 0 | 397.29 | 396.92 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 802,030.03 | 4.14 |
| J07103-J07101 | 8 | 185 | 0.01 | 0 | 0 | 0 | 425.8 | 423.97 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 917,967.89 | 4.73 |
| J07101-J07097 | 8 | 157 | 0.01 | 0 | 0 | 0 | 423.97 | 422.38 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 928,830.66 | 4.79 |
| J07099-J07097 | 8 | 158 | 0.009 | 0 | 0 | 0 | 423.77 | 422.38 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 865,698.50 | 4.46 |
| J07105-J07093 | 8 | 68 | 0.006 | 1.2 | 0 | 0 | 416.81 | 416.39 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 725,367.34 | 3.74 |
| J07097-J07095 | 8 | 178 | 0.017 | 0.8 | 0 | 0 | 422.38 | 419.43 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,188,197.99 | 6.13 |
| J07113-J07107 | 8 | 97 | 0.005 | 0 | 0 | 0 | 424.66 | 424.13 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 682,244.24 | 3.52 |
| J07111-J07109 | 8 | 191 | 0.004 | 0 | 0 | 0 | 426.27 | 425.47 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 597,332.46 | 3.08 |
| J07109-J07107 | 8 | 177 | 0.008 | 0 | 0 | 0 | 425.47 | 424.13 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 803,070.32 | 4.14 |
| J07107-J07087 | 8 | 256 | 0.042 | 1.1 | 0 | 0 | 424.13 | 413.31 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,897,498.56 | 9.79 |
| J07057-J07055 | 8 | 206 | 0.007 | 0 | 0 | 0 | 408.55 | 407.21 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 744,400.40 | 3.84 |
| J07053-J08107 | 8 | 182 | 0.008 | 0 | 0 | 0 | 409.99 | 408.54 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 823,827.18 | 4.25 |
| J08107-J08105 | 8 | 199 | 0.025 | 0 | 0 | 0 | 408.54 | 403.51 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,467,389.01 | 7.57 |
| J07055-J08109 | 8 | 231 | 0.012 | 0 | 0 | 0 | 407.21 | 404.37 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,023,389.57 | 5.28 |
| J08109-J08105 | 8 | 246 | 0.003 | 0 | 0 | 0 | 404.37 | 403.51 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 545,719.51 | 2.81 |
| J08105-J08101 | 8 | 247 | 0.004 | 0 | 0 | 0 | 403.51 | 402.64 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 547,770.90 | 2.83 |
| G11037-G11035 | 8 | 130 | 0.054 | 5 | 0 | 0 | 395 | 388 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,141,732.13 | 11.05 |
| J08025-J08023 | 8 | 116 | 0.005 | 0 | 0 | 0 | 404.54 | 404 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 629,731.90 | 3.25 |
| H07027-J07121 | 10 | 57 | 0.026 | 7.3 | 0 | 0 | 416 | 414.52 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,696,546.65 | 8.34 |
| J08061-J08059 | 8 | 115 | 0.006 | 0 | 0 | 0 | 401.26 | 400.59 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 704,492.36 | 3.63 |
| J07047-J07045 | 8 | 243 | 0.01 | 0 | 0 | 0 | 418.44 | 416.02 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 921,069.40 | 4.75 |
| J08093-J08091 | 8 | 162 | 0.004 | 0 | 0 | 0 | 410.27 | 409.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 547,479.33 | 2.82 |
| J08091-J08089 | 8 | 185 | 0.005 | 0 | 0 | 0 | 409.7 | 408.85 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 625,621.13 | 3.23 |
| J07045-J07043 | 8 | 243 | 0.018 | 0 | 0 | 0 | 416.02 | 411.67 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,234,892.91 | 6.37 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| J07043-J08089 | 8 | 245 | 0.012 | 0 | 0 | 0 | 411.67 | 408.85 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 990,214.59 | 5.11 |
| J08089-J08087 | 8 | 256 | 0.008 | 0 | 0 | 0 | 408.85 | 406.68 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 849,762.75 | 4.38 |
| J08087-J08085 | 8 | 277 | 0.023 | 0 | 0 | 0 | 406.68 | 400.2 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,411,677.28 | 7.28 |
| J07051-J08103 | 8 | 203 | 0.009 | 0 | 0 | 0 | 411.2 | 409.36 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 878,716.33 | 4.53 |
| J07049-J08099 | 8 | 236 | 0.015 | 0 | 0 | 0 | 412.29 | 408.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,138,358.44 | 5.87 |
| J08099-J08097 | 8 | 234 | 0.029 | 0 | 0 | 0 | 408.7 | 401.98 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,564,100.00 | 8.07 |
| J08103-J08101 | 8 | 216 | 0.031 | 0 | 0 | 0 | 409.36 | 402.64 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,627,966.89 | 8.40 |
| J08101-J08097 | 8 | 243 | 0.003 | 0 | 0 | 0 | 402.64 | 401.98 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 481,012.81 | 2.48 |
| J08097-J08095 | 8 | 143 | 0.005 | 0 | 0 | 0 | 401.98 | 401.28 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 645,756.53 | 3.33 |
| J08095-J08085 | 8 | 161 | 0.007 | 0 | 0 | 0 | 401.28 | 400.2 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 755,938.99 | 3.90 |
| J08085-J08083 | 8 | 183 | 0.007 | 9.5 | 0 | 0 | 400.2 | 398.87 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 786,843.00 | 4.06 |
| J08047-J08045 | 8 | 23 | 0.025 | 0 | 0 | 0 | 401.81 | 401.23 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,465,675.69 | 7.56 |
| J08043-J08041 | 8 | 16 | 0.027 | 0 | 0 | 0 | 401.81 | 401.38 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,513,080.53 | 7.80 |
| J08041-J08039 | 8 | 21 | 0.024 | 0 | 0 | 0 | 401.38 | 400.88 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,424,174.36 | 7.35 |
| J08039-J08037 | 8 | 196 | 0.014 | 0 | 0 | 0 | 400.88 | 398.06 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,107,093.56 | 5.71 |
| J08045-J08037 | 8 | 193 | 0.016 | 0 | 0 | 0 | 401.23 | 398.06 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,182,874.81 | 6.10 |
| J08037-J08035 | 8 | 54 | 0.022 | 3.5 | 0 | 0 | 398.06 | 396.88 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,364,369.28 | 7.04 |
| J08059-J08057 | 8 | 145 | 0.004 | 0 | 0 | 0 | 400.59 | 400.01 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 583,737.78 | 3.01 |
| J08057-J08055 | 8 | 90 | 0.005 | 0 | 0 | 0 | 400.01 | 399.55 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 659,850.38 | 3.40 |
| J08055-J08053 | 8 | 106 | 0.036 | 0 | 0 | 0 | 399.55 | 395.71 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,756,711.67 | 9.06 |
| J08053-J08033 | 8 | 61 | 0.014 | 10.5 | 0 | 0 | 395.71 | 394.87 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,083,084.98 | 5.59 |
| F12055-F12053 | 8 | 204 | 0.01 | 0.7 | 0 | 0 | 401 | 399 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 913,876.95 | 4.71 |
| G15007-G15005 | 8 | 232 | 0.013 | 0.9 | 0 | 0 | 440 | 437 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,049,553.16 | 5.41 |
| G09089-G09087 | 8 | 136 | 0.007 | 1.1 | 0 | 0 | 407 | 406 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 791,440.65 | 4.08 |
| G09085-G09083 | 8 | 136 | 0.015 | 1 | 0 | 0 | 407 | 405 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,119,266.10 | 5.77 |
| G14117-G14115 | 8 | 251 | 0.012 | 0.8 | 0 | 0 | 400.55 | 397.64 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 993,796.45 | 5.13 |
| H14035-H14033 | 8 | 68 | 0.006 | 0.8 | 0 | 0 | 396.92 | 396.49 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 733,951.87 | 3.79 |
| G14101-G14099 | 8 | 110 | 0.005 | 0 | 0 | 0 | 398.87 | 398.29 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 670,201.60 | 3.46 |
| G14099-G14097 | 8 | 64 | 0.019 | 4.9 | 0 | 0 | 398.29 | 397.06 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,279,529.71 | 6.60 |
| G13121-G13119 | 10 | 277 | 0.007 | 3.2 | 0 | 0 | 387 | 385 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,421,967.34 | 4.40 |
| J08073-J08071 | 8 | 173 | 0.006 | 0 | 0 | 0 | 407.21 | 406.24 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 691,115.48 | 3.56 |
| J08071-J08067 | 8 | 173 | 0.033 | 0 | 0 | 0 | 406.24 | 400.61 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,665,018.08 | 8.59 |
| J09045-J09043 | 8 | 299 | 0.004 | 0 | 0 | 0 | 390.95 | 389.9 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 546,949.04 | 2.82 |
| F13055-F13053 | 8 | 164 | 0.012 | 0 | 0 | 0 | 410 | 408 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,019,250.38 | 5.26 |
| F13053-F13051 | 8 | 88 | 0.023 | 0 | 0 | 0 | 408 | 406 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,391,430.34 | 7.18 |
| F13051-F13039 | 8 | 95 | 0.02 | 8.5 | 0 | 0 | 406 | 404.08 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,312,129.26 | 6.77 |
| J11101-J11099 | 8 | 173 | 0.004 | 1.3 | 0 | 0 | 376.34 | 375.66 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 578,654.34 | 2.98 |
| J07013-J07011 | 8 | 178 | 0.007 | 0 | 0 | 0 | 414.47 | 413.28 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 754,659.92 | 3.89 |
| J07011-J07007 | 8 | 176 | 0.011 | 0 | 0 | 0 | 413.28 | 411.39 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 956,450.23 | 4.93 |
| J07009-J07007 | 8 | 73 | 0.016 | 0 | 0 | 0 | 412.53 | 411.39 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,153,396.96 | 5.95 |
| J07007-K07017 | 8 | 148 | 0.004 | 0 | 0 | 0 | 411.39 | 410.84 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 562,649.96 | 2.90 |
| J08129-J08017 | 8 | 71 | 0.006 | 6 | 0 | 0 | 402.61 | 402.2 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 701,375.45 | 3.62 |
| J06021-J06019 | 8 | 169 | 0.005 | 0 | 0 | 0 | 428.62 | 427.83 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 631,041.62 | 3.25 |
| J06023-J06019 | 8 | 160 | 0.001 | 0 | 0 | 0 | 428.05 | 427.83 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 342,246.61 | 1.77 |
| J06019-J06017 | 8 | 247 | 0.003 | 1.1 | 0 | 0 | 427.83 | 427.17 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 477,102.07 | 2.46 |
| J05003-J05001 | 8 | 90 | 0.01 | 1.5 | 0 | 0 | 440.08 | 439.15 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 938,227.22 | 4.84 |
| J06045-J06043 | 8 | 97 | 0.006 | 1.2 | 0 | 0 | 438.49 | 437.95 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 688,650.43 | 3.55 |
| J06041-J06039 | 8 | 143 | 0.005 | 1.3 | 0 | 0 | 436.23 | 435.58 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 622,266.57 | 3.21 |
| J06037-J06035 | 8 | 156 | 0.004 | 1.3 | 0 | 0 | 434.51 | 433.82 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 613,832.75 | 3.17 |
| J07027-J07025 | 8 | 210 | 0.008 | 0 | 0 | 0 | 420.94 | 419.24 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 830,429.22 | 4.28 |
| J07025-J07023 | 8 | 210 | 0.008 | 0 | 0 | 0 | 419.24 | 417.53 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 832,868.07 | 4.30 |
| J06033-J06031 | 8 | 63 | 0.003 | 1.2 | 0 | 0 | 432.26 | 432.04 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 545,417.25 | 2.81 |
| J06027-J06025 | 8 | 80 | 0.009 | 1.5 | 0 | 0 | 428.77 | 428.08 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 857,170.78 | 4.42 |
| J07003-J07001 | 8 | 73 | 0.022 | 0 | 0 | 0 | 410.33 | 408.76 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,353,555.92 | 6.98 |
| J07021-J07019 | 8 | 59 | 0.007 | 0 | 0 | 0 | 416.49 | 416.1 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 750,402.21 | 3.87 |
| J07033-J07029 | 8 | 41 | 0.002 | 1.5 | 0 | 0 | 414 | 413.9 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 455,822.63 | 2.35 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|-------------------------------------|-------------------------------------|----------------|-----------------------------|
| J07031-J06003 | 8 | 61 | 0.004 | 0 | 0 | 0 | 418.51 | 418.28 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 566,743.84 | 2.92 |
| J06003-J06001 | 8 | 65 | 0.006 | 1.1 | 0 | 0 | 418.28 | 417.9 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 705,704.57 | 3.64 |
| J07023-J07019 | 8 | 211 | 0.007 | 0 | 0 | 0 | 417.53 | 416.1 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 759,826.78 | 3.92 |
| J07019-J07017 | 8 | 98 | 0.021 | 0 | 0 | 0 | 416.1 | 414 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,351,090.43 | 6.97 |
| J07017-J07015 | 8 | 42 | 0.026 | 1.5 | 0 | 0 | 414 | 412.92 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,480,045.41 | 7.63 |
| J07035-K07023 | 8 | 63 | 0.004 | 0 | 0 | 0 | 412.05 | 411.82 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 557,675.35 | 2.88 |
| K07023-K07019 | 8 | 48 | 0.008 | 1.4 | 0 | 0 | 411.82 | 411.45 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 810,341.44 | 4.18 |
| K07017-K07015 | 8 | 48 | 0.011 | 0.9 | 0 | 0 | 410.84 | 410.32 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 960,658.13 | 4.95 |
| J07005-J07001 | 8 | 75 | 0.02 | 0 | 0 | 0 | 410.29 | 408.76 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,318,265.51 | 6.80 |
| J07001-K07009 | 8 | 148 | 0.004 | 0 | 0 | 0 | 408.76 | 408.21 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 562,649.96 | 2.90 |
| K07009-K07007 | 8 | 48 | 0.067 | 1.5 | 0 | 0 | 408.21 | 404.98 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,394,244.23 | 12.35 |
| K07013-K07011 | 8 | 59 | 0.007 | 1.5 | 0 | 0 | 405.94 | 405.54 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 759,961.86 | 3.92 |
| K07005-K07003 | 8 | 47 | 0.008 | 1.3 | 0 | 0 | 404.33 | 403.97 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 807,774.48 | 4.17 |
| J08075-J07037 | 8 | 66 | 0.035 | 0 | 0 | 0 | 407.7 | 405.42 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,715,470.53 | 8.85 |
| J07041-J07039 | 8 | 180 | 0.006 | 0 | 0 | 0 | 409.52 | 408.41 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 724,791.42 | 3.74 |
| J07039-J07037 | 8 | 180 | 0.017 | 0 | 0 | 0 | 408.41 | 405.42 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,189,562.18 | 6.14 |
| J07037-K07025 | 8 | 98 | 0.021 | 0 | 0 | 0 | 405.42 | 403.34 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,344,641.27 | 6.93 |
| K07025-K07001 | 8 | 48 | 0.024 | 0.9 | 0 | 0 | 403.34 | 402.17 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,440,987.19 | 7.43 |
| K08013-K08009 | 8 | 47 | 0.05 | 1.5 | 0 | 0 | 396.64 | 394.3 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,059,428.92 | 10.62 |
| K08011-K08009 | 8 | 58 | 0.007 | 1.5 | 0 | 0 | 394.7 | 394.3 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 766,485.26 | 3.95 |
| J08069-J08067 | 8 | 131 | 0.027 | 0 | 0 | 0 | 404.14 | 400.61 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,515,093.77 | 7.81 |
| J08067-K08007 | 8 | 99 | 0.048 | 0 | 0 | 0 | 400.61 | 395.82 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,030,195.99 | 10.47 |
| K08007-K08005 | 8 | 46 | 0.049 | 1.2 | 0 | 0 | 395.82 | 393.58 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,036,727.37 | 10.50 |
| J09033-J09031 | 8 | 201 | 0.006 | 0 | 0 | 0 | 389.68 | 388.54 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 695,091.86 | 3.58 |
| J09031-J09029 | 8 | 218 | 0.006 | 0 | 0 | 0 | 388.54 | 387.3 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 696,098.03 | 3.59 |
| J09029-J09027 | 8 | 218 | 0.006 | 0 | 0 | 0 | 387.3 | 386.05 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 698,899.24 | 3.60 |
| J09027-J09025 | 8 | 112 | 0.005 | 0 | 0 | 0 | 386.05 | 385.46 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 669,892.02 | 3.45 |
| J09025-J09023 | 8 | 86 | 0.008 | 0 | 0 | 0 | 385.46 | 384.74 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 844,510.06 | 4.36 |
| J09043-J09041 | 8 | 300 | 0.003 | 0 | 0 | 0 | 389.9 | 388.85 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 546,036.70 | 2.82 |
| J09041-J09039 | 8 | 314 | 0.004 | 0 | 0 | 0 | 388.85 | 387.64 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 572,948.61 | 2.95 |
| J09039-J09037 | 8 | 262 | 0.004 | 0 | 0 | 0 | 387.64 | 386.67 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 561,594.74 | 2.90 |
| J09037-J09035 | 8 | 275 | 0.003 | 0 | 0 | 0 | 386.67 | 385.71 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 545,327.10 | 2.81 |
| J09035-J09023 | 8 | 291 | 0.003 | 0 | 0 | 0 | 385.71 | 384.74 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 532,877.25 | 2.75 |
| J09023-J09021 | 8 | 348 | 0.004 | 0 | 0 | 0 | 384.74 | 383.33 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,499.82 | 3.03 |
| J09021-J09019 | 8 | 172 | 0.004 | 0 | 0 | 0 | 383.33 | 382.69 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 563,006.71 | 2.90 |
| J09019-J09003 | 8 | 195 | 0.003 | 17.8 | 0 | 0 | 382.69 | 382.06 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 524,615.09 | 2.71 |
| K12003-K12001 | 8 | 326 | 0.009 | 21.4 | 0 | 0 | 364 | 361 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 885,400.24 | 4.57 |
| G13041-G13039 | 8 | 239 | 0.013 | 10.4 | 0 | 0 | 396 | 393 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,034,068.92 | 5.33 |
| F12039-F12037 | 8 | 190 | 0.021 | 1.6 | 0 | 0 | 393 | 389 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,339,186.31 | 6.91 |
| F10087-F10083 | 8 | 271 | 0.004 | 2.6 | 0 | 0 | 413 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 560,664.63 | 2.89 |
| E10041-E10039 | 8 | 228 | 0.009 | 0 | 0 | 0 | 415 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 864,441.05 | 4.46 |
| E10043-E10039 | 8 | 128 | 0.023 | 0 | 0 | 0 | 416 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,413,004.19 | 7.29 |
| E10039-E10037 | 8 | 358 | 0.006 | 12.1 | 0 | 0 | 413 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 689,860.52 | 3.56 |
| F10063-F10055 | 6 | 315 | 0.003 | 6.8 | 0 | 0 | 405 | 404 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 241,469.66 | 1.87 |
| E10085-E10083 | 8 | 77 | 0.013 | 0 | 0 | 0 | 417 | 416 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,051,822.47 | 5.42 |
| E10083-E10081 | 8 | 363 | 0.003 | 7 | 0 | 0 | 416 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 484,433.86 | 2.50 |
| E10033-E10031 | 8 | 274 | 0.007 | 0 | 0 | 0 | 416 | 414 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 788,546.89 | 4.07 |
| E10031-E10029 | 8 | 356 | 0.006 | 0 | 0 | 0 | 414 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 691,795.62 | 3.57 |
| F10095-F10093 | 8 | 130 | 0.008 | 0 | 0 | 0 | 414 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 809,498.65 | 4.17 |
| E10029-F10089 | 8 | 331 | 0.006 | 9.8 | 0 | 0 | 412 | 410 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 717,445.32 | 3.70 |
| F10093-F10091 | 8 | 246 | 0.008 | 10 | 0 | 0 | 413 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 832,214.45 | 4.29 |
| G11043-G11041 | 8 | 159 | 0.006 | 0 | 0 | 0 | 387 | 386 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 731,963.20 | 3.78 |
| G11041-G11039 | 8 | 119 | 0.008 | 1 | 0 | 0 | 386 | 385 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 846,085.64 | 4.36 |
| F11055-F11053 | 8 | 232 | 0.013 | 6 | 0 | 0 | 397 | 394 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,049,553.16 | 5.41 |
| K12075-K12073 | 6 | 248 | 0.008 | 100 | 0 | 0 | 363 | 361 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 384,863.74 | 2.98 |
| K12073-K12071 | 6 | 250 | 0.008 | 100 | 0 | 0 | 361 | 359 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 383,321.20 | 2.97 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|--------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|-----------------|-----------------------------|
| K12071-K12017 | 6 | 263 | 0.008 | 100 | 0 | 0 | 359 | 357 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 373,727.42 | 2.89 |
| J08023-J08051 | 8 | 184 | 0.013 | 1.1 | 0 | 0 | 404 | 401.61 | | 0.3 | 890,076.18 | 4.59 |
| E09087-E09085 | 8 | 44 | 0 | 66.4 | 1,684.52 | 0 | 431 | 431 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 0 | 0.00 |
| H14019-H15001 | 8 | 237 | 0.004 | 100 | 2,735.15 | 0.01 | 413 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 599,533.75 | 3.09 |
| F02057-F02039 | 8 | 9 | -0.04 | 80.6 | 7,286.39 | 0.01 | 524 | 524.36 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | -1,845,940.94 | -9.52 |
| G15053-G15051 | 8 | 162 | 0.025 | 100 | 4,026.53 | 0.01 | 415 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,450,308.18 | 7.48 |
| H15001-G15051 | 8 | 184 | 0.005 | 100 | 5,045.37 | 0.02 | 412 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 680,422.86 | 3.51 |
| G15051-G15037 | 8 | 245 | 0.004 | 100 | 9,430.08 | 0.03 | 411 | 410 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 589,664.20 | 3.04 |
| G15037-G15035 | 8 | 267 | -0.042 | 100 | 21,302.73 | 0.06 | 410 | 421.31 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | -1,899,605.77 | -9.80 |
| J14115-J14087 | 8 | 26 | -0.038 | 100 | 44,422.75 | 0.08 | 333 | 334 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | -1,810,094.02 | -9.34 |
| P-5583 | 10 | 0 | 0 | 60.6 | 106,211.43 | 0.09 | 359 | 359 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 0 | 0.00 |
| J09005-J09003 | 15 | 45 | -0.001 | 63.8 | 343,383.96 | 0.09 | 382 | 382.06 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | -1,801,609.10 | -2.32 |
| F05043-F05041 | 10 | 173 | 0 | 60.6 | 101,422.73 | 0.11 | 505 | 505 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 0 | 0.00 |
| L14057-L14055 | 10 | 28 | -0.01 | 100 | 948,087.92 | 0.14 | 313 | 313.29 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | -1,703,077.82 | -5.27 |
| K08003-K08001 | 10 | 98 | 0.007 | 6.9 | 811.76 | 0.14 | 393.15 | 392.44 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,424,395.67 | 4.41 |
| K08009-K08005 | 8 | 264 | 0.003 | 3.1 | 815.69 | 0.14 | 394.3 | 393.58 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 482,005.61 | 2.49 |
| K12017-K12015 | 21 | 12 | -0.917 | 100 | 791,786.49 | 0.16 | 357 | 368 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | -115,870,179.76 | -74.70 |
| K07003-K07001 | 8 | 278 | 0.006 | 2.5 | 817.75 | 0.17 | 403.97 | 402.17 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 742,679.89 | 3.83 |
| K07007-K07003 | 8 | 289 | 0.003 | 2.9 | 819.1 | 0.17 | 404.98 | 403.97 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 545,631.67 | 2.81 |
| K07011-K07007 | 8 | 165 | 0.003 | 2.9 | 822.95 | 0.17 | 405.54 | 404.98 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 537,699.77 | 2.77 |
| K08005-K08003 | 8 | 61 | 0.007 | 2.4 | 812.56 | 0.17 | 393.58 | 393.15 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 774,920.44 | 4.00 |
| H06027-H06025 | 8 | 426 | 0.002 | 2.6 | 183.19 | 0.19 | 447.54 | 446.6 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 433,557.73 | 2.24 |
| K07019-K07015 | 8 | 278 | 0.004 | 2.8 | 828.89 | 0.2 | 411.45 | 410.32 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 588,443.31 | 3.03 |
| K07021-K07019 | 8 | 209 | 0.004 | 2.9 | 831.39 | 0.2 | 412.19 | 411.45 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 549,199.99 | 2.83 |
| G12021-G12019 | 8 | 18 | -0.001 | 64.8 | 105,049.91 | 0.2 | 380.4 | 380.41 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | -217,546.23 | -1.12 |
| J10009-J10007 | 15 | 36 | -0.028 | 100 | 446,909.05 | 0.21 | 380 | 381 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | -8,223,182.88 | -10.60 |
| J07029-J07015 | 8 | 278 | 0.004 | 2.9 | 833.16 | 0.21 | 413.9 | 412.92 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 547,997.34 | 2.83 |
| J07015-K07021 | 8 | 209 | 0.003 | 2.9 | 832.94 | 0.21 | 412.92 | 412.19 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 545,476.56 | 2.81 |
| J06005-J06001 | 8 | 278 | 0.004 | 2.9 | 845.31 | 0.23 | 418.88 | 417.9 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 547,997.34 | 2.83 |
| F12025-F12023 | 8 | 233 | 0.003 | 1.7 | 259 | 0.23 | 393.71 | 393 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 509,493.94 | 2.63 |
| E03147-E03145 | 8 | 241 | 0.002 | 2.9 | 624.23 | 0.23 | 559.5 | 559 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 420,401.53 | 2.17 |
| L13125-L13123 | 10 | 319 | 0.002 | 100 | 373,017.42 | 0.24 | 327.5 | 327 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 662,527.90 | 2.05 |
| D08067-D08059 | 8 | 209 | 0.005 | 6.5 | 110.37 | 0.24 | 491 | 490 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 638,432.03 | 3.29 |
| C02135-C02061 | 8 | 145 | 0.003 | 2.3 | 363.2 | 0.24 | 635 | 634.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 534,662.44 | 2.76 |
| J07083-J07081 | 10 | 295 | 0.004 | 1.6 | 454.98 | 0.24 | 412.38 | 411.2 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,058,387.02 | 3.28 |
| C07031-C07029 | 8 | 236 | 0.002 | 2.5 | 331.11 | 0.25 | 516 | 515.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 424,831.59 | 2.19 |
| H11007-H12075 | 8 | 317 | 0.005 | 3.8 | 245.03 | 0.25 | 369 | 367.54 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 626,375.27 | 3.23 |
| E14017-E14015 | 15 | 312 | 0.003 | 1.6 | 397.56 | 0.25 | 452 | 451 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,793,276.34 | 3.60 |
| J07085-J07083 | 10 | 123 | 0.004 | 1.6 | 455.63 | 0.25 | 412.87 | 412.38 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,056,233.63 | 3.27 |
| F12061-F12043 | 8 | 310 | 0.003 | 2.5 | 261.46 | 0.26 | 393 | 392 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 524,212.00 | 2.70 |
| B01052-B01050 | 8 | 0 | 0.004 | 1.9 | 361.37 | 0.26 | 683.15 | 682.12 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 608,460.30 | 3.14 |
| F09061-F09059 | 8 | 158 | 0.006 | 1.3 | 110.37 | 0.26 | 419 | 418 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 734,275.88 | 3.79 |
| E11149-E11107 | 8 | 283 | 0.001 | 62.7 | 1,192.69 | 0.26 | 412 | 411.67 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 315,174.85 | 1.63 |
| J07087-J07085 | 8 | 108 | 0.004 | 2.2 | 456.8 | 0.26 | 413.31 | 412.87 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 589,117.97 | 3.04 |
| E03195-E03193 | 8 | 284 | 0.002 | 3.1 | 655.37 | 0.26 | 564 | 563.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 387,269.81 | 2.00 |
| J06009-J06007 | 8 | 301 | 0.003 | 3 | 856.36 | 0.26 | 422.63 | 421.58 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 545,128.90 | 2.81 |
| E03191-E03189 | 8 | 198 | 0.003 | 2.9 | 636.56 | 0.26 | 563 | 562.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 463,810.11 | 2.39 |
| G04025-G04023 | 8 | 197 | 0.005 | 2.6 | 454.98 | 0.26 | 487 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 657,589.23 | 3.39 |
| C02137-C02135 | 8 | 282 | 0.003 | 2 | 364.93 | 0.26 | 635.98 | 635 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 542,177.73 | 2.80 |
| F12023-F12011 | 8 | 157 | 0.006 | 11.2 | 254.4 | 0.27 | 393 | 392 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 736,610.63 | 3.80 |
| K07001-K08009 | 8 | 278 | 0.028 | 2.4 | 816.8 | 0.27 | 402.17 | 394.3 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,552,933.20 | 8.01 |
| K14095-K14093 | 8 | 249 | 0 | 13.4 | 5,996.31 | 0.27 | 321.52 | 321.45 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 154,752.31 | 0.80 |
| G13027-G13017 | 8 | 343 | 0.004 | 3.6 | 270.12 | 0.27 | 398 | 396.77 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 552,704.88 | 2.85 |
| H14033-H14031 | 8 | 275 | 0.004 | 1.6 | 261.63 | 0.27 | 396.49 | 395.33 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 599,446.54 | 3.09 |
| C02112-C02110 | 8 | 300 | 0.005 | 4.7 | 363.28 | 0.27 | 639.09 | 637.59 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 638,941.75 | 3.30 |
| F04085-F04083 | 8 | 200 | 0.001 | 5.7 | 1,594.37 | 0.28 | 523.72 | 523.54 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 276,891.14 | 1.43 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|--------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| J11065-J12057 | 8 | 144 | 0.006 | 2.3 | 245.03 | 0.28 | 365.65 | 364.75 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 729,672.23 | 3.76 |
| B02020-B01054 | 8 | 232 | 0.004 | 1.9 | 364.93 | 0.28 | 688.63 | 687.72 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 579,298.65 | 2.99 |
| G09173-G09171 | 8 | 402 | 0.007 | 1.4 | 169.78 | 0.28 | 427 | 424 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 797,325.05 | 4.11 |
| C07021-C07019 | 8 | 206 | 0.005 | 1.6 | 220.74 | 0.28 | 506 | 505 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 643,064.00 | 3.32 |
| F12027-F12025 | 8 | 85 | 0.005 | 1.6 | 260.69 | 0.28 | 394.14 | 393.71 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 656,466.51 | 3.39 |
| L13105-L13103 | 10 | 340 | 0.003 | 100 | 343,195.89 | 0.28 | 326 | 325 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 907,559.38 | 2.81 |
| L13123-L13105 | 10 | 340 | 0.003 | 100 | 356,581.88 | 0.28 | 327 | 326 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 907,559.38 | 2.81 |
| B01014-B01012 | 8 | 176 | 0.005 | 1.8 | 362.87 | 0.28 | 677.46 | 676.57 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 656,336.38 | 3.39 |
| G14113-H14033 | 8 | 181 | 0.004 | 1.6 | 264.96 | 0.28 | 397.23 | 396.49 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 590,152.67 | 3.04 |
| J07081-J07079 | 8 | 169 | 0.007 | 10.1 | 452.79 | 0.29 | 411.2 | 410.07 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 754,716.21 | 3.89 |
| C03017-C03015 | 12 | 212 | 0.005 | 1.1 | 364.93 | 0.29 | 670 | 669 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,868,945.20 | 3.61 |
| C07011-C07009 | 8 | 210 | 0.01 | 1 | 109.89 | 0.29 | 509 | 507 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 900,726.95 | 4.65 |
| D14123-D14121 | 8 | 239 | 0.004 | 2.6 | 397.56 | 0.29 | 474 | 473 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 597,019.97 | 3.08 |
| G05083-G05081 | 8 | 323 | 0.003 | 3.6 | 909.96 | 0.29 | 471 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 513,554.51 | 2.65 |
| C07019-C08003 | 8 | 228 | 0.004 | 8 | 329.98 | 0.29 | 505 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 611,252.13 | 3.15 |
| G14041-F14047 | 8 | 230 | 0.004 | 2.4 | 270.12 | 0.29 | 431 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 608,588.71 | 3.14 |
| D13015-D13013 | 8 | 190 | 0.001 | 6.4 | 2,065.03 | 0.29 | 426 | 425.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 299,451.16 | 1.54 |
| E09017-E09015 | 10 | 239 | 0.002 | 3.1 | 679 | 0.3 | 436.52 | 436 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 780,579.66 | 2.42 |
| C02114-C02112 | 8 | 300 | 0.005 | 1.9 | 364.93 | 0.3 | 640.48 | 639.09 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 626,169.25 | 3.23 |
| D07037-D07035 | 8 | 170 | 0.006 | 1.5 | 220.74 | 0.3 | 495 | 494 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 707,886.04 | 3.65 |
| J07091-J07089 | 8 | 288 | 0.003 | 2.2 | 465.39 | 0.3 | 415.54 | 414.54 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 543,865.57 | 2.80 |
| J07089-J07087 | 8 | 243 | 0.005 | 2.1 | 464.98 | 0.3 | 414.54 | 413.31 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 656,654.96 | 3.39 |
| F15041-F15039 | 8 | 61 | 0.002 | 4.3 | 533.88 | 0.3 | 441.99 | 441.85 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 442,167.59 | 2.28 |
| B02013-B02009 | 8 | 0 | 0.003 | 3 | 719.35 | 0.3 | 690.17 | 689.61 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 532,877.25 | 2.75 |
| C07045-C07043 | 8 | 229 | 0.004 | 1.9 | 331.11 | 0.3 | 530 | 529 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 609,916.06 | 3.15 |
| C07029-C07027 | 8 | 215 | 0.002 | 3.6 | 659.97 | 0.3 | 515.5 | 515 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 445,095.89 | 2.30 |
| G04037-G04035 | 8 | 287 | 0.003 | 3.4 | 909.96 | 0.3 | 489 | 488 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 544,812.24 | 2.81 |
| K14077-K14075 | 8 | 327 | 0.003 | 2.6 | 523.41 | 0.31 | 333 | 332 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 510,403.84 | 2.63 |
| F15035-F15033 | 8 | 210 | 0.005 | 2 | 270.12 | 0.31 | 459 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 636,910.14 | 3.28 |
| C07049-C07047 | 8 | 220 | 0.005 | 2.3 | 331.11 | 0.31 | 523 | 522 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 622,266.57 | 3.21 |
| F07025-F07023 | 8 | 318 | 0.003 | 2.6 | 608.06 | 0.31 | 458 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 517,576.14 | 2.67 |
| E03157-E03155 | 8 | 297 | 0.003 | 2.6 | 645.76 | 0.31 | 562 | 561 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 535,561.79 | 2.76 |
| G04031-G04029 | 8 | 193 | 0.005 | 3.1 | 682.47 | 0.31 | 485 | 484 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 664,368.68 | 3.43 |
| J12031-J12029 | 42 | 99 | -0.005 | 76 | 12,489,927.35 | 0.31 | 356.95 | 357.4 | Vitrified Clay Pipe-Circular-42 inch | 9.6 | -51,808,530.71 | -8.35 |
| F13087-F13085 | 8 | 163 | 0.007 | 3.4 | 392.87 | 0.31 | 424 | 422.86 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 771,874.03 | 3.98 |
| B01082-B01080 | 8 | 0 | 0.003 | 2.8 | 727.02 | 0.31 | 691.05 | 690.73 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 522,110.94 | 2.69 |
| J07093-J07091 | 8 | 246 | 0.003 | 2.3 | 505.99 | 0.31 | 416.39 | 415.54 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 542,537.44 | 2.80 |
| J06025-J06017 | 8 | 241 | 0.004 | 2.9 | 862.11 | 0.31 | 428.08 | 427.17 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 567,152.67 | 2.93 |
| E17061-E17059 | 8 | 195 | 0.005 | 4.9 | 397.56 | 0.31 | 525 | 524 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 660,952.88 | 3.41 |
| B01080-B02013 | 8 | 0 | 0.003 | 2.8 | 724.46 | 0.31 | 690.73 | 690.17 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 540,988.48 | 2.79 |
| G09169-G09165 | 8 | 261 | 0.004 | 2.9 | 598.19 | 0.32 | 419 | 418 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 571,304.38 | 2.95 |
| D09106-D08043 | 8 | 255 | 0.001 | 9.1 | 1,493.05 | 0.32 | 463.31 | 463 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 321,809.28 | 1.66 |
| D07055-D07053 | 8 | 279 | 0.007 | 1.9 | 220.74 | 0.32 | 516 | 514 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 781,449.11 | 4.03 |
| E13049-E13047 | 8 | 305 | 0.003 | 5.2 | 788.18 | 0.32 | 420 | 419 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 528,491.35 | 2.73 |
| G05055-G05053 | 8 | 353 | 0.006 | 2.9 | 682.47 | 0.32 | 485 | 483 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 694,729.04 | 3.58 |
| J08127-J08125 | 8 | 343 | 0.003 | 8.1 | 1,445.48 | 0.32 | 407.95 | 406.75 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 545,922.97 | 2.82 |
| H04039-H04037 | 8 | 289 | 0.003 | 3.8 | 1,137.45 | 0.32 | 475 | 474 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 542,923.81 | 2.80 |
| G12077-G12073 | 8 | 329 | 0.003 | 4.8 | 540.24 | 0.32 | 387 | 386 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 508,850.09 | 2.62 |
| J11069-J11067 | 8 | 405 | 0.002 | 3.9 | 980.1 | 0.32 | 366 | 365 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 458,627.71 | 2.37 |
| E02109-E02107 | 8 | 283 | 0.003 | 3.3 | 706.27 | 0.32 | 561.38 | 560.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 511,971.90 | 2.64 |
| F12035-F12033 | 8 | 174 | 0.006 | 1.6 | 270.12 | 0.33 | 394 | 393 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 699,702.11 | 3.61 |
| F12033-F12009 | 8 | 290 | 0.007 | 11.6 | 261.88 | 0.33 | 393 | 391 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 766,485.26 | 3.95 |
| D07033-D07031 | 8 | 368 | 0.005 | 2 | 331.11 | 0.33 | 502 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 680,422.86 | 3.51 |
| F15033-F15031 | 8 | 300 | 0.003 | 2.4 | 522.78 | 0.33 | 458 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 532,877.25 | 2.75 |
| G05061-G05059 | 8 | 249 | 0.004 | 3.3 | 1,120.78 | 0.33 | 473 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 584,908.77 | 3.02 |
| J07143-J08127 | 8 | 199 | 0.004 | 3.8 | 1,449.54 | 0.33 | 408.65 | 407.95 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 547,406.93 | 2.82 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| F14043-F14041 | 8 | 301 | 0.003 | 3 | 540.24 | 0.33 | 443 | 442 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 531,991.34 | 2.74 |
| J06007-J06005 | 8 | 301 | 0.009 | 2.6 | 850.73 | 0.33 | 421.58 | 418.88 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 874,150.97 | 4.51 |
| F02011-F03149 | 8 | 213 | 0.005 | 3.5 | 398.59 | 0.33 | 533.28 | 532.12 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 681,125.28 | 3.51 |
| B01084-B01082 | 8 | 153 | 0.004 | 2.8 | 729.22 | 0.33 | 691.59 | 691.05 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 548,326.17 | 2.83 |
| H05075-H05073 | 8 | 227 | 0.009 | 2 | 183.19 | 0.34 | 457 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 866,343.01 | 4.47 |
| F12031-F12029 | 8 | 163 | 0.006 | 1.6 | 270.12 | 0.34 | 397 | 396 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 722,926.27 | 3.73 |
| E02107-E02105 | 8 | 256 | 0.002 | 3.7 | 1,131.73 | 0.34 | 560.5 | 559.9 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 443,380.67 | 2.29 |
| H11005-H11001 | 8 | 169 | 0.004 | 3.7 | 735.08 | 0.34 | 369 | 368.39 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 554,509.99 | 2.86 |
| J06013-J06011 | 8 | 34 | 0.006 | 2.6 | 858.59 | 0.34 | 425.27 | 425.05 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 742,437.14 | 3.83 |
| F12047-F12045 | 8 | 301 | 0.003 | 2.9 | 781.39 | 0.34 | 394 | 393 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 531,991.34 | 2.74 |
| L13127-L13125 | 10 | 106 | 0.005 | 100 | 376,708.63 | 0.34 | 328 | 327.5 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,149,334.86 | 3.56 |
| C02035-C02033 | 8 | 147 | 0.007 | 1.7 | 364.93 | 0.34 | 654 | 653 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 761,253.22 | 3.93 |
| G05087-G05085 | 8 | 289 | 0.007 | 2.8 | 682.47 | 0.34 | 475 | 473 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 767,810.21 | 3.96 |
| J07145-J07143 | 8 | 315 | 0.003 | 3.8 | 1,453.26 | 0.34 | 409.75 | 408.65 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 545,417.25 | 2.81 |
| E03193-E03191 | 8 | 86 | 0.006 | 2.5 | 639.86 | 0.34 | 563.5 | 563 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 703,758.39 | 3.63 |
| G05031-G05029 | 8 | 279 | 0.007 | 3 | 682.47 | 0.34 | 482 | 480 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 781,449.11 | 4.03 |
| F07023-F07021 | 8 | 166 | 0.006 | 8.1 | 586.64 | 0.34 | 457 | 456 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 716,364.02 | 3.69 |
| F14005-G14033 | 8 | 294 | 0.003 | 2.5 | 540.24 | 0.35 | 435 | 434 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 538,287.31 | 2.78 |
| F15025-F15023 | 8 | 291 | 0.003 | 2.8 | 540.24 | 0.35 | 464 | 463 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 541,054.87 | 2.79 |
| G04073-G04071 | 8 | 341 | 0.006 | 4 | 909.96 | 0.35 | 478 | 476 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 706,847.32 | 3.65 |
| D19005-D19003 | 8 | 300 | 0.004 | 4.8 | 789.78 | 0.35 | 547.46 | 546.23 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 590,006.93 | 3.04 |
| C07013-C07011 | 8 | 213 | 0.014 | 0.8 | 110.37 | 0.35 | 512 | 509 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,095,364.43 | 5.65 |
| H04033-H04031 | 8 | 334 | 0.006 | 4 | 909.96 | 0.35 | 473 | 471 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 714,215.99 | 3.68 |
| G14115-G14113 | 8 | 59 | 0.007 | 1.6 | 270.12 | 0.35 | 397.64 | 397.23 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 769,402.74 | 3.97 |
| E13035-D13063 | 8 | 280 | 0.007 | 7.7 | 397.56 | 0.35 | 431 | 429 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 780,052.42 | 4.02 |
| G04079-G04077 | 8 | 332 | 0.006 | 3.6 | 909.96 | 0.35 | 480 | 478 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 716,364.02 | 3.69 |
| F12029-F12027 | 8 | 222 | 0.008 | 1.5 | 261.75 | 0.35 | 396 | 394.14 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 844,827.01 | 4.36 |
| E03145-E03143 | 8 | 297 | 0.01 | 3.6 | 610.26 | 0.35 | 559 | 556 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 927,620.23 | 4.78 |
| D13013-D13009 | 8 | 140 | 0.001 | 6.9 | 3,110.15 | 0.35 | 425.8 | 425.62 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 330,948.21 | 1.71 |
| H14031-H14027 | 8 | 34 | 0.009 | 5.6 | 257.53 | 0.35 | 395.33 | 395.01 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 895,412.88 | 4.62 |
| G05063-G05061 | 8 | 250 | 0.008 | 2.7 | 681.93 | 0.36 | 475 | 473 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 825,529.89 | 4.26 |
| E03155-E03151 | 8 | 145 | 0.007 | 2.4 | 632.44 | 0.36 | 561 | 560 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 766,485.26 | 3.95 |
| E12093-E12091 | 8 | 255 | 0.004 | 3.5 | 795.13 | 0.36 | 416 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 577,986.53 | 2.98 |
| D13055-D13053 | 8 | 253 | 0.004 | 3.1 | 860.52 | 0.36 | 425 | 424 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 580,266.56 | 2.99 |
| F12049-F12047 | 8 | 292 | 0.01 | 2.1 | 261.73 | 0.36 | 396.8 | 394 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 903,806.37 | 4.66 |
| B02026-B01050 | 8 | 0 | 0.008 | 1.7 | 364.93 | 0.36 | 684.51 | 682.12 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 846,696.16 | 4.37 |
| D07045-D07043 | 8 | 278 | 0.011 | 1.7 | 220.74 | 0.36 | 504 | 501 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 958,795.61 | 4.94 |
| G12079-G12071 | 8 | 250 | 0.004 | 9.9 | 540.24 | 0.36 | 386 | 385 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 583,737.78 | 3.01 |
| F14035-F14033 | 8 | 284 | 0.004 | 2.5 | 540.24 | 0.36 | 438.98 | 437.84 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 584,764.59 | 3.02 |
| G10067-G10061 | 8 | 320 | 0.001 | 9.4 | 2,676.84 | 0.36 | 396.25 | 395.86 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 322,214.53 | 1.66 |
| F09005-F09003 | 8 | 106 | 0.001 | 7.2 | 3,080.11 | 0.36 | 421.8 | 421.69 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 297,324.86 | 1.53 |
| G12105-G12103 | 8 | 138 | 0.004 | 2.5 | 540.24 | 0.36 | 377.06 | 376.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,952.55 | 3.03 |
| F06153-F06151 | 8 | 202 | 0.005 | 5.2 | 608.06 | 0.36 | 493 | 492 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 649,399.76 | 3.35 |
| G10073-G10071 | 8 | 231 | 0.004 | 2.8 | 537.43 | 0.37 | 401 | 400 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 607,269.99 | 3.13 |
| F09077-F09075 | 8 | 89 | 0.011 | 1.5 | 220.74 | 0.37 | 419 | 418 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 978,346.74 | 5.05 |
| H12049-H12047 | 8 | 159 | 0.001 | 5.7 | 1,890.85 | 0.37 | 366.22 | 366 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 343,321.17 | 1.77 |
| G05077-G05069 | 8 | 111 | 0.009 | 3.6 | 682.47 | 0.37 | 471 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 876,044.80 | 4.52 |
| B02009-B02007 | 8 | 294 | 0.004 | 3.2 | 1,077.35 | 0.37 | 689.61 | 688.38 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 594,969.23 | 3.07 |
| D07006-D07005 | 8 | 194 | 0.01 | 4.7 | 180.56 | 0.37 | 490 | 488 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 937,134.53 | 4.83 |
| J06001-J07029 | 8 | 276 | 0.014 | 2.5 | 837.5 | 0.37 | 417.9 | 413.9 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,111,125.88 | 5.73 |
| J07147-J07145 | 8 | 229 | 0.003 | 3.8 | 1,456.62 | 0.37 | 410.55 | 409.75 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 545,525.50 | 2.81 |
| D01021-D01019 | 8 | 248 | 0.004 | 3.4 | 842.24 | 0.37 | 609 | 608 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 586,086.84 | 3.02 |
| E02085-E02082 | 8 | 145 | 0.004 | 5 | 797.19 | 0.37 | 564.03 | 563.51 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 552,720.38 | 2.85 |
| H13011-H13009 | 8 | 195 | 0.002 | 3.9 | 1,080.49 | 0.37 | 371 | 370.52 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 457,921.59 | 2.36 |
| H05039-H05037 | 8 | 322 | 0.003 | 5.1 | 2,252.10 | 0.37 | 467 | 466 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 514,351.33 | 2.65 |
| G09087-G09083 | 8 | 216 | 0.005 | 2.2 | 537.43 | 0.37 | 406 | 405 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 628,001.86 | 3.24 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| C07047-C07035 | 8 | 246 | 0.004 | 3 | 771.01 | 0.38 | 522 | 521 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 588,464.48 | 3.03 |
| D08111-D08109 | 15 | 390 | 0.003 | 4 | 1,895.26 | 0.38 | 468 | 467 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,498,382.31 | 3.22 |
| G05037-G05035 | 8 | 279 | 0.007 | 3 | 909.96 | 0.38 | 480 | 478 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 781,449.11 | 4.03 |
| C06071-C06067 | 8 | 59 | 0.017 | 1.2 | 110.37 | 0.38 | 576 | 575 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,201,605.21 | 6.20 |
| F09025-F09023 | 15 | 242 | 0.004 | 4 | 967.35 | 0.38 | 429 | 428 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,171,637.30 | 4.09 |
| C02106-C02105 | 8 | 0 | 0.007 | 2.8 | 1,055.27 | 0.38 | 672.18 | 671.45 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 769,581.44 | 3.97 |
| G05049-G05047 | 8 | 290 | 0.003 | 4.7 | 2,210.12 | 0.38 | 480 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 541,986.92 | 2.80 |
| D08081-D08075 | 8 | 238 | 0.013 | 2 | 220.74 | 0.38 | 492 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,036,239.05 | 5.34 |
| F12053-F12051 | 8 | 206 | 0.009 | 1.4 | 270.12 | 0.38 | 399 | 397.15 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 874,661.60 | 4.51 |
| F12045-F12043 | 8 | 194 | 0.005 | 3 | 766.15 | 0.38 | 393 | 392 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 662,654.18 | 3.42 |
| F09067-G09011 | 8 | 348 | 0.003 | 3.5 | 1,101.00 | 0.38 | 415 | 414 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 494,764.11 | 2.55 |
| F12051-F12049 | 8 | 31 | 0.011 | 1.3 | 261.9 | 0.38 | 397.15 | 396.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 980,710.86 | 5.06 |
| H11053-G11051 | 8 | 286 | 0.003 | 4.3 | 760.67 | 0.38 | 387 | 386 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 545,763.88 | 2.81 |
| K14049-K14037 | 8 | 181 | 0.006 | 6.7 | 523.41 | 0.38 | 327 | 326 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 686,038.55 | 3.54 |
| J06015-J06013 | 8 | 34 | 0.009 | 2.4 | 858.98 | 0.38 | 425.59 | 425.27 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 895,412.88 | 4.62 |
| G04071-G04069 | 8 | 349 | 0.003 | 5.7 | 2,700.25 | 0.38 | 476 | 475 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 494,054.77 | 2.55 |
| D15037-D15035 | 8 | 218 | 0.001 | 9.8 | 5,557.73 | 0.38 | 459.32 | 459.12 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 279,559.70 | 1.44 |
| E13125-E13123 | 8 | 210 | 0.005 | 3.2 | 795.13 | 0.38 | 415 | 414 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 636,910.14 | 3.28 |
| C07009-C07007 | 8 | 89 | 0.011 | 1.3 | 219.71 | 0.38 | 507 | 506 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 978,346.74 | 5.05 |
| J11137-J11135 | 8 | 333 | 0.003 | 4.8 | 1,407.41 | 0.38 | 373 | 372 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 505,784.70 | 2.61 |
| H04031-H04029 | 8 | 342 | 0.003 | 7.2 | 2,701.09 | 0.38 | 471 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 499,085.27 | 2.57 |
| H13047-H13019 | 8 | 248 | 0.002 | 10 | 1,307.13 | 0.39 | 372 | 371.44 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 438,587.23 | 2.26 |
| G03041-G03039 | 8 | 194 | 0.004 | 3.4 | 797.19 | 0.39 | 510.87 | 510 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 618,082.67 | 3.19 |
| K07015-K07011 | 8 | 161 | 0.03 | 2.3 | 824.57 | 0.39 | 410.32 | 405.54 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,590,335.73 | 8.20 |
| C06089-C06085 | 8 | 147 | 0.014 | 1.2 | 220.74 | 0.39 | 607 | 605 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,076,574.62 | 5.55 |
| J06029-J06025 | 8 | 274 | 0.007 | 2.7 | 862.88 | 0.39 | 430.05 | 428.08 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 782,610.44 | 4.04 |
| K13023-K13021 | 8 | 304 | 0.003 | 3.7 | 1,046.81 | 0.39 | 334 | 333 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 529,359.87 | 2.73 |
| E13039-E13037 | 8 | 210 | 0.005 | 3.7 | 829.68 | 0.39 | 428 | 427 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 636,910.14 | 3.28 |
| J07149-J07147 | 8 | 254 | 0.004 | 3.8 | 1,476.43 | 0.39 | 411.44 | 410.55 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 546,343.72 | 2.82 |
| H06047-H06045 | 8 | 217 | 0.005 | 3.3 | 732.77 | 0.39 | 452 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 626,553.18 | 3.23 |
| G04033-G05019 | 8 | 306 | 0.003 | 5.1 | 2,655.09 | 0.39 | 486 | 485 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 527,627.10 | 2.72 |
| F07011-F07009 | 8 | 170 | 0.006 | 3 | 608.06 | 0.39 | 456 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 707,886.04 | 3.65 |
| E14057-E14055 | 8 | 199 | 0.005 | 3.9 | 795.13 | 0.39 | 449 | 448 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 654,276.42 | 3.37 |
| F13005-F13003 | 8 | 201 | 0.01 | 1.9 | 270.12 | 0.39 | 401 | 399 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 920,671.66 | 4.75 |
| C02073-C02071 | 8 | 273 | 0.011 | 2 | 364.93 | 0.39 | 631 | 628 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 967,535.95 | 4.99 |
| E03151-E03147 | 4 | 78 | 0.006 | 5.5 | 627.05 | 0.39 | 560 | 559.5 | Vitrified Clay Pipe-Circular-4 inch | 0.1 | 116,380.13 | 1.80 |
| G12053-G12023 | 8 | 184 | 0.003 | 15 | 1,080.49 | 0.39 | 381.87 | 381.36 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 485,919.12 | 2.51 |
| E14103-E14099 | 8 | 197 | 0.005 | 4.8 | 795.13 | 0.39 | 438 | 437 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 657,589.23 | 3.39 |
| F07005-F07003 | 8 | 167 | 0.006 | 3.7 | 608.06 | 0.39 | 453 | 452 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 714,215.99 | 3.68 |
| E18101-E18099 | 8 | 97 | 0.01 | 1.9 | 397.56 | 0.39 | 540 | 539 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 937,134.53 | 4.83 |
| E02099-E02097 | 8 | 292 | 0.006 | 3 | 1,085.17 | 0.39 | 556.03 | 554.38 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 689,102.66 | 3.55 |
| G09137-G09135 | 8 | 400 | 0.005 | 3.8 | 848.88 | 0.39 | 425 | 423 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 652,638.68 | 3.37 |
| G14063-G14061 | 8 | 198 | 0.005 | 2.7 | 540.24 | 0.39 | 405 | 404 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,926.55 | 3.38 |
| J07161-J07153 | 8 | 203 | 0.002 | 4.4 | 1,627.90 | 0.39 | 416.66 | 416.18 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 448,807.81 | 2.31 |
| H13017-H13015 | 8 | 195 | 0.003 | 3.9 | 1,080.49 | 0.39 | 372 | 371.45 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 490,175.78 | 2.53 |
| G05073-G05071 | 8 | 295 | 0.003 | 5.5 | 2,472.43 | 0.4 | 472 | 471 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 537,374.18 | 2.77 |
| F02080-F02079 | 8 | 116 | 0.009 | 2.6 | 398.59 | 0.4 | 540.28 | 539.09 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 857,080.76 | 4.42 |
| H13037-H13035 | 8 | 208 | 0.001 | 6.1 | 2,379.78 | 0.4 | 373.2 | 372.9 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 350,523.20 | 1.81 |
| E11085-E11083 | 8 | 189 | 0.005 | 3.5 | 795.13 | 0.4 | 414 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 671,362.23 | 3.46 |
| F09065-F09063 | 8 | 319 | 0.006 | 2.4 | 441.47 | 0.4 | 417 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 730,815.02 | 3.77 |
| F12041-F12037 | 8 | 310 | 0.003 | 3.9 | 1,517.66 | 0.4 | 390 | 389 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 524,212.00 | 2.70 |
| G09165-G09163 | 8 | 246 | 0.004 | 3.8 | 1,215.36 | 0.4 | 418 | 417 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 588,464.48 | 3.03 |
| G10071-G10069 | 8 | 302 | 0.003 | 3.3 | 1,073.52 | 0.4 | 400 | 399 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 531,109.83 | 2.74 |
| J11099-J11095 | 8 | 307 | 0.005 | 3 | 812.96 | 0.4 | 375.66 | 374 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 678,691.90 | 3.50 |
| F18047-F18033 | 12 | 70 | 0.014 | 7 | 397.56 | 0.4 | 547 | 546 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,252,486.32 | 6.29 |
| F05135-F05133 | 8 | 302 | 0.003 | 4.4 | 1,195.78 | 0.4 | 502 | 501 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 531,109.83 | 2.74 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| C06103-C06097 | 8 | 204 | 0.005 | 3.1 | 662.21 | 0.4 | 612 | 611 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 646,208.59 | 3.33 |
| F15029-F15027 | 8 | 291 | 0.003 | 4 | 1,298.54 | 0.4 | 454 | 453.12 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 507,554.46 | 2.62 |
| E13113-E13111 | 8 | 183 | 0.005 | 4.2 | 795.13 | 0.4 | 416 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 682,279.41 | 3.52 |
| C07007-D07027 | 8 | 346 | 0.012 | 2 | 329.68 | 0.4 | 506 | 502 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 992,384.00 | 5.12 |
| F03053-F03051 | 8 | 364 | 0.003 | 5.1 | 1,594.37 | 0.4 | 520 | 519 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 483,767.98 | 2.49 |
| F03079-F03077 | 8 | 298 | 0.003 | 4.2 | 1,195.78 | 0.4 | 513 | 512 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 534,662.44 | 2.76 |
| K14097-K14095 | 8 | 93 | 0.001 | 11.9 | 6,145.11 | 0.4 | 321.6 | 321.52 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 270,701.91 | 1.40 |
| D07035-D07013 | 8 | 91 | 0.011 | 4 | 330.23 | 0.41 | 494 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 967,535.95 | 4.99 |
| H12057-H12055 | 8 | 182 | 0.005 | 2.9 | 540.24 | 0.41 | 374 | 373 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 684,151.23 | 3.53 |
| F03039-F03037 | 8 | 358 | 0.003 | 5 | 1,594.37 | 0.41 | 526 | 525 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 487,805.05 | 2.52 |
| G04053-G04051 | 8 | 339 | 0.009 | 3 | 909.96 | 0.41 | 494 | 491 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 868,257.58 | 4.48 |
| G05153-G05151 | 8 | 105 | 0.01 | 2 | 398.59 | 0.41 | 488 | 487 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 900,726.95 | 4.65 |
| G05075-G05073 | 8 | 305 | 0.007 | 3.9 | 1,137.45 | 0.41 | 474 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 747,399.64 | 3.85 |
| H05033-H05031 | 8 | 335 | 0.009 | 3.3 | 909.96 | 0.41 | 469 | 466 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 873,425.83 | 4.50 |
| C07073-C07057 | 8 | 391 | 0.005 | 3.5 | 662.21 | 0.41 | 520 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 660,107.13 | 3.40 |
| F10047-F10045 | 8 | 299 | 0.007 | 2.5 | 441.47 | 0.41 | 416 | 414 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 754,861.39 | 3.89 |
| C07075-C07055 | 8 | 390 | 0.005 | 4.1 | 662.21 | 0.41 | 517 | 515 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 660,952.88 | 3.41 |
| J07151-J07149 | 8 | 324 | 0.003 | 3.8 | 1,482.30 | 0.41 | 412.57 | 411.44 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 545,072.82 | 2.81 |
| F06033-F06031 | 8 | 109 | 0.009 | 2.6 | 591.01 | 0.41 | 478 | 477 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 884,045.38 | 4.56 |
| F14121-F14119 | 8 | 251 | 0.004 | 3.7 | 1,192.69 | 0.41 | 448 | 447 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 582,573.80 | 3.00 |
| E02101-E02099 | 8 | 296 | 0.006 | 3 | 1,093.34 | 0.41 | 557.7 | 556.03 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 690,936.14 | 3.56 |
| F14137-F14135 | 8 | 248 | 0.012 | 1.6 | 397.56 | 0.41 | 431 | 428 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,015,132.18 | 5.24 |
| G14093-G14091 | 8 | 175 | 0.006 | 2.9 | 540.24 | 0.41 | 419 | 418 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 697,700.10 | 3.60 |
| E05125-E05123 | 8 | 196 | 0.005 | 5.9 | 797.19 | 0.41 | 531 | 530 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 659,264.62 | 3.40 |
| L13159-L13157 | 8 | 193 | 0.005 | 100 | 853.11 | 0.41 | 329 | 328 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 664,368.68 | 3.43 |
| C02126-C02124 | 8 | 300 | 0.018 | 1.8 | 355.87 | 0.41 | 655.5 | 650.2 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,226,775.56 | 6.33 |
| H13035-H13025 | 8 | 198 | 0.002 | 10.3 | 2,827.92 | 0.41 | 372.9 | 372.6 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 359,265.77 | 1.85 |
| E07107-E07105 | 8 | 250 | 0.004 | 4.2 | 1,216.12 | 0.41 | 486 | 485 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 583,737.78 | 3.01 |
| H13049-H13047 | 8 | 248 | 0.004 | 3.4 | 810.37 | 0.42 | 373 | 372 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 586,086.84 | 3.02 |
| F12059-F12057 | 8 | 171 | 0.006 | 2.2 | 540.24 | 0.42 | 398 | 397 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 705,813.16 | 3.64 |
| L13001-K13039 | 15 | 319 | 0.003 | 18.5 | 2,015.87 | 0.42 | 325 | 324 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,762,459.11 | 3.56 |
| G12103-G12101 | 8 | 351 | 0.004 | 2.7 | 787.26 | 0.42 | 376.5 | 375 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 603,364.67 | 3.11 |
| G04019-G04017 | 8 | 316 | 0.009 | 3.1 | 909.96 | 0.42 | 490 | 487 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 899,300.62 | 4.64 |
| G10053-G10051 | 8 | 201 | 0.002 | 9.7 | 1,612.30 | 0.42 | 402 | 401.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 460,335.83 | 2.37 |
| G12061-G12059 | 8 | 304 | 0.003 | 4.2 | 1,080.49 | 0.42 | 385 | 384 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 529,359.87 | 2.73 |
| F06035-F06033 | 8 | 354 | 0.008 | 2.1 | 608.06 | 0.42 | 481 | 478 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 849,663.19 | 4.38 |
| F02079-F02078 | 8 | 232 | 0.004 | 4.6 | 1,256.15 | 0.42 | 539.09 | 538.32 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 554,936.60 | 2.86 |
| D15001-E15011 | 8 | 297 | 0.003 | 5.2 | 1,597.19 | 0.42 | 466 | 465 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 535,561.79 | 2.76 |
| H11009-H12079 | 8 | 270 | 0.004 | 5 | 1,470.15 | 0.42 | 366 | 365 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 561,701.94 | 2.90 |
| F02159-F02158 | 8 | 300 | 0.009 | 18.1 | 509.03 | 0.42 | 541.62 | 540.18 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 859,636.82 | 4.43 |
| F05153-F05151 | 8 | 328 | 0.003 | 4.2 | 1,594.37 | 0.42 | 506 | 505 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 509,625.19 | 2.63 |
| E17023-E16091 | 8 | 235 | 0.004 | 4.5 | 1,192.69 | 0.42 | 506 | 505 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 602,079.55 | 3.11 |
| J06011-J06009 | 8 | 175 | 0.014 | 2.6 | 858.16 | 0.42 | 425.05 | 422.63 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,085,366.63 | 5.60 |
| C06105-C06057 | 8 | 210 | 0.005 | 5.5 | 1,320.19 | 0.42 | 538 | 537 | Concrete-Circular-8 inch | 0.3 | 538,923.96 | 2.78 |
| G05125-G05115 | 8 | 325 | 0.003 | 5.5 | 1,594.37 | 0.42 | 492 | 491 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 511,971.90 | 2.64 |
| G13133-G13131 | 8 | 327 | 0.006 | 3.9 | 540.24 | 0.42 | 384 | 382 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 721,820.03 | 3.72 |
| F10045-G10019 | 8 | 261 | 0.004 | 3.3 | 1,101.39 | 0.42 | 414 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 571,304.38 | 2.95 |
| D07027-D07017 | 8 | 357 | 0.006 | 3.6 | 769.18 | 0.42 | 502 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 690,826.04 | 3.56 |
| C03037-C03035 | 8 | 219 | 0.005 | 3.2 | 1,094.11 | 0.42 | 690 | 689 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 623,685.65 | 3.22 |
| G05025-G05023 | 8 | 279 | 0.007 | 3.3 | 1,137.45 | 0.42 | 484 | 482 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 781,449.11 | 4.03 |
| D13017-D13015 | 8 | 192 | 0.005 | 4.4 | 986.94 | 0.42 | 427 | 426 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 666,096.56 | 3.44 |
| G09083-G09077 | 8 | 349 | 0.009 | 6.7 | 536.2 | 0.42 | 405 | 402 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 855,727.96 | 4.41 |
| F04069-F04067 | 8 | 321 | 0.003 | 4.7 | 1,594.37 | 0.42 | 505 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 515,151.88 | 2.66 |
| F14135-F13087 | 8 | 252 | 0.016 | 1.6 | 394.77 | 0.42 | 428 | 424 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,162,833.49 | 6.00 |
| F15145-F15143 | 8 | 219 | 0.014 | 2.9 | 397.56 | 0.43 | 455 | 452 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,080,255.23 | 5.57 |
| J11075-J12071 | 8 | 316 | 0.003 | 4.9 | 1,960.20 | 0.43 | 367 | 366 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 519,211.46 | 2.68 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| C02053-C02051 | 8 | 151 | 0.007 | 3.7 | 729.87 | 0.43 | 643 | 642 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 751,102.72 | 3.87 |
| G13073-G13071 | 8 | 232 | 0.004 | 6.8 | 827.62 | 0.43 | 406 | 405 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 605,959.80 | 3.13 |
| G05079-G05067 | 8 | 324 | 0.003 | 6.6 | 4,005.50 | 0.43 | 468 | 467 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 512,761.37 | 2.64 |
| J06017-J06015 | 8 | 123 | 0.013 | 2.2 | 860.07 | 0.43 | 427.17 | 425.59 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,046,077.34 | 5.40 |
| G05071-G05069 | 8 | 308 | 0.003 | 6.1 | 3,772.90 | 0.43 | 471 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 525,911.24 | 2.71 |
| H11111-H11109 | 6 | 220 | 0.009 | 3.2 | 490.05 | 0.43 | 374 | 372 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 408,621.77 | 3.16 |
| F06025-F06001 | 8 | 221 | 0.005 | 5.8 | 1,717.48 | 0.43 | 470 | 469 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 620,857.13 | 3.20 |
| E02103-E02101 | 8 | 191 | 0.006 | 3 | 1,104.30 | 0.43 | 558.84 | 557.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 702,113.17 | 3.62 |
| G07021-G07019 | 8 | 228 | 0.004 | 4 | 1,216.12 | 0.43 | 471 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 611,252.13 | 3.15 |
| E12073-E12071 | 8 | 77 | 0.006 | 4.8 | 795.13 | 0.43 | 415 | 414.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 743,750.80 | 3.84 |
| E06129-E06127 | 8 | 271 | 0.002 | 7.1 | 3,626.07 | 0.43 | 496.5 | 496 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 396,449.76 | 2.04 |
| F13119-F13117 | 8 | 222 | 0.005 | 3.4 | 1,192.69 | 0.43 | 414 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 619,457.22 | 3.19 |
| H05029-H05027 | 8 | 320 | 0.003 | 9.4 | 4,011.82 | 0.43 | 464 | 463 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 515,956.18 | 2.66 |
| E13043-E13041 | 8 | 221 | 0.005 | 4.2 | 1,192.69 | 0.43 | 426 | 425 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 620,857.13 | 3.20 |
| J11095-J11093 | 8 | 213 | 0.005 | 5.6 | 1,333.14 | 0.43 | 374 | 373 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 632,408.95 | 3.26 |
| H06051-H06041 | 8 | 182 | 0.005 | 4 | 915.96 | 0.43 | 448 | 447 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 684,151.23 | 3.53 |
| G09171-G09169 | 8 | 395 | 0.013 | 2 | 476.12 | 0.43 | 424 | 419 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,038,422.91 | 5.36 |
| E15093-E14033 | 8 | 272 | 0.004 | 5.6 | 1,590.25 | 0.43 | 454 | 453 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 559,633.05 | 2.89 |
| F14041-F14037 | 8 | 298 | 0.003 | 3.7 | 1,307.20 | 0.43 | 442 | 441 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 534,662.44 | 2.76 |
| F15071-F15069 | 8 | 137 | 0.015 | 2.2 | 397.56 | 0.43 | 468 | 466 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,115,173.71 | 5.75 |
| G05053-G05051 | 8 | 298 | 0.007 | 3.3 | 1,566.09 | 0.44 | 483 | 481 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 756,126.87 | 3.90 |
| F03067-F03065 | 8 | 300 | 0.003 | 4.6 | 1,594.37 | 0.44 | 522 | 521 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 532,877.25 | 2.75 |
| D13057-D13055 | 8 | 253 | 0.012 | 2.3 | 466.21 | 0.44 | 428 | 425 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,005,051.17 | 5.18 |
| G13075-F13031 | 8 | 272 | 0.004 | 11.8 | 1,094.50 | 0.44 | 402 | 401 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 559,633.05 | 2.89 |
| D11069-D11067 | 8 | 110 | 0.009 | 2.5 | 659.12 | 0.44 | 433 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 880,017.82 | 4.54 |
| F03071-F03069 | 8 | 298 | 0.003 | 5.1 | 1,594.37 | 0.44 | 519 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 534,662.44 | 2.76 |
| F03075-F03073 | 8 | 298 | 0.003 | 4.6 | 1,594.37 | 0.44 | 516 | 515 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 534,662.44 | 2.76 |
| J06031-J06029 | 8 | 266 | 0.007 | 2.5 | 874.09 | 0.44 | 432.04 | 430.05 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 798,313.60 | 4.12 |
| G04115-G04113 | 8 | 492 | 0.002 | 6.6 | 2,783.22 | 0.44 | 497 | 496 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 416,107.22 | 2.15 |
| F04125-F04123 | 8 | 201 | 0.002 | 6.6 | 2,391.56 | 0.44 | 516.46 | 515.99 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 446,312.15 | 2.30 |
| D14127-D14125 | 8 | 260 | 0.004 | 3.9 | 1,589.55 | 0.44 | 474 | 473 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 572,401.99 | 2.95 |
| G05085-H05053 | 8 | 299 | 0.007 | 3.7 | 1,572.86 | 0.44 | 473 | 471 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 754,861.39 | 3.89 |
| C01020-C01019 | 8 | 293 | 0.003 | 6.3 | 3,499.97 | 0.44 | 640.71 | 639.68 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 543,535.85 | 2.80 |
| H09021-H09019 | 6 | 142 | 0.007 | 3.2 | 679.11 | 0.44 | 418 | 417 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 359,644.71 | 2.78 |
| E12017-E12015 | 8 | 304 | 0.003 | 9.5 | 1,987.82 | 0.44 | 416 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 529,359.87 | 2.73 |
| E03161-E03159 | 8 | 218 | 0.009 | 2.1 | 655.37 | 0.44 | 565 | 563 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 884,045.38 | 4.56 |
| E14091-E14089 | 8 | 300 | 0.003 | 10.5 | 1,987.82 | 0.44 | 435 | 434.01 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 530,206.17 | 2.73 |
| E08091-E08089 | 8 | 215 | 0.005 | 4.3 | 1,216.12 | 0.44 | 463 | 462 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 629,460.64 | 3.25 |
| D16083-D16081 | 8 | 55 | 0.001 | 12.2 | 8,909.92 | 0.44 | 481 | 480.95 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 278,286.07 | 1.44 |
| E04159-E04157 | 8 | 250 | 0.012 | 2.1 | 398.59 | 0.44 | 537 | 534 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,011,063.49 | 5.21 |
| F03059-F03057 | 8 | 356 | 0.003 | 4.8 | 1,992.96 | 0.44 | 518 | 517 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 489,173.37 | 2.52 |
| E11071-E11069 | 10 | 379 | 0.005 | 3.4 | 1,192.69 | 0.44 | 411 | 409 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,215,653.77 | 3.76 |
| H06019-H06017 | 8 | 344 | 0.006 | 3.3 | 915.96 | 0.44 | 447 | 445 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 703,758.39 | 3.63 |
| G05123-G05117 | 8 | 290 | 0.003 | 5.8 | 1,594.37 | 0.44 | 493 | 492 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 541,986.92 | 2.80 |
| E02082-E02080 | 8 | 301 | 0.002 | 7.2 | 3,927.79 | 0.44 | 563.51 | 563 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 380,550.47 | 1.96 |
| F03063-F03061 | 8 | 289 | 0.003 | 5.1 | 1,594.37 | 0.44 | 524 | 523 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 542,923.81 | 2.80 |
| E05071-E05069 | 8 | 129 | 0.008 | 2.7 | 655.37 | 0.44 | 526 | 525 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 812,630.19 | 4.19 |
| F15037-G15023 | 8 | 289 | 0.007 | 2.2 | 540.24 | 0.44 | 446 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 767,810.21 | 3.96 |
| C02132-C02130 | 8 | 274.8 | 0.017 | 1.4 | 364.58 | 0.44 | 672.64 | 667.91 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,208,269.57 | 6.23 |
| F07007-F07003 | 8 | 337 | 0.003 | 5.1 | 2,383.86 | 0.44 | 453 | 452 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 502,774.05 | 2.59 |
| F05157-F05155 | 8 | 163 | 0.012 | 2.1 | 398.59 | 0.44 | 505 | 503 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,022,372.13 | 5.27 |
| C02049-C02047 | 8 | 137 | 0.007 | 3.6 | 729.87 | 0.44 | 641 | 640 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 788,546.89 | 4.07 |
| J06035-J06031 | 8 | 247 | 0.007 | 2.5 | 879.84 | 0.44 | 433.82 | 432.04 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 783,518.64 | 4.04 |
| J05001-J06043 | 8 | 243 | 0.005 | 2.9 | 989.92 | 0.44 | 439.15 | 437.95 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 648,597.53 | 3.35 |
| E02073-E02072 | 8 | 80.2 | 0.006 | 3.6 | 797.19 | 0.45 | 562.2 | 561.69 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 732,369.73 | 3.78 |
| E11083-E11081 | 8 | 283 | 0.004 | 5.8 | 1,983.37 | 0.45 | 413 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 548,649.00 | 2.83 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| C03025-C03023 | 8 | 238 | 0.004 | 3.7 | 1,459.73 | 0.45 | 666 | 665 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 598,272.90 | 3.09 |
| E06143-F06099 | 8 | 355 | 0.003 | 6.6 | 2,432.24 | 0.45 | 490 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 489,861.86 | 2.53 |
| C02128-C02126 | 8 | 300 | 0.019 | 1.4 | 360.2 | 0.45 | 661.11 | 655.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,262,143.14 | 6.51 |
| H12047-H12041 | 8 | 178 | 0.002 | 13.3 | 2,877.21 | 0.45 | 366 | 365.68 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 391,338.70 | 2.02 |
| E03159-E03157 | 8 | 97 | 0.01 | 2.3 | 648.69 | 0.45 | 563 | 562 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 937,134.53 | 4.83 |
| H05041-H05039 | 8 | 334 | 0.012 | 3.5 | 909.96 | 0.45 | 471 | 467 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,010,053.95 | 5.21 |
| G08113-G08111 | 8 | 323 | 0.012 | 4.4 | 509.33 | 0.45 | 436 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,027,109.02 | 5.30 |
| F08071-F08069 | 8 | 232 | 0.004 | 4.4 | 1,074.87 | 0.45 | 443 | 442 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 605,959.80 | 3.13 |
| J11019-J11017 | 8 | 221 | 0.005 | 5 | 1,468.51 | 0.45 | 382 | 381 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 620,857.13 | 3.20 |
| F15053-F15051 | 8 | 285 | 0.004 | 3.7 | 1,350.61 | 0.45 | 451 | 450 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 546,720.52 | 2.82 |
| G11039-G11025 | 8 | 263 | 0.008 | 6.4 | 537.43 | 0.45 | 385 | 383 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 804,868.50 | 4.15 |
| J12061-J12059 | 8 | 481 | 0.002 | 12 | 4,585.54 | 0.45 | 362 | 361 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 420,838.31 | 2.17 |
| D07057-D07053 | 8 | 183 | 0.015 | 1.8 | 220.74 | 0.45 | 516.8 | 514 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,141,671.81 | 5.89 |
| F09129-F09127 | 8 | 230 | 0.004 | 3.6 | 1,074.87 | 0.45 | 434 | 433 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 608,588.71 | 3.14 |
| H05031-H05029 | 8 | 335 | 0.006 | 5.2 | 2,248.77 | 0.45 | 466 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 713,149.20 | 3.68 |
| G13003-G13001 | 8 | 336 | 0.003 | 4.5 | 1,620.73 | 0.45 | 389 | 388 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 503,521.67 | 2.60 |
| E14049-E14035 | 8 | 326 | 0.003 | 6.3 | 2,385.38 | 0.45 | 438 | 437 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 511,186.07 | 2.64 |
| K13033-K13031 | 8 | 276 | 0.002 | 6.8 | 2,617.04 | 0.45 | 338.2 | 337.52 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 458,128.94 | 2.36 |
| H11003-H11001 | 8 | 124 | 0.005 | 4 | 1,348.24 | 0.45 | 369 | 368.39 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 647,354.07 | 3.34 |
| D08095-D08093 | 8 | 376 | 0.008 | 2 | 525.91 | 0.46 | 479 | 476 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 824,431.38 | 4.25 |
| C07069-C07067 | 8 | 189 | 0.011 | 1.9 | 441.47 | 0.46 | 530 | 528 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 949,449.57 | 4.90 |
| H11001-H12075 | 8 | 239 | 0.004 | 5.3 | 2,319.73 | 0.46 | 368.39 | 367.54 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 550,425.21 | 2.84 |
| E12023-E12013 | 12 | 229 | 0.009 | 4.1 | 795.13 | 0.46 | 416 | 414 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,543,090.14 | 4.92 |
| K14073-K14071 | 8 | 313 | 0.003 | 9.3 | 1,969.77 | 0.46 | 330 | 329 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 521,693.76 | 2.69 |
| G05081-G05079 | 8 | 320 | 0.006 | 5.2 | 2,239.52 | 0.46 | 470 | 468 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 729,672.23 | 3.76 |
| J06039-J06035 | 8 | 247 | 0.007 | 2.5 | 882.53 | 0.46 | 435.58 | 433.82 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 779,104.41 | 4.02 |
| G04017-G04015 | 8 | 322 | 0.006 | 4.3 | 2,023.30 | 0.46 | 487 | 485 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 727,402.63 | 3.75 |
| C06075-C06073 | 8 | 354 | 0.003 | 5.4 | 2,199.72 | 0.46 | 554 | 553 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 490,553.27 | 2.53 |
| E03141-E03139 | 8 | 270 | 0.004 | 5.4 | 1,966.11 | 0.46 | 569 | 568 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 561,701.94 | 2.90 |
| F08081-F08079 | 8 | 221 | 0.005 | 4.4 | 1,074.87 | 0.46 | 439 | 438 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 620,857.13 | 3.20 |
| G04039-H04011 | 8 | 302 | 0.01 | 3.4 | 1,351.58 | 0.46 | 479 | 476 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 919,909.20 | 4.74 |
| E12113-E12111 | 8 | 461 | 0.002 | 6.5 | 3,578.07 | 0.46 | 411 | 410 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 429,870.20 | 2.22 |
| E11159-E11157 | 8 | 131 | 0.008 | 2.5 | 816.89 | 0.46 | 407 | 406 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 806,403.05 | 4.16 |
| F15011-F15009 | 8 | 329 | 0.006 | 2.9 | 810.37 | 0.46 | 457 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 719,622.70 | 3.71 |
| G14097-G14095 | 8 | 281 | 0.001 | 9.8 | 5,790.29 | 0.46 | 397.06 | 396.78 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 291,349.09 | 1.50 |
| F12057-F12047 | 8 | 301 | 0.01 | 2.4 | 523.13 | 0.46 | 397 | 394 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 921,436.02 | 4.75 |
| H09019-G09155 | 8 | 246 | 0.008 | 2.8 | 800.74 | 0.46 | 417 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 832,214.45 | 4.29 |
| D03131-D03129 | 8 | 266 | 0.004 | 4.6 | 1,966.11 | 0.46 | 585 | 584 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 565,909.51 | 2.92 |
| D11083-D11081 | 8 | 266 | 0.004 | 5.5 | 2,011.31 | 0.46 | 448 | 447 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 565,909.51 | 2.92 |
| J11073-J12067 | 8 | 160 | 0.006 | 4.1 | 1,225.13 | 0.46 | 370 | 369 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 729,672.23 | 3.76 |
| F07077-F07075 | 8 | 253 | 0.004 | 5.1 | 1,824.18 | 0.46 | 471 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 580,266.56 | 2.99 |
| J06091-J06089 | 8 | 47 | 0.007 | 8.1 | 808.4 | 0.46 | 430.66 | 430.33 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 773,385.18 | 3.99 |
| E12091-E12085 | 8 | 253 | 0.004 | 8.8 | 1,981.11 | 0.46 | 415 | 414 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 580,266.56 | 2.99 |
| J12057-J12055 | 8 | 430 | 0.006 | 4 | 1,223.69 | 0.46 | 364.75 | 362 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 738,108.02 | 3.81 |
| F07141-F07139 | 8 | 385 | 0.003 | 5.8 | 3,040.30 | 0.46 | 468 | 467 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 470,389.31 | 2.43 |
| F14047-F14045 | 8 | 217 | 0.005 | 3.6 | 1,056.39 | 0.46 | 430 | 429 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 626,553.18 | 3.23 |
| G04075-G04069 | 8 | 252 | 0.004 | 5.9 | 3,773.75 | 0.46 | 476 | 475 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 581,416.75 | 3.00 |
| C02086-C02084 | 8 | 0 | 0.003 | 5.4 | 2,936.91 | 0.46 | 653.57 | 652.92 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 528,824.89 | 2.73 |
| C02084-C02082 | 8 | 224.2 | 0.004 | 5.2 | 2,915.20 | 0.46 | 652.92 | 652.13 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 570,185.51 | 2.94 |
| J11145-J11143 | 8 | 99 | 0.004 | 4.7 | 1,829.27 | 0.46 | 372.18 | 371.77 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 593,966.76 | 3.06 |
| F09059-F10043 | 8 | 265 | 0.011 | 2 | 441.01 | 0.46 | 418 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 982,031.68 | 5.06 |
| F04083-F04079 | 8 | 199 | 0.002 | 6.3 | 3,152.52 | 0.47 | 523.54 | 523.08 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 443,751.86 | 2.29 |
| F14017-F14015 | 8 | 378 | 0.008 | 2.5 | 540.24 | 0.47 | 448 | 445 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 822,247.45 | 4.24 |
| F09075-F09067 | 8 | 297 | 0.01 | 2.7 | 551.47 | 0.47 | 418 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 927,620.23 | 4.78 |
| G04035-G04033 | 8 | 298 | 0.007 | 4.5 | 2,017.27 | 0.47 | 488 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 756,126.87 | 3.90 |
| G07017-G07015 | 8 | 310 | 0.003 | 5.7 | 2,432.24 | 0.47 | 459 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 524,212.00 | 2.70 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|-------------------------------------|-------------------------------------|----------------|-----------------------------|
| G09163-G09159 | 8 | 240 | 0.004 | 4.2 | 1,973.91 | 0.47 | 417 | 415.94 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 613,387.78 | 3.16 |
| G04013-G04011 | 8 | 256 | 0.004 | 6.6 | 4,179.90 | 0.47 | 482 | 481 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| D13113-D13061 | 8 | 228 | 0.004 | 9.7 | 1,701.17 | 0.47 | 427 | 426 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 611,252.13 | 3.15 |
| H06049-H06043 | 8 | 130 | 0.008 | 3.4 | 732.77 | 0.47 | 450 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 809,498.65 | 4.17 |
| D02109-E02029 | 8 | 460 | 0.005 | 3.4 | 1,261.98 | 0.47 | 591.82 | 589.51 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 654,055.92 | 3.37 |
| E14039-E14037 | 8 | 255 | 0.004 | 4.4 | 1,987.82 | 0.47 | 440 | 439 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 577,986.53 | 2.98 |
| E13123-F13127 | 8 | 205 | 0.005 | 4.2 | 1,585.11 | 0.47 | 414 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 644,630.54 | 3.32 |
| G05059-G05057 | 8 | 258 | 0.008 | 3.6 | 1,773.27 | 0.47 | 472 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 812,630.19 | 4.19 |
| G05029-G05027 | 8 | 303 | 0.007 | 3.9 | 2,028.72 | 0.47 | 480 | 478 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 749,862.25 | 3.87 |
| F15019-F15015 | 8 | 313 | 0.003 | 4.6 | 2,076.97 | 0.47 | 458 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 521,693.76 | 2.69 |
| E11105-E11103 | 8 | 152 | 0.007 | 3.7 | 1,192.69 | 0.47 | 416 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 748,627.91 | 3.86 |
| E11155-E11153 | 8 | 323 | 0.003 | 8.7 | 2,736.28 | 0.47 | 405 | 404 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 513,554.51 | 2.65 |
| F02049-F02047 | 8 | 153 | 0.015 | 6 | 398.59 | 0.47 | 532.27 | 529.97 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,131,634.06 | 5.84 |
| J11143-J11141 | 8 | 247 | 0.003 | 5.4 | 2,804.81 | 0.47 | 371.77 | 371 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 515,329.13 | 2.66 |
| G04007-G04005 | 8 | 285 | 0.014 | 3.1 | 909.96 | 0.47 | 486 | 482 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,093,441.05 | 5.64 |
| H11095-H11093 | 8 | 318 | 0.003 | 6.5 | 1,858.16 | 0.47 | 383 | 382 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 517,576.14 | 2.67 |
| G07055-G07053 | 8 | 303 | 0.003 | 5.3 | 1,992.96 | 0.47 | 456 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 530,232.68 | 2.73 |
| G04029-G04027 | 8 | 300 | 0.007 | 4.1 | 2,032.51 | 0.47 | 484 | 482 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 753,602.23 | 3.89 |
| E12125-E12123 | 8 | 249 | 0.004 | 4.2 | 1,987.82 | 0.47 | 414 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 584,908.77 | 3.02 |
| H05053-H05051 | 8 | 299 | 0.007 | 4.2 | 2,217.25 | 0.47 | 471 | 469 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 754,861.39 | 3.89 |
| B01018-B01016 | 8 | 269 | 0.02 | 1.3 | 364.93 | 0.47 | 688.27 | 682.85 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,307,692.31 | 6.74 |
| G04005-G04003 | 8 | 301 | 0.007 | 4.5 | 2,256.45 | 0.47 | 482 | 480 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 752,349.36 | 3.88 |
| C02133-C02132 | 8 | 102 | 0.02 | 1.4 | 364.93 | 0.47 | 674.69 | 672.64 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,308,472.66 | 6.75 |
| G12109-H12067 | 8 | 341 | 0.003 | 8 | 1,890.85 | 0.47 | 376 | 375 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 499,816.53 | 2.58 |
| E11137-E11135 | 8 | 248 | 0.004 | 4.8 | 1,987.82 | 0.47 | 428 | 427 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 586,086.84 | 3.02 |
| C01019-C01017 | 8 | 99.5 | 0.003 | 6.8 | 4,854.48 | 0.47 | 639.68 | 639.34 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 538,179.64 | 2.78 |
| D08079-D08077 | 8 | 276 | 0.018 | 1.8 | 220.74 | 0.47 | 499 | 494 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,242,276.50 | 6.41 |
| E13097-E13093 | 8 | 243 | 0.003 | 11.5 | 3,551.91 | 0.48 | 427 | 426.32 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 488,246.49 | 2.52 |
| K14009-K14007 | 8 | 244 | 0.004 | 5.4 | 1,631.25 | 0.48 | 329 | 328 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 590,871.30 | 3.05 |
| G05131-G05129 | 8 | 239 | 0.004 | 4.5 | 1,594.37 | 0.48 | 491 | 490 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 597,019.97 | 3.08 |
| G13069-G13067 | 8 | 336 | 0.003 | 4.7 | 1,890.85 | 0.48 | 388 | 387 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 503,521.67 | 2.60 |
| F15143-F15131 | 8 | 242 | 0.004 | 7.1 | 1,985.47 | 0.48 | 452 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 593,307.89 | 3.06 |
| H04037-H04035 | 8 | 307 | 0.007 | 6 | 2,466.62 | 0.48 | 474 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 744,961.14 | 3.84 |
| K14075-K14073 | 8 | 288 | 0.007 | 3.6 | 983.91 | 0.48 | 332 | 330 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 769,142.06 | 3.97 |
| E03185-E03183 | 8 | 209 | 0.005 | 4 | 1,928.28 | 0.48 | 561 | 560 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 638,432.03 | 3.29 |
| G04041-G04039 | 8 | 263 | 0.015 | 2.4 | 682.47 | 0.48 | 483 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,138,255.95 | 5.87 |
| F14015-F14013 | 8 | 378 | 0.005 | 3 | 1,046.21 | 0.48 | 445 | 443 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 671,362.23 | 3.46 |
| F03077-F04021 | 8 | 298 | 0.003 | 4.8 | 2,363.42 | 0.48 | 512 | 511 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 534,662.44 | 2.76 |
| H04011-H04009 | 8 | 302 | 0.007 | 4.2 | 2,231.87 | 0.48 | 476 | 474 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 751,102.72 | 3.87 |
| K13029-K13027 | 8 | 230 | 0.004 | 4.8 | 1,570.22 | 0.48 | 337 | 336 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 608,588.71 | 3.14 |
| C07003-C07001 | 8 | 88 | 0.011 | 2 | 550.46 | 0.48 | 519 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 983,889.83 | 5.07 |
| F13121-E13097 | 8 | 244 | 0.004 | 5.3 | 2,369.68 | 0.48 | 428 | 427 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 590,871.30 | 3.05 |
| J11059-J11057 | 8 | 229 | 0.008 | 3.3 | 980.1 | 0.48 | 375 | 373.22 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 813,729.51 | 4.20 |
| F06131-F06129 | 8 | 179 | 0.003 | 11.4 | 3,203.36 | 0.48 | 488 | 487.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 487,805.05 | 2.52 |
| G15023-G15011 | 8 | 281 | 0.007 | 4.7 | 784.89 | 0.48 | 444 | 442 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 778,663.19 | 4.02 |
| C01017-C02118 | 8 | 293 | 0.003 | 7.1 | 4,849.79 | 0.48 | 639.34 | 638.63 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 544,505.03 | 2.81 |
| G03003-G03001 | 8 | 389 | 0.005 | 7.5 | 3,263.01 | 0.48 | 493 | 491 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 661,801.89 | 3.41 |
| K13019-K13017 | 8 | 240 | 0.004 | 4.6 | 1,920.38 | 0.48 | 332 | 331 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 595,774.88 | 3.07 |
| C07065-C07063 | 8 | 191 | 0.005 | 3.4 | 1,210.50 | 0.48 | 525 | 524 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 667,838.00 | 3.44 |
| E03183-E03181 | 8 | 188 | 0.005 | 3.9 | 1,909.92 | 0.48 | 560 | 559 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 673,145.40 | 3.47 |
| H05073-H05071 | 8 | 297 | 0.007 | 2.8 | 1,084.16 | 0.48 | 455 | 453 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 757,398.74 | 3.91 |
| E05069-E05067 | 8 | 171 | 0.006 | 6.3 | 1,306.54 | 0.48 | 525 | 524 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 705,813.16 | 3.64 |
| E03143-E03083 | 8 | 240 | 0.004 | 12.7 | 3,122.19 | 0.48 | 556 | 555 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 595,774.88 | 3.07 |
| E13091-E13089 | 8 | 249 | 0.002 | 9 | 5,145.08 | 0.48 | 431 | 430.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 413,592.96 | 2.13 |
| H05059-H05057 | 8 | 368 | 0.005 | 3.6 | 1,253.14 | 0.48 | 454.5 | 452.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 680,422.86 | 3.51 |
| D11085-D11083 | 8 | 63 | 0.016 | 3 | 486.86 | 0.48 | 449 | 448 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,162,833.49 | 6.00 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| F11039-F11037 | 8 | 312 | 0.003 | 5.9 | 2,782.94 | 0.49 | 405 | 404 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 522,529.13 | 2.69 |
| E18027-E18023 | 8 | 196 | 0.005 | 4 | 1,590.25 | 0.49 | 536 | 535 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 659,264.62 | 3.40 |
| F04079-F04077 | 8 | 96 | 0.002 | 6.6 | 3,909.11 | 0.49 | 523.08 | 522.85 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 451,768.67 | 2.33 |
| F03047-F03045 | 8 | 360 | 0.006 | 4.9 | 1,195.78 | 0.49 | 528 | 526 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 687,941.57 | 3.55 |
| G13015-G13013 | 8 | 198 | 0.005 | 3.3 | 1,080.49 | 0.49 | 398 | 397 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,926.55 | 3.38 |
| F05121-F05119 | 8 | 329 | 0.003 | 7.7 | 2,626.00 | 0.49 | 493 | 492 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 508,850.09 | 2.62 |
| J11135-J11089 | 8 | 330 | 0.003 | 11.4 | 3,353.54 | 0.49 | 372 | 371 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 508,078.52 | 2.62 |
| J11081-J11079 | 8 | 359 | 0.006 | 13.7 | 1,470.15 | 0.49 | 368 | 366 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 688,899.04 | 3.55 |
| G09155-G09125 | 8 | 291 | 0.007 | 8.9 | 1,412.39 | 0.49 | 415 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 765,167.14 | 3.95 |
| H05061-H05059 | 8 | 249 | 0.012 | 2.5 | 549.58 | 0.49 | 457.5 | 454.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,013,091.71 | 5.22 |
| E11069-E11067 | 10 | 328 | 0.003 | 5 | 3,565.48 | 0.49 | 409 | 408 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 924,011.95 | 2.86 |
| F13015-F13013 | 8 | 223 | 0.009 | 3.7 | 540.24 | 0.49 | 402 | 400 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 874,078.37 | 4.51 |
| C02082-C02080 | 8 | 221.5 | 0.004 | 5.3 | 3,255.42 | 0.49 | 652.13 | 651.25 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 598,902.33 | 3.09 |
| G07077-G07075 | 8 | 221 | 0.005 | 5 | 1,594.37 | 0.49 | 459 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 620,857.13 | 3.20 |
| H12079-H12077 | 8 | 349 | 0.003 | 7 | 3,664.48 | 0.49 | 365 | 364 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 494,054.77 | 2.55 |
| D12007-D12005 | 8 | 193 | 0.012 | 3.2 | 688.71 | 0.49 | 428 | 425.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,007,564.99 | 5.20 |
| F02164-F02163 | 8 | 205 | 0.026 | 13.6 | 208.74 | 0.49 | 548.69 | 543.37 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,476,087.00 | 7.61 |
| G03009-G03003 | 8 | 431 | 0.005 | 5.3 | 3,365.11 | 0.49 | 495 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 628,729.98 | 3.24 |
| E13057-E13055 | 8 | 227 | 0.004 | 4.6 | 1,987.82 | 0.49 | 422 | 421 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 612,597.02 | 3.16 |
| E18025-E18023 | 8 | 190 | 0.005 | 4 | 1,590.25 | 0.49 | 536 | 535 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 669,593.16 | 3.45 |
| H04019-H04013 | 8 | 186 | 0.002 | 16.1 | 16,052.81 | 0.49 | 474 | 473.68 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 382,830.32 | 1.97 |
| G04123-G04121 | 8 | 349 | 0.006 | 4.1 | 1,195.78 | 0.49 | 501 | 499 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 698,698.95 | 3.60 |
| F16061-F16059 | 8 | 223 | 0.004 | 4.7 | 1,986.19 | 0.49 | 491 | 490 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 618,066.74 | 3.19 |
| B01054-B01052 | 8 | 224 | 0.021 | 1.6 | 363.59 | 0.49 | 687.72 | 683.15 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,327,240.94 | 6.85 |
| F05149-F05147 | 8 | 174 | 0.006 | 3.4 | 1,195.78 | 0.49 | 505 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 699,702.11 | 3.61 |
| E06139-F06087 | 8 | 233 | 0.005 | 4.8 | 1,824.18 | 0.49 | 499.97 | 498.87 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 634,170.72 | 3.27 |
| J11097-J11095 | 8 | 127 | 0.016 | 2.5 | 528.96 | 0.49 | 376 | 374 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,158,246.36 | 5.97 |
| H09015-G09129 | 8 | 339 | 0.003 | 8.1 | 3,594.58 | 0.49 | 419 | 418 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 501,288.75 | 2.59 |
| G05057-G05003 | 8 | 254 | 0.008 | 8.8 | 2,193.03 | 0.49 | 470 | 468 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 819,003.86 | 4.22 |
| F13025-F13019 | 8 | 217 | 0.009 | 3.6 | 540.24 | 0.49 | 405 | 403 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 886,080.01 | 4.57 |
| H11011-H12081 | 8 | 321 | 0.003 | 6.7 | 3,182.31 | 0.49 | 365 | 364 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 515,151.88 | 2.66 |
| F06089-F06077 | 8 | 160 | 0.005 | 12.3 | 1,824.18 | 0.49 | 490.89 | 490.13 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 636,113.50 | 3.28 |
| E13117-E13115 | 8 | 186 | 0.005 | 4.5 | 1,590.25 | 0.5 | 417 | 416 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 676,754.78 | 3.49 |
| G15019-G15017 | 8 | 143 | 0.021 | 3.3 | 270.12 | 0.5 | 452 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,336,843.03 | 6.89 |
| E03189-E03187 | 8 | 64 | 0.008 | 3.1 | 1,281.68 | 0.5 | 562.5 | 562 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 815,798.35 | 4.21 |
| F06161-F06159 | 8 | 275 | 0.004 | 6.1 | 2,432.24 | 0.5 | 490 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 556,572.14 | 2.87 |
| F15001-G15015 | 8 | 308 | 0.004 | 4.7 | 2,299.48 | 0.5 | 448.16 | 447 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 566,423.74 | 2.92 |
| E17019-E17017 | 8 | 268 | 0.007 | 3.9 | 1,218.09 | 0.5 | 505 | 503 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 797,325.05 | 4.11 |
| G04077-G04075 | 8 | 338 | 0.006 | 5.1 | 2,701.32 | 0.5 | 478 | 476 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 709,977.29 | 3.66 |
| F08149-F08147 | 8 | 270 | 0.004 | 5.6 | 2,432.24 | 0.5 | 452 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 561,701.94 | 2.90 |
| H06039-H06037 | 8 | 206 | 0.009 | 2.4 | 732.77 | 0.5 | 453.27 | 451.4 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 879,376.79 | 4.54 |
| C07005-C07003 | 8 | 221 | 0.014 | 1.7 | 441.47 | 0.5 | 522 | 519 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,075,356.09 | 5.55 |
| H06033-H06031 | 8 | 422 | 0.004 | 4.9 | 2,507.59 | 0.5 | 447.77 | 446.2 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 562,965.02 | 2.90 |
| H13063-H13061 | 8 | 264 | 0.004 | 4.1 | 1,620.73 | 0.5 | 372 | 371 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 568,049.06 | 2.93 |
| G10079-H10039 | 12 | 663 | 0.002 | 10.7 | 7,656.39 | 0.5 | 389 | 388 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,056,836.33 | 2.04 |
| F14009-F14007 | 8 | 53 | 0.004 | 4.8 | 2,327.07 | 0.5 | 438.44 | 438.24 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 566,976.25 | 2.92 |
| F15003-F15001 | 8 | 84 | 0.004 | 4.7 | 2,309.84 | 0.5 | 448.48 | 448.16 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 569,669.74 | 2.94 |
| E16075-E16073 | 8 | 102 | 0.01 | 2.7 | 795.13 | 0.5 | 489 | 488 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 913,876.95 | 4.71 |
| E08099-E08097 | 8 | 262 | 0.004 | 5.4 | 2,427.92 | 0.5 | 465 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 570,213.06 | 2.94 |
| E02072-E02070 | 8 | 341.1 | 0.004 | 6.2 | 2,387.06 | 0.5 | 561.69 | 560.47 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 552,065.40 | 2.85 |
| F04051-F04049 | 8 | 326 | 0.006 | 3.8 | 1,195.78 | 0.5 | 514 | 512 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 722,926.27 | 3.73 |
| G05019-G05017 | 8 | 314 | 0.006 | 4.9 | 3,035.68 | 0.5 | 485 | 483 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 736,610.63 | 3.80 |
| E06131-E06129 | 8 | 131 | 0.004 | 5.8 | 2,432.24 | 0.5 | 497 | 496.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 570,213.06 | 2.94 |
| H05067-H05065 | 8 | 402 | 0.005 | 4.1 | 1,619.96 | 0.5 | 449 | 447 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 651,013.18 | 3.36 |
| C07085-C07083 | 8 | 57 | 0.035 | 1.1 | 110.37 | 0.51 | 530 | 528 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,728,882.10 | 8.92 |
| F15079-F15077 | 8 | 175 | 0.006 | 5.5 | 1,590.25 | 0.51 | 471 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 697,700.10 | 3.60 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| C02130-C02128 | 8 | 300 | 0.023 | 1.3 | 363.08 | 0.51 | 667.91 | 661.11 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,387,263.68 | 7.15 |
| F13003-F13001 | 8 | 222 | 0.008 | 2.5 | 794.72 | 0.51 | 399 | 397.3 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 807,673.40 | 4.17 |
| C07043-C07039 | 8 | 204 | 0.01 | 2.1 | 660.55 | 0.51 | 529 | 527 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 913,876.95 | 4.71 |
| J12077-J12075 | 21 | 117 | 0.001 | 45.4 | 20,397.77 | 0.51 | 357.81 | 357.68 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 4,034,081.86 | 2.60 |
| D19007-D19005 | 8 | 300 | 0.012 | 2.5 | 795.13 | 0.51 | 551.11 | 547.46 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,018,060.56 | 5.25 |
| C04015-C04013 | 8 | 251 | 0.008 | 2.7 | 1,094.80 | 0.51 | 635 | 633 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 823,883.76 | 4.25 |
| E14121-E14119 | 8 | 80 | 0.01 | 2.7 | 795.13 | 0.51 | 435 | 434.19 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 928,721.12 | 4.79 |
| F08045-F08043 | 8 | 292 | 0.003 | 5.6 | 2,149.74 | 0.51 | 435 | 434 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 540,127.61 | 2.79 |
| F09063-G09007 | 8 | 312 | 0.006 | 3 | 1,101.18 | 0.51 | 415 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 738,967.79 | 3.81 |
| G08107-G08105 | 8 | 46 | 0.002 | 10.8 | 8,785.35 | 0.51 | 426.71 | 426.64 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 360,045.93 | 1.86 |
| D13011-D13009 | 8 | 163 | 0.008 | 4.7 | 1,054.30 | 0.51 | 427 | 425.62 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 849,246.07 | 4.38 |
| J11129-J11127 | 8 | 208 | 0.005 | 6.3 | 2,115.93 | 0.51 | 380 | 379 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 639,964.88 | 3.30 |
| G10069-G10067 | 8 | 337 | 0.008 | 4.6 | 1,069.58 | 0.51 | 399 | 396.25 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 833,756.44 | 4.30 |
| G14061-G14059 | 8 | 196 | 0.005 | 12.7 | 1,319.76 | 0.51 | 404 | 403 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 659,264.62 | 3.40 |
| F15027-F15013 | 8 | 87 | 0.004 | 6.1 | 2,066.20 | 0.51 | 453.12 | 452.78 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,989.14 | 2.98 |
| C07001-D07025 | 8 | 197 | 0.01 | 2.7 | 660.17 | 0.51 | 518 | 516 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 929,971.61 | 4.80 |
| E08081-E08079 | 12 | 328 | 0.003 | 4.3 | 4,136.24 | 0.51 | 461 | 460 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,502,545.31 | 2.91 |
| G07075-G07073 | 8 | 374 | 0.003 | 6.6 | 3,564.92 | 0.51 | 458 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 477,256.67 | 2.46 |
| J11057-H11163 | 8 | 226 | 0.005 | 3.9 | 1,954.82 | 0.51 | 373.22 | 372 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 678,130.85 | 3.50 |
| C01044-C01042 | 8 | 300 | 0.008 | 3.1 | 1,396.74 | 0.51 | 643.94 | 641.42 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 844,510.06 | 4.36 |
| H11109-H11107 | 8 | 123 | 0.008 | 3.6 | 1,222.23 | 0.51 | 372 | 371 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 832,214.45 | 4.29 |
| J11071-J12067 | 8 | 224 | 0.004 | 4.8 | 2,450.25 | 0.51 | 370 | 369 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 616,685.59 | 3.18 |
| F13085-F13083 | 8 | 319 | 0.004 | 6.2 | 2,768.17 | 0.51 | 422.86 | 421.59 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 582,363.74 | 3.00 |
| H05051-H05049 | 8 | 298 | 0.007 | 14.3 | 2,849.59 | 0.51 | 469 | 467 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 756,126.87 | 3.90 |
| G04023-G04021 | 8 | 300 | 0.01 | 3.8 | 1,581.29 | 0.51 | 486 | 483 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 922,970.47 | 4.76 |
| H06035-H06033 | 8 | 400 | 0.004 | 4.6 | 2,131.81 | 0.51 | 449.54 | 447.77 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 613,966.17 | 3.17 |
| G12045-G12043 | 8 | 219 | 0.005 | 4 | 1,818.98 | 0.52 | 394 | 393 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 623,685.65 | 3.22 |
| G10015-G10013 | 10 | 265 | 0.002 | 6.9 | 6,927.27 | 0.52 | 410.5 | 410 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 726,903.19 | 2.25 |
| E10013-E10011 | 15 | 227 | 0.002 | 3.5 | 5,021.67 | 0.52 | 419 | 418.5 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,315,598.57 | 2.99 |
| J08051-J08049 | 8 | 239 | 0.01 | 4.7 | 729.94 | 0.52 | 401.61 | 399.24 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 919,100.56 | 4.74 |
| C02057-C02055 | 8 | 154 | 0.013 | 2.6 | 729.87 | 0.52 | 648 | 646 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,051,822.47 | 5.42 |
| F15005-F15003 | 8 | 338 | 0.004 | 4.4 | 2,074.92 | 0.52 | 450 | 448.48 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 618,943.85 | 3.19 |
| E10009-E10007 | 18 | 336 | 0.003 | 24 | 4,999.04 | 0.52 | 418 | 417.06 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 4,243,610.12 | 3.65 |
| K13031-K14081 | 8 | 275 | 0.002 | 9.2 | 5,585.30 | 0.52 | 337.52 | 337 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 401,349.88 | 2.07 |
| F03187-F03185 | 8 | 277.1 | 0.003 | 7 | 3,146.18 | 0.52 | 532.43 | 531.52 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 529,015.77 | 2.73 |
| E11089-E11087 | 8 | 389 | 0.005 | 4.8 | 1,987.82 | 0.52 | 415 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 661,801.89 | 3.41 |
| J13005-J14125 | 8 | 280 | 0.002 | 9.5 | 6,052.11 | 0.52 | 337 | 336.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 390,026.21 | 2.01 |
| E05131-E05129 | 8 | 260 | 0.004 | 5 | 2,391.56 | 0.52 | 523 | 522 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 572,401.99 | 2.95 |
| E05139-E05137 | 8 | 260 | 0.004 | 5.3 | 2,391.56 | 0.52 | 518 | 517 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 572,401.99 | 2.95 |
| F08061-F08059 | 8 | 211 | 0.005 | 4.9 | 1,612.30 | 0.52 | 445 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 635,399.08 | 3.28 |
| C02103-C02101 | 8 | 165 | 0.02 | 2.5 | 1,053.36 | 0.52 | 666.98 | 663.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,301,315.96 | 6.71 |
| G07067-G07065 | 8 | 215 | 0.005 | 4.2 | 1,992.96 | 0.52 | 462 | 461 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 629,460.64 | 3.25 |
| F15141-F15135 | 8 | 192 | 0.005 | 5.4 | 1,987.82 | 0.52 | 458 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 666,096.56 | 3.44 |
| F06143-F06141 | 10 | 164 | 0.006 | 7.4 | 1,824.18 | 0.52 | 486 | 485 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,306,750.23 | 4.04 |
| F07049-F07045 | 8 | 268 | 0.004 | 6.5 | 3,024.23 | 0.52 | 466 | 465 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 563,793.95 | 2.91 |
| J11067-J12063 | 8 | 399 | 0.005 | 5.1 | 2,435.78 | 0.52 | 365 | 363 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 653,456.01 | 3.37 |
| L13157-L13155 | 8 | 200 | 0.01 | 100 | 811.34 | 0.52 | 328 | 326 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 922,970.47 | 4.76 |
| F14045-F14025 | 8 | 246 | 0.004 | 6.8 | 1,827.02 | 0.52 | 429 | 428 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 588,464.48 | 3.03 |
| F14007-G14037 | 8 | 330 | 0.004 | 4.9 | 2,582.20 | 0.52 | 438.24 | 437 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 565,772.30 | 2.92 |
| K13021-K13019 | 8 | 207 | 0.005 | 4.1 | 2,003.77 | 0.52 | 333 | 332 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 641,508.82 | 3.31 |
| D08073-D08069 | 8 | 248 | 0.006 | 6.2 | 1,513.97 | 0.52 | 486 | 484.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 717,806.85 | 3.70 |
| H05071-H06045 | 8 | 244 | 0.008 | 3.4 | 1,198.01 | 0.52 | 453 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 835,618.20 | 4.31 |
| F02003-F02001 | 8 | 115 | 0.005 | 4.6 | 1,995.78 | 0.52 | 533.37 | 532.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 649,794.92 | 3.35 |
| D16051-D16049 | 8 | 160 | 0.006 | 3.5 | 1,590.25 | 0.52 | 502 | 501 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 729,672.23 | 3.76 |
| G09005-G09003 | 8 | 91 | 0.005 | 4.5 | 1,647.34 | 0.52 | 412.5 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 684,151.23 | 3.53 |
| C02061-C02041 | 8 | 157 | 0.009 | 6.9 | 1,089.83 | 0.52 | 634.5 | 633.02 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 896,125.51 | 4.62 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|-------------------------------------|-------------------------------------|----------------|-----------------------------|
| F12063-F12061 | 8 | 196 | 0.026 | 1.4 | 270.12 | 0.52 | 398 | 393 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,474,160.51 | 7.60 |
| J06043-J06039 | 8 | 254 | 0.009 | 2.5 | 930.23 | 0.52 | 437.95 | 435.58 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 891,548.80 | 4.60 |
| C02090-C02082 | 8 | 138.3 | 0.023 | 3.3 | 364.05 | 0.52 | 655.32 | 652.13 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,393,218.17 | 7.19 |
| E13005-E13003 | 8 | 305 | 0.013 | 7.2 | 795.13 | 0.52 | 424 | 420 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,056,982.71 | 5.45 |
| G15005-G15003 | 8 | 186 | 0.011 | 2.2 | 540.24 | 0.52 | 437 | 435 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 957,075.80 | 4.94 |
| J11111-J11109 | 8 | 213 | 0.004 | 5.1 | 2,916.93 | 0.52 | 377 | 376.12 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 593,252.18 | 3.06 |
| F06009-F06007 | 8 | 258 | 0.016 | 4.7 | 608.06 | 0.52 | 476 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,149,232.63 | 5.93 |
| E08013-E08011 | 8 | 254 | 0.016 | 2.3 | 441.47 | 0.53 | 463 | 459 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,158,246.36 | 5.97 |
| J13007-J13005 | 8 | 304 | 0.003 | 7.1 | 3,100.57 | 0.53 | 338 | 337 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 529,359.87 | 2.73 |
| E02097-F02175 | 8 | 282 | 0.009 | 4.5 | 1,459.94 | 0.53 | 554.38 | 551.77 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 884,807.69 | 4.56 |
| F08153-F08151 | 8 | 270 | 0.004 | 6.1 | 3,040.30 | 0.53 | 451 | 450 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 561,701.94 | 2.90 |
| H04009-H04007 | 8 | 282 | 0.007 | 10.7 | 2,864.14 | 0.53 | 474 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 777,281.36 | 4.01 |
| F06027-F06025 | 8 | 238 | 0.008 | 3.6 | 1,740.34 | 0.53 | 472 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 846,085.64 | 4.36 |
| F03015-G03053 | 8 | 356 | 0.006 | 4.4 | 1,594.37 | 0.53 | 516 | 514 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 691,795.62 | 3.57 |
| G09143-G09141 | 6 | 248 | 0.012 | 8.5 | 679.11 | 0.53 | 423 | 420 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 471,359.90 | 3.65 |
| F02001-F03149 | 8 | 176 | 0.004 | 5.1 | 2,780.71 | 0.53 | 532.8 | 532.12 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 573,701.43 | 2.96 |
| C01050-C01048 | 8 | 300 | 0.015 | 2.1 | 728.23 | 0.53 | 659.34 | 654.93 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,117,181.81 | 5.76 |
| H11083-H11081 | 8 | 200 | 0.005 | 4.3 | 1,578.65 | 0.53 | 384 | 383 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 652,638.68 | 3.37 |
| G04021-G04011 | 8 | 298 | 0.007 | 5.8 | 2,913.54 | 0.53 | 483 | 481 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 756,126.87 | 3.90 |
| F10043-F10041 | 8 | 331 | 0.009 | 2.7 | 880.7 | 0.53 | 415 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 878,687.48 | 4.53 |
| F03031-F03029 | 8 | 352 | 0.006 | 4.8 | 1,594.37 | 0.53 | 524 | 522 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 695,715.17 | 3.59 |
| J11159-J11085 | 8 | 583 | 0.009 | 11.4 | 1,225.13 | 0.53 | 373 | 368 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 854,748.86 | 4.41 |
| G05149-G05147 | 8 | 116 | 0.009 | 2.8 | 994.92 | 0.53 | 491 | 490 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 856,956.57 | 4.42 |
| E11017-E11015 | 8 | 401 | 0.005 | 5.6 | 1,612.30 | 0.53 | 424 | 422 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 651,824.41 | 3.36 |
| G12059-G12057 | 8 | 323 | 0.003 | 5.3 | 2,612.49 | 0.53 | 384 | 383 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 513,554.51 | 2.65 |
| G12031-G12029 | 8 | 239 | 0.008 | 3.4 | 810.37 | 0.53 | 386 | 384 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 844,313.74 | 4.35 |
| D03127-D03125 | 8 | 357 | 0.008 | 3.7 | 1,310.74 | 0.53 | 587 | 584 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 846,085.64 | 4.36 |
| D03119-D03117 | 6 | 428 | 0.005 | 5.9 | 1,966.11 | 0.53 | 583 | 581 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 292,961.77 | 2.27 |
| F16063-F16061 | 8 | 89 | 0.011 | 3.2 | 795.13 | 0.53 | 492 | 491 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 978,346.74 | 5.05 |
| E02029-E02027 | 8 | 238 | 0.006 | 11.2 | 1,750.63 | 0.53 | 589.51 | 588.03 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 727,830.39 | 3.75 |
| G12029-G12027 | 8 | 264 | 0.004 | 5 | 2,118.48 | 0.53 | 384 | 383 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 568,049.06 | 2.93 |
| F05139-F05137 | 8 | 196 | 0.01 | 3.3 | 797.19 | 0.53 | 503 | 501 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 932,340.97 | 4.81 |
| E17005-E17003 | 8 | 294 | 0.003 | 7.1 | 3,594.63 | 0.53 | 525 | 524 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 538,287.31 | 2.78 |
| C01009-C01007 | 8 | 147 | 0.007 | 3.7 | 1,459.73 | 0.53 | 635 | 634 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 761,253.22 | 3.93 |
| C07061-C07059 | 8 | 411 | 0.005 | 4.2 | 2,086.69 | 0.53 | 523 | 521 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 643,845.84 | 3.32 |
| F07009-F07007 | 8 | 331 | 0.006 | 4.3 | 1,814.83 | 0.53 | 455 | 453 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 717,445.32 | 3.70 |
| E11009-E11007 | 8 | 320 | 0.003 | 6.5 | 2,686.57 | 0.53 | 426 | 425 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 515,956.18 | 2.66 |
| D11079-D11077 | 8 | 303 | 0.007 | 4.9 | 1,580.30 | 0.53 | 446 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 749,862.25 | 3.87 |
| F01009-F01021 | 8 | 172 | 0.006 | 5.1 | 1,598.54 | 0.53 | 538.3 | 537.31 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 700,230.75 | 3.61 |
| E17027-E17025 | 8 | 251 | 0.004 | 5.3 | 3,169.85 | 0.53 | 508 | 507 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 582,573.80 | 3.00 |
| E02084-E02082 | 8 | 340 | 0.004 | 5.9 | 2,391.56 | 0.53 | 564.93 | 563.51 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 595,600.14 | 3.07 |
| F05025-F05023 | 8 | 346 | 0.006 | 37.6 | 1,594.37 | 0.53 | 497 | 495 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 701,721.46 | 3.62 |
| G14083-G14077 | 8 | 169 | 0.004 | 5.1 | 2,160.98 | 0.53 | 424.36 | 423.74 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 559,036.67 | 2.88 |
| F12001-G12045 | 8 | 217 | 0.006 | 3.6 | 1,303.27 | 0.53 | 395.37 | 394 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 733,361.70 | 3.78 |
| F15113-F15111 | 8 | 179 | 0.006 | 5.9 | 1,987.82 | 0.53 | 479 | 478 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 689,860.52 | 3.56 |
| F15009-F15007 | 8 | 331 | 0.006 | 3.3 | 1,307.79 | 0.53 | 455 | 453 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 717,445.32 | 3.70 |
| E07141-E07139 | 8 | 247 | 0.004 | 6 | 3,021.56 | 0.53 | 469 | 468 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,272.05 | 3.03 |
| C04067-C04065 | 8 | 219 | 0.009 | 4.1 | 1,094.80 | 0.53 | 668 | 666 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 882,024.70 | 4.55 |
| F12043-F12041 | 8 | 310 | 0.006 | 3.6 | 1,533.80 | 0.54 | 392 | 390 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 741,347.72 | 3.82 |
| E13115-E13111 | 8 | 253 | 0.004 | 5.5 | 3,173.25 | 0.54 | 416 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 580,266.56 | 2.99 |
| H11107-H11105 | 8 | 580 | 0.005 | 16.1 | 2,443.53 | 0.54 | 371 | 368 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 663,795.70 | 3.42 |
| E18029-E18023 | 8 | 249 | 0.004 | 5.3 | 3,172.07 | 0.54 | 536 | 535 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 584,908.77 | 3.02 |
| F04089-F04087 | 8 | 200 | 0.006 | 3.6 | 1,594.37 | 0.54 | 526.57 | 525.39 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 708,947.07 | 3.66 |
| D03079-D03071 | 8 | 139 | 0.014 | 4.7 | 729.87 | 0.54 | 615 | 613 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,107,121.81 | 5.71 |
| J11055-H11105 | 8 | 559 | 0.005 | 16 | 2,205.23 | 0.54 | 371 | 368 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 676,149.19 | 3.49 |
| F15127-F15095 | 6 | 189 | 0.005 | 23.1 | 1,987.82 | 0.54 | 458 | 457 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 311,735.99 | 2.41 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| D07031-D07029 | 8 | 104 | 0.01 | 2.4 | 880.32 | 0.54 | 500 | 499 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 905,047.01 | 4.67 |
| F08041-F08039 | 8 | 139 | 0.014 | 2.8 | 537.43 | 0.54 | 442 | 440 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,107,121.81 | 5.71 |
| G12111-H12063 | 8 | 401 | 0.005 | 10.1 | 1,620.73 | 0.54 | 373 | 371 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 651,824.41 | 3.36 |
| H06075-H06057 | 8 | 331 | 0.006 | 5.5 | 1,557.83 | 0.54 | 443 | 441 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 717,445.32 | 3.70 |
| G12107-H12065 | 8 | 399 | 0.005 | 9.7 | 1,620.73 | 0.54 | 374 | 372 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 653,456.01 | 3.37 |
| E18113-E18111 | 8 | 293 | 0.007 | 3.5 | 1,590.25 | 0.54 | 542 | 540 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 762,551.18 | 3.93 |
| G13009-G13007 | 8 | 198 | 0.005 | 3.7 | 1,620.73 | 0.54 | 396 | 395 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,926.55 | 3.38 |
| E06141-F06095 | 8 | 120 | 0.009 | 3 | 1,216.12 | 0.54 | 498.08 | 497.02 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 867,461.32 | 4.47 |
| E02068-E02066 | 8 | 283.7 | 0.006 | 4.2 | 1,607.44 | 0.54 | 564.1 | 562.4 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 715,350.77 | 3.69 |
| C02059-C02055 | 8 | 136 | 0.015 | 2.6 | 729.87 | 0.54 | 648 | 646 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,119,266.10 | 5.77 |
| C02101-C02088 | 8 | 300 | 0.012 | 3 | 1,397.52 | 0.54 | 663.7 | 660 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 990,914.43 | 5.11 |
| F16059-F16057 | 8 | 235 | 0.004 | 5.8 | 3,168.48 | 0.54 | 490 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 602,079.55 | 3.11 |
| E16091-E16089 | 8 | 271 | 0.004 | 5.9 | 3,570.04 | 0.54 | 505 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 560,664.63 | 2.89 |
| F18023-F18011 | 8 | 144 | 0.007 | 17.1 | 1,590.25 | 0.54 | 533 | 532 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 769,142.06 | 3.97 |
| G13013-G13011 | 8 | 187 | 0.005 | 4.7 | 1,570.80 | 0.54 | 397 | 396 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 674,942.85 | 3.48 |
| E03177-E03169 | 8 | 82 | 0.006 | 4.3 | 2,536.21 | 0.54 | 557 | 556.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 720,718.85 | 3.72 |
| E07123-E07121 | 8 | 281 | 0.004 | 6.2 | 3,648.36 | 0.54 | 482 | 481 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 550,598.02 | 2.84 |
| C07083-C07081 | 8 | 393 | 0.018 | 5.2 | 441.38 | 0.55 | 528 | 521 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,231,801.00 | 6.35 |
| D14031-D14029 | 8 | 143 | 0.007 | 6 | 1,590.25 | 0.55 | 451 | 450 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 771,826.68 | 3.98 |
| E11147-E11145 | 8 | 143 | 0.007 | 4.1 | 1,590.25 | 0.55 | 416 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 771,826.68 | 3.98 |
| F05095-F05093 | 8 | 382 | 0.005 | 4.5 | 1,992.96 | 0.55 | 521 | 519 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 667,838.00 | 3.44 |
| D18047-D18045 | 12 | 300 | 0.004 | 5.7 | 10,097.34 | 0.55 | 526.96 | 525.9 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,617,546.61 | 3.13 |
| H11081-H11079 | 8 | 274 | 0.004 | 5.1 | 2,651.12 | 0.55 | 383 | 382 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 557,586.85 | 2.88 |
| E14117-E13091 | 8 | 237 | 0.004 | 6.5 | 3,171.71 | 0.55 | 432 | 431 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 599,533.75 | 3.09 |
| F13127-F13125 | 8 | 198 | 0.005 | 5.6 | 2,770.50 | 0.55 | 413 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,926.55 | 3.38 |
| F16009-F16007 | 8 | 191 | 0.005 | 4.6 | 2,385.38 | 0.55 | 486 | 485 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 667,838.00 | 3.44 |
| H13015-H13013 | 8 | 212 | 0.004 | 10.5 | 2,100.05 | 0.55 | 371.45 | 370.56 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 598,018.86 | 3.08 |
| F15049-F15047 | 8 | 300 | 0.003 | 5.3 | 2,871.63 | 0.55 | 447 | 446 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 532,877.25 | 2.75 |
| C02031-C02029 | 8 | 183 | 0.005 | 5.2 | 3,599.70 | 0.55 | 650 | 649 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 682,279.41 | 3.52 |
| F04043-F04041 | 8 | 322 | 0.003 | 6.4 | 3,962.31 | 0.55 | 507 | 506 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 514,351.33 | 2.65 |
| E06123-E06121 | 8 | 240 | 0.004 | 5.4 | 3,040.30 | 0.55 | 505 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 595,774.88 | 3.07 |
| C02122-C02120 | 8 | 300 | 0.014 | 2.8 | 1,073.52 | 0.55 | 645.64 | 641.32 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,105,723.23 | 5.70 |
| G05135-G05133 | 8 | 181 | 0.011 | 2.9 | 797.19 | 0.55 | 493 | 491 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 970,205.02 | 5.00 |
| E02105-E02103 | 8 | 95 | 0.011 | 2.8 | 1,108.63 | 0.55 | 559.9 | 558.84 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 964,839.05 | 4.98 |
| G10049-G10047 | 8 | 170 | 0.006 | 3.6 | 1,446.72 | 0.55 | 405 | 404 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 707,886.04 | 3.65 |
| K13017-K14047 | 8 | 235 | 0.004 | 5.9 | 2,869.86 | 0.55 | 331 | 330 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 602,079.55 | 3.11 |
| E11077-E11075 | 8 | 281 | 0.007 | 8.4 | 1,590.25 | 0.55 | 412 | 410 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 778,663.19 | 4.02 |
| F04055-F04053 | 8 | 320 | 0.003 | 6.3 | 3,963.30 | 0.55 | 509 | 508 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 515,956.18 | 2.66 |
| E04153-E04151 | 8 | 391 | 0.008 | 3.1 | 1,195.78 | 0.55 | 542 | 539 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 808,462.83 | 4.17 |
| F02005-F02003 | 8 | 125 | 0.005 | 4 | 2,009.39 | 0.55 | 534.05 | 533.37 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 680,749.38 | 3.51 |
| K14011-K14007 | 8 | 158 | 0.006 | 5.2 | 1,570.22 | 0.55 | 329 | 328 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 734,275.88 | 3.79 |
| F15023-F15021 | 8 | 311 | 0.006 | 3.2 | 1,306.98 | 0.55 | 463 | 461 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 740,154.89 | 3.82 |
| F03045-F03043 | 8 | 362 | 0.003 | 7.7 | 4,356.33 | 0.55 | 526 | 525 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 485,102.51 | 2.50 |
| G10017-G09003 | 8 | 79 | 0.006 | 4.4 | 1,647.24 | 0.55 | 412.5 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 734,275.88 | 3.79 |
| J11133-J11131 | 8 | 126 | 0.004 | 5.7 | 3,542.47 | 0.55 | 379.4 | 378.92 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 569,669.74 | 2.94 |
| H11047-H11045 | 8 | 371 | 0.005 | 4.1 | 1,670.47 | 0.55 | 385 | 383 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 677,666.24 | 3.50 |
| C07063-C07061 | 8 | 161 | 0.006 | 3.9 | 1,648.63 | 0.55 | 524 | 523 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 727,402.63 | 3.75 |
| J12063-J12061 | 8 | 239 | 0.004 | 6.6 | 3,877.47 | 0.55 | 363 | 362 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 597,019.97 | 3.08 |
| C01042-C01019 | 8 | 153.6 | 0.011 | 4.8 | 1,384.04 | 0.55 | 641.42 | 639.68 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 981,074.69 | 5.06 |
| E13089-E13085 | 8 | 256 | 0.002 | 14.6 | 8,693.34 | 0.55 | 430.5 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 407,899.17 | 2.10 |
| E11087-E11081 | 10 | 248 | 0.004 | 5.1 | 3,957.76 | 0.55 | 413 | 412 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,062,646.14 | 3.29 |
| F16069-F16067 | 8 | 130 | 0.004 | 6.1 | 3,571.85 | 0.55 | 484.5 | 484 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 572,401.99 | 2.95 |
| F08145-F08143 | 8 | 270 | 0.004 | 6.3 | 3,648.36 | 0.55 | 453 | 452 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 561,701.94 | 2.90 |
| G08085-G08083 | 8 | 270 | 0.004 | 6.8 | 3,648.36 | 0.55 | 447 | 446 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 561,701.94 | 2.90 |
| G04049-G04047 | 8 | 300 | 0.007 | 5.4 | 3,570.22 | 0.55 | 488 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 753,602.23 | 3.89 |
| C02118-C02110 | 8 | 268.2 | 0.004 | 7.6 | 6,587.86 | 0.55 | 638.63 | 637.59 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 572,825.83 | 2.95 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| E05077-E05075 | 8 | 250 | 0.004 | 6.3 | 3,276.85 | 0.55 | 528 | 527 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 583,737.78 | 3.01 |
| E11101-E11099 | 8 | 137 | 0.007 | 3.8 | 1,590.25 | 0.55 | 416 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 788,546.89 | 4.07 |
| D07043-D07041 | 8 | 274 | 0.011 | 3.1 | 771.39 | 0.55 | 501 | 498 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 965,768.76 | 4.98 |
| J07163-J07161 | 8 | 121 | 0.006 | 4 | 1,668.05 | 0.55 | 417.41 | 416.66 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 726,650.80 | 3.75 |
| G04063-G03011 | 8 | 213 | 0.005 | 6.2 | 4,750.94 | 0.55 | 494 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 632,408.95 | 3.26 |
| H06017-H06015 | 8 | 349 | 0.006 | 3.9 | 1,939.92 | 0.55 | 445 | 443 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 698,698.95 | 3.60 |
| D07049-D07047 | 8 | 141 | 0.007 | 3.2 | 1,428.36 | 0.55 | 506 | 505 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 777,281.36 | 4.01 |
| E11005-E11003 | 8 | 291 | 0.003 | 6 | 2,687.17 | 0.55 | 421 | 420 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 541,054.87 | 2.79 |
| H05037-H05035 | 8 | 322 | 0.006 | 8.2 | 4,004.69 | 0.56 | 466 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 727,402.63 | 3.75 |
| G12101-G12099 | 8 | 331 | 0.009 | 3.7 | 1,044.79 | 0.56 | 375 | 372 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 878,687.48 | 4.53 |
| F13001-F12001 | 8 | 213 | 0.009 | 2.9 | 1,044.72 | 0.56 | 397.3 | 395.37 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 878,570.59 | 4.53 |
| F03190-F03189 | 8 | 300 | 0.011 | 2.9 | 797.19 | 0.56 | 540.24 | 536.79 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 988,130.05 | 5.10 |
| F05133-F05131 | 8 | 260 | 0.004 | 6.5 | 3,160.08 | 0.56 | 501 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 572,401.99 | 2.95 |
| G10081-G10079 | 12 | 692 | 0.003 | 5 | 4,276.90 | 0.56 | 391 | 389 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,462,939.78 | 2.83 |
| E13053-E13051 | 8 | 393 | 0.015 | 2 | 795.13 | 0.56 | 427 | 421 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,140,426.12 | 5.88 |
| G04003-G04001 | 8 | 296 | 0.007 | 7.4 | 3,572.41 | 0.56 | 480 | 478 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 758,677.05 | 3.91 |
| G07071-G07069 | 8 | 362 | 0.006 | 4.2 | 1,992.96 | 0.56 | 464 | 462 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 686,038.55 | 3.54 |
| F15013-G15021 | 8 | 338 | 0.002 | 7.8 | 5,549.60 | 0.56 | 452.78 | 452 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 443,380.67 | 2.29 |
| H06065-H07025 | 12 | 294 | 0.001 | 12 | 23,306.55 | 0.56 | 437 | 436.77 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 761,122.83 | 1.47 |
| G04051-G04049 | 8 | 300 | 0.01 | 4.3 | 2,248.34 | 0.56 | 491 | 488 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 922,970.47 | 4.76 |
| E14085-E14083 | 8 | 65 | 0.015 | 2.7 | 795.13 | 0.56 | 439 | 438 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,144,803.98 | 5.90 |
| H12077-J12047 | 8 | 360 | 0.003 | 9.1 | 6,079.84 | 0.56 | 364 | 363 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 486,448.15 | 2.51 |
| F13019-F13017 | 8 | 299 | 0.003 | 5.4 | 3,007.64 | 0.56 | 403 | 402 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 533,767.61 | 2.75 |
| G05043-G05041 | 8 | 346 | 0.006 | 6.1 | 4,802.63 | 0.56 | 475 | 473 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 701,721.46 | 3.62 |
| H05057-H05055 | 8 | 350 | 0.006 | 4 | 2,066.40 | 0.56 | 452.5 | 450.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 697,700.10 | 3.60 |
| C02120-C02118 | 8 | 300 | 0.009 | 5.4 | 1,794.18 | 0.56 | 641.32 | 638.63 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 873,983.67 | 4.51 |
| E07133-E07131 | 8 | 263 | 0.004 | 7.2 | 3,648.36 | 0.56 | 479 | 478 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 569,127.97 | 2.94 |
| B01012-B01010 | 8 | 176 | 0.035 | 2.7 | 360.1 | 0.56 | 676.57 | 670.41 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,721,834.99 | 8.88 |
| G05033-G05007 | 8 | 294 | 0.007 | 11.1 | 3,578.43 | 0.56 | 474 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 761,253.22 | 3.93 |
| F05123-F05121 | 8 | 170 | 0.006 | 4.5 | 1,846.26 | 0.56 | 494 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 707,886.04 | 3.65 |
| D13053-D13051 | 8 | 110 | 0.009 | 11.8 | 1,649.58 | 0.56 | 424 | 423 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 880,017.82 | 4.54 |
| H13009-H13007 | 8 | 196 | 0.005 | 11.8 | 2,096.75 | 0.56 | 370.52 | 369.63 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 621,949.00 | 3.21 |
| G15015-G15013 | 8 | 312 | 0.006 | 5.4 | 2,280.04 | 0.56 | 447 | 445 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 738,967.79 | 3.81 |
| C03039-C03037 | 8 | 212 | 0.024 | 2.2 | 364.93 | 0.56 | 695 | 690 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,417,440.64 | 7.31 |
| G14033-G14031 | 8 | 248 | 0.008 | 5.5 | 1,046.56 | 0.56 | 434 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 828,851.95 | 4.27 |
| H11023-H11021 | 8 | 221 | 0.005 | 4.6 | 2,149.74 | 0.56 | 371 | 370 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 620,857.13 | 3.20 |
| C06101-C06099 | 8 | 155 | 0.019 | 2.4 | 441.47 | 0.56 | 649 | 646 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,284,051.92 | 6.62 |
| F04001-G04097 | 8 | 355 | 0.006 | 4.3 | 1,992.96 | 0.56 | 509 | 507 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 692,769.29 | 3.57 |
| J07095-J07093 | 8 | 161 | 0.019 | 1.9 | 522.33 | 0.56 | 419.43 | 416.39 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,268,269.83 | 6.54 |
| D06083-D06081 | 8 | 250 | 0.004 | 5.4 | 3,085.48 | 0.56 | 552 | 551 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 583,737.78 | 3.01 |
| G07035-G07033 | 8 | 180 | 0.006 | 5.4 | 2,432.24 | 0.56 | 451 | 450 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 687,941.57 | 3.55 |
| D03053-D03051 | 8 | 303 | 0.003 | 6.5 | 4,374.88 | 0.56 | 623 | 622 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 530,232.68 | 2.73 |
| F08077-F08075 | 8 | 249 | 0.002 | 8.1 | 5,365.86 | 0.56 | 437 | 436.44 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 437,705.64 | 2.26 |
| F03061-F04013 | 8 | 308 | 0.003 | 6.4 | 3,953.04 | 0.56 | 523 | 522 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 525,911.24 | 2.71 |
| G04137-G04135 | 8 | 325 | 0.003 | 6.6 | 4,349.78 | 0.56 | 501 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 511,971.90 | 2.64 |
| G07053-G07051 | 8 | 303 | 0.003 | 9.2 | 3,945.19 | 0.56 | 455 | 454 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 530,232.68 | 2.73 |
| E12099-E12097 | 8 | 176 | 0.006 | 5 | 2,385.38 | 0.56 | 408 | 407 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 695,715.17 | 3.59 |
| F14039-F14037 | 8 | 64 | 0.016 | 2.5 | 540.24 | 0.56 | 442 | 441 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,153,713.09 | 5.95 |
| H12081-J12047 | 8 | 350 | 0.003 | 9.1 | 5,852.31 | 0.56 | 364 | 363 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 493,348.47 | 2.54 |
| C02110-C02045 | 8 | 198.9 | 0.004 | 7.6 | 6,927.59 | 0.56 | 637.59 | 636.9 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 598,674.04 | 3.09 |
| G09001-G10015 | 10 | 202 | 0.002 | 6.6 | 6,502.91 | 0.56 | 411 | 410.5 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 832,575.88 | 2.58 |
| F13027-F13017 | 8 | 132 | 0.008 | 3.9 | 1,080.49 | 0.56 | 403 | 402 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 803,342.68 | 4.14 |
| C02017-C02015 | 8 | 294 | 0.007 | 9.7 | 1,824.67 | 0.56 | 636 | 634 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 761,253.22 | 3.93 |
| G07013-G07011 | 8 | 257 | 0.004 | 6.4 | 3,648.36 | 0.56 | 456 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 575,733.16 | 2.97 |
| J12081-J12079 | 12 | 276 | 0.002 | 6.2 | 8,666.84 | 0.57 | 360.44 | 359.76 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,350,717.15 | 2.61 |
| K14081-K14079 | 8 | 287 | 0.002 | 10.5 | 8,410.47 | 0.57 | 337 | 336.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 385,240.43 | 1.99 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| H11165-H11113 | 8 | 588 | 0.007 | 13.9 | 1,960.20 | 0.57 | 373 | 369 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 761,253.22 | 3.93 |
| D13009-D13007 | 8 | 182 | 0.003 | 6.8 | 4,910.98 | 0.57 | 425.62 | 425 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 538,701.22 | 2.78 |
| G05129-G05127 | 8 | 249 | 0.004 | 5.9 | 3,163.77 | 0.57 | 490 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 584,908.77 | 3.02 |
| L14007-L14005 | 8 | 300 | 0.003 | 6.9 | 3,663.85 | 0.57 | 323 | 322 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 532,877.25 | 2.75 |
| E04135-E04133 | 8 | 346 | 0.006 | 4.5 | 1,992.96 | 0.57 | 539 | 537 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 701,721.46 | 3.62 |
| F04029-F04027 | 12 | 352 | 0.009 | 2.4 | 1,594.37 | 0.57 | 518 | 515 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,512,197.58 | 4.86 |
| B01050-B01031 | 8 | 0 | 0.025 | 2.1 | 719.85 | 0.57 | 682.12 | 675.45 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,450,670.71 | 7.48 |
| D16085-D16083 | 8 | 150 | 0.007 | 8 | 1,987.82 | 0.57 | 482 | 481 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 753,602.23 | 3.89 |
| H11149-H11147 | 8 | 211 | 0.005 | 5 | 2,149.74 | 0.57 | 384 | 383 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 635,399.08 | 3.28 |
| G04125-G04119 | 8 | 164 | 0.012 | 4.7 | 797.19 | 0.57 | 499 | 497 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,019,250.38 | 5.26 |
| E11157-E11155 | 8 | 94 | 0.011 | 4 | 1,216.39 | 0.57 | 406 | 405 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 951,971.35 | 4.91 |
| G10019-G10017 | 8 | 69 | 0.007 | 3.4 | 1,538.17 | 0.57 | 413 | 412.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 785,684.64 | 4.05 |
| F02007-F02005 | 8 | 117 | 0.006 | 4 | 2,022.51 | 0.57 | 534.73 | 534.05 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 703,638.08 | 3.63 |
| F14033-F14031 | 8 | 267 | 0.008 | 3.8 | 1,046.02 | 0.57 | 437.84 | 435.61 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 843,499.07 | 4.35 |
| E03097-E03095 | 8 | 149 | 0.007 | 4.2 | 1,966.11 | 0.57 | 568 | 567 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 756,126.87 | 3.90 |
| E12069-E12067 | 8 | 225 | 0.002 | 15.4 | 7,920.72 | 0.57 | 414 | 413.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 435,092.45 | 2.24 |
| H13079-H13077 | 10 | 17 | 0.001 | 9.7 | 11,241.00 | 0.57 | 383.02 | 383 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 573,990.95 | 1.78 |
| F05137-F05131 | 8 | 202 | 0.005 | 6 | 2,382.18 | 0.57 | 501 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 649,399.76 | 3.35 |
| F03069-F04017 | 8 | 294 | 0.003 | 6.3 | 3,951.67 | 0.57 | 518 | 517 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 538,287.31 | 2.78 |
| G05023-G05021 | 8 | 303 | 0.01 | 4 | 2,475.86 | 0.57 | 482 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 918,389.95 | 4.74 |
| D07153-D07151 | 8 | 221 | 0.005 | 6 | 2,875.62 | 0.57 | 475 | 474 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 620,857.13 | 3.20 |
| C01038-C01036 | 8 | 300 | 0.006 | 4.6 | 2,880.75 | 0.57 | 668.63 | 666.74 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 731,367.17 | 3.77 |
| G09009-G09001 | 8 | 215 | 0.005 | 6.4 | 2,787.74 | 0.57 | 412 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 629,460.64 | 3.25 |
| E03133-E03101 | 8 | 147 | 0.007 | 11.3 | 1,966.11 | 0.57 | 567 | 566 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 761,253.22 | 3.93 |
| H13075-H13073 | 10 | 337 | 0.012 | 5.1 | 810.37 | 0.57 | 380 | 376 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,823,180.02 | 5.64 |
| E13119-E12137 | 8 | 206 | 0.005 | 5.7 | 3,173.51 | 0.57 | 412 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 643,064.00 | 3.32 |
| E13037-D13061 | 8 | 198 | 0.005 | 10.1 | 2,812.19 | 0.57 | 427 | 426 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,926.55 | 3.38 |
| G09135-G09131 | 8 | 402 | 0.005 | 6.2 | 2,982.56 | 0.57 | 423 | 421 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 651,013.18 | 3.36 |
| F15087-F15073 | 8 | 124 | 0.008 | 5.7 | 1,590.25 | 0.58 | 465 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 828,851.95 | 4.27 |
| F05141-F05129 | 8 | 188 | 0.002 | 10.6 | 9,333.72 | 0.58 | 499.35 | 499 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 398,238.19 | 2.05 |
| G05137-G05093 | 8 | 343 | 0.006 | 17.9 | 2,100.37 | 0.58 | 483 | 481 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 704,783.53 | 3.63 |
| E07153-E07151 | 8 | 275 | 0.007 | 5.4 | 1,824.18 | 0.58 | 473 | 471 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 787,111.86 | 4.06 |
| B01016-B01014 | 8 | 164 | 0.033 | 1.5 | 364.01 | 0.58 | 682.85 | 677.46 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,673,247.81 | 8.63 |
| E11001-E10051 | 8 | 322 | 0.006 | 20.2 | 1,600.89 | 0.58 | 418 | 416 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 727,402.63 | 3.75 |
| G09003-G09001 | 8 | 241 | 0.004 | 6.6 | 3,290.87 | 0.58 | 412 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 594,537.55 | 3.07 |
| C02071-D02041 | 8 | 343 | 0.012 | 3.1 | 1,093.66 | 0.58 | 628 | 624 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 996,714.42 | 5.14 |
| C01046-C01044 | 8 | 300 | 0.013 | 2.7 | 1,083.99 | 0.58 | 647.95 | 643.94 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,063,546.60 | 5.49 |
| F09121-F09119 | 8 | 119 | 0.008 | 3.7 | 1,074.87 | 0.58 | 435 | 434 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 846,085.64 | 4.36 |
| E05085-E05083 | 8 | 252 | 0.004 | 6.7 | 3,932.23 | 0.58 | 531 | 530 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 581,416.75 | 3.00 |
| J14125-J14123 | 8 | 278 | 0.002 | 11.7 | 8,847.31 | 0.58 | 336.5 | 336 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 391,426.67 | 2.02 |
| F06037-F06031 | 8 | 282 | 0.011 | 3 | 1,216.12 | 0.58 | 480 | 477 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 951,971.35 | 4.91 |
| G04117-G04115 | 8 | 157 | 0.013 | 4 | 797.19 | 0.58 | 499 | 497 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,041,724.74 | 5.37 |
| E09015-E09013 | 10 | 241 | 0.004 | 7.1 | 3,191.81 | 0.58 | 436 | 435 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,077,968.29 | 3.34 |
| C07067-C07065 | 8 | 242 | 0.012 | 2.7 | 771.27 | 0.58 | 528 | 525 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,027,639.41 | 5.30 |
| C02105-C02103 | 8 | 165 | 0.027 | 2.1 | 1,054.46 | 0.58 | 671.45 | 666.98 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,514,563.63 | 7.81 |
| E14141-E14139 | 10 | 280 | 0.004 | 5.5 | 4,952.25 | 0.58 | 446 | 445 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,000,081.73 | 3.09 |
| E05047-E05045 | 8 | 427 | 0.007 | 4.1 | 1,966.11 | 0.58 | 541 | 538 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 773,632.13 | 3.99 |
| H12073-H12071 | 8 | 350 | 0.003 | 8.7 | 6,887.05 | 0.58 | 365 | 364 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 493,348.47 | 2.54 |
| E07115-E07113 | 8 | 332 | 0.006 | 5.2 | 2,432.24 | 0.58 | 488 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 716,364.02 | 3.69 |
| F15043-F15041 | 8 | 60 | 0.017 | 2.1 | 540.24 | 0.58 | 443 | 441.99 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,197,492.68 | 6.18 |
| E15095-E14033 | 8 | 241 | 0.008 | 5.3 | 1,590.25 | 0.58 | 455 | 453 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 840,803.06 | 4.34 |
| G04139-G04137 | 8 | 325 | 0.006 | 5.2 | 1,992.96 | 0.58 | 503 | 501 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 724,037.61 | 3.73 |
| E11097-E11095 | 8 | 188 | 0.003 | 8.3 | 6,736.01 | 0.58 | 414 | 413.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 475,985.68 | 2.45 |
| E08097-E08095 | 8 | 246 | 0.004 | 6.8 | 4,207.72 | 0.58 | 464 | 463 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 588,464.48 | 3.03 |
| C01040-C01038 | 8 | 140 | 0.006 | 4.6 | 2,890.73 | 0.58 | 669.51 | 668.63 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 731,754.03 | 3.77 |
| D16037-D16035 | 8 | 140 | 0.007 | 3.7 | 1,987.82 | 0.58 | 501 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 780,052.42 | 4.02 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| D01047-D01045 | 8 | 249 | 0.008 | 3.9 | 1,643.28 | 0.58 | 613 | 611 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 827,185.92 | 4.27 |
| H05069-H05067 | 8 | 168 | 0.012 | 3 | 915.96 | 0.58 | 451 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,007,043.35 | 5.19 |
| H11101-H11099 | 8 | 285 | 0.004 | 6.7 | 3,224.60 | 0.58 | 380 | 379 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 546,720.52 | 2.82 |
| F14011-F14009 | 8 | 304 | 0.005 | 4.5 | 2,339.38 | 0.58 | 440 | 438.44 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 661,170.27 | 3.41 |
| J11141-J11139 | 8 | 209 | 0.005 | 5.5 | 3,766.09 | 0.58 | 371 | 370 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 638,432.03 | 3.29 |
| E03047-E03045 | 8 | 292 | 0.01 | 7.3 | 1,310.74 | 0.58 | 566 | 563 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 935,528.47 | 4.82 |
| E02078-E02077 | 8 | 76 | 0.004 | 7 | 5,388.77 | 0.59 | 561.23 | 560.96 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 546,542.99 | 2.82 |
| F07045-F07041 | 8 | 328 | 0.003 | 7.8 | 5,975.08 | 0.59 | 465 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 509,625.19 | 2.63 |
| H11013-H11011 | 8 | 153 | 0.013 | 4 | 980.1 | 0.59 | 367 | 365 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,055,254.20 | 5.44 |
| E13041-D13059 | 8 | 198 | 0.005 | 10.3 | 3,239.06 | 0.59 | 425 | 424 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,926.55 | 3.38 |
| E12077-E12075 | 8 | 175 | 0.006 | 5.3 | 2,782.94 | 0.59 | 416 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 697,700.10 | 3.60 |
| C01001-C02069 | 8 | 266 | 0.008 | 4.1 | 1,824.67 | 0.59 | 636 | 634 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 800,316.90 | 4.13 |
| E06133-E06127 | 8 | 131 | 0.008 | 5.5 | 1,824.18 | 0.59 | 497 | 496 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 806,403.05 | 4.16 |
| F06031-F06029 | 8 | 203 | 0.01 | 3.3 | 1,782.15 | 0.59 | 477 | 475 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 916,125.11 | 4.72 |
| G08083-G08081 | 8 | 243 | 0.003 | 26.8 | 6,019.76 | 0.59 | 446 | 445.29 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 498,900.39 | 2.57 |
| F14143-F13121 | 8 | 263 | 0.008 | 4.1 | 1,981.53 | 0.59 | 430 | 428 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 804,868.50 | 4.15 |
| G09011-G09009 | 8 | 274 | 0.007 | 4.2 | 1,756.17 | 0.59 | 414 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 788,546.89 | 4.07 |
| J11107-J11105 | 8 | 208 | 0.004 | 6.5 | 4,506.35 | 0.59 | 375.8 | 375 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 572,401.99 | 2.95 |
| F06099-F06097 | 8 | 369 | 0.003 | 8.2 | 6,622.53 | 0.59 | 489 | 488 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 480,479.24 | 2.48 |
| B02007-B02003 | 8 | 295 | 0.019 | 2.2 | 1,063.90 | 0.59 | 688.38 | 682.61 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,286,463.56 | 6.63 |
| D18053-D18051 | 12 | 295 | 0.003 | 5.7 | 10,144.55 | 0.59 | 532.73 | 531.7 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,607,948.38 | 3.11 |
| F11035-F11033 | 8 | 323 | 0.006 | 7.9 | 2,458.94 | 0.59 | 405 | 403 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 726,275.75 | 3.75 |
| D07053-D07051 | 8 | 276 | 0.011 | 2.4 | 991.27 | 0.59 | 514 | 511 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 962,263.24 | 4.96 |
| E11117-E11115 | 8 | 234 | 0.009 | 4.1 | 1,590.25 | 0.59 | 421 | 419 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 853,286.50 | 4.40 |
| F10081-F10079 | 8 | 318 | 0.003 | 20.6 | 4,173.25 | 0.59 | 410 | 409 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 517,576.14 | 2.67 |
| H06025-H06023 | 8 | 327 | 0.007 | 4.3 | 1,910.39 | 0.59 | 446.6 | 444.4 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 757,051.23 | 3.90 |
| F14145-F14143 | 8 | 263 | 0.011 | 3.1 | 1,192.69 | 0.59 | 433 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 985,758.57 | 5.08 |
| D02065-D02063 | 8 | 343 | 0.003 | 7.6 | 5,835.23 | 0.59 | 613 | 612 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 498,357.21 | 2.57 |
| D07023-D07021 | 8 | 298 | 0.007 | 3.7 | 1,866.36 | 0.59 | 514 | 512 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 756,126.87 | 3.90 |
| E14015-E14013 | 15 | 301 | 0.007 | 3 | 3,174.52 | 0.59 | 451 | 449 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,021,822.96 | 5.19 |
| E13051-E13049 | 8 | 49 | 0.02 | 2.4 | 788.68 | 0.59 | 421 | 420 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,318,529.25 | 6.80 |
| F15031-F15029 | 8 | 295 | 0.01 | 3.1 | 1,042.82 | 0.59 | 457 | 454 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 930,759.39 | 4.80 |
| F13099-F13097 | 8 | 299 | 0.01 | 4.1 | 1,552.70 | 0.59 | 417 | 414 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 924,512.61 | 4.77 |
| F09051-F09049 | 8 | 337 | 0.009 | 42.5 | 1,099.17 | 0.59 | 432 | 429 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 870,830.20 | 4.49 |
| G15003-G15001 | 8 | 198 | 0.01 | 2.8 | 1,058.62 | 0.59 | 435 | 433 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 927,620.23 | 4.78 |
| F08037-F08017 | 8 | 281 | 0.003 | 14.1 | 4,547.85 | 0.59 | 437 | 436.2 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 492,469.84 | 2.54 |
| J11113-J11111 | 8 | 132 | 0.008 | 4.4 | 1,991.49 | 0.59 | 378 | 377 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 803,342.68 | 4.14 |
| D03095-D03093 | 8 | 221 | 0.018 | 2 | 729.87 | 0.59 | 608 | 604 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,241,714.25 | 6.40 |
| F08025-F08023 | 8 | 239 | 0.008 | 4.7 | 1,190.51 | 0.59 | 444 | 442 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 844,313.74 | 4.35 |
| D03077-D03075 | 8 | 301 | 0.003 | 7 | 5,102.20 | 0.59 | 624 | 623 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 531,991.34 | 2.74 |
| E07095-E07093 | 8 | 200 | 0.005 | 6.3 | 2,875.62 | 0.59 | 474 | 473 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 652,638.68 | 3.37 |
| E14127-E14125 | 8 | 86 | 0.012 | 4.2 | 1,192.69 | 0.59 | 433 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 995,264.66 | 5.13 |
| E05137-F05081 | 8 | 266 | 0.004 | 6.7 | 3,947.97 | 0.59 | 517 | 516 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 565,909.51 | 2.92 |
| F07075-F07073 | 8 | 255 | 0.004 | 6.8 | 4,221.89 | 0.59 | 470 | 469 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 577,986.53 | 2.98 |
| G13117-G13077 | 8 | 375 | 0.005 | 21.3 | 1,890.85 | 0.59 | 382 | 380 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 674,042.33 | 3.48 |
| E13047-E13045 | 8 | 300 | 0.003 | 7.4 | 5,926.46 | 0.59 | 419 | 418 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 532,877.25 | 2.75 |
| F13129-F13125 | 8 | 114 | 0.009 | 4.9 | 1,590.25 | 0.59 | 413 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 864,441.05 | 4.46 |
| F05155-F05143 | 8 | 216 | 0.01 | 4.9 | 1,191.19 | 0.59 | 503 | 500.77 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 937,806.77 | 4.84 |
| D04047-D04045 | 8 | 267 | 0.007 | 5.8 | 1,966.11 | 0.59 | 565 | 563 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 798,816.77 | 4.12 |
| E05133-F05083 | 8 | 267 | 0.004 | 7 | 3,956.23 | 0.59 | 519 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 564,848.76 | 2.91 |
| G12033-G12063 | 10 | 258 | 0.004 | 4.6 | 3,654.42 | 0.59 | 386 | 385 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,041,848.70 | 3.22 |
| F02086-F02084 | 8 | 162 | 0.004 | 6.5 | 3,999.73 | 0.6 | 541.23 | 540.4 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 564,352.39 | 2.91 |
| E11067-E11065 | 10 | 347 | 0.004 | 38.1 | 5,926.52 | 0.6 | 408 | 406.72 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,016,376.83 | 3.15 |
| C02097-C02088 | 8 | 300 | 0.029 | 2.2 | 364.93 | 0.6 | 668.79 | 660 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,577,244.41 | 8.13 |
| E03013-E03011 | 8 | 85 | 0.005 | 5 | 3,254.08 | 0.6 | 550.46 | 550 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 678,980.44 | 3.50 |
| J12075-J12029 | 21 | 152 | 0.002 | 57.1 | 20,325.08 | 0.6 | 357.68 | 357.4 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 5,194,254.00 | 3.35 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| E17029-E17027 | 8 | 263 | 0.008 | 4.5 | 1,987.82 | 0.6 | 510 | 508 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 804,868.50 | 4.15 |
| E11015-E10055 | 8 | 389 | 0.003 | 16.7 | 5,369.45 | 0.6 | 422 | 421 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 467,964.61 | 2.41 |
| F16073-F16071 | 8 | 112 | 0.009 | 3.6 | 1,590.25 | 0.6 | 486 | 485 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 872,125.12 | 4.50 |
| G12027-G12025 | 8 | 274 | 0.004 | 16.6 | 3,394.07 | 0.6 | 383 | 382 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 557,586.85 | 2.88 |
| F14101-F14099 | 8 | 219 | 0.018 | 2.7 | 795.13 | 0.6 | 449 | 445 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,247,371.29 | 6.43 |
| F16067-F16065 | 8 | 131 | 0.004 | 7 | 4,755.27 | 0.6 | 484 | 483.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 570,213.06 | 2.94 |
| C01052-C01050 | 8 | 300 | 0.019 | 1.9 | 729.87 | 0.6 | 665.02 | 659.34 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,267,881.68 | 6.54 |
| G04047-G04045 | 8 | 298 | 0.007 | 9.1 | 4,866.90 | 0.6 | 486 | 484 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 756,126.87 | 3.90 |
| E10011-E10009 | 15 | 127 | 0.004 | 3.1 | 5,006.14 | 0.6 | 418.5 | 418 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,095,810.30 | 3.99 |
| F07097-F07095 | 8 | 116 | 0.002 | 12.6 | 13,010.21 | 0.6 | 480 | 479.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 383,242.63 | 1.98 |
| E03009-E03007 | 8 | 389 | 0.008 | 5.9 | 1,966.11 | 0.6 | 551 | 548 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 810,538.47 | 4.18 |
| J11153-J11151 | 8 | 101 | 0.006 | 6.3 | 2,776.79 | 0.6 | 373.43 | 372.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 728,949.42 | 3.76 |
| E03261-E03259 | 8 | 292 | 0.01 | 3.1 | 1,195.78 | 0.6 | 546 | 543 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 935,528.47 | 4.82 |
| F14123-F14117 | 6 | 123 | 0.008 | 5.7 | 1,590.25 | 0.6 | 445 | 444 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 386,425.06 | 2.99 |
| G05121-G05119 | 8 | 247 | 0.008 | 3.9 | 1,594.37 | 0.6 | 496 | 494 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 830,528.10 | 4.28 |
| G10013-F10039 | 10 | 348 | 0.003 | 6.7 | 7,672.62 | 0.6 | 410 | 409 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 897,067.01 | 2.78 |
| E14119-E14117 | 8 | 237 | 0.009 | 4.2 | 1,588.73 | 0.6 | 434.19 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 887,228.92 | 4.58 |
| E13121-E13119 | 8 | 219 | 0.009 | 4.1 | 1,590.25 | 0.6 | 414 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 882,024.70 | 4.55 |
| F12003-G12075 | 8 | 359 | 0.006 | 4.9 | 1,890.85 | 0.6 | 390 | 388 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 688,899.04 | 3.55 |
| D03109-E03053 | 6 | 292 | 0.003 | 9.4 | 4,587.60 | 0.6 | 574 | 573 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 250,799.36 | 1.94 |
| D03123-E03069 | 6 | 292 | 0.003 | 9.4 | 4,587.60 | 0.6 | 571 | 570 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 250,799.36 | 1.94 |
| C04007-C05015 | 8 | 292 | 0.003 | 7 | 5,109.07 | 0.6 | 648 | 647 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 540,127.61 | 2.79 |
| F05107-F05105 | 8 | 30 | 0.033 | 24.6 | 398.59 | 0.6 | 507 | 506 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,685,105.82 | 8.69 |
| F06077-F06075 | 8 | 173 | 0.001 | 20.6 | 26,096.17 | 0.6 | 490.13 | 489.97 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 280,688.58 | 1.45 |
| H11127-H11125 | 8 | 295 | 0.003 | 7.1 | 3,762.04 | 0.6 | 377 | 376 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 537,374.18 | 2.77 |
| E03169-E03143 | 8 | 60 | 0.008 | 4.6 | 2,527.86 | 0.6 | 556.5 | 556 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 842,552.91 | 4.35 |
| H11089-H11087 | 8 | 297 | 0.003 | 6.6 | 3,811.93 | 0.6 | 382 | 381 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 535,561.79 | 2.76 |
| J11161-J11077 | 8 | 574 | 0.01 | 15.1 | 1,470.15 | 0.6 | 371 | 365 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 943,642.49 | 4.87 |
| E05093-E05091 | 8 | 262 | 0.004 | 7.1 | 4,587.60 | 0.61 | 534 | 533 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 570,213.06 | 2.94 |
| E14013-E14011 | 15 | 301 | 0.003 | 11.2 | 7,755.87 | 0.61 | 449 | 448 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,843,858.29 | 3.67 |
| H11137-H11135 | 8 | 318 | 0.006 | 5.8 | 1,956.82 | 0.61 | 383 | 381 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 731,963.20 | 3.78 |
| G14037-G14035 | 8 | 327 | 0.006 | 6.4 | 2,809.65 | 0.61 | 437 | 435 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 721,820.03 | 3.72 |
| E07035-E07007 | 8 | 163 | 0.009 | 9.7 | 1,437.81 | 0.61 | 477.5 | 476 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 885,400.24 | 4.57 |
| F07003-F07001 | 8 | 179 | 0.006 | 11 | 3,532.04 | 0.61 | 452 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 689,860.52 | 3.56 |
| F09131-G09053 | 8 | 512 | 0.004 | 12.6 | 3,224.60 | 0.61 | 432 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| C07041-C07039 | 8 | 101 | 0.04 | 1.5 | 220.74 | 0.61 | 531 | 527 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,836,779.89 | 9.47 |
| F07047-F07045 | 8 | 354 | 0.008 | 5.5 | 1,824.18 | 0.61 | 468 | 465 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 849,663.19 | 4.38 |
| F15093-F15091 | 6 | 119 | 0.008 | 22.8 | 1,590.25 | 0.61 | 454 | 453 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 392,865.93 | 3.04 |
| K14079-J14123 | 8 | 259 | 0.002 | 11.9 | 10,060.59 | 0.61 | 336.5 | 336 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 405,529.94 | 2.09 |
| H12071-H12069 | 8 | 349 | 0.003 | 9.2 | 8,647.49 | 0.61 | 364 | 363 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 494,054.77 | 2.55 |
| E11143-E11141 | 8 | 287 | 0.007 | 5.3 | 2,385.38 | 0.61 | 420 | 418 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 770,480.86 | 3.97 |
| C06091-C06077 | 8 | 158 | 0.025 | 1.9 | 441.47 | 0.61 | 568 | 564 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,468,551.76 | 7.57 |
| E07023-E07021 | 12 | 400 | 0.003 | 8.9 | 8,851.13 | 0.61 | 491 | 490 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,360,612.64 | 2.63 |
| G03039-G03037 | 8 | 155 | 0.006 | 9.2 | 2,379.33 | 0.61 | 510 | 509 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 741,347.72 | 3.82 |
| D17033-D17031 | 8 | 147 | 0.006 | 5.3 | 2,752.61 | 0.61 | 527.95 | 527 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 741,977.85 | 3.83 |
| G09007-G09005 | 8 | 57 | 0.009 | 3.4 | 1,537.98 | 0.61 | 413 | 412.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 864,441.05 | 4.46 |
| F16057-F16055 | 8 | 226 | 0.004 | 6.7 | 4,745.05 | 0.61 | 489 | 488 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 613,950.83 | 3.17 |
| G09157-G09155 | 6 | 106 | 0.019 | 3.4 | 679.11 | 0.61 | 417 | 415 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 588,680.85 | 4.55 |
| F03019-G03061 | 8 | 356 | 0.008 | 4.3 | 1,594.37 | 0.61 | 513 | 510 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 847,273.13 | 4.37 |
| F12119-F12117 | 8 | 221 | 0.005 | 6 | 4,358.37 | 0.61 | 410 | 409 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 620,857.13 | 3.20 |
| G09133-G09131 | 8 | 193 | 0.005 | 6.4 | 3,575.94 | 0.61 | 422 | 421 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 664,368.68 | 3.43 |
| F15017-F15015 | 8 | 276 | 0.011 | 3 | 951.01 | 0.61 | 460 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 962,263.24 | 4.96 |
| G15025-G15009 | 8 | 310 | 0.003 | 7.7 | 5,390.41 | 0.61 | 440 | 439 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 524,212.00 | 2.70 |
| J11063-H11113 | 8 | 561 | 0.007 | 14.1 | 2,450.25 | 0.61 | 373 | 369 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 779,356.88 | 4.02 |
| D08093-D08091 | 8 | 340 | 0.018 | 3.1 | 809.4 | 0.61 | 476 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,226,094.58 | 6.32 |
| B02001-C02106 | 8 | 227 | 0.027 | 2.4 | 1,055.77 | 0.61 | 678.54 | 672.18 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,511,966.58 | 7.80 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| F06159-F06145 | 8 | 304 | 0.003 | 11.4 | 6,034.17 | 0.61 | 489 | 488 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 529,359.87 | 2.73 |
| E03113-E03111 | 8 | 251 | 0.004 | 7 | 5,665.53 | 0.61 | 573 | 572 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 582,573.80 | 3.00 |
| F02094-F02092 | 8 | 0 | 0.009 | 4.1 | 1,436.29 | 0.61 | 544 | 542.97 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 885,110.33 | 4.56 |
| F08009-F08007 | 8 | 259 | 0.012 | 3.3 | 993.32 | 0.61 | 454 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 993,341.44 | 5.12 |
| G09123-G09121 | 8 | 392 | 0.005 | 8.4 | 3,699.44 | 0.62 | 414 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 659,264.62 | 3.40 |
| E06137-E06135 | 8 | 358 | 0.006 | 5.8 | 3,040.30 | 0.62 | 497 | 495 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 689,860.52 | 3.56 |
| K14007-K14005 | 8 | 306 | 0.003 | 7.2 | 5,155.43 | 0.62 | 328 | 327 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 527,627.10 | 2.72 |
| E02070-E02064 | 8 | 339.9 | 0.003 | 8.8 | 5,923.93 | 0.62 | 560.47 | 559.45 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 505,531.75 | 2.61 |
| F04037-F04035 | 8 | 299 | 0.007 | 4.3 | 2,373.19 | 0.62 | 513 | 511 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 754,861.39 | 3.89 |
| E04157-F04171 | 8 | 255 | 0.012 | 7.4 | 1,188.67 | 0.62 | 534 | 531 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,001,102.04 | 5.16 |
| F09095-F09087 | 8 | 177 | 0.006 | 13 | 2,149.74 | 0.62 | 428 | 427 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 693,747.09 | 3.58 |
| G07019-F07059 | 8 | 345 | 0.006 | 6 | 3,017.78 | 0.62 | 470 | 468 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 702,737.71 | 3.62 |
| F03013-F03011 | 8 | 355 | 0.011 | 3.1 | 1,195.78 | 0.62 | 528 | 524 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 979,723.73 | 5.05 |
| F08147-F08101 | 8 | 247 | 0.004 | 24.8 | 4,819.23 | 0.62 | 451 | 450 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,272.05 | 3.03 |
| E04039-E04037 | 8 | 366 | 0.003 | 8.9 | 7,817.98 | 0.62 | 549 | 548 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 482,444.39 | 2.49 |
| F09099-F09097 | 8 | 297 | 0.003 | 10.2 | 4,296.70 | 0.62 | 427 | 426 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 535,561.79 | 2.76 |
| E04147-E04143 | 8 | 259 | 0.004 | 6.5 | 4,721.49 | 0.62 | 536 | 535 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 573,505.95 | 2.96 |
| F15123-F15099 | 6 | 260 | 0.008 | 22.6 | 1,987.82 | 0.62 | 466 | 464 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 375,877.36 | 2.91 |
| C02124-C02122 | 8 | 300 | 0.015 | 2.3 | 1,080.13 | 0.62 | 650.2 | 645.64 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,136,022.62 | 5.86 |
| J15025-J15023 | 8 | 261 | 0.004 | 9.8 | 4,548.72 | 0.62 | 332 | 331 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 571,304.38 | 2.95 |
| G05035-G05033 | 8 | 303 | 0.013 | 4.2 | 2,252.42 | 0.62 | 478 | 474 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,060,465.36 | 5.47 |
| H12025-H12023 | 8 | 410 | 0.008 | 34.3 | 1,350.61 | 0.62 | 373 | 369.59 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 841,730.51 | 4.34 |
| D12051-D12049 | 8 | 238 | 0.001 | 16.4 | 18,836.92 | 0.62 | 441.5 | 441.21 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 322,179.81 | 1.66 |
| G05047-G05045 | 8 | 172 | 0.012 | 4.4 | 3,058.43 | 0.62 | 479 | 477 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 995,264.66 | 5.13 |
| D05061-D05059 | 8 | 238 | 0.004 | 7.8 | 5,081.69 | 0.62 | 590 | 589 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 598,272.90 | 3.09 |
| D10137-D10135 | 8 | 362 | 0.003 | 13.4 | 5,761.13 | 0.62 | 432 | 431 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 485,102.51 | 2.50 |
| F08143-F08103 | 8 | 249 | 0.004 | 34.3 | 5,411.70 | 0.62 | 452 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 584,908.77 | 3.02 |
| F03057-F03055 | 8 | 353 | 0.006 | 5.4 | 3,137.81 | 0.62 | 517 | 515 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 694,729.04 | 3.58 |
| F16007-F16005 | 8 | 171 | 0.006 | 6.5 | 3,170.64 | 0.62 | 485 | 484 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 705,813.16 | 3.64 |
| J13009-J13007 | 8 | 78 | 0.013 | 3.9 | 1,046.81 | 0.62 | 339 | 338 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,045,058.27 | 5.39 |
| F08079-F08077 | 8 | 248 | 0.004 | 6.8 | 3,759.97 | 0.62 | 438 | 437 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 586,086.84 | 3.02 |
| E08089-E08087 | 8 | 189 | 0.005 | 5.8 | 3,627.56 | 0.62 | 462 | 461 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 671,362.23 | 3.46 |
| C03029-C03027 | 8 | 306 | 0.007 | 4.5 | 2,917.14 | 0.62 | 676 | 674 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 746,177.40 | 3.85 |
| F06029-F06027 | 8 | 261 | 0.011 | 3.3 | 1,763.11 | 0.62 | 475 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 989,528.21 | 5.10 |
| E16019-E16017 | 8 | 324 | 0.009 | 4.8 | 1,783.42 | 0.62 | 485 | 482 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 888,128.75 | 4.58 |
| F09057-F09055 | 8 | 293 | 0.014 | 2.7 | 836.98 | 0.62 | 426 | 422 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,078,410.21 | 5.56 |
| F06107-F06063 | 8 | 346 | 0.027 | 15.9 | 608.06 | 0.62 | 491 | 481.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,513,182.23 | 7.80 |
| K10011-K10009 | 12 | 300 | 0.002 | 13.4 | 50,930.38 | 0.62 | 377.55 | 376.85 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,314,476.69 | 2.54 |
| D10061-D10059 | 8 | 249 | 0.004 | 7.4 | 3,530.89 | 0.62 | 450 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 584,908.77 | 3.02 |
| G09167-G09165 | 6 | 100 | 0.02 | 3.5 | 679.11 | 0.62 | 420 | 418 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 606,084.03 | 4.69 |
| F06105-F06101 | 8 | 137 | 0.007 | 9.4 | 2,432.24 | 0.63 | 484 | 483 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 788,546.89 | 4.07 |
| C02092-C02090 | 8 | 300 | 0.035 | 1.2 | 364.93 | 0.63 | 665.86 | 655.32 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,721,419.82 | 8.88 |
| F12037-F12005 | 8 | 171 | 0.012 | 12.7 | 1,765.63 | 0.63 | 389 | 387 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 998,170.54 | 5.15 |
| E05143-E05141 | 8 | 264 | 0.008 | 4.2 | 1,992.96 | 0.63 | 515 | 513 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 803,342.68 | 4.14 |
| F08151-F08097 | 8 | 246 | 0.004 | 29.1 | 5,417.81 | 0.63 | 450 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 588,464.48 | 3.03 |
| E14099-E14095 | 8 | 250 | 0.004 | 8.4 | 5,545.81 | 0.63 | 437 | 436 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 583,737.78 | 3.01 |
| E11081-E11079 | 10 | 252 | 0.004 | 7.3 | 6,705.49 | 0.63 | 412 | 411 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,054,178.70 | 3.26 |
| E14045-E14113 | 8 | 257 | 0.012 | 3.7 | 1,590.25 | 0.63 | 446 | 443 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 997,199.09 | 5.14 |
| H06037-H06035 | 8 | 158 | 0.012 | 3.5 | 1,249.04 | 0.63 | 451.4 | 449.54 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,001,418.79 | 5.16 |
| E11103-E11097 | 8 | 143 | 0.007 | 6.3 | 2,778.50 | 0.63 | 415 | 414 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 771,826.68 | 3.98 |
| E08087-E08085 | 8 | 233 | 0.004 | 7.1 | 4,806.62 | 0.63 | 461 | 460 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 604,658.06 | 3.12 |
| F03043-F03041 | 8 | 366 | 0.003 | 8.7 | 7,459.69 | 0.63 | 525 | 524 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 482,444.39 | 2.49 |
| H06031-H06029 | 8 | 137 | 0.007 | 4.9 | 2,923.88 | 0.63 | 446.2 | 445.25 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 768,580.44 | 3.96 |
| E12137-E12135 | 8 | 228 | 0.004 | 6.3 | 4,751.56 | 0.63 | 411 | 410 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 611,252.13 | 3.15 |
| G09103-G09101 | 8 | 167 | 0.006 | 4 | 2,149.74 | 0.63 | 406 | 405 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 714,215.99 | 3.68 |
| H06045-H06043 | 8 | 276 | 0.007 | 4.3 | 2,380.52 | 0.63 | 451 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 785,684.64 | 4.05 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| E12079-E12061 | 8 | 227 | 0.004 | 11.8 | 4,373.20 | 0.63 | 412 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 612,597.02 | 3.16 |
| F11037-F11033 | 8 | 238 | 0.004 | 9.1 | 5,147.10 | 0.63 | 404 | 403 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 598,272.90 | 3.09 |
| D14129-D14127 | 8 | 48 | 0.021 | 2.9 | 795.13 | 0.63 | 475 | 474 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,332,193.13 | 6.87 |
| F13125-F13123 | 8 | 234 | 0.004 | 6.6 | 5,142.44 | 0.63 | 412 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 603,364.67 | 3.11 |
| C02033-C02027 | 8 | 257 | 0.023 | 3.5 | 729.12 | 0.63 | 653 | 647 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,410,252.48 | 7.27 |
| H13055-H13053 | 8 | 264 | 0.008 | 3.7 | 1,620.73 | 0.63 | 370 | 368 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 803,342.68 | 4.14 |
| G07033-G07029 | 8 | 237 | 0.004 | 7.4 | 4,837.88 | 0.63 | 450 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 599,533.75 | 3.09 |
| K13027-K13025 | 8 | 238 | 0.004 | 6.3 | 4,106.62 | 0.63 | 336 | 335 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 598,272.90 | 3.09 |
| G05155-G05151 | 8 | 104 | 0.019 | 2.2 | 797.19 | 0.63 | 489 | 487 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,279,929.75 | 6.60 |
| E06105-E06101 | 8 | 295 | 0.003 | 7.3 | 5,685.02 | 0.63 | 497 | 496 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 537,374.18 | 2.77 |
| E12081-E12061 | 8 | 72 | 0.014 | 10 | 1,192.69 | 0.63 | 412 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,087,731.13 | 5.61 |
| D15041-D15039 | 8 | 84 | 0.012 | 3.3 | 1,590.25 | 0.63 | 462 | 461 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,007,043.35 | 5.19 |
| E07139-E07137 | 8 | 249 | 0.004 | 7.4 | 5,407.04 | 0.63 | 468 | 467 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 584,908.77 | 3.02 |
| G09161-G09159 | 6 | 99 | 0.021 | 3.7 | 679.11 | 0.63 | 418 | 415.94 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 618,206.91 | 4.78 |
| J12051-J11053 | 8 | 143 | 0.014 | 11.2 | 1,225.13 | 0.63 | 369 | 367 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,091,527.76 | 5.63 |
| G09095-G09093 | 8 | 199 | 0.005 | 5.2 | 2,818.00 | 0.63 | 403 | 402 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 654,276.42 | 3.37 |
| F10041-F10039 | 8 | 298 | 0.01 | 5.7 | 1,428.63 | 0.63 | 412 | 409 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 926,062.51 | 4.78 |
| D02083-D02081 | 8 | 177 | 0.006 | 9.6 | 3,409.80 | 0.63 | 605 | 604 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 693,747.09 | 3.58 |
| F04091-F04073 | 8 | 199 | 0.005 | 8.1 | 3,173.15 | 0.63 | 519 | 517.91 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 683,084.64 | 3.52 |
| E12117-E12115 | 8 | 266 | 0.004 | 8.4 | 5,565.89 | 0.63 | 411 | 410 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 565,909.51 | 2.92 |
| F16065-F16015 | 8 | 138 | 0.004 | 18.8 | 6,334.73 | 0.64 | 483.5 | 483 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 555,562.94 | 2.87 |
| H05065-H05063 | 8 | 326 | 0.006 | 4.5 | 2,761.16 | 0.64 | 447 | 445 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 722,926.27 | 3.73 |
| F04047-F05015 | 8 | 300 | 0.003 | 7.4 | 5,910.18 | 0.64 | 509 | 508 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 532,877.25 | 2.75 |
| F02092-F02090 | 8 | 301 | 0.005 | 6.2 | 3,420.90 | 0.64 | 542.97 | 541.46 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,904.62 | 3.38 |
| E09071-E09069 | 8 | 378 | 0.029 | 34.8 | 442.04 | 0.64 | 433 | 422 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,574,483.99 | 8.12 |
| G04027-G04009 | 8 | 298 | 0.01 | 7.2 | 3,353.02 | 0.64 | 482 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 926,062.51 | 4.78 |
| F16071-F16069 | 8 | 62 | 0.008 | 4.8 | 2,381.77 | 0.64 | 485 | 484.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 828,851.95 | 4.27 |
| F06095-F06093 | 8 | 228 | 0.01 | 3.9 | 1,814.96 | 0.64 | 497.02 | 494.79 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 912,794.08 | 4.71 |
| F13139-F13137 | 8 | 252 | 0.012 | 3.9 | 1,468.21 | 0.64 | 416 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,007,043.35 | 5.19 |
| F15069-F15067 | 8 | 245 | 0.012 | 3.6 | 1,588.82 | 0.64 | 466 | 463 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,021,328.36 | 5.27 |
| E14081-E14079 | 8 | 110 | 0.009 | 3.9 | 1,987.82 | 0.64 | 436 | 435 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 880,017.82 | 4.54 |
| G04015-G04013 | 8 | 321 | 0.009 | 5.4 | 3,793.81 | 0.64 | 485 | 482 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 892,269.23 | 4.60 |
| K09001-K10011 | 12 | 301 | 0.002 | 13.4 | 50,949.65 | 0.64 | 378.26 | 377.55 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,321,631.63 | 2.56 |
| E03109-E03107 | 8 | 137 | 0.007 | 6.4 | 2,621.48 | 0.64 | 571 | 570 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 788,546.89 | 4.07 |
| E18045-E18043 | 8 | 186 | 0.022 | 2.7 | 795.13 | 0.64 | 542 | 538 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,353,509.57 | 6.98 |
| F04133-F04127 | 8 | 201 | 0.007 | 7 | 2,391.56 | 0.64 | 518.08 | 516.66 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 775,771.73 | 4.00 |
| D15021-D15019 | 8 | 246 | 0.012 | 4.3 | 1,590.25 | 0.64 | 486 | 483 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,019,250.38 | 5.26 |
| H12031-H12029 | 8 | 381 | 0.01 | 3 | 1,080.49 | 0.64 | 375 | 371 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 945,704.19 | 4.88 |
| J07153-J07151 | 8 | 344 | 0.01 | 3.4 | 1,536.84 | 0.64 | 416.18 | 412.57 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 945,501.42 | 4.88 |
| F04015-F04009 | 8 | 308 | 0.003 | 8.2 | 6,297.50 | 0.64 | 519 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 525,911.24 | 2.71 |
| F04095-F04071 | 8 | 199 | 0.006 | 8 | 3,173.15 | 0.64 | 518 | 516.88 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 692,421.08 | 3.57 |
| G05065-G05063 | 8 | 20 | 0.05 | 1.7 | 454.98 | 0.64 | 476 | 475 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,063,824.72 | 10.64 |
| F04019-F04005 | 8 | 307 | 0.003 | 9 | 6,297.77 | 0.64 | 513 | 512 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 526,767.07 | 2.72 |
| G13063-G13029 | 8 | 188 | 0.005 | 13.2 | 2,649.14 | 0.64 | 390 | 389 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 673,145.40 | 3.47 |
| F03049-F03023 | 8 | 364 | 0.003 | 10.7 | 7,857.54 | 0.64 | 517 | 516 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 483,767.98 | 2.49 |
| D08075-D08073 | 8 | 250 | 0.012 | 3.1 | 1,407.21 | 0.64 | 489 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,011,063.49 | 5.21 |
| G14081-G14079 | 8 | 140 | 0.021 | 2.4 | 540.24 | 0.64 | 430 | 427 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,351,090.43 | 6.97 |
| F13023-F13021 | 8 | 230 | 0.009 | 3.2 | 1,448.52 | 0.64 | 408 | 406 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 860,674.40 | 4.44 |
| F04059-F05009 | 8 | 304 | 0.003 | 9.7 | 6,297.91 | 0.64 | 504 | 503 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 529,359.87 | 2.73 |
| F04063-F04061 | 8 | 310 | 0.01 | 4.2 | 1,594.37 | 0.64 | 509 | 506 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 907,961.82 | 4.68 |
| E05075-E05073 | 8 | 256 | 0.004 | 27.1 | 5,866.90 | 0.64 | 527 | 526 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| H11059-H11057 | 8 | 315 | 0.006 | 5 | 2,149.74 | 0.64 | 385 | 383 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 735,440.48 | 3.79 |
| E11099-E11097 | 8 | 134 | 0.007 | 6.3 | 2,778.20 | 0.64 | 415 | 414 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 797,325.05 | 4.11 |
| E03187-E03185 | 8 | 83 | 0.012 | 3.6 | 1,933.49 | 0.64 | 562 | 561 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,013,091.71 | 5.22 |
| G11007-G11005 | 8 | 314 | 0.006 | 4.5 | 2,149.74 | 0.64 | 386 | 384 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 736,610.63 | 3.80 |
| D08107-D08105 | 8 | 289 | 0.003 | 8.2 | 5,751.25 | 0.64 | 471 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 542,923.81 | 2.80 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| D12021-D12019 | 8 | 401 | 0.007 | 4.9 | 2,696.78 | 0.65 | 435 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 798,318.60 | 4.12 |
| E04127-E04125 | 8 | 231 | 0.004 | 6.1 | 4,359.32 | 0.65 | 531 | 530 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 607,269.99 | 3.13 |
| G05041-G05039 | 8 | 134 | 0.007 | 6.2 | 6,060.17 | 0.65 | 473 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 797,325.05 | 4.11 |
| G05045-G05043 | 8 | 200 | 0.01 | 5.3 | 3,937.68 | 0.65 | 477 | 475 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 922,970.47 | 4.76 |
| F13083-F13081 | 8 | 400 | 0.004 | 7.4 | 6,326.17 | 0.65 | 421.59 | 419.99 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 583,737.78 | 3.01 |
| J14081-J14079 | 8 | 119 | 0.004 | 6.2 | 4,441.93 | 0.65 | 339.5 | 339 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 598,272.90 | 3.09 |
| J11009-J11007 | 8 | 231 | 0.009 | 4 | 2,312.98 | 0.65 | 383 | 381 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 858,809.45 | 4.43 |
| D01019-D02055 | 8 | 248 | 0.008 | 8.8 | 2,511.17 | 0.65 | 608 | 606 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 828,851.95 | 4.27 |
| F15021-F15019 | 8 | 313 | 0.01 | 3.9 | 1,566.00 | 0.65 | 461 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 903,600.09 | 4.66 |
| D19013-D19011 | 8 | 300 | 0.004 | 8.7 | 8,636.77 | 0.65 | 559.06 | 558.01 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 551,580.36 | 2.84 |
| E07151-E07147 | 8 | 265 | 0.004 | 8.7 | 6,050.01 | 0.65 | 471 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 566,976.25 | 2.92 |
| F06007-F06005 | 8 | 275 | 0.004 | 7.7 | 6,608.72 | 0.65 | 472 | 471 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 556,572.14 | 2.87 |
| E02077-E02075 | 8 | 0 | 0.004 | 7.1 | 5,770.96 | 0.65 | 560.96 | 559.76 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 603,149.91 | 3.11 |
| E07081-E07077 | 8 | 159 | 0.013 | 4.5 | 1,437.81 | 0.65 | 478 | 476 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,035,152.28 | 5.34 |
| F08043-G08009 | 8 | 280 | 0.004 | 7.9 | 4,832.01 | 0.65 | 434 | 433 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 551,580.36 | 2.84 |
| H13043-H13041 | 6 | 101 | 0.003 | 9.8 | 4,503.68 | 0.65 | 373.2 | 372.9 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 233,570.39 | 1.81 |
| F09093-F09091 | 8 | 82 | 0.012 | 11.5 | 1,074.87 | 0.65 | 432 | 431 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,019,250.38 | 5.26 |
| F03149-F03145 | 8 | 189 | 0.006 | 25.6 | 3,544.62 | 0.65 | 532.12 | 531 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 710,503.00 | 3.66 |
| L14029-L14027 | 8 | 234 | 0.004 | 8.6 | 4,844.35 | 0.65 | 315 | 314 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 603,364.67 | 3.11 |
| E16053-E15087 | 8 | 391 | 0.013 | 4.2 | 1,590.25 | 0.65 | 478 | 473 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,043,721.02 | 5.38 |
| G05017-G05015 | 8 | 320 | 0.009 | 5.3 | 4,557.81 | 0.65 | 483 | 480 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 893,662.32 | 4.61 |
| F03003-G03023 | 8 | 355 | 0.008 | 4.2 | 1,992.96 | 0.65 | 510 | 507 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 848,465.64 | 4.38 |
| F04097-F04095 | 8 | 200 | 0.01 | 4 | 1,594.37 | 0.65 | 520 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 922,970.47 | 4.76 |
| F04093-F04091 | 8 | 200 | 0.01 | 4 | 1,594.37 | 0.65 | 521 | 519 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 922,970.47 | 4.76 |
| C03057-C03055 | 8 | 165 | 0.024 | 2.3 | 729.87 | 0.65 | 639 | 635 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,437,063.08 | 7.41 |
| D07025-D07023 | 8 | 215 | 0.009 | 3.5 | 1,649.46 | 0.65 | 516 | 514 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 890,191.77 | 4.59 |
| H13039-H13023 | 6 | 112 | 0.003 | 15.9 | 5,421.05 | 0.65 | 372.6 | 372.3 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 221,804.04 | 1.72 |
| E08101-E08099 | 8 | 68 | 0.015 | 3.6 | 1,216.12 | 0.65 | 466 | 465 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,119,266.10 | 5.77 |
| E14043-E14097 | 8 | 310 | 0.01 | 4.1 | 1,987.82 | 0.65 | 444 | 441 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 907,961.82 | 4.68 |
| K14047-K14045 | 8 | 256 | 0.004 | 7.4 | 5,363.07 | 0.65 | 330 | 329 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| E17046-E17038 | 8 | 279 | 0.003 | 10.2 | 8,280.44 | 0.65 | 521.33 | 520.38 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 538,576.63 | 2.78 |
| J08015-J08005 | 8 | 327 | 0.002 | 23.3 | 17,293.91 | 0.65 | 401.55 | 401 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 378,525.62 | 1.95 |
| F15111-F15109 | 8 | 279 | 0.004 | 9.3 | 6,745.02 | 0.65 | 478 | 477 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 552,567.97 | 2.85 |
| C02080-C02031 | 8 | 177.1 | 0.01 | 4.8 | 3,255.21 | 0.65 | 651.25 | 650 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 922,970.47 | 4.76 |
| G09153-G09139 | 8 | 146 | 0.021 | 5.7 | 1,018.66 | 0.65 | 421 | 418 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,323,037.05 | 6.82 |
| H12029-H12027 | 12 | 107 | 0.008 | 22.8 | 2,090.15 | 0.65 | 371 | 370.12 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,467,822.65 | 4.77 |
| J12071-J12069 | 8 | 317 | 0.006 | 5.7 | 3,903.69 | 0.65 | 366 | 364 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 733,116.80 | 3.78 |
| H11135-H11133 | 8 | 345 | 0.003 | 7.8 | 6,252.32 | 0.66 | 381 | 380 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 496,910.60 | 2.56 |
| E07143-E07141 | 8 | 193 | 0.01 | 4.2 | 1,824.18 | 0.66 | 471 | 469 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 939,559.20 | 4.85 |
| E03001-E04039 | 8 | 361 | 0.006 | 7.1 | 3,932.23 | 0.66 | 551 | 549 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 686,988.08 | 3.54 |
| F18021-F18017 | 8 | 304 | 0.01 | 4.8 | 1,987.82 | 0.66 | 543 | 540 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 916,878.19 | 4.73 |
| E19001-D19013 | 8 | 0 | 0.003 | 8.8 | 8,668.02 | 0.66 | 560.11 | 559.06 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 536,293.17 | 2.77 |
| H13081-H13069 | 8 | 384 | 0.008 | 6.2 | 1,620.73 | 0.66 | 378 | 374.75 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 849,109.84 | 4.38 |
| G04009-G04001 | 8 | 248 | 0.004 | 10 | 12,197.47 | 0.66 | 479 | 478 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 586,086.84 | 3.02 |
| G09113-G09111 | 8 | 171 | 0.006 | 4.5 | 2,682.14 | 0.66 | 406 | 405 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 705,813.16 | 3.64 |
| F05003-F05001 | 10 | 288 | 0.007 | 5.8 | 3,314.01 | 0.66 | 500 | 498 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,394,547.34 | 4.32 |
| F08069-F08067 | 8 | 224 | 0.004 | 6.1 | 3,759.83 | 0.66 | 442 | 441 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 616,685.59 | 3.18 |
| E05005-E05003 | 8 | 256 | 0.004 | 8.8 | 5,628.91 | 0.66 | 528 | 527 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| F03181-F03179 | 8 | 268 | 0.007 | 6.8 | 2,753.33 | 0.66 | 540 | 538 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 797,325.05 | 4.11 |
| C06083-C06081 | 8 | 243 | 0.033 | 1.3 | 441.47 | 0.66 | 595 | 587 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,674,671.63 | 8.64 |
| G15049-G15043 | 8 | 230 | 0.013 | 3.4 | 1,080.49 | 0.66 | 467 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,054,106.56 | 5.44 |
| G03001-G04061 | 8 | 254 | 0.004 | 10 | 12,171.23 | 0.66 | 491 | 490 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 579,123.18 | 2.99 |
| J13011-J13007 | 8 | 96 | 0.01 | 4.3 | 1,570.22 | 0.66 | 339 | 338 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 942,002.79 | 4.86 |
| E05135-E05133 | 8 | 260 | 0.008 | 5 | 2,391.56 | 0.66 | 521 | 519 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 809,498.65 | 4.17 |
| H11077-H11075 | 8 | 342 | 0.003 | 8.7 | 6,934.87 | 0.66 | 380 | 379 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 499,085.27 | 2.57 |
| J11105-J11103 | 8 | 208 | 0.005 | 6.9 | 5,463.36 | 0.66 | 375 | 374 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 639,964.88 | 3.30 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|-------------------------------------|-------------------------------------|----------------|-----------------------------|
| G07011-F07019 | 8 | 242 | 0.004 | 9.3 | 6,023.69 | 0.66 | 455 | 454 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 593,307.89 | 3.06 |
| B01010-C01040 | 8 | 115 | 0.009 | 4.4 | 2,896.76 | 0.66 | 670.41 | 669.51 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 858,602.98 | 4.43 |
| F07111-F07109 | 8 | 301 | 0.003 | 10.5 | 7,296.71 | 0.66 | 476 | 475 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 531,991.34 | 2.74 |
| E03015-E03013 | 8 | 353 | 0.01 | 4.2 | 1,966.11 | 0.66 | 554 | 550.46 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 924,276.87 | 4.77 |
| G04121-G04119 | 8 | 354 | 0.006 | 6.2 | 3,560.31 | 0.66 | 499 | 497 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 693,747.09 | 3.58 |
| E12071-E12069 | 8 | 120 | 0.004 | 8.2 | 5,944.13 | 0.66 | 414.5 | 414 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 595,774.88 | 3.07 |
| G04119-G04113 | 8 | 261 | 0.004 | 7.3 | 5,888.75 | 0.66 | 497 | 496 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 571,304.38 | 2.95 |
| F06087-F06085 | 8 | 231 | 0.006 | 7.4 | 4,226.45 | 0.66 | 498.87 | 497.59 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 687,047.56 | 3.54 |
| C02029-C02027 | 8 | 257 | 0.008 | 5.2 | 4,289.44 | 0.66 | 649 | 647 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 814,209.65 | 4.20 |
| G05117-G05115 | 8 | 278 | 0.004 | 7.5 | 6,290.67 | 0.66 | 492 | 491 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 553,560.90 | 2.85 |
| C06109-C06107 | 8 | 268 | 0.034 | 1.7 | 441.47 | 0.66 | 552 | 543 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,691,381.85 | 8.72 |
| H13027-H13025 | 8 | 221 | 0.001 | 14.5 | 15,343.31 | 0.66 | 372.9 | 372.6 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 340,057.45 | 1.75 |
| G05151-G05143 | 8 | 348 | 0.014 | 42.6 | 1,188.56 | 0.66 | 487 | 482 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,106,326.17 | 5.71 |
| F08093-F08091 | 8 | 270 | 0.007 | 5.1 | 3,040.30 | 0.66 | 451 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 794,366.50 | 4.10 |
| B02003-B02001 | 8 | 122 | 0.033 | 2 | 1,055.87 | 0.66 | 682.61 | 678.54 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,678,929.48 | 8.66 |
| D08103-D08101 | 8 | 275 | 0.004 | 8.8 | 5,943.78 | 0.66 | 469 | 468 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 556,572.14 | 2.87 |
| D04023-D04021 | 8 | 246 | 0.016 | 2.9 | 1,094.80 | 0.66 | 611 | 607 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,176,928.96 | 6.07 |
| D16069-D16067 | 8 | 313 | 0.003 | 8.6 | 8,032.43 | 0.66 | 493 | 492 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 521,693.76 | 2.69 |
| F15007-F15005 | 8 | 332 | 0.009 | 3.8 | 1,825.48 | 0.66 | 453 | 450 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 877,363.16 | 4.52 |
| G10077-G10075 | 8 | 256 | 0.004 | 6.7 | 4,357.55 | 0.66 | 393 | 392 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| D15059-D15057 | 8 | 160 | 0.004 | 6.8 | 5,667.68 | 0.66 | 493.7 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 610,487.58 | 3.15 |
| F18041-F18039 | 8 | 234 | 0.004 | 7 | 5,939.16 | 0.66 | 547 | 546 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 603,364.67 | 3.11 |
| E14129-E14125 | 8 | 339 | 0.009 | 4.9 | 2,385.38 | 0.66 | 435 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 868,257.58 | 4.48 |
| F16055-F16053 | 8 | 227 | 0.004 | 7.7 | 6,319.18 | 0.66 | 488 | 487 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 612,597.02 | 3.16 |
| G13127-G13125 | 8 | 355 | 0.009 | 3.7 | 1,620.73 | 0.66 | 384 | 380.9 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 862,490.81 | 4.45 |
| F15125-F15097 | 6 | 245 | 0.008 | 24.4 | 2,385.38 | 0.66 | 462 | 460 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 387,212.88 | 3.00 |
| D17037-D17033 | 8 | 236 | 0.04 | 2.8 | 397.56 | 0.66 | 537.33 | 527.95 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,840,065.26 | 9.49 |
| G08075-G08073 | 8 | 241 | 0.004 | 29.1 | 6,033.20 | 0.66 | 445 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 594,537.55 | 3.07 |
| F01017-F01015 | 8 | 448 | 0.003 | 8.4 | 7,526.86 | 0.67 | 528.92 | 527.52 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 515,956.18 | 2.66 |
| E16011-D16083 | 8 | 235 | 0.004 | 9.6 | 5,759.76 | 0.67 | 482 | 481 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 602,079.55 | 3.11 |
| H13041-H13039 | 6 | 100 | 0.003 | 10.4 | 4,964.54 | 0.67 | 372.9 | 372.6 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 234,735.34 | 1.82 |
| E15085-E15083 | 8 | 261 | 0.004 | 11.6 | 7,118.41 | 0.67 | 470 | 469 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 571,304.38 | 2.95 |
| G07007-F07015 | 8 | 242 | 0.004 | 10.9 | 6,036.34 | 0.67 | 453 | 452 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 593,307.89 | 3.06 |
| D03019-D03017 | 8 | 190 | 0.005 | 9.4 | 5,437.15 | 0.67 | 602 | 601 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 669,593.16 | 3.45 |
| C04017-D04017 | 8 | 242 | 0.017 | 2.9 | 1,094.80 | 0.67 | 621 | 617 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,186,615.78 | 6.12 |
| H04021-H04019 | 8 | 261 | 0.004 | 12.8 | 16,289.51 | 0.67 | 475 | 474 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 571,304.38 | 2.95 |
| E08095-E08093 | 8 | 248 | 0.004 | 8.2 | 6,581.71 | 0.67 | 463 | 462 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 586,086.84 | 3.02 |
| K14001-K13013 | 8 | 319 | 0.002 | 12.6 | 13,558.02 | 0.67 | 324 | 323.4 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 400,283.87 | 2.06 |
| K11009-K11007 | 8 | 259 | 0.008 | 4.5 | 3,073.01 | 0.67 | 371 | 369 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 811,059.89 | 4.18 |
| E06149-E06147 | 8 | 276 | 0.011 | 4.8 | 1,824.18 | 0.67 | 491 | 488 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 962,263.24 | 4.96 |
| F13107-F13105 | 8 | 256 | 0.008 | 7 | 2,922.41 | 0.67 | 417 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 815,798.35 | 4.21 |
| J12055-J12053 | 8 | 451 | 0.007 | 40.5 | 3,660.27 | 0.67 | 362 | 359 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 752,766.29 | 3.88 |
| E14079-E13083 | 8 | 245 | 0.008 | 4.8 | 2,778.78 | 0.67 | 435 | 433 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 833,911.12 | 4.30 |
| G03011-G03001 | 8 | 224 | 0.009 | 7.7 | 4,686.89 | 0.67 | 493 | 491 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 872,125.12 | 4.50 |
| G13035-G13033 | 8 | 225 | 0.009 | 3.5 | 1,620.73 | 0.67 | 395 | 393 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 870,184.91 | 4.49 |
| H09017-H09015 | 8 | 391 | 0.008 | 5.3 | 3,146.67 | 0.67 | 422 | 419 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 808,462.83 | 4.17 |
| G13081-G13079 | 8 | 377 | 0.008 | 17.9 | 1,890.85 | 0.67 | 385 | 382 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 823,337.24 | 4.25 |
| H11163-H11115 | 8 | 199 | 0.01 | 14 | 2,433.24 | 0.67 | 372 | 370 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 925,286.59 | 4.77 |
| E03139-E03137 | 8 | 212 | 0.005 | 6.8 | 5,218.39 | 0.67 | 568 | 567 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 633,898.72 | 3.27 |
| E12075-E12071 | 8 | 100 | 0.005 | 6.6 | 4,760.97 | 0.67 | 415 | 414.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 652,638.68 | 3.37 |
| E05083-E05081 | 8 | 252 | 0.004 | 26.5 | 6,517.47 | 0.67 | 530 | 529 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 581,416.75 | 3.00 |
| G09093-G09091 | 8 | 43 | 0.005 | 7.5 | 3,889.31 | 0.67 | 402 | 401.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 629,460.64 | 3.25 |
| E03059-E03057 | 8 | 537 | 0.004 | 7.9 | 7,157.78 | 0.67 | 574 | 572 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 563,268.76 | 2.91 |
| J11131-J11125 | 8 | 337 | 0.006 | 9 | 4,464.86 | 0.67 | 378.92 | 377 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 696,664.16 | 3.59 |
| G09175-G09163 | 6 | 100 | 0.02 | 4.2 | 848.88 | 0.67 | 419 | 417 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 606,084.03 | 4.69 |
| E09065-E09063 | 8 | 290 | 0.003 | 7.3 | 5,396.84 | 0.67 | 422 | 421 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 541,986.92 | 2.80 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| E07111-E07109 | 8 | 329 | 0.003 | 8.8 | 8,383.92 | 0.67 | 484 | 482.9 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 533,686.48 | 2.75 |
| E18097-E18095 | 8 | 188 | 0.011 | 3.8 | 1,985.72 | 0.67 | 538 | 536 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 951,971.35 | 4.91 |
| F13133-F13131 | 8 | 250 | 0.004 | 7.7 | 6,995.88 | 0.67 | 409 | 408 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 583,737.78 | 3.01 |
| D17075-D17073 | 12 | 266 | 0.001 | 20.9 | 80,022.46 | 0.67 | 512.5 | 512.25 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 834,245.14 | 1.61 |
| F09055-F09053 | 8 | 298 | 0.01 | 7.5 | 1,631.12 | 0.67 | 422 | 419 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 926,062.51 | 4.78 |
| G12055-G12019 | 8 | 161 | 0.004 | 18.5 | 5,463.75 | 0.67 | 381 | 380.41 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 558,728.56 | 2.88 |
| E17055-E17046 | 8 | 186 | 0.003 | 8.6 | 8,301.45 | 0.67 | 521.98 | 521.33 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 545,617.15 | 2.81 |
| D14025-D14023 | 8 | 188 | 0.041 | 1.6 | 397.56 | 0.67 | 530.8 | 523 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,879,992.79 | 9.70 |
| D13005-D13003 | 8 | 216 | 0.005 | 12.7 | 6,416.75 | 0.67 | 424 | 423 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 628,001.86 | 3.24 |
| G07031-G07029 | 8 | 187 | 0.016 | 5.4 | 1,216.12 | 0.67 | 452 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,169,035.32 | 6.03 |
| G08047-G08045 | 8 | 318 | 0.006 | 5.2 | 2,687.17 | 0.67 | 437 | 435 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 731,963.20 | 3.78 |
| D05040-D05039 | 10 | 331 | 0.009 | 4.5 | 2,628.46 | 0.67 | 558 | 555 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,593,166.40 | 4.93 |
| E1145-E11109 | 8 | 145 | 0.007 | 45.7 | 3,573.04 | 0.67 | 415 | 414 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 766,485.26 | 3.95 |
| D18013-D18011 | 8 | 161 | 0.005 | 9 | 10,518.57 | 0.68 | 520.93 | 520.19 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 625,735.41 | 3.23 |
| F10009-F10007 | 8 | 252 | 0.004 | 7.1 | 5,880.16 | 0.68 | 415 | 414 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 581,416.75 | 3.00 |
| E02075-E02060 | 8 | 394.9 | 0.005 | 10.1 | 6,509.17 | 0.68 | 559.76 | 557.91 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 632,449.07 | 3.26 |
| F07073-F07071 | 8 | 240 | 0.004 | 8.2 | 6,592.53 | 0.68 | 469 | 468 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 595,774.88 | 3.07 |
| H11069-H11067 | 8 | 359 | 0.004 | 7.3 | 4,688.63 | 0.68 | 387 | 385.6 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,374.29 | 2.97 |
| E07103-E07101 | 8 | 245 | 0.004 | 8.1 | 6,616.90 | 0.68 | 483 | 482 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 589,664.20 | 3.04 |
| B01086-B01084 | 8 | 244 | 0.046 | 1.9 | 364.93 | 0.68 | 702.85 | 691.59 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,982,723.20 | 10.23 |
| E18111-E18109 | 8 | 99 | 0.01 | 3.7 | 2,374.97 | 0.68 | 540 | 539 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 927,620.23 | 4.78 |
| H05035-H05027 | 8 | 253 | 0.004 | 11.7 | 14,742.40 | 0.68 | 464 | 463 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 580,266.56 | 2.99 |
| G08039-G08037 | 8 | 142 | 0.014 | 3.4 | 1,074.87 | 0.68 | 439 | 437 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,095,364.43 | 5.65 |
| F04039-F04037 | 8 | 337 | 0.015 | 3.3 | 1,195.78 | 0.68 | 518 | 513 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,124,236.96 | 5.80 |
| G13023-G13021 | 8 | 87 | 0.023 | 2.3 | 631.74 | 0.68 | 402 | 400 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,399,404.22 | 7.22 |
| C03015-C03013 | 12 | 295 | 0.031 | 1.3 | 728.66 | 0.68 | 669 | 660 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 4,753,075.85 | 9.19 |
| F04081-F04079 | 8 | 66 | 0.023 | 4.2 | 797.19 | 0.68 | 524.6 | 523.08 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,400,675.83 | 7.22 |
| L14031-L14029 | 8 | 207 | 0.005 | 6.3 | 5,001.62 | 0.68 | 316 | 315 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 641,508.82 | 3.31 |
| C06039-C06035 | 8 | 249 | 0.004 | 8.9 | 5,751.25 | 0.68 | 542 | 541 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 584,908.77 | 3.02 |
| F08075-F08073 | 8 | 248 | 0.003 | 9.2 | 7,503.54 | 0.68 | 436.44 | 435.69 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 507,566.09 | 2.62 |
| J11103-J11093 | 8 | 216 | 0.005 | 7.6 | 6,661.69 | 0.68 | 374 | 373 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 628,001.86 | 3.24 |
| G09121-G09119 | 8 | 416 | 0.002 | 15.9 | 12,589.45 | 0.68 | 412 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 452,523.50 | 2.33 |
| F03017-G03057 | 8 | 356 | 0.011 | 4.2 | 1,594.37 | 0.68 | 515 | 511 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 978,346.74 | 5.05 |
| C01032-C01030 | 8 | 277.2 | 0.014 | 3.8 | 2,819.86 | 0.68 | 659.8 | 655.93 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,088,982.48 | 5.62 |
| F05131-F05129 | 8 | 265 | 0.004 | 8 | 6,669.08 | 0.68 | 500 | 499 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 566,976.25 | 2.92 |
| E07073-E07071 | 8 | 283 | 0.007 | 4.7 | 2,875.62 | 0.68 | 491 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 775,906.85 | 4.00 |
| J11123-J11121 | 8 | 146 | 0.014 | 4 | 1,790.17 | 0.68 | 382 | 380 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,080,255.23 | 5.57 |
| E14037-E14035 | 8 | 243 | 0.008 | 6.1 | 3,167.67 | 0.68 | 439 | 437 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 837,335.82 | 4.32 |
| F02087-F02086 | 8 | 270 | 0.006 | 5.4 | 3,233.92 | 0.68 | 542.6 | 541.23 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 740,215.69 | 3.82 |
| D07029-D07015 | 8 | 108 | 0.019 | 3.6 | 879.12 | 0.68 | 499 | 497 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,256,003.72 | 6.48 |
| F06003-F06001 | 8 | 247 | 0.004 | 8 | 7,682.36 | 0.68 | 470 | 469 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,272.05 | 3.03 |
| G13021-G13019 | 8 | 245 | 0.01 | 3.4 | 1,450.62 | 0.68 | 400 | 397.46 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 939,770.10 | 4.85 |
| C01048-C01046 | 8 | 300 | 0.023 | 2.3 | 1,089.24 | 0.68 | 654.93 | 647.95 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,407,845.16 | 7.26 |
| E06119-E06117 | 8 | 213 | 0.009 | 6 | 2,432.24 | 0.68 | 501 | 499 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 894,361.31 | 4.61 |
| D18017-D18015 | 8 | 278 | 0.004 | 8.9 | 10,153.36 | 0.68 | 523.5 | 522.27 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 613,928.74 | 3.17 |
| L13045-L13043 | 8 | 101 | 0.002 | 10.3 | 10,262.15 | 0.68 | 333.75 | 333.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 459,194.97 | 2.37 |
| H11099-H11097 | 8 | 306 | 0.003 | 8.3 | 6,442.89 | 0.68 | 379 | 378 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 527,627.10 | 2.72 |
| E06125-E06121 | 8 | 212 | 0.009 | 4.7 | 2,432.24 | 0.68 | 506 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 896,468.17 | 4.62 |
| E08085-E08083 | 8 | 247 | 0.004 | 8.5 | 7,179.38 | 0.69 | 460 | 459 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,272.05 | 3.03 |
| D12029-D12027 | 8 | 303 | 0.007 | 14 | 3,800.51 | 0.69 | 436 | 434 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 749,862.25 | 3.87 |
| C02045-C02043 | 8 | 140 | 0.006 | 7.7 | 7,607.76 | 0.69 | 636.9 | 636 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 740,022.70 | 3.82 |
| H13033-H13031 | 8 | 193 | 0.002 | 13.2 | 13,172.58 | 0.69 | 373.8 | 373.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 363,889.71 | 1.88 |
| E05091-E05089 | 8 | 254 | 0.004 | 26.5 | 7,166.47 | 0.69 | 533 | 532 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 579,123.18 | 2.99 |
| E19003-E19001 | 8 | 300 | 0.003 | 8.8 | 8,704.39 | 0.69 | 561.16 | 560.11 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 546,036.70 | 2.82 |
| E14083-E14089 | 8 | 356 | 0.011 | 9.9 | 1,986.75 | 0.69 | 438 | 434.01 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 977,123.05 | 5.04 |
| K10009-J10003 | 12 | 258 | 0.003 | 19.6 | 50,894.95 | 0.69 | 376.85 | 376 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,561,939.14 | 3.02 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| F04127-F04123 | 8 | 253 | 0.003 | 10 | 9,871.48 | 0.69 | 516.66 | 515.99 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 474,968.65 | 2.45 |
| C03013-C03011 | 12 | 286 | 0.017 | 1.9 | 1,455.78 | 0.69 | 660 | 655 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,598,044.11 | 6.96 |
| G07087-G07085 | 8 | 310 | 0.003 | 10.6 | 9,684.33 | 0.69 | 454 | 453 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 524,212.00 | 2.70 |
| E14109-E14107 | 8 | 328 | 0.006 | 6.2 | 4,362.91 | 0.69 | 444 | 442 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 720,718.85 | 3.72 |
| F09101-F09099 | 8 | 296 | 0.01 | 4.8 | 1,612.30 | 0.69 | 430 | 427 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 929,185.83 | 4.79 |
| E03007-E03003 | 8 | 257 | 0.004 | 8.5 | 7,773.68 | 0.69 | 548 | 547 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 575,733.16 | 2.97 |
| F03055-F03021 | 8 | 356 | 0.006 | 10.3 | 4,685.00 | 0.69 | 515 | 513 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 691,795.62 | 3.57 |
| E14035-F14069 | 8 | 234 | 0.004 | 8 | 7,112.06 | 0.69 | 437 | 436 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 603,364.67 | 3.11 |
| G13135-H13089 | 8 | 272 | 0.011 | 8.4 | 1,350.61 | 0.69 | 380 | 377 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 969,312.88 | 5.00 |
| H13031-H13029 | 8 | 192 | 0.002 | 13.3 | 13,832.40 | 0.69 | 373.5 | 373.2 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 364,836.11 | 1.88 |
| F06053-F06051 | 8 | 314 | 0.01 | 4.7 | 2,432.24 | 0.69 | 485 | 482 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 902,160.09 | 4.65 |
| D13029-D13023 | 8 | 348 | 0.006 | 10.7 | 4,703.74 | 0.69 | 428 | 426 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 699,702.11 | 3.61 |
| G13019-G13017 | 8 | 86 | 0.008 | 4.7 | 2,227.22 | 0.69 | 397.46 | 396.77 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 826,728.91 | 4.26 |
| J11147-J11085 | 8 | 360 | 0.003 | 15.6 | 13,249.36 | 0.69 | 369 | 368 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 486,448.15 | 2.51 |
| D06041-D06039 | 8 | 353 | 0.006 | 5.9 | 4,283.43 | 0.69 | 569 | 567 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 694,729.04 | 3.58 |
| G07025-G07023 | 8 | 361 | 0.007 | 8.1 | 3,648.36 | 0.69 | 450 | 447.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 768,076.03 | 3.96 |
| E11093-E11091 | 8 | 238 | 0.004 | 8.2 | 7,501.86 | 0.69 | 413 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 598,272.90 | 3.09 |
| E18007-E18005 | 12 | 297 | 0.002 | 11.4 | 30,864.10 | 0.69 | 518.5 | 518 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,116,532.26 | 2.16 |
| E04129-E04127 | 8 | 342 | 0.012 | 4.5 | 1,594.37 | 0.69 | 535 | 531 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 998,170.54 | 5.15 |
| C07039-C07037 | 8 | 170 | 0.018 | 2.3 | 989.55 | 0.69 | 527 | 524 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,226,094.58 | 6.32 |
| F04175-F04173 | 8 | 206 | 0.005 | 9.7 | 4,763.99 | 0.69 | 534 | 533 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 643,064.00 | 3.32 |
| D02111-D02109 | 8 | 150 | 0.015 | 2.9 | 1,270.52 | 0.69 | 594.06 | 591.82 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,127,888.55 | 5.82 |
| F04179-F04177 | 8 | 205 | 0.005 | 8.9 | 4,762.69 | 0.69 | 536 | 535 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 644,630.54 | 3.32 |
| C06107-C06105 | 8 | 300 | 0.017 | 2.9 | 992.08 | 0.69 | 543 | 538 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,191,549.76 | 6.15 |
| D11067-E11053 | 8 | 297 | 0.015 | 3.6 | 1,564.98 | 0.69 | 432 | 427.59 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,124,679.75 | 5.80 |
| C01028-C01026 | 8 | 293.1 | 0.014 | 3.9 | 3,165.09 | 0.69 | 652.11 | 647.92 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,096,267.64 | 5.65 |
| E06145-F06103 | 8 | 365 | 0.003 | 10.8 | 11,435.60 | 0.69 | 486 | 485 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 483,104.82 | 2.49 |
| G12099-H12061 | 8 | 331 | 0.006 | 11.3 | 3,119.35 | 0.69 | 372 | 370 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 717,445.32 | 3.70 |
| E03251-F03177 | 8 | 204 | 0.005 | 8 | 4,763.28 | 0.69 | 538 | 537 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 646,208.59 | 3.33 |
| L13047-L13045 | 8 | 104 | 0.002 | 10.5 | 10,431.32 | 0.69 | 334 | 333.75 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 452,523.50 | 2.33 |
| E06037-E06035 | 8 | 234 | 0.004 | 8.2 | 5,751.25 | 0.69 | 495 | 494 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 603,364.67 | 3.11 |
| F13097-F13095 | 8 | 287 | 0.007 | 5.5 | 3,929.00 | 0.7 | 414 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 770,480.86 | 3.97 |
| D14119-D14117 | 8 | 194 | 0.005 | 8.7 | 5,545.77 | 0.7 | 472 | 471 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 662,654.18 | 3.42 |
| E07147-E07145 | 8 | 337 | 0.003 | 10.4 | 10,799.19 | 0.7 | 470 | 469 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 502,774.05 | 2.59 |
| G13001-G12033 | 8 | 331 | 0.006 | 5.1 | 3,137.45 | 0.7 | 388 | 386 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 717,445.32 | 3.70 |
| E06135-E06111 | 8 | 204 | 0.005 | 9.9 | 6,019.75 | 0.7 | 495 | 494 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 646,208.59 | 3.33 |
| H06023-H06021 | 8 | 328 | 0.007 | 6.5 | 3,495.24 | 0.7 | 444.4 | 442.2 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 755,896.31 | 3.90 |
| E17003-E18049 | 8 | 265 | 0.004 | 8.6 | 8,165.34 | 0.7 | 524 | 523 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 566,976.25 | 2.92 |
| F13109-F13105 | 8 | 241 | 0.002 | 13.2 | 15,665.15 | 0.7 | 415.5 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 420,401.53 | 2.17 |
| E12133-E12131 | 8 | 217 | 0.005 | 7.8 | 7,105.51 | 0.7 | 408 | 407 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 626,553.18 | 3.23 |
| L13027-L13025 | 8 | 153 | 0.003 | 9.3 | 9,415.21 | 0.7 | 330 | 329.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 527,627.10 | 2.72 |
| E03005-E03003 | 8 | 135 | 0.007 | 6.8 | 3,276.85 | 0.7 | 548 | 547 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 794,366.50 | 4.10 |
| E02080-E02078 | 8 | 329 | 0.005 | 6.6 | 5,050.38 | 0.7 | 563 | 561.23 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 675,954.51 | 3.49 |
| E04151-E04147 | 8 | 268 | 0.011 | 4.9 | 1,965.71 | 0.7 | 539 | 536 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 976,519.76 | 5.04 |
| E07093-E07089 | 8 | 269 | 0.004 | 11.9 | 7,121.08 | 0.7 | 473 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 562,745.03 | 2.90 |
| H08015-H08005 | 8 | 333 | 0.001 | 20.4 | 26,702.66 | 0.7 | 427.9 | 427.44 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 343,039.88 | 1.77 |
| D16045-D16043 | 8 | 140 | 0.004 | 8.5 | 8,226.56 | 0.7 | 495 | 494.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 551,580.36 | 2.84 |
| G12043-G12041 | 8 | 226 | 0.009 | 6.9 | 2,331.22 | 0.7 | 393 | 391 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 868,257.58 | 4.48 |
| E07137-E07135 | 8 | 247 | 0.004 | 8 | 7,768.53 | 0.7 | 467 | 466 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,272.05 | 3.03 |
| G13065-G13063 | 8 | 198 | 0.01 | 3.8 | 1,620.73 | 0.7 | 392 | 390 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 927,620.23 | 4.78 |
| D02075-D02073 | 8 | 280 | 0.011 | 4.6 | 2,189.60 | 0.7 | 621 | 618 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 955,365.20 | 4.93 |
| J14083-J14081 | 8 | 98 | 0.005 | 6 | 4,510.78 | 0.7 | 340 | 339.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 659,264.62 | 3.40 |
| H11029-H11027 | 8 | 192 | 0.005 | 5.4 | 3,710.22 | 0.7 | 372 | 371 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 666,096.56 | 3.44 |
| G07061-G07059 | 8 | 350 | 0.003 | 10.1 | 10,546.85 | 0.7 | 457 | 456 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 493,348.47 | 2.54 |
| G10045-G10043 | 8 | 285 | 0.004 | 8.2 | 6,141.25 | 0.7 | 403 | 402 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 546,720.52 | 2.82 |
| C01034-C01032 | 8 | 184 | 0.015 | 3.7 | 2,834.39 | 0.7 | 662.49 | 659.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,112,956.23 | 5.74 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| H11155-H11153 | 8 | 284 | 0.007 | 4.9 | 2,703.13 | 0.7 | 385 | 383 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 774,539.61 | 3.99 |
| H11147-H11145 | 8 | 200 | 0.005 | 6.6 | 4,296.32 | 0.7 | 383 | 382 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 652,638.68 | 3.37 |
| F14125-F14105 | 6 | 220 | 0.014 | 26.5 | 1,590.25 | 0.7 | 437 | 434 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 500,457.42 | 3.87 |
| E18041-E18039 | 8 | 276 | 0.007 | 5.4 | 3,963.00 | 0.7 | 535 | 533 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 785,684.64 | 4.05 |
| E09063-E09061 | 8 | 267 | 0.004 | 9.5 | 6,302.27 | 0.7 | 421 | 420 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 564,848.76 | 2.91 |
| P-5580 | 10 | 0 | 0.003 | 16.6 | 42,945.87 | 0.7 | 396.62 | 395.85 | | 0.5 | 717,378.86 | 2.22 |
| J14079-J14077 | 8 | 184 | 0.005 | 8.3 | 4,353.76 | 0.7 | 339 | 338 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 680,422.86 | 3.51 |
| F04045-F04043 | 8 | 326 | 0.012 | 4.6 | 1,594.37 | 0.7 | 511 | 507 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,022,372.13 | 5.27 |
| H11079-H11077 | 8 | 330 | 0.006 | 6.7 | 3,719.90 | 0.7 | 382 | 380 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 718,531.54 | 3.71 |
| D08097-D08001 | 8 | 241 | 0.008 | 44.2 | 2,646.37 | 0.7 | 453 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 840,803.06 | 4.34 |
| G08077-G08075 | 8 | 270 | 0.007 | 6 | 3,648.36 | 0.71 | 447 | 445 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 794,366.50 | 4.10 |
| G08089-G08087 | 8 | 270 | 0.007 | 5.5 | 3,648.36 | 0.71 | 446 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 794,366.50 | 4.10 |
| D03125-E03117 | 8 | 346 | 0.009 | 5 | 3,258.56 | 0.71 | 584 | 581 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 859,429.75 | 4.43 |
| F04061-F04059 | 8 | 326 | 0.006 | 6.5 | 3,961.48 | 0.71 | 506 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 722,926.27 | 3.73 |
| F10039-F10001 | 10 | 256 | 0.004 | 42.4 | 9,612.79 | 0.71 | 409 | 408 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,045,910.51 | 3.24 |
| C06067-C06065 | 8 | 307 | 0.026 | 1.8 | 661.77 | 0.71 | 575 | 567 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,489,922.27 | 7.68 |
| K14087-K14085 | 8 | 328 | 0.006 | 5.9 | 3,842.92 | 0.71 | 323 | 321 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 720,718.85 | 3.72 |
| D04073-D04071 | 8 | 223 | 0.031 | 2.6 | 729.87 | 0.71 | 581 | 574 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,635,250.90 | 8.43 |
| G13067-G12063 | 8 | 331 | 0.006 | 5.6 | 3,399.23 | 0.71 | 387 | 385 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 717,445.32 | 3.70 |
| F04107-F04105 | 8 | 281 | 0.007 | 5.8 | 3,547.70 | 0.71 | 532 | 530 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 778,663.19 | 4.02 |
| E12097-E12095 | 8 | 326 | 0.006 | 21.5 | 4,761.92 | 0.71 | 407 | 405 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 722,926.27 | 3.73 |
| F06013-F06011 | 8 | 170 | 0.009 | 5.1 | 3,040.30 | 0.71 | 475.5 | 474 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 866,979.79 | 4.47 |
| G08009-G08007 | 8 | 345 | 0.003 | 15.4 | 8,584.26 | 0.71 | 433 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 496,910.60 | 2.56 |
| K11011-K11005 | 18 | 322 | 0 | 33.9 | 414,931.75 | 0.71 | 363.5 | 363.36 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 1,672,928.08 | 1.44 |
| E01033-E01031 | 8 | 329 | 0.003 | 13.1 | 11,480.07 | 0.71 | 593.17 | 592.14 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 516,426.44 | 2.66 |
| F12131-F12129 | 8 | 235 | 0.004 | 8.2 | 8,288.74 | 0.71 | 409 | 408 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 602,079.55 | 3.11 |
| F02078-F02077 | 8 | 296 | 0.006 | 7.5 | 4,425.11 | 0.71 | 538.32 | 536.65 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 686,345.15 | 3.54 |
| H13061-H13059 | 8 | 264 | 0.008 | 6.9 | 2,613.28 | 0.71 | 371 | 369 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 803,342.68 | 4.14 |
| E05169-E05149 | 8 | 345 | 0.014 | 6.2 | 1,594.37 | 0.71 | 521 | 516 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,111,125.88 | 5.73 |
| F04057-F04055 | 8 | 316 | 0.013 | 4.6 | 1,594.37 | 0.71 | 513 | 509 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,038,422.91 | 5.36 |
| D07139-D07137 | 8 | 328 | 0.003 | 10.2 | 9,353.27 | 0.71 | 496 | 495 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 509,625.19 | 2.63 |
| C07101-C07093 | 8 | 381 | 0.026 | 7 | 662.21 | 0.71 | 535 | 525 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,495,289.62 | 7.71 |
| J11149-J11147 | 8 | 308 | 0.003 | 10.8 | 11,610.73 | 0.71 | 370 | 369 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 525,911.24 | 2.71 |
| F13071-F13069 | 8 | 304 | 0.003 | 9.4 | 9,708.34 | 0.71 | 412 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 529,359.87 | 2.73 |
| D06051-D06049 | 8 | 164 | 0.006 | 6.6 | 4,313.44 | 0.71 | 560 | 559 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 720,718.85 | 3.72 |
| D18015-D18013 | 8 | 265 | 0.005 | 8.9 | 10,533.90 | 0.71 | 522.27 | 520.93 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 656,322.46 | 3.38 |
| E07101-E07099 | 8 | 263 | 0.004 | 9.2 | 8,969.22 | 0.71 | 482 | 481 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 569,127.97 | 2.94 |
| D05081-D05079 | 10 | 345 | 0.003 | 8.6 | 13,808.18 | 0.71 | 588 | 587 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 900,958.86 | 2.79 |
| F04027-F04025 | 12 | 351 | 0.009 | 3 | 3,556.90 | 0.72 | 515 | 512 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,515,773.67 | 4.87 |
| E03181-E03179 | 8 | 81 | 0.012 | 3.7 | 2,548.95 | 0.72 | 559 | 558 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,025,522.75 | 5.29 |
| C01024-C01022 | 8 | 178 | 0.016 | 3.9 | 3,159.73 | 0.72 | 645.2 | 642.35 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,167,885.42 | 6.02 |
| F04067-F04065 | 8 | 305 | 0.007 | 5.9 | 3,948.10 | 0.72 | 504 | 502 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 747,399.64 | 3.85 |
| G09115-G09105 | 8 | 225 | 0.004 | 7.4 | 4,836.90 | 0.72 | 404 | 403 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 615,313.65 | 3.17 |
| G15033-G15031 | 8 | 258 | 0.016 | 2.9 | 1,080.49 | 0.72 | 434 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,149,232.63 | 5.93 |
| H13053-H13051 | 8 | 264 | 0.008 | 7 | 2,624.32 | 0.72 | 368 | 366 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 803,342.68 | 4.14 |
| F14129-F14127 | 6 | 171 | 0.018 | 3.9 | 1,192.69 | 0.72 | 430 | 427 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 567,649.70 | 4.39 |
| F03051-F03049 | 8 | 363 | 0.006 | 7.4 | 4,738.37 | 0.72 | 519 | 517 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 685,092.94 | 3.53 |
| G09081-G09079 | 8 | 88 | 0.011 | 4.3 | 1,612.30 | 0.72 | 404 | 403 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 983,889.83 | 5.07 |
| G07009-G07007 | 8 | 257 | 0.008 | 6 | 3,648.36 | 0.72 | 455 | 453 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 814,209.65 | 4.20 |
| D03093-D03091 | 8 | 292 | 0.021 | 3 | 1,093.58 | 0.72 | 604 | 598 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,323,037.05 | 6.82 |
| E03179-E03177 | 8 | 79 | 0.013 | 4 | 2,542.49 | 0.72 | 558 | 557 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,038,422.91 | 5.36 |
| H11075-J11033 | 8 | 320 | 0.003 | 9.5 | 9,063.97 | 0.72 | 379 | 378 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 515,956.18 | 2.66 |
| E16081-E16079 | 8 | 210 | 0.002 | 13.7 | 17,037.89 | 0.72 | 500 | 499.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 450,363.48 | 2.32 |
| D10139-D10137 | 8 | 356 | 0.006 | 6.4 | 3,626.85 | 0.72 | 434 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 691,795.62 | 3.57 |
| F08073-G08025 | 8 | 250 | 0.003 | 10.1 | 10,174.76 | 0.72 | 435.69 | 435 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 484,889.02 | 2.50 |
| K08015-K09013 | 12 | 301 | 0.002 | 13.6 | 51,806.95 | 0.72 | 389.78 | 389.08 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,312,291.36 | 2.54 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| E18049-E18047 | 8 | 256 | 0.004 | 8.9 | 9,326.76 | 0.72 | 523 | 522 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| F03037-F03035 | 8 | 361 | 0.006 | 6.8 | 4,739.35 | 0.72 | 525 | 523 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 686,988.08 | 3.54 |
| F08067-F08065 | 8 | 225 | 0.004 | 7.2 | 5,366.50 | 0.72 | 441 | 440 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 615,313.65 | 3.17 |
| F12021-F12019 | 8 | 196 | 0.005 | 6.8 | 5,056.92 | 0.72 | 399 | 398 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 659,264.62 | 3.40 |
| G10055-G10039 | 8 | 222 | 0.005 | 12.9 | 4,836.90 | 0.72 | 402 | 401 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 619,457.22 | 3.19 |
| F16053-F16051 | 8 | 227 | 0.004 | 8.3 | 8,288.13 | 0.72 | 487 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 612,597.02 | 3.16 |
| D12005-D12003 | 8 | 187 | 0.009 | 5.1 | 3,196.65 | 0.72 | 425.7 | 424 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 880,017.82 | 4.54 |
| G14019-G14017 | 8 | 369 | 0.011 | 3.5 | 1,826.83 | 0.72 | 430 | 426 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 960,958.47 | 4.96 |
| F03029-F03027 | 8 | 363 | 0.006 | 6.8 | 4,749.24 | 0.72 | 522 | 520 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 685,092.94 | 3.53 |
| D02045-D02043 | 8 | 252 | 0.008 | 5.1 | 3,284.40 | 0.72 | 608 | 606 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 822,247.45 | 4.24 |
| E18039-E18037 | 8 | 143 | 0.007 | 5.6 | 4,742.15 | 0.72 | 533 | 532 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 771,826.68 | 3.98 |
| C01026-C01024 | 8 | 170 | 0.016 | 3.8 | 3,162.48 | 0.72 | 647.92 | 645.2 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,157,308.67 | 5.97 |
| J11157-J11155 | 8 | 265 | 0.008 | 5.4 | 3,982.84 | 0.72 | 377 | 375 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 801,825.51 | 4.14 |
| G08115-H08011 | 12 | 290 | 0.001 | 15.7 | 50,428.64 | 0.72 | 434 | 433.65 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 945,365.00 | 1.83 |
| F07163-F07161 | 8 | 131 | 0.015 | 3.2 | 1,824.18 | 0.72 | 467 | 465 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,140,426.12 | 5.88 |
| J07137-J07133 | 8 | 301 | 0.004 | 7.6 | 7,115.70 | 0.72 | 421.39 | 420.09 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 606,563.45 | 3.13 |
| E05067-E05065 | 8 | 298 | 0.003 | 25.8 | 9,856.10 | 0.72 | 524 | 523 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 534,662.44 | 2.76 |
| E03011-E03007 | 8 | 261 | 0.008 | 6.6 | 3,899.64 | 0.72 | 550 | 548 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 807,946.40 | 4.17 |
| D18049-D18047 | 12 | 300 | 0.008 | 5.2 | 10,110.61 | 0.72 | 529.31 | 526.96 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,408,450.93 | 4.66 |
| D07147-D07145 | 8 | 222 | 0.009 | 12.3 | 3,056.68 | 0.72 | 505 | 503 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 876,044.80 | 4.52 |
| G05039-G05005 | 8 | 103 | 0.01 | 10.1 | 6,469.55 | 0.72 | 472 | 471 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 909,429.83 | 4.69 |
| H08017-H08015 | 8 | 62 | 0.002 | 18.2 | 25,103.59 | 0.72 | 428 | 427.9 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 370,673.86 | 1.91 |
| E13081-E13079 | 8 | 356 | 0.006 | 12.4 | 5,932.79 | 0.72 | 431 | 429 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 691,795.62 | 3.57 |
| E18043-E18041 | 8 | 261 | 0.011 | 4.4 | 2,382.70 | 0.72 | 538 | 535 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 989,528.21 | 5.10 |
| G05133-G05127 | 8 | 198 | 0.01 | 5.1 | 2,383.15 | 0.73 | 491 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 927,620.23 | 4.78 |
| E18031-E18029 | 8 | 201 | 0.02 | 3.8 | 1,192.69 | 0.73 | 540 | 536 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,302,026.35 | 6.72 |
| E06147-E06145 | 8 | 356 | 0.006 | 8.5 | 5,446.19 | 0.73 | 488 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 691,795.62 | 3.57 |
| H11145-H11143 | 8 | 256 | 0.004 | 7.7 | 6,440.61 | 0.73 | 382 | 381 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| G04011-G04009 | 8 | 250 | 0.008 | 8.5 | 8,090.85 | 0.73 | 481 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 825,529.89 | 4.26 |
| E03071-E04103 | 8 | 334 | 0.009 | 5.8 | 3,276.85 | 0.73 | 559 | 556 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 874,732.38 | 4.51 |
| D08077-D08075 | 8 | 306 | 0.016 | 2.6 | 1,191.04 | 0.73 | 494 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,179,810.06 | 6.08 |
| E06127-E06113 | 8 | 210 | 0.005 | 10.1 | 7,183.10 | 0.73 | 496 | 495 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 636,910.14 | 3.28 |
| E18107-E18105 | 8 | 220 | 0.009 | 4.6 | 3,562.91 | 0.73 | 538 | 536 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 880,017.82 | 4.54 |
| F05147-F05145 | 8 | 194 | 0.01 | 5.6 | 2,378.10 | 0.73 | 504 | 502 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 937,134.53 | 4.83 |
| F14069-F14067 | 8 | 228 | 0.004 | 11.5 | 8,645.92 | 0.73 | 436 | 435 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 611,252.13 | 3.15 |
| E18055-E18051 | 8 | 368 | 0.004 | 8.9 | 10,195.77 | 0.73 | 529.8 | 528.15 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 618,024.75 | 3.19 |
| E07145-F07149 | 8 | 315 | 0.003 | 10.7 | 12,452.58 | 0.73 | 469 | 468 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 520,034.95 | 2.68 |
| F04189-F04145 | 8 | 24 | 0.042 | 24.3 | 398.59 | 0.73 | 521 | 520 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,884,005.59 | 9.72 |
| G13025-G13017 | 8 | 344 | 0.015 | 4 | 1,282.38 | 0.73 | 402 | 396.77 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,138,044.99 | 5.87 |
| E13093-E13075 | 8 | 185 | 0.002 | 22.6 | 24,064.74 | 0.73 | 426.32 | 426 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 383,863.60 | 1.98 |
| E02066-E02065 | 8 | 135 | 0.007 | 5.2 | 3,573.58 | 0.73 | 562.4 | 561.39 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 798,328.46 | 4.12 |
| E04165-F04179 | 8 | 200 | 0.01 | 4.9 | 2,391.56 | 0.73 | 538 | 536 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 922,970.47 | 4.76 |
| F04121-F04119 | 8 | 295 | 0.01 | 7.8 | 2,391.56 | 0.73 | 515.65 | 512.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 922,970.47 | 4.76 |
| G05119-G05117 | 8 | 253 | 0.008 | 6 | 3,167.99 | 0.73 | 494 | 492 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 820,620.84 | 4.23 |
| D02017-D02015 | 8 | 294 | 0.007 | 22.9 | 4,312.45 | 0.73 | 600 | 598 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 761,253.22 | 3.93 |
| E04119-F04107 | 8 | 214 | 0.009 | 4.5 | 2,774.81 | 0.73 | 534 | 532 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 892,269.23 | 4.60 |
| E18099-E18097 | 8 | 49 | 0.02 | 2.8 | 1,191.53 | 0.73 | 539 | 538 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,318,529.25 | 6.80 |
| F14097-F14095 | 8 | 221 | 0.009 | 4.9 | 3,566.99 | 0.73 | 442 | 440 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 878,024.57 | 4.53 |
| D05025-D05019 | 8 | 306 | 0.007 | 6.1 | 4,268.62 | 0.73 | 585 | 583 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 746,177.40 | 3.85 |
| F03065-F04015 | 8 | 290 | 0.007 | 6.4 | 3,951.37 | 0.73 | 521 | 519 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 766,485.26 | 3.95 |
| F16005-F16003 | 8 | 238 | 0.004 | 8.2 | 8,322.22 | 0.73 | 484 | 483 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 598,272.90 | 3.09 |
| F03073-F04019 | 8 | 290 | 0.007 | 6.4 | 3,951.67 | 0.73 | 515 | 513 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 766,485.26 | 3.95 |
| E05153-E05151 | 8 | 74 | 0.014 | 6.1 | 1,594.37 | 0.73 | 519 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,072,931.38 | 5.53 |
| E05159-E05157 | 8 | 74 | 0.014 | 5.3 | 1,594.37 | 0.73 | 521 | 520 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,072,931.38 | 5.53 |
| H05027-H05025 | 8 | 250 | 0.004 | 15.9 | 19,360.07 | 0.73 | 463 | 462 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 583,737.78 | 3.01 |
| E07149-E07147 | 8 | 266 | 0.011 | 6.9 | 2,432.24 | 0.73 | 473 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 980,184.02 | 5.06 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| C01022-C01020 | 8 | 101 | 0.016 | 4.9 | 3,501.92 | 0.73 | 642.35 | 640.71 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,159,025.69 | 5.98 |
| E11091-E11079 | 8 | 230 | 0.004 | 9.8 | 9,069.79 | 0.73 | 412 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 608,588.71 | 3.14 |
| H11093-H11091 | 8 | 310 | 0.003 | 9.6 | 7,940.71 | 0.73 | 382 | 381 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 524,212.00 | 2.70 |
| E16047-E16045 | 8 | 431 | 0.012 | 4.2 | 2,385.38 | 0.73 | 489 | 484 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 994,109.39 | 5.13 |
| H11097-J11045 | 8 | 304 | 0.003 | 9.4 | 8,579.19 | 0.73 | 378 | 377 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 529,359.87 | 2.73 |
| D05097-E05007 | 8 | 303 | 0.017 | 3.4 | 1,437.81 | 0.73 | 540 | 535 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,185,636.32 | 6.11 |
| E04121-E04119 | 8 | 220 | 0.014 | 3.5 | 1,594.37 | 0.73 | 537 | 534 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,077,797.31 | 5.56 |
| H06043-H06041 | 8 | 226 | 0.009 | 4.9 | 3,349.66 | 0.73 | 449 | 447 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 868,257.58 | 4.48 |
| G05069-G05067 | 8 | 253 | 0.012 | 6 | 5,035.51 | 0.73 | 470 | 467 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,005,051.17 | 5.18 |
| D18011-D18009 | 8 | 167 | 0.006 | 8.9 | 11,355.75 | 0.73 | 520.19 | 519.26 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 688,764.96 | 3.55 |
| E08033-E08021 | 8 | 345 | 0.003 | 10.4 | 8,819.07 | 0.73 | 449 | 448 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 496,910.60 | 2.56 |
| C02051-C02047 | 8 | 249 | 0.008 | 5 | 4,006.72 | 0.73 | 642 | 640 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 827,185.92 | 4.27 |
| K14041-K14039 | 8 | 259 | 0.002 | 14.2 | 17,668.71 | 0.73 | 327 | 326.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 405,529.94 | 2.09 |
| F01011-F02061 | 8 | 96 | 0.005 | 7.4 | 7,334.88 | 0.73 | 526.09 | 525.59 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 666,096.56 | 3.44 |
| E03257-E03255 | 8 | 292 | 0.014 | 4.2 | 1,594.37 | 0.73 | 545 | 541 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,080,255.23 | 5.57 |
| D13107-D13105 | 8 | 146 | 0.021 | 2.3 | 1,192.69 | 0.73 | 504 | 501 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,323,037.05 | 6.82 |
| J06079-J06077 | 8 | 72 | 0.004 | 7.6 | 6,872.08 | 0.73 | 427.25 | 426.95 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 595,774.88 | 3.07 |
| E18089-F18007 | 8 | 210 | 0.005 | 8.1 | 8,661.52 | 0.73 | 532 | 531 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 636,910.14 | 3.28 |
| E04063-E04061 | 8 | 129 | 0.008 | 5.6 | 3,932.23 | 0.74 | 550 | 549 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 812,630.19 | 4.19 |
| C07103-C07091 | 8 | 383 | 0.029 | 6.2 | 662.21 | 0.74 | 535 | 524 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,564,172.92 | 8.07 |
| D03059-D03057 | 8 | 315 | 0.016 | 3.3 | 1,824.67 | 0.74 | 596 | 591 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,162,833.49 | 6.00 |
| H11125-H11121 | 8 | 284 | 0.004 | 8.2 | 7,516.77 | 0.74 | 376 | 375 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 547,682.21 | 2.82 |
| D03121-D03113 | 6 | 498 | 0.006 | 9.1 | 4,587.60 | 0.74 | 580 | 577 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 332,631.83 | 2.57 |
| F18007-F18005 | 8 | 196 | 0.005 | 18.8 | 8,643.36 | 0.74 | 531 | 530 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 659,264.62 | 3.40 |
| K14045-K14043 | 8 | 246 | 0.004 | 9.6 | 7,761.86 | 0.74 | 329 | 328 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 588,464.48 | 3.03 |
| F09119-F09117 | 8 | 142 | 0.007 | 5.4 | 3,201.82 | 0.74 | 434 | 433 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 774,539.61 | 3.99 |
| D08099-D08097 | 8 | 249 | 0.008 | 4.2 | 2,652.75 | 0.74 | 455 | 453 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 827,185.92 | 4.27 |
| D07013-D07011 | 8 | 352 | 0.006 | 6.9 | 5,890.66 | 0.74 | 493 | 491 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 695,715.17 | 3.59 |
| E05171-E05149 | 8 | 72 | 0.014 | 6.2 | 1,594.37 | 0.74 | 517 | 516 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,087,731.13 | 5.61 |
| D14007-D14005 | 8 | 104 | 0.01 | 4.5 | 3,180.51 | 0.74 | 460 | 459 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 905,047.01 | 4.67 |
| E15019-E15017 | 8 | 208 | 0.01 | 16.2 | 3,180.51 | 0.74 | 474 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 905,047.01 | 4.67 |
| G07073-G07057 | 8 | 402 | 0.005 | 10.4 | 6,277.55 | 0.74 | 457 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 651,013.18 | 3.36 |
| E17001-E18007 | 12 | 289 | 0.002 | 11 | 28,552.67 | 0.74 | 519.1 | 518.5 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,239,912.97 | 2.40 |
| H11161-H11159 | 8 | 274 | 0.007 | 5.6 | 3,047.45 | 0.74 | 383 | 381 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 788,546.89 | 4.07 |
| E16073-E16071 | 8 | 255 | 0.016 | 3.7 | 1,985.85 | 0.74 | 488 | 484 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,155,973.06 | 5.96 |
| D13109-D13075 | 8 | 210 | 0.01 | 10.5 | 3,246.52 | 0.74 | 434 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 900,726.95 | 4.65 |
| F15047-F15045 | 8 | 301 | 0.007 | 5.2 | 3,898.98 | 0.74 | 446 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 752,349.36 | 3.88 |
| E07119-E07117 | 8 | 271 | 0.004 | 10.4 | 10,200.25 | 0.74 | 479 | 478 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 560,664.63 | 2.89 |
| D13007-D13005 | 8 | 124 | 0.008 | 6.3 | 4,897.38 | 0.74 | 425 | 424 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 828,851.95 | 4.27 |
| E06029-E06027 | 8 | 269 | 0.004 | 10.5 | 8,562.52 | 0.74 | 491 | 490 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 562,745.03 | 2.90 |
| D10097-D10095 | 8 | 254 | 0.012 | 4.6 | 1,765.44 | 0.74 | 457 | 454 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,003,070.77 | 5.17 |
| J11083-J11079 | 8 | 583 | 0.012 | 13.8 | 2,450.25 | 0.74 | 373 | 366 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,011,352.49 | 5.22 |
| J13001-J14121 | 8 | 294 | 0.002 | 16.4 | 19,625.32 | 0.74 | 336 | 335.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 380,626.61 | 1.96 |
| K08017-K08015 | 12 | 298 | 0.002 | 13.5 | 51,969.62 | 0.74 | 390.49 | 389.78 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,328,267.48 | 2.57 |
| C04083-C04081 | 8 | 165 | 0.036 | 2.2 | 729.87 | 0.74 | 637 | 631 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,760,035.63 | 9.08 |
| G09159-G09125 | 8 | 224 | 0.013 | 9.1 | 2,540.90 | 0.74 | 415.94 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,057,395.51 | 5.45 |
| F08059-F08057 | 8 | 198 | 0.005 | 6.7 | 4,834.28 | 0.74 | 444 | 443 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,926.55 | 3.38 |
| E03253-E03251 | 8 | 191 | 0.01 | 4.9 | 2,391.56 | 0.74 | 540 | 538 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 944,465.55 | 4.87 |
| F12113-F12111 | 8 | 219 | 0.005 | 8.4 | 8,685.77 | 0.74 | 405 | 404 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 623,685.65 | 3.22 |
| E08083-F08131 | 8 | 259 | 0.004 | 14 | 10,134.67 | 0.74 | 459 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 573,505.95 | 2.96 |
| F05099-F05097 | 8 | 286 | 0.01 | 4.2 | 2,391.56 | 0.74 | 518 | 515 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 945,290.77 | 4.88 |
| E08093-F08133 | 8 | 246 | 0.004 | 11.8 | 9,541.59 | 0.74 | 462 | 461 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 588,464.48 | 3.03 |
| F07071-F07069 | 8 | 247 | 0.004 | 9.6 | 9,555.68 | 0.74 | 468 | 467 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,272.05 | 3.03 |
| E07113-E07111 | 8 | 329 | 0.006 | 7.5 | 5,424.82 | 0.74 | 486 | 484 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 719,622.70 | 3.71 |
| E09097-E09095 | 8 | 89 | 0.006 | 8.1 | 4,682.00 | 0.74 | 425 | 424.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 691,795.62 | 3.57 |
| D14121-D14119 | 8 | 71 | 0.014 | 4.9 | 1,984.03 | 0.74 | 473 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,095,364.43 | 5.65 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| F14133-F13085 | 8 | 351 | 0.017 | 3.8 | 1,590.25 | 0.74 | 429 | 422.86 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,220,726.67 | 6.30 |
| F03197-F03195 | 8 | 249 | 0.011 | 4.3 | 2,391.56 | 0.74 | 536.11 | 533.46 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 950,256.26 | 4.90 |
| F05145-F05143 | 8 | 269 | 0.005 | 7.5 | 7,071.77 | 0.74 | 502 | 500.77 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 624,114.43 | 3.22 |
| E11095-E11093 | 8 | 88 | 0.006 | 7.4 | 6,713.66 | 0.74 | 413.5 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 695,715.17 | 3.59 |
| F15039-G15025 | 8 | 322 | 0.006 | 6.6 | 4,909.50 | 0.74 | 441.85 | 440 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 699,593.45 | 3.61 |
| E11115-E11113 | 8 | 237 | 0.008 | 54.6 | 3,967.98 | 0.74 | 419 | 417 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 847,868.76 | 4.37 |
| E03067-E03063 | 6 | 481 | 0.006 | 10.6 | 4,587.60 | 0.75 | 577 | 574 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 338,458.89 | 2.62 |
| D17059-D17057 | 12 | 180 | 0.001 | 19 | 79,850.87 | 0.75 | 511.25 | 511 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,014,140.79 | 1.96 |
| D12053-D12047 | 8 | 175 | 0.007 | 9 | 5,315.85 | 0.75 | 441.55 | 440.3 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 780,052.42 | 4.02 |
| F13137-F13135 | 8 | 243 | 0.008 | 5.4 | 3,846.68 | 0.75 | 413 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 837,335.82 | 4.32 |
| E07131-E07129 | 8 | 247 | 0.004 | 9.2 | 9,062.18 | 0.75 | 478 | 477 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,272.05 | 3.03 |
| F03011-F03009 | 8 | 352 | 0.011 | 4 | 2,370.08 | 0.75 | 524 | 520 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 983,889.83 | 5.07 |
| G05027-G05009 | 8 | 297 | 0.017 | 9.8 | 3,348.44 | 0.75 | 478 | 473 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,197,552.56 | 6.18 |
| D19011-D19009 | 8 | 300 | 0.006 | 7.8 | 8,613.11 | 0.75 | 558.01 | 556.26 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 703,758.39 | 3.63 |
| G08105-G08103 | 8 | 68 | 0.004 | 10.1 | 11,570.06 | 0.75 | 426.64 | 426.4 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 548,326.17 | 2.83 |
| E12121-E12119 | 8 | 137 | 0.007 | 6.4 | 4,755.42 | 0.75 | 412 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 788,546.89 | 4.07 |
| E12131-E12129 | 8 | 209 | 0.005 | 8.7 | 8,676.94 | 0.75 | 407 | 406 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 638,432.03 | 3.29 |
| C01036-C01034 | 8 | 300 | 0.014 | 3.8 | 2,856.53 | 0.75 | 666.74 | 662.49 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,096,728.24 | 5.66 |
| E19004-E19003 | 8 | 300 | 0.004 | 8.6 | 8,746.40 | 0.75 | 562.39 | 561.16 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 590,006.93 | 3.04 |
| J11093-J11091 | 8 | 191 | 0.005 | 8.9 | 8,440.51 | 0.75 | 373 | 372 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 667,838.00 | 3.44 |
| D01071-D01069 | 8 | 224 | 0.005 | 8.5 | 5,473.44 | 0.75 | 607.64 | 606.45 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 672,724.55 | 3.47 |
| D07141-D08071 | 8 | 246 | 0.004 | 9.1 | 10,036.15 | 0.75 | 487 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 588,464.48 | 3.03 |
| G13017-G13011 | 8 | 135 | 0.006 | 5.7 | 4,245.64 | 0.75 | 396.77 | 396 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 697,053.78 | 3.60 |
| C01030-C01028 | 8 | 266.6 | 0.014 | 3.9 | 3,165.53 | 0.75 | 655.93 | 652.11 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,101,925.14 | 5.68 |
| E04163-F04175 | 8 | 186 | 0.011 | 4.9 | 2,391.56 | 0.75 | 536 | 534 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 957,075.80 | 4.94 |
| F15051-F15049 | 8 | 308 | 0.01 | 4.5 | 2,352.68 | 0.75 | 450 | 447 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 910,904.98 | 4.70 |
| F12093-F12091 | 8 | 257 | 0.004 | 9.9 | 11,014.00 | 0.75 | 405 | 404 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 575,733.16 | 2.97 |
| E10027-E09099 | 8 | 185 | 0.005 | 6 | 4,693.88 | 0.75 | 429 | 428 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 678,581.39 | 3.50 |
| F16051-F16019 | 8 | 218 | 0.005 | 20.2 | 9,458.71 | 0.75 | 486 | 485 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 625,114.48 | 3.22 |
| E04117-F04105 | 8 | 240 | 0.013 | 5 | 1,992.96 | 0.75 | 533 | 530 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,031,912.36 | 5.32 |
| E18013-E18011 | 8 | 172 | 0.026 | 2.2 | 1,192.69 | 0.75 | 534.5 | 530 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,492,896.98 | 7.70 |
| E11075-E11073 | 10 | 288 | 0.003 | 38.9 | 20,850.82 | 0.75 | 410 | 409.23 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 865,293.87 | 2.68 |
| D16047-D16043 | 8 | 160 | 0.009 | 6.5 | 3,578.07 | 0.75 | 496 | 494.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 893,662.32 | 4.61 |
| G12057-G12055 | 8 | 333 | 0.006 | 6.3 | 4,175.29 | 0.75 | 383 | 381 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 715,287.59 | 3.69 |
| E11051-E11047 | 8 | 195 | 0.005 | 7.6 | 7,239.63 | 0.75 | 423 | 422 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 660,952.88 | 3.41 |
| D07149-D07147 | 8 | 231 | 0.009 | 4.4 | 3,126.32 | 0.75 | 507 | 505 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 858,809.45 | 4.43 |
| K08019-K08017 | 12 | 300 | 0.002 | 13.6 | 52,120.80 | 0.75 | 391.19 | 390.49 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,314,476.69 | 2.54 |
| D12017-D12011 | 8 | 401 | 0.012 | 12.5 | 2,390.81 | 0.75 | 426 | 421 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,030,624.88 | 5.32 |
| E04149-E04147 | 8 | 159 | 0.013 | 4.8 | 1,992.96 | 0.75 | 538 | 536 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,035,152.28 | 5.34 |
| F09127-F09125 | 8 | 233 | 0.009 | 4.9 | 2,684.99 | 0.75 | 433 | 431 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 855,115.63 | 4.41 |
| E16085-E16083 | 8 | 299 | 0.003 | 11.1 | 12,365.99 | 0.75 | 502 | 501 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 533,767.61 | 2.75 |
| E08079-E08077 | 12 | 383 | 0.005 | 7.7 | 8,741.80 | 0.75 | 460 | 458 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,966,437.32 | 3.80 |
| F14013-F14011 | 8 | 209 | 0.014 | 3.6 | 1,563.90 | 0.75 | 443 | 440 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,105,796.70 | 5.70 |
| F05001-F06157 | 10 | 302 | 0.003 | 8 | 12,758.30 | 0.75 | 498 | 497 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 962,966.19 | 2.98 |
| D02073-D02071 | 8 | 280 | 0.007 | 5.6 | 4,740.04 | 0.75 | 618 | 616 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 780,052.42 | 4.02 |
| H12055-H12019 | 8 | 406 | 0.01 | 32.9 | 2,133.47 | 0.75 | 373 | 368.87 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 930,893.11 | 4.80 |
| C06049-D06041 | 8 | 224 | 0.018 | 4.1 | 1,437.81 | 0.75 | 573 | 569 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,233,371.17 | 6.36 |
| C07055-C07053 | 8 | 298 | 0.007 | 10.8 | 5,141.75 | 0.75 | 515 | 513 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 756,126.87 | 3.90 |
| G14091-G14089 | 8 | 295 | 0.01 | 4.1 | 2,134.90 | 0.75 | 418 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 930,759.39 | 4.80 |
| F07107-F07105 | 8 | 331 | 0.003 | 12.5 | 14,802.38 | 0.75 | 481 | 480 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 507,310.45 | 2.62 |
| F03185-F03183 | 8 | 259 | 0.004 | 9.2 | 8,633.28 | 0.75 | 531.52 | 530.47 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,668.72 | 3.03 |
| E13055-E13047 | 8 | 238 | 0.008 | 6.2 | 3,964.65 | 0.75 | 421 | 419 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 846,085.64 | 4.36 |
| F07123-F07121 | 8 | 194 | 0.003 | 13.5 | 17,205.08 | 0.75 | 477 | 476.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 468,567.26 | 2.42 |
| D08101-E08063 | 8 | 324 | 0.003 | 14.4 | 11,518.89 | 0.75 | 468 | 467 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 512,761.37 | 2.64 |
| G07065-G07063 | 8 | 209 | 0.01 | 5.9 | 3,163.02 | 0.75 | 461 | 459 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 902,879.23 | 4.66 |
| F06093-F06091 | 8 | 67 | 0.01 | 4.6 | 3,616.81 | 0.76 | 494.79 | 494.14 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 909,090.43 | 4.69 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| E07105-E07103 | 8 | 246 | 0.008 | 6.3 | 4,230.84 | 0.76 | 485 | 483 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 832,214.45 | 4.29 |
| E14033-E14031 | 8 | 191 | 0.005 | 8.5 | 7,136.13 | 0.76 | 453 | 452 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 667,838.00 | 3.44 |
| E16089-E16085 | 8 | 288 | 0.007 | 8.3 | 5,538.66 | 0.76 | 504 | 502 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 769,142.06 | 3.97 |
| E08011-E08009 | 8 | 310 | 0.013 | 3.6 | 1,752.88 | 0.76 | 459 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,048,424.00 | 5.41 |
| C07089-C07087 | 8 | 383 | 0.031 | 7.4 | 662.21 | 0.76 | 534 | 522 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,633,725.33 | 8.43 |
| H12075-H12073 | 8 | 359 | 0.007 | 7.1 | 5,453.83 | 0.76 | 367.54 | 365 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 776,349.79 | 4.00 |
| E12119-E12115 | 8 | 187 | 0.005 | 8.5 | 7,131.77 | 0.76 | 411 | 410 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 674,942.85 | 3.48 |
| D16077-D16075 | 8 | 194 | 0.005 | 8.4 | 7,095.84 | 0.76 | 482 | 481 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 662,654.18 | 3.42 |
| E16051-E16049 | 8 | 276 | 0.014 | 4.2 | 1,987.82 | 0.76 | 486 | 482 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,111,125.88 | 5.73 |
| F14127-F14051 | 6 | 200 | 0.015 | 30.6 | 1,984.33 | 0.76 | 427 | 424 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 524,884.17 | 4.06 |
| G10065-G10063 | 8 | 281 | 0.004 | 10.6 | 7,676.42 | 0.76 | 398 | 397 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 550,598.02 | 2.84 |
| K14003-K14001 | 8 | 305 | 0.003 | 11.3 | 10,868.11 | 0.76 | 325 | 324 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 528,491.35 | 2.73 |
| H11045-H11043 | 8 | 371 | 0.008 | 4.8 | 3,278.26 | 0.76 | 383 | 380 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 829,968.25 | 4.28 |
| G13007-G13005 | 8 | 187 | 0.011 | 5.6 | 2,093.43 | 0.76 | 395 | 393 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 954,513.34 | 4.92 |
| K15029-K15027 | 8 | 344 | 0.006 | 10.1 | 5,074.52 | 0.76 | 322 | 320 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 703,758.39 | 3.63 |
| G08133-H08029 | 6 | 405 | 0.002 | 17.7 | 14,620.21 | 0.76 | 431 | 430 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 212,956.22 | 1.65 |
| E04055-E04053 | 8 | 408 | 0.007 | 6.5 | 4,587.60 | 0.76 | 554 | 551 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 791,440.65 | 4.08 |
| D04019-D05067 | 8 | 284 | 0.007 | 8.3 | 5,101.74 | 0.76 | 602 | 600 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 774,539.61 | 3.99 |
| F08051-F08049 | 8 | 392 | 0.003 | 10.6 | 11,054.49 | 0.76 | 447 | 446 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 466,170.49 | 2.40 |
| E18093-E18091 | 8 | 201 | 0.005 | 7.9 | 8,300.61 | 0.76 | 534 | 533 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 651,013.18 | 3.36 |
| F07121-F07119 | 8 | 199 | 0.003 | 13.8 | 18,887.46 | 0.76 | 476.5 | 476 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 462,643.29 | 2.39 |
| C07037-C07035 | 8 | 159 | 0.019 | 2.9 | 1,318.95 | 0.76 | 524 | 521 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,267,797.45 | 6.54 |
| G09091-G09075 | 8 | 256 | 0.003 | 12.8 | 9,258.48 | 0.76 | 401.8 | 401 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 515,956.18 | 2.66 |
| L13103-L13019 | 10 | 309 | 0.003 | 100 | 336,263.55 | 0.76 | 325 | 324 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 951,996.32 | 2.95 |
| E18091-E18089 | 8 | 190 | 0.005 | 8 | 8,280.54 | 0.76 | 533 | 532 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 669,593.16 | 3.45 |
| F07095-F07093 | 8 | 262 | 0.003 | 12.2 | 15,362.37 | 0.76 | 479.8 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 510,014.07 | 2.63 |
| F17045-F17043 | 8 | 259 | 0.003 | 12.3 | 16,080.12 | 0.76 | 518.55 | 517.65 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 544,075.51 | 2.81 |
| F06151-F06149 | 8 | 224 | 0.004 | 10.4 | 8,391.41 | 0.76 | 492 | 491 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 616,685.59 | 3.18 |
| E15087-E15085 | 8 | 394 | 0.008 | 6.7 | 4,759.68 | 0.76 | 473 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 805,379.04 | 4.15 |
| D03111-E03061 | 8 | 340 | 0.015 | 3.8 | 1,966.11 | 0.76 | 583 | 578 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,119,266.10 | 5.77 |
| G14017-G14015 | 8 | 361 | 0.011 | 3.8 | 2,341.71 | 0.76 | 426 | 422 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 971,547.87 | 5.01 |
| E05155-E05151 | 8 | 343 | 0.017 | 6 | 1,594.37 | 0.76 | 524 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,220,720.88 | 6.30 |
| G07029-G07027 | 8 | 225 | 0.004 | 8.4 | 9,020.49 | 0.76 | 449 | 448 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 615,313.65 | 3.17 |
| E12129-E12127 | 8 | 229 | 0.004 | 9.2 | 10,644.98 | 0.76 | 406 | 405 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 609,916.06 | 3.15 |
| J11163-J12081 | 12 | 272 | 0.006 | 5.2 | 8,214.25 | 0.76 | 362 | 360.44 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,060,830.84 | 3.99 |
| G05021-G05011 | 8 | 287 | 0.017 | 9.5 | 3,795.53 | 0.77 | 479 | 474 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,218,237.21 | 6.28 |
| C07059-C07057 | 8 | 252 | 0.012 | 4.2 | 2,627.21 | 0.77 | 521 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,007,043.35 | 5.19 |
| D18051-D18049 | 12 | 300 | 0.008 | 4.7 | 10,124.50 | 0.77 | 531.7 | 529.31 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,424,823.88 | 4.69 |
| G10033-G10031 | 8 | 222 | 0.005 | 19.2 | 5,990.24 | 0.77 | 400 | 399 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 619,457.22 | 3.19 |
| F03163-F03085 | 8 | 20 | 0.05 | 26.1 | 398.59 | 0.77 | 526 | 525 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,063,824.72 | 10.64 |
| F04191-F04141 | 8 | 20 | 0.05 | 23.1 | 398.59 | 0.77 | 519 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,063,824.72 | 10.64 |
| F12091-F12089 | 8 | 259 | 0.004 | 10.5 | 12,572.63 | 0.77 | 404 | 403 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 573,505.95 | 2.96 |
| E07129-E07127 | 8 | 267 | 0.004 | 10.7 | 11,393.39 | 0.77 | 477 | 476 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 564,848.76 | 2.91 |
| E08025-E08023 | 15 | 342 | 0.007 | 2.7 | 5,141.57 | 0.77 | 453.5 | 451 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,218,403.81 | 5.44 |
| C04053-C04027 | 8 | 120 | 0.008 | 8.5 | 4,372.27 | 0.77 | 657 | 656 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 842,552.91 | 4.35 |
| C04077-C04075 | 8 | 298 | 0.017 | 3 | 1,823.36 | 0.77 | 637 | 632 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,195,541.56 | 6.17 |
| D08091-D08089 | 8 | 332 | 0.009 | 4.3 | 2,823.53 | 0.77 | 470 | 467 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 877,363.16 | 4.52 |
| D09083-D09081 | 8 | 197 | 0.005 | 12.1 | 5,396.64 | 0.77 | 455 | 454 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 657,589.23 | 3.39 |
| C02069-C02067 | 8 | 200 | 0.01 | 5 | 3,645.46 | 0.77 | 634 | 632 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 922,970.47 | 4.76 |
| D11029-D11027 | 8 | 211 | 0.004 | 10.9 | 6,966.42 | 0.77 | 474.72 | 473.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 609,453.38 | 3.14 |
| H13083-H13065 | 8 | 382 | 0.013 | 5.7 | 1,620.73 | 0.77 | 377 | 372 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,055,944.59 | 5.45 |
| E03081-E03079 | 8 | 266 | 0.015 | 4.2 | 1,966.11 | 0.77 | 560 | 556 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,131,819.01 | 5.84 |
| F13021-F13019 | 8 | 257 | 0.012 | 4.3 | 1,971.11 | 0.77 | 406 | 403 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 997,199.09 | 5.14 |
| F03001-G03017 | 8 | 342 | 0.012 | 4.5 | 2,391.56 | 0.77 | 511 | 507 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 998,170.54 | 5.15 |
| E18095-E18093 | 8 | 179 | 0.011 | 6 | 3,171.98 | 0.77 | 536 | 534 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 975,610.10 | 5.03 |
| J08033-J08031 | 10 | 188 | 0.003 | 16 | 42,783.71 | 0.77 | 395.36 | 394.87 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 854,345.67 | 2.64 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| E11027-E11025 | 8 | 407 | 0.01 | 5.7 | 3,700.20 | 0.77 | 414 | 410 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 914,998.96 | 4.72 |
| F14099-F14097 | 8 | 219 | 0.014 | 4.1 | 2,382.02 | 0.77 | 445 | 442 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,080,255.23 | 5.57 |
| L14079-L14075 | 8 | 171 | 0.003 | 12.2 | 11,555.66 | 0.77 | 314 | 313.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 499,085.27 | 2.57 |
| D15043-D15039 | 8 | 155 | 0.019 | 3.1 | 1,590.25 | 0.77 | 464 | 461 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,284,051.92 | 6.62 |
| E05163-E05161 | 8 | 74 | 0.014 | 4.2 | 1,992.96 | 0.77 | 524 | 523 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,072,931.38 | 5.53 |
| L13037-L13035 | 8 | 128 | 0.004 | 9 | 9,737.49 | 0.77 | 332 | 331.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| D07041-D07039 | 8 | 275 | 0.011 | 4 | 2,850.99 | 0.77 | 498 | 495 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 964,011.22 | 4.97 |
| J11165-J11163 | 12 | 318 | 0.013 | 3.5 | 3,161.83 | 0.77 | 366 | 362 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,051,974.73 | 5.90 |
| E14047-E14109 | 8 | 329 | 0.015 | 4.4 | 1,987.82 | 0.77 | 449 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,137,823.40 | 5.87 |
| G10029-G10027 | 8 | 110 | 0.009 | 15.1 | 2,800.74 | 0.77 | 399 | 398 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 880,017.82 | 4.54 |
| D04049-E04013 | 8 | 563 | 0.012 | 4.8 | 2,621.48 | 0.77 | 564 | 557 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,029,159.36 | 5.31 |
| E14031-E14029 | 8 | 255 | 0.004 | 9.9 | 11,092.68 | 0.77 | 452 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 577,986.53 | 2.98 |
| K08021-K08019 | 12 | 204 | 0.002 | 13.6 | 52,216.74 | 0.77 | 391.67 | 391.19 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,319,988.15 | 2.55 |
| G08037-G08035 | 8 | 247 | 0.008 | 5.3 | 3,223.69 | 0.77 | 437 | 435 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 830,528.10 | 4.28 |
| E04007-E04005 | 6 | 150 | 0.02 | 4.7 | 1,310.74 | 0.77 | 557 | 554 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 606,084.03 | 4.69 |
| D02009-D02007 | 8 | 234 | 0.009 | 6.5 | 4,092.38 | 0.77 | 601 | 599 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 853,286.50 | 4.40 |
| G04127-G04111 | 8 | 300 | 0.003 | 11.6 | 13,158.31 | 0.77 | 494 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 532,877.25 | 2.75 |
| G09109-G09107 | 8 | 95 | 0.005 | 6.6 | 5,366.19 | 0.77 | 404 | 403.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 669,593.16 | 3.45 |
| K09013-K09011 | 12 | 300 | 0.003 | 12.7 | 51,628.17 | 0.77 | 389.08 | 388.16 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,506,946.33 | 2.91 |
| D12055-D12053 | 8 | 39 | 0.008 | 5.8 | 5,318.15 | 0.78 | 441.86 | 441.55 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 822,879.70 | 4.24 |
| G07003-G07001 | 8 | 397 | 0.01 | 5.4 | 3,643.99 | 0.78 | 452 | 448 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 926,451.20 | 4.78 |
| E02065-E02064 | 8 | 269 | 0.007 | 7.8 | 4,771.42 | 0.78 | 561.39 | 559.45 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 783,813.13 | 4.04 |
| D16073-E16009 | 8 | 289 | 0.003 | 10.8 | 13,233.01 | 0.78 | 480 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 542,923.81 | 2.80 |
| G09079-G09077 | 8 | 160 | 0.006 | 8.5 | 4,298.68 | 0.78 | 403 | 402 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 729,672.23 | 3.76 |
| E13083-E13081 | 8 | 243 | 0.008 | 6 | 4,755.18 | 0.78 | 433 | 431 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 837,335.82 | 4.32 |
| C03005-C03003 | 8 | 237 | 0.021 | 3 | 1,406.08 | 0.78 | 654 | 649 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,340,598.21 | 6.91 |
| D01069-D01067 | 8 | 362 | 0.003 | 10.6 | 11,850.45 | 0.78 | 606.45 | 605.36 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 506,461.89 | 2.61 |
| F04035-F04033 | 8 | 301 | 0.01 | 4.6 | 3,535.34 | 0.78 | 511 | 508 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 921,436.02 | 4.75 |
| F01013-F01011 | 8 | 113 | 0.006 | 7.3 | 7,359.39 | 0.78 | 526.76 | 526.09 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 710,699.46 | 3.67 |
| E05129-F05085 | 8 | 262 | 0.008 | 5.5 | 4,346.56 | 0.78 | 522 | 520 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 806,403.05 | 4.16 |
| P-5579 | 8 | 0 | 0.002 | 24.4 | 46,551.68 | 0.78 | 509.99 | 509 | | 0.3 | 358,431.20 | 1.85 |
| J08031-J08029 | 10 | 190 | 0.003 | 15.3 | 42,847.28 | 0.78 | 395.85 | 395.36 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 849,837.22 | 2.63 |
| E14107-E14105 | 8 | 324 | 0.006 | 6.8 | 6,725.89 | 0.78 | 442 | 439.98 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 728,770.84 | 3.76 |
| J12021-J12013 | 21 | 297 | 0 | 47.6 | 791,786.49 | 0.78 | 359.06 | 359 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 1,720,138.28 | 1.11 |
| F04049-F04047 | 8 | 327 | 0.009 | 6 | 3,562.70 | 0.78 | 512 | 509 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 884,045.38 | 4.56 |
| E18047-E18019 | 8 | 103 | 0.005 | 10.7 | 10,092.97 | 0.78 | 522 | 521.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 643,064.00 | 3.32 |
| D04109-D04107 | 8 | 171 | 0.029 | 4.1 | 1,126.99 | 0.78 | 588 | 583 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,578,246.21 | 8.14 |
| H12069-J12045 | 8 | 353 | 0.006 | 10.8 | 9,299.70 | 0.78 | 363 | 361 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 694,729.04 | 3.58 |
| F03179-F03177 | 8 | 262 | 0.004 | 9.6 | 10,223.03 | 0.78 | 538 | 537 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 570,213.06 | 2.94 |
| H10003-H10001 | 12 | 700 | 0.001 | 16.2 | 58,832.91 | 0.78 | 383 | 382 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,028,526.48 | 1.99 |
| D14029-D14027 | 8 | 219 | 0.005 | 9 | 9,509.48 | 0.78 | 450 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 623,685.65 | 3.22 |
| F02090-F03155 | 8 | 296 | 0.005 | 19.4 | 6,958.73 | 0.78 | 541.46 | 540 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 659,449.01 | 3.40 |
| C02041-C02013 | 8 | 254 | 0.004 | 16.9 | 15,295.83 | 0.78 | 633.02 | 632 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 584,885.74 | 3.02 |
| K14039-K14037 | 8 | 224 | 0.002 | 14.2 | 19,118.20 | 0.78 | 326.5 | 326 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 436,062.56 | 2.25 |
| F07069-F07067 | 8 | 263 | 0.004 | 23.3 | 12,492.42 | 0.78 | 467 | 466 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 569,127.97 | 2.94 |
| F09003-F09001 | 8 | 355 | 0.008 | 5.1 | 4,027.16 | 0.78 | 421.69 | 419 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 803,433.19 | 4.14 |
| J11139-J11087 | 8 | 112 | 0.009 | 12.9 | 4,971.00 | 0.78 | 370 | 369 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 872,125.12 | 4.50 |
| E06071-E06069 | 8 | 259 | 0.008 | 6.7 | 4,313.44 | 0.78 | 517 | 515 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 811,059.89 | 4.18 |
| H04035-H04029 | 8 | 253 | 0.008 | 8.5 | 10,467.26 | 0.78 | 472 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 820,620.84 | 4.23 |
| E06103-E06101 | 8 | 181 | 0.011 | 5.6 | 2,875.62 | 0.78 | 498 | 496 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 970,205.02 | 5.00 |
| C10015-C10013 | 8 | 270 | 0.007 | 7.4 | 3,794.63 | 0.78 | 459 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 794,366.50 | 4.10 |
| E17013-E17011 | 8 | 240 | 0.004 | 10.3 | 10,800.86 | 0.78 | 506 | 505 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 595,774.88 | 3.07 |
| F03005-G03047 | 8 | 254 | 0.008 | 9.5 | 4,687.49 | 0.78 | 515 | 513 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 819,003.86 | 4.22 |
| E16083-E16081 | 8 | 303 | 0.003 | 12.4 | 15,100.81 | 0.78 | 501 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 530,232.68 | 2.73 |
| E17036-F17045 | 8 | 259 | 0.004 | 11.8 | 16,114.91 | 0.78 | 519.46 | 518.55 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 547,089.80 | 2.82 |
| E11151-E11061 | 8 | 326 | 0.003 | 50.1 | 19,001.60 | 0.78 | 403 | 402.16 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 468,509.77 | 2.42 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| K08023-K08021 | 12 | 205 | 0.002 | 13.6 | 52,306.45 | 0.78 | 392.15 | 391.67 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,316,764.73 | 2.55 |
| J12069-J12065 | 8 | 263 | 0.008 | 15.2 | 5,837.10 | 0.78 | 364 | 362 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 804,868.50 | 4.15 |
| F08065-F08063 | 8 | 226 | 0.004 | 8.4 | 7,507.81 | 0.78 | 440 | 439 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 613,950.83 | 3.17 |
| G05015-G05013 | 8 | 317 | 0.013 | 8.5 | 6,068.46 | 0.78 | 480 | 476 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,036,783.73 | 5.35 |
| L14033-L14031 | 8 | 321 | 0.006 | 6.2 | 5,235.10 | 0.78 | 318 | 316 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 728,534.78 | 3.76 |
| H06041-H06029 | 8 | 217 | 0.008 | 5.3 | 4,487.95 | 0.78 | 447 | 445.25 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 828,851.95 | 4.27 |
| G07015-F07021 | 8 | 303 | 0.007 | 10.2 | 6,025.75 | 0.79 | 458 | 456 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 749,862.25 | 3.87 |
| G13129-G13123 | 8 | 100 | 0.02 | 3.8 | 1,080.49 | 0.79 | 380 | 378 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,305,277.36 | 6.73 |
| F07153-F07151 | 8 | 317 | 0.009 | 5.9 | 3,648.36 | 0.79 | 466 | 463 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 897,881.05 | 4.63 |
| J14121-J14119 | 8 | 296 | 0.002 | 18.6 | 25,065.62 | 0.79 | 335.5 | 335 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 379,338.53 | 1.96 |
| E14095-E14093 | 8 | 250 | 0.004 | 12.5 | 11,856.55 | 0.79 | 436 | 434.98 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 589,546.26 | 3.04 |
| E06097-E06095 | 8 | 310 | 0.006 | 7.3 | 5,751.25 | 0.79 | 495 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 741,347.72 | 3.82 |
| J11109-J11107 | 8 | 30 | 0.011 | 5.5 | 4,018.49 | 0.79 | 376.12 | 375.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 953,239.80 | 4.92 |
| G04135-G05107 | 8 | 311 | 0.006 | 10.2 | 5,871.28 | 0.79 | 500 | 498 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 740,154.89 | 3.82 |
| F14119-F14117 | 8 | 252 | 0.012 | 4.6 | 3,171.72 | 0.79 | 447 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,007,043.35 | 5.19 |
| E13007-E12037 | 8 | 304 | 0.003 | 11.8 | 15,556.32 | 0.79 | 419 | 418 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 529,359.87 | 2.73 |
| D04119-D04117 | 6 | 121 | 0.017 | 4.3 | 1,899.47 | 0.79 | 572 | 570 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 550,985.48 | 4.26 |
| H11091-J11043 | 8 | 340 | 0.003 | 11.3 | 11,632.99 | 0.79 | 381 | 380 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 500,551.02 | 2.58 |
| E17015-E17013 | 8 | 251 | 0.004 | 9.5 | 10,841.52 | 0.79 | 507 | 506 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 582,573.80 | 3.00 |
| F13017-F13013 | 8 | 261 | 0.008 | 5.3 | 4,044.07 | 0.79 | 402 | 400 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 807,946.40 | 4.17 |
| E05041-E05039 | 8 | 421 | 0.005 | 9.9 | 9,131.84 | 0.79 | 534 | 532 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 636,153.26 | 3.28 |
| E09001-F09043 | 8 | 365 | 0.003 | 11.5 | 11,816.98 | 0.79 | 443 | 442 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 483,104.82 | 2.49 |
| D09009-E09041 | 8 | 301 | 0.007 | 5.6 | 4,417.43 | 0.79 | 446 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 752,349.36 | 3.88 |
| E14055-E14053 | 8 | 333 | 0.009 | 6.3 | 4,368.43 | 0.79 | 448 | 445 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 876,044.80 | 4.52 |
| E09011-E09009 | 10 | 406 | 0.002 | 32.9 | 20,376.21 | 0.79 | 434 | 433 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 830,522.67 | 2.57 |
| G08125-G08123 | 8 | 328 | 0.003 | 12.5 | 15,244.94 | 0.79 | 439 | 438 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 509,625.19 | 2.63 |
| D07047-D07041 | 8 | 379 | 0.018 | 3.4 | 1,756.91 | 0.79 | 505 | 498 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,254,345.63 | 6.47 |
| F12089-F12087 | 8 | 252 | 0.004 | 10.8 | 14,130.29 | 0.79 | 403 | 402 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 581,416.75 | 3.00 |
| G07005-G07003 | 8 | 55 | 0.018 | 3.7 | 1,824.18 | 0.79 | 453 | 452 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,244,533.13 | 6.42 |
| J11045-J11029 | 8 | 296 | 0.003 | 29.7 | 11,246.52 | 0.79 | 377 | 376 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 536,465.69 | 2.77 |
| G03045-G03043 | 8 | 158 | 0.013 | 8.6 | 2,391.56 | 0.79 | 513 | 511 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,038,422.91 | 5.36 |
| H14027-H14025 | 8 | 36 | 0.003 | 9.8 | 10,752.70 | 0.79 | 395.01 | 394.89 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 532,877.25 | 2.75 |
| E17059-E17057 | 8 | 198 | 0.005 | 7.9 | 8,345.97 | 0.79 | 524 | 523 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,926.55 | 3.38 |
| E16069-E16067 | 8 | 254 | 0.007 | 6.7 | 5,708.57 | 0.79 | 501.73 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 761,717.62 | 3.93 |
| E11141-E11111 | 8 | 306 | 0.007 | 45.3 | 6,347.56 | 0.79 | 418 | 416 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 746,177.40 | 3.85 |
| E04125-E04123 | 8 | 116 | 0.009 | 6 | 4,312.59 | 0.79 | 530 | 529 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 856,956.57 | 4.42 |
| F13095-F13093 | 8 | 254 | 0.008 | 5.9 | 5,501.91 | 0.79 | 412 | 410 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 819,003.86 | 4.22 |
| D16041-D16039 | 8 | 130 | 0.008 | 7.8 | 5,168.32 | 0.79 | 495 | 494 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 809,498.65 | 4.17 |
| D01043-D01041 | 8 | 297 | 0.013 | 4.4 | 2,554.53 | 0.79 | 632 | 628 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,071,123.58 | 5.52 |
| E14029-E14027 | 8 | 252 | 0.004 | 10.3 | 12,646.04 | 0.79 | 451 | 450 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 581,416.75 | 3.00 |
| G04109-G04107 | 12 | 299 | 0.007 | 4.2 | 7,388.47 | 0.79 | 504 | 502 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,225,583.55 | 4.30 |
| E05063-E05061 | 8 | 442 | 0.011 | 5.4 | 3,276.85 | 0.79 | 537 | 532 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 981,661.31 | 5.06 |
| F13135-F13133 | 8 | 255 | 0.008 | 6.8 | 5,423.09 | 0.79 | 411 | 409 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 817,396.39 | 4.22 |
| E09053-E09051 | 8 | 216 | 0.009 | 4.3 | 3,057.17 | 0.79 | 444 | 442 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 888,128.75 | 4.58 |
| J15027-J15025 | 8 | 105 | 0.01 | 5.4 | 3,323.35 | 0.79 | 333 | 332 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 900,726.95 | 4.65 |
| J11125-J11119 | 8 | 321 | 0.003 | 13.4 | 16,325.33 | 0.79 | 377 | 376 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 515,151.88 | 2.66 |
| K14067-K14065 | 8 | 253 | 0.004 | 9.7 | 10,002.48 | 0.79 | 333 | 332 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 580,266.56 | 2.99 |
| G05011-G05009 | 8 | 260 | 0.004 | 15.3 | 27,362.84 | 0.79 | 474 | 473 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 572,401.99 | 2.95 |
| E11013-D11055 | 8 | 116 | 0.009 | 5.2 | 3,224.60 | 0.8 | 433 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 856,956.57 | 4.42 |
| E04103-E04101 | 8 | 335 | 0.006 | 7.3 | 7,177.23 | 0.8 | 556 | 554 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 713,149.20 | 3.68 |
| F07043-F07041 | 8 | 210 | 0.014 | 5.8 | 2,432.24 | 0.8 | 467 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,103,160.71 | 5.69 |
| G08103-G09151 | 8 | 136 | 0.004 | 9.7 | 11,626.71 | 0.8 | 426.4 | 425.82 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 602,743.24 | 3.11 |
| E18033-E18029 | 8 | 189 | 0.021 | 3.9 | 1,590.25 | 0.8 | 540 | 536 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,342,724.46 | 6.93 |
| F05085-F05083 | 8 | 262 | 0.008 | 6.9 | 5,101.36 | 0.8 | 520 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 806,403.05 | 4.16 |
| D09011-D09009 | 8 | 286 | 0.014 | 4.3 | 1,854.81 | 0.8 | 450 | 446 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,091,527.76 | 5.63 |
| F08063-G08023 | 8 | 260 | 0.004 | 9.9 | 9,645.71 | 0.8 | 439 | 438 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 572,401.99 | 2.95 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|---|------------------------|----------------|-----------------------------|
| E18103-E18093 | 8 | 94 | 0.011 | 6.4 | 4,345.75 | 0.8 | 535 | 534 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 951,971.35 | 4.91 |
| G04133-G04131 | 8 | 311 | 0.006 | 6.8 | 6,600.05 | 0.8 | 501 | 499 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 740,154.89 | 3.82 |
| L13035-L13031 | 8 | 112 | 0.004 | 8.7 | 9,574.83 | 0.8 | 331.5 | 331 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 616,685.59 | 3.18 |
| E06107-E06105 | 8 | 257 | 0.012 | 5.6 | 2,875.62 | 0.8 | 500 | 497 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 997,199.09 | 5.14 |
| F12137-F12135 | 8 | 248 | 0.004 | 10.7 | 14,057.09 | 0.8 | 402 | 401 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 586,086.84 | 3.02 |
| H10001-J10007 | 12 | 610 | 0.002 | 22 | 61,680.93 | 0.8 | 382 | 381 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,101,791.91 | 2.13 |
| H13025-H13023 | 8 | 141 | 0.002 | 15 | 18,652.12 | 0.8 | 372.6 | 372.3 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 425,734.53 | 2.20 |
| D03091-D03089 | 8 | 307 | 0.013 | 4.3 | 2,914.95 | 0.8 | 598 | 594 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,053,534.14 | 5.43 |
| H11085-J11037 | 8 | 321 | 0.003 | 11.3 | 11,413.50 | 0.8 | 379 | 378 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 515,151.88 | 2.66 |
| C02055-C02051 | 8 | 252 | 0.016 | 4.1 | 2,187.83 | 0.8 | 646 | 642 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,162,833.49 | 6.00 |
| E12051-E12049 | 8 | 328 | 0.003 | 22.9 | 17,672.10 | 0.8 | 417 | 416 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 509,625.19 | 2.63 |
| C03035-C04069 | 8 | 246 | 0.016 | 3.2 | 2,185.40 | 0.8 | 689 | 685 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,176,928.96 | 6.07 |
| J11061-H11115 | 8 | 563 | 0.008 | 14.6 | 3,762.04 | 0.8 | 374.38 | 370 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 814,086.71 | 4.20 |
| E17057-E17055 | 8 | 186 | 0.005 | 8.2 | 8,321.41 | 0.8 | 523 | 521.98 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 683,488.83 | 3.53 |
| H07021-H07019 | 8 | 287 | 0.016 | 6.9 | 1,738.17 | 0.8 | 445 | 440.31 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,179,867.61 | 6.09 |
| D02061-D02059 | 8 | 197 | 0.005 | 14.2 | 9,802.94 | 0.8 | 610 | 609 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 657,589.23 | 3.39 |
| G04059-G04057 | 8 | 253 | 0.008 | 9.2 | 11,872.02 | 0.8 | 488 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 820,620.84 | 4.23 |
| F12127-F12125 | 8 | 215 | 0.005 | 9.5 | 11,823.30 | 0.8 | 406 | 405 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 629,460.64 | 3.25 |
| G10043-G10041 | 8 | 131 | 0.004 | 8.9 | 9,355.27 | 0.8 | 402 | 401.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 570,213.06 | 2.94 |
| H05063-H05001 | 8 | 176 | 0.011 | 15.9 | 3,344.16 | 0.8 | 445 | 443 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 983,889.83 | 5.07 |
| J06093-J06091 | 8 | 106 | 0.035 | 2.1 | 820.44 | 0.8 | 434.39 | 430.66 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,731,367.62 | 8.93 |
| E03121-E03119 | 8 | 312 | 0.01 | 7.8 | 3,932.23 | 0.81 | 575 | 572 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 905,047.01 | 4.67 |
| E17038-E17036 | 8 | 258 | 0.004 | 11.8 | 16,154.17 | 0.81 | 520.38 | 519.46 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 551,152.61 | 2.84 |
| F01015-F01013 | 8 | 118 | 0.006 | 7.1 | 7,384.65 | 0.81 | 527.52 | 526.76 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 740,719.20 | 3.82 |
| G12075-G12073 | 8 | 338 | 0.006 | 6.6 | 5,004.14 | 0.81 | 388 | 386 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 709,977.29 | 3.66 |
| J14061-J14059 | 8 | 207 | 0.005 | 7.8 | 7,779.06 | 0.81 | 338 | 337 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 641,508.82 | 3.31 |
| F07051-F07049 | 8 | 207 | 0.019 | 4.1 | 1,824.18 | 0.81 | 470 | 466 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,283,017.65 | 6.62 |
| H06063-H06061 | 8 | 315 | 0.006 | 7.7 | 6,355.38 | 0.81 | 446.2 | 444.4 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 697,700.10 | 3.60 |
| E14113-E14111 | 8 | 259 | 0.012 | 4.6 | 3,570.55 | 0.81 | 443 | 440 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 993,341.44 | 5.12 |
| D11015-D11013 | 8 | 108 | 0.009 | 10.6 | 3,221.39 | 0.81 | 449 | 448 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 888,128.75 | 4.58 |
| H12013-H12005 | 15 | 1,078.00 | 0.002 | 48.3 | 611,725.01 | 0.81 | 364 | 362 | Corrugated HDPE 12-15 inch (Corrugated Interior)-Circular-15 inch | 1.2 | 1,298,724.39 | 1.67 |
| F12111-F12109 | 8 | 192 | 0.005 | 8.6 | 10,253.93 | 0.81 | 404 | 403 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 666,096.56 | 3.44 |
| E14053-E14051 | 8 | 343 | 0.006 | 7.7 | 7,925.75 | 0.81 | 445 | 443 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 704,783.53 | 3.63 |
| D12003-D12001 | 8 | 252 | 0.008 | 6.3 | 5,572.60 | 0.81 | 424 | 422 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 822,247.45 | 4.24 |
| D12057-D12055 | 8 | 193 | 0.008 | 5.7 | 5,330.49 | 0.81 | 443.5 | 441.86 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 850,807.04 | 4.39 |
| E07099-F07097 | 8 | 229 | 0.004 | 11.2 | 11,901.70 | 0.81 | 481 | 480 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 609,916.06 | 3.15 |
| E18009-E17001 | 12 | 161 | 0.003 | 10 | 26,985.52 | 0.81 | 519.56 | 519.1 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,454,556.10 | 2.81 |
| K08001-J08065 | 10 | 301 | 0.003 | 17.3 | 51,702.59 | 0.81 | 393.38 | 392.44 | Vitrified Clay Pipe-Circular-8 inch | 0.5 | 791,306.11 | 2.45 |
| E14101-E14099 | 8 | 239 | 0.013 | 5.5 | 3,175.66 | 0.81 | 440 | 437 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,034,068.92 | 5.33 |
| E03259-F03181 | 8 | 213 | 0.014 | 3.9 | 2,373.27 | 0.81 | 543 | 540 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,095,364.43 | 5.65 |
| E09013-E09011 | 10 | 381 | 0.003 | 10.5 | 18,641.05 | 0.81 | 435 | 434 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 857,337.90 | 2.65 |
| F04013-F04011 | 8 | 309 | 0.006 | 6.8 | 6,281.45 | 0.81 | 522 | 520 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 742,546.35 | 3.83 |
| D14005-D14003 | 8 | 92 | 0.011 | 6.3 | 3,970.32 | 0.81 | 459 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 962,263.24 | 4.96 |
| G09097-G10051 | 8 | 261 | 0.002 | 15.5 | 20,870.77 | 0.81 | 402 | 401.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 403,973.20 | 2.08 |
| D04117-D04115 | 8 | 206 | 0.019 | 3.9 | 1,893.34 | 0.81 | 570 | 566 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,286,128.00 | 6.63 |
| D03133-E03131 | 8 | 337 | 0.012 | 5.6 | 3,276.85 | 0.81 | 584 | 580 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,005,548.11 | 5.19 |
| F06005-F06003 | 8 | 160 | 0.006 | 7.6 | 7,731.76 | 0.81 | 471 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 729,672.23 | 3.76 |
| E14125-E14123 | 8 | 249 | 0.008 | 6.6 | 5,549.45 | 0.81 | 432 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 827,185.92 | 4.27 |
| F16011-F16005 | 8 | 163 | 0.012 | 6.2 | 3,180.51 | 0.81 | 486 | 484 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,022,372.13 | 5.27 |
| E11153-E11151 | 8 | 324 | 0.003 | 12.9 | 15,883.71 | 0.81 | 404 | 403 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 512,761.37 | 2.64 |
| E18001-D18007 | 12 | 298 | 0.002 | 14.9 | 53,489.40 | 0.81 | 516.5 | 516 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,114,657.31 | 2.16 |
| E07117-F07123 | 8 | 284 | 0.004 | 12.2 | 14,942.70 | 0.81 | 478 | 477 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 547,682.21 | 2.82 |
| E13087-E13085 | 8 | 90 | 0.022 | 10.8 | 1,590.25 | 0.81 | 432 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,375,883.14 | 7.10 |
| J08079-J08077 | 10 | 301 | 0.003 | 15.9 | 43,021.33 | 0.81 | 397.4 | 396.62 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 851,880.27 | 2.64 |
| E18017-E18015 | 12 | 161 | 0.003 | 8.7 | 23,864.12 | 0.81 | 521 | 520.5 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,516,479.56 | 2.93 |
| E02051-E02049 | 8 | 215 | 0.006 | 6.6 | 6,167.05 | 0.81 | 589.98 | 588.69 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 714,929.85 | 3.69 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| F04017-F04007 | 8 | 304 | 0.007 | 8.6 | 6,284.10 | 0.81 | 517 | 515 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 748,627.91 | 3.86 |
| F08091-F08089 | 8 | 247 | 0.008 | 33.8 | 5,430.42 | 0.81 | 449 | 447 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 830,528.10 | 4.28 |
| E11023-E11021 | 8 | 390 | 0.005 | 8.6 | 10,004.52 | 0.81 | 407 | 405 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 660,952.88 | 3.41 |
| G03021-G03019 | 8 | 365 | 0.005 | 21.9 | 7,489.70 | 0.81 | 503 | 501 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 683,213.40 | 3.52 |
| F05159-F05125 | 8 | 266 | 0.011 | 9.1 | 3,183.33 | 0.81 | 496 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 980,184.02 | 5.06 |
| F04041-F05011 | 8 | 305 | 0.007 | 9.7 | 6,285.48 | 0.81 | 506 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 747,399.64 | 3.85 |
| D06047-D06045 | 8 | 316 | 0.003 | 11.3 | 14,098.20 | 0.81 | 557 | 556 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 519,211.46 | 2.68 |
| E12171-E12169 | 8 | 256 | 0.004 | 11 | 14,791.31 | 0.81 | 412 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| G04061-G04059 | 8 | 252 | 0.008 | 8.4 | 12,005.03 | 0.81 | 490 | 488 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 822,247.45 | 4.24 |
| C03011-C03009 | 12 | 287 | 0.017 | 2.5 | 2,910.13 | 0.81 | 655 | 650 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,591,770.27 | 6.95 |
| D08069-D08055 | 10 | 298 | 0.005 | 7.8 | 12,507.24 | 0.81 | 484.5 | 483 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,187,276.87 | 3.67 |
| F08057-F08055 | 8 | 199 | 0.005 | 8 | 6,978.38 | 0.81 | 443 | 442 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 654,276.42 | 3.37 |
| G08023-G08013 | 8 | 318 | 0.003 | 13.5 | 12,851.98 | 0.82 | 438 | 437 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 517,576.14 | 2.67 |
| G04069-H04035 | 8 | 247 | 0.012 | 7 | 7,223.51 | 0.82 | 475 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,017,185.03 | 5.25 |
| G14015-G14013 | 8 | 332 | 0.012 | 4.1 | 2,847.95 | 0.82 | 422 | 418 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,013,091.71 | 5.22 |
| G09141-G09139 | 8 | 482 | 0.004 | 10.5 | 13,851.67 | 0.82 | 420 | 418 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 594,537.55 | 3.07 |
| F03035-F03033 | 8 | 366 | 0.005 | 8.2 | 7,858.92 | 0.82 | 523 | 521 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 682,279.41 | 3.52 |
| J13003-J13001 | 8 | 222 | 0.005 | 11.9 | 8,896.32 | 0.82 | 337 | 336 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 619,457.22 | 3.19 |
| G14003-G14001 | 8 | 172 | 0.012 | 7.2 | 2,431.10 | 0.82 | 408 | 406 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 995,264.66 | 5.13 |
| L13029-L13027 | 8 | 99 | 0.005 | 8.8 | 9,436.10 | 0.82 | 330.5 | 330 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,926.55 | 3.38 |
| D16055-D16005 | 8 | 359 | 0.006 | 15.1 | 8,619.69 | 0.82 | 488 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 688,899.04 | 3.55 |
| G14079-G14077 | 8 | 258 | 0.013 | 4.5 | 2,147.50 | 0.82 | 427 | 423.74 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,037,496.77 | 5.35 |
| C07027-C07025 | 8 | 170 | 0.012 | 4.3 | 3,396.99 | 0.82 | 515 | 513 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,001,102.04 | 5.16 |
| F04065-F05007 | 8 | 304 | 0.007 | 10.6 | 6,291.34 | 0.82 | 502 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 748,627.91 | 3.86 |
| F03027-F03025 | 8 | 364 | 0.005 | 9.8 | 7,867.07 | 0.82 | 520 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 684,151.23 | 3.53 |
| D16053-D16011 | 8 | 149 | 0.007 | 18 | 6,758.58 | 0.82 | 490 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 756,126.87 | 3.90 |
| F08053-G08021 | 8 | 300 | 0.003 | 10.9 | 11,794.41 | 0.82 | 441 | 440 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 532,877.25 | 2.75 |
| D12059-D12057 | 8 | 194 | 0.008 | 5.7 | 5,344.33 | 0.82 | 445.14 | 443.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 848,611.41 | 4.38 |
| F13117-F12119 | 8 | 202 | 0.015 | 4.8 | 2,775.51 | 0.82 | 413 | 410 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,124,793.38 | 5.80 |
| D02041-D02031 | 8 | 353 | 0.014 | 7 | 2,913.81 | 0.82 | 624 | 619 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,098,463.06 | 5.67 |
| H13073-H13071 | 12 | 241 | 0.003 | 7.1 | 14,892.40 | 0.82 | 376 | 375.32 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,445,474.50 | 2.80 |
| E18003-E18001 | 12 | 298 | 0.002 | 14.8 | 52,324.55 | 0.82 | 517 | 516.5 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,114,657.31 | 2.16 |
| H09001-H10029 | 8 | 347 | 0.006 | 7.1 | 5,694.04 | 0.82 | 401 | 399 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 700,709.60 | 3.61 |
| F04195-F04183 | 8 | 0 | 0.008 | 10.5 | 4,772.01 | 0.82 | 528.84 | 527.54 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 831,954.34 | 4.29 |
| E11079-E11075 | 10 | 251 | 0.004 | 9.8 | 17,320.82 | 0.82 | 411 | 410 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,056,276.57 | 3.27 |
| H12053-H12051 | 8 | 224 | 0.01 | 4.3 | 2,662.10 | 0.82 | 368.38 | 366.1 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 931,174.82 | 4.80 |
| G05007-G05005 | 8 | 285 | 0.004 | 17.3 | 35,544.86 | 0.82 | 472 | 471 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 546,720.52 | 2.82 |
| D08087-D08085 | 8 | 326 | 0.009 | 5 | 4,234.45 | 0.82 | 463 | 460 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 885,400.24 | 4.57 |
| G12073-G12071 | 8 | 190 | 0.005 | 12.3 | 6,793.65 | 0.83 | 386 | 385 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 669,593.16 | 3.45 |
| D10051-D10049 | 8 | 158 | 0.006 | 6.3 | 5,296.33 | 0.83 | 470 | 469 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 734,275.88 | 3.79 |
| G07063-G07061 | 8 | 352 | 0.006 | 8.8 | 7,848.23 | 0.83 | 459 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 695,715.17 | 3.59 |
| G15001-G14019 | 8 | 199 | 0.015 | 3.1 | 1,831.03 | 0.83 | 433 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,133,240.00 | 5.84 |
| F07105-F07103 | 8 | 323 | 0.003 | 14.1 | 19,460.98 | 0.83 | 480 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 513,554.51 | 2.65 |
| D13093-D13091 | 8 | 214 | 0.023 | 3.4 | 1,590.25 | 0.83 | 455 | 450 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,410,801.53 | 7.28 |
| E05165-E05161 | 8 | 343 | 0.02 | 3.9 | 1,594.37 | 0.83 | 530 | 523 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,318,529.25 | 6.80 |
| G09107-G09105 | 8 | 90 | 0.006 | 7.7 | 6,438.17 | 0.83 | 403.5 | 403 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 687,941.57 | 3.55 |
| F10083-F10081 | 8 | 265 | 0.008 | 5.8 | 4,178.85 | 0.83 | 412 | 410 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 801,825.51 | 4.14 |
| D11071-D12059 | 8 | 131 | 0.008 | 5.7 | 5,354.39 | 0.83 | 446.24 | 445.14 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 845,762.65 | 4.36 |
| E18019-E18017 | 12 | 152 | 0.003 | 8.6 | 23,101.64 | 0.83 | 521.5 | 521 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,560,729.74 | 3.02 |
| J08083-J08081 | 10 | 272 | 0.003 | 15.2 | 42,202.26 | 0.83 | 398.87 | 398.17 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 848,944.07 | 2.63 |
| F03009-F03007 | 8 | 339 | 0.012 | 4.3 | 3,532.95 | 0.83 | 520 | 516 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,002,577.50 | 5.17 |
| F05151-F05145 | 8 | 260 | 0.012 | 5.9 | 3,548.41 | 0.83 | 505 | 502 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 991,429.33 | 5.11 |
| G05009-G05007 | 8 | 254 | 0.004 | 16.5 | 31,247.04 | 0.83 | 473 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 579,123.18 | 2.99 |
| E04061-E04059 | 8 | 264 | 0.008 | 6.7 | 5,883.72 | 0.83 | 549 | 547 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 803,342.68 | 4.14 |
| F13013-F12021 | 8 | 131 | 0.008 | 5.9 | 4,809.87 | 0.83 | 400 | 399 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 806,403.05 | 4.16 |
| F02074-F02072 | 8 | 216.6 | 0.008 | 5.6 | 4,895.21 | 0.83 | 537.79 | 536.24 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 804,523.20 | 4.15 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| F09117-F09115 | 8 | 306 | 0.007 | 7 | 5,348.96 | 0.83 | 433 | 431 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 746,177.40 | 3.85 |
| K09003-K09001 | 12 | 301 | 0.005 | 12.4 | 50,954.65 | 0.83 | 379.69 | 378.26 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,875,639.06 | 3.63 |
| J08081-J08079 | 10 | 294 | 0.003 | 15.3 | 43,082.73 | 0.83 | 398.17 | 397.4 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 856,418.83 | 2.65 |
| D15061-D15059 | 8 | 34 | 0.01 | 5.9 | 4,479.30 | 0.83 | 494.04 | 493.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 922,970.47 | 4.76 |
| E14027-E15029 | 8 | 227 | 0.004 | 24.1 | 13,802.85 | 0.83 | 450 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 612,597.02 | 3.16 |
| G03017-G03015 | 8 | 353 | 0.008 | 5.9 | 4,749.06 | 0.83 | 507 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 850,865.83 | 4.39 |
| C05023-D05091 | 8 | 286 | 0.017 | 3.4 | 2,188.05 | 0.83 | 606 | 601 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,220,365.14 | 6.29 |
| L13031-L13029 | 8 | 97 | 0.005 | 8.3 | 9,456.72 | 0.83 | 331 | 330.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 662,654.18 | 3.42 |
| D18001-D17075 | 12 | 308 | 0.002 | 19.6 | 80,148.95 | 0.83 | 513 | 512.5 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,096,412.91 | 2.12 |
| J15017-J15015 | 8 | 280 | 0.004 | 11.2 | 12,314.81 | 0.83 | 344 | 343 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 551,580.36 | 2.84 |
| F04131-F04129 | 8 | 302 | 0.017 | 4.3 | 1,992.96 | 0.83 | 524.01 | 519 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,188,784.68 | 6.13 |
| H14021-H13001 | 8 | 257 | 0.004 | 14.7 | 11,599.82 | 0.83 | 393 | 392 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 575,733.16 | 2.97 |
| E05043-E05041 | 8 | 435 | 0.011 | 6.5 | 3,932.23 | 0.83 | 539 | 534 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 989,528.21 | 5.10 |
| F06115-F06113 | 10 | 230 | 0.002 | 14.8 | 36,689.37 | 0.83 | 481.5 | 481 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 780,253.26 | 2.41 |
| F12123-F12121 | 8 | 228 | 0.004 | 10.8 | 14,954.47 | 0.83 | 403 | 402 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 611,252.13 | 3.15 |
| F04077-F04075 | 8 | 167 | 0.009 | 6.2 | 5,084.70 | 0.83 | 522.85 | 521.4 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 860,029.94 | 4.44 |
| F07057-F07055 | 8 | 296 | 0.005 | 9.7 | 12,797.14 | 0.83 | 467.5 | 466 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 657,033.60 | 3.39 |
| G08031-G08029 | 8 | 246 | 0.004 | 9.1 | 10,188.49 | 0.83 | 431 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 588,464.48 | 3.03 |
| E03105-E03103 | 8 | 211 | 0.005 | 12.7 | 12,730.40 | 0.83 | 569 | 568 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 635,399.08 | 3.28 |
| F05033-F05031 | 8 | 307 | 0.01 | 47.6 | 4,005.75 | 0.83 | 500 | 497 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 912,387.33 | 4.71 |
| E07121-E07119 | 8 | 273 | 0.007 | 8 | 6,624.44 | 0.84 | 481 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 789,989.80 | 4.07 |
| G03061-G03059 | 8 | 351 | 0.009 | 5.7 | 4,753.62 | 0.84 | 510 | 507 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 853,286.50 | 4.40 |
| H11141-H11139 | 8 | 259 | 0.004 | 11.9 | 11,776.64 | 0.84 | 377 | 376 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 573,505.95 | 2.96 |
| G03057-G03055 | 8 | 351 | 0.009 | 5.7 | 4,756.50 | 0.84 | 511 | 508 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 853,286.50 | 4.40 |
| C03061-C03059 | 8 | 280 | 0.025 | 2.7 | 1,459.73 | 0.84 | 643 | 636 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,459,344.45 | 7.53 |
| F15137-F15135 | 8 | 160 | 0.013 | 5.6 | 3,576.10 | 0.84 | 459 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,031,912.36 | 5.32 |
| D10095-D09023 | 8 | 305 | 0.007 | 12.1 | 5,269.45 | 0.84 | 454 | 452 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 747,399.64 | 3.85 |
| D13111-D13065 | 10 | 222 | 0.011 | 7.6 | 4,284.90 | 0.84 | 432 | 429.5 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,775,857.14 | 5.50 |
| G13125-G13123 | 8 | 277 | 0.01 | 4.8 | 2,873.74 | 0.84 | 380.9 | 378 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 944,380.31 | 4.87 |
| J15029-J15027 | 8 | 93 | 0.011 | 4.4 | 3,364.34 | 0.84 | 334 | 333 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 957,075.80 | 4.94 |
| H06015-H06013 | 8 | 139 | 0.014 | 17.1 | 2,728.04 | 0.84 | 443 | 441 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,107,121.81 | 5.71 |
| F05035-F05033 | 8 | 179 | 0.017 | 3.9 | 2,022.42 | 0.84 | 503 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,194,873.47 | 6.16 |
| E12167-E12165 | 8 | 249 | 0.004 | 11.9 | 17,113.27 | 0.84 | 409 | 408 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 584,908.77 | 3.02 |
| E12135-E12133 | 8 | 224 | 0.009 | 6.7 | 5,926.94 | 0.84 | 410 | 408 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 872,125.12 | 4.50 |
| F07041-F07039 | 8 | 335 | 0.006 | 10 | 9,491.85 | 0.84 | 464 | 462 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 713,149.20 | 3.68 |
| E06031-E06029 | 6 | 260 | 0.012 | 8.6 | 2,875.62 | 0.84 | 494 | 491 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 460,353.87 | 3.56 |
| E12165-E12163 | 8 | 247 | 0.004 | 12.1 | 17,873.52 | 0.84 | 408 | 407 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,272.05 | 3.03 |
| G08087-G08069 | 8 | 239 | 0.008 | 46.8 | 6,033.20 | 0.84 | 444 | 442 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 844,313.74 | 4.35 |
| F05013-F05011 | 8 | 260 | 0.004 | 11.9 | 14,008.46 | 0.84 | 505 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 572,401.99 | 2.95 |
| F14037-F14031 | 8 | 386 | 0.014 | 4.2 | 2,347.43 | 0.84 | 441 | 435.61 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,090,657.87 | 5.62 |
| F07161-F07159 | 8 | 59 | 0.017 | 4.6 | 2,421.16 | 0.84 | 465 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,201,605.21 | 6.20 |
| F18015-F18013 | 8 | 329 | 0.006 | 7.8 | 8,715.55 | 0.84 | 538 | 536 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 719,622.70 | 3.71 |
| G07085-G07083 | 8 | 270 | 0.004 | 12.5 | 16,175.19 | 0.84 | 453 | 452 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 561,701.94 | 2.90 |
| E03061-E03059 | 8 | 327 | 0.012 | 6.2 | 3,913.16 | 0.84 | 578 | 574 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,020,807.67 | 5.26 |
| D13073-D13071 | 8 | 256 | 0.002 | 20.2 | 36,376.00 | 0.84 | 431 | 430.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 407,899.17 | 2.10 |
| D15033-D14001 | 8 | 233 | 0.004 | 11.4 | 13,407.68 | 0.84 | 458 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 604,658.06 | 3.12 |
| E05039-E05037 | 8 | 269 | 0.004 | 11.8 | 15,756.59 | 0.84 | 532 | 531 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 562,745.03 | 2.90 |
| F03192-F03191 | 8 | 202 | 0.012 | 4.4 | 3,188.74 | 0.84 | 536.52 | 534.05 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,020,611.83 | 5.26 |
| E04107-E04105 | 8 | 277 | 0.011 | 13.6 | 3,932.23 | 0.84 | 553 | 550 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 960,524.73 | 4.95 |
| D13031-D13029 | 8 | 101 | 0.01 | 5.5 | 4,710.43 | 0.84 | 429 | 428 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 918,389.95 | 4.74 |
| G08005-G08003 | 8 | 390 | 0.01 | 5.1 | 3,224.60 | 0.84 | 441 | 437 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 934,728.53 | 4.82 |
| D01045-D02057 | 8 | 249 | 0.012 | 11.4 | 3,953.72 | 0.84 | 611 | 608 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,013,091.71 | 5.22 |
| E13105-E13103 | 8 | 316 | 0.006 | 10.6 | 7,815.40 | 0.84 | 432 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 734,275.88 | 3.79 |
| D07017-D07015 | 8 | 281 | 0.011 | 5 | 4,045.71 | 0.84 | 500 | 497 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 953,663.75 | 4.92 |
| D02103-D02101 | 8 | 162 | 0.006 | 9.8 | 8,400.02 | 0.84 | 618 | 617 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 725,154.09 | 3.74 |
| F06117-F06115 | 10 | 229 | 0.002 | 14.7 | 36,385.88 | 0.84 | 482 | 481.5 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 781,955.02 | 2.42 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| G13123-H13087 | 8 | 271 | 0.007 | 10.2 | 4,698.40 | 0.84 | 378 | 376 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 792,899.53 | 4.09 |
| L14075-L14053 | 8 | 197 | 0.003 | 51.6 | 19,142.37 | 0.84 | 313.5 | 313 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 464,985.81 | 2.40 |
| E12163-E12161 | 8 | 249 | 0.004 | 12.6 | 19,033.27 | 0.84 | 407 | 406 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 584,908.77 | 3.02 |
| H11159-H11157 | 8 | 335 | 0.006 | 7.1 | 6,267.57 | 0.84 | 381 | 379 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 713,149.20 | 3.68 |
| D03115-D03113 | 8 | 207 | 0.01 | 6.5 | 5,203.21 | 0.84 | 579 | 577 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 907,230.48 | 4.68 |
| L13023-L13021 | 8 | 166 | 0.006 | 8 | 9,362.65 | 0.85 | 329 | 328 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 716,364.02 | 3.69 |
| E06035-E06033 | 8 | 231 | 0.004 | 18.9 | 11,364.15 | 0.85 | 494 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 607,269.99 | 3.13 |
| H13045-H13043 | 6 | 39 | 0.008 | 8.3 | 3,712.74 | 0.85 | 373.5 | 373.2 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 375,877.36 | 2.91 |
| L13039-L13037 | 8 | 101 | 0.005 | 8.8 | 9,858.58 | 0.85 | 332.5 | 332 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 649,399.76 | 3.35 |
| C07057-C07055 | 8 | 254 | 0.012 | 5.2 | 3,940.80 | 0.85 | 518 | 515 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,003,070.77 | 5.17 |
| F07145-F07143 | 8 | 318 | 0.013 | 5.8 | 3,648.36 | 0.85 | 468 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,035,152.28 | 5.34 |
| H11123-H11121 | 8 | 337 | 0.018 | 5.4 | 1,612.30 | 0.85 | 381 | 375 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,231,539.89 | 6.35 |
| H07025-H07023 | 12 | 258 | 0.003 | 8.8 | 22,000.81 | 0.85 | 436.77 | 436 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,486,620.12 | 2.88 |
| D02035-D02033 | 8 | 251 | 0.008 | 9.8 | 6,190.73 | 0.85 | 622 | 620 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 823,883.76 | 4.25 |
| D14027-D13047 | 8 | 202 | 0.005 | 9.4 | 11,867.49 | 0.85 | 449 | 448 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 649,399.76 | 3.35 |
| G13033-G13031 | 8 | 162 | 0.012 | 12.7 | 2,639.28 | 0.85 | 393 | 391 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,025,522.75 | 5.29 |
| C07025-C07023 | 8 | 167 | 0.012 | 10 | 3,833.46 | 0.85 | 513 | 511 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,010,053.95 | 5.21 |
| F13123-F12131 | 8 | 233 | 0.009 | 7.3 | 6,714.49 | 0.85 | 411 | 409 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 855,115.63 | 4.41 |
| F02084-F02082 | 8 | 216 | 0.006 | 7.2 | 7,144.66 | 0.85 | 540.4 | 539.1 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 738,603.68 | 3.81 |
| F06051-F07103 | 8 | 330 | 0.009 | 10.3 | 5,434.66 | 0.85 | 482 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 880,017.82 | 4.54 |
| D03057-D03055 | 8 | 260 | 0.015 | 26.4 | 2,915.98 | 0.85 | 591 | 587 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,144,803.98 | 5.90 |
| D14125-D14119 | 8 | 67 | 0.015 | 5.2 | 3,168.86 | 0.85 | 473 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,127,587.90 | 5.82 |
| G07023-G08097 | 8 | 128 | 0.004 | 11.4 | 15,530.69 | 0.85 | 447.5 | 447 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| E15027-E15001 | 8 | 192 | 0.016 | 18.9 | 2,782.94 | 0.85 | 458 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,153,713.09 | 5.95 |
| E18069-E18067 | 8 | 260 | 0.007 | 7.3 | 7,553.71 | 0.85 | 547.75 | 546.02 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 752,877.27 | 3.88 |
| F12019-F12017 | 8 | 232 | 0.006 | 13.9 | 7,464.92 | 0.85 | 398 | 396.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 690,900.47 | 3.56 |
| C06061-C06059 | 8 | 293 | 0.017 | 5.1 | 2,088.06 | 0.85 | 546 | 541 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,205,699.27 | 6.22 |
| J08065-J08063 | 10 | 301 | 0.003 | 17 | 51,010.62 | 0.85 | 394.14 | 393.38 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 840,887.81 | 2.60 |
| H06057-H06055 | 8 | 350 | 0.006 | 8.5 | 7,791.75 | 0.85 | 441 | 439 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 697,700.10 | 3.60 |
| F06001-F07059 | 8 | 141 | 0.007 | 7.7 | 9,286.32 | 0.85 | 469 | 468 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 777,281.36 | 4.01 |
| L13025-L13023 | 8 | 83 | 0.006 | 8 | 9,378.56 | 0.85 | 329.5 | 329 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 716,364.02 | 3.69 |
| K11039-K11037 | 8 | 321 | 0.003 | 12 | 15,784.77 | 0.85 | 356 | 355 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 515,151.88 | 2.66 |
| D13091-D13089 | 8 | 303 | 0.013 | 4.9 | 3,573.22 | 0.85 | 450 | 446 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,060,465.36 | 5.47 |
| G08127-G08125 | 8 | 337 | 0.006 | 9.9 | 9,084.79 | 0.85 | 441 | 439 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 711,029.88 | 3.67 |
| F14131-F13083 | 8 | 178 | 0.025 | 4.9 | 1,590.25 | 0.85 | 426.11 | 421.59 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,470,777.66 | 7.59 |
| J07139-J07137 | 8 | 295 | 0.006 | 7.4 | 7,379.80 | 0.85 | 423.29 | 421.39 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 740,719.20 | 3.82 |
| H11057-H11055 | 8 | 290 | 0.007 | 6 | 5,370.07 | 0.85 | 383 | 381 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 766,485.26 | 3.95 |
| E04005-E04003 | 8 | 404 | 0.012 | 5.5 | 3,926.64 | 0.85 | 554 | 549 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,026,791.17 | 5.30 |
| L13041-L13039 | 8 | 101 | 0.005 | 8.6 | 9,981.29 | 0.85 | 333 | 332.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 649,399.76 | 3.35 |
| F15067-F15065 | 8 | 223 | 0.013 | 7.7 | 3,569.82 | 0.85 | 463 | 460 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,070,523.00 | 5.52 |
| K12041-K12039 | 8 | 253 | 0.004 | 10.3 | 11,929.36 | 0.85 | 348 | 347 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 580,266.56 | 2.99 |
| F14031-F14029 | 8 | 65 | 0.009 | 7.5 | 4,163.78 | 0.85 | 435.61 | 435 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 894,120.49 | 4.61 |
| J11115-J11091 | 8 | 331 | 0.003 | 15.5 | 26,306.14 | 0.85 | 373 | 372 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 507,310.45 | 2.62 |
| L13137-L13135 | 8 | 280 | 0.004 | 11.6 | 13,591.15 | 0.85 | 320 | 319 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 551,580.36 | 2.84 |
| G13101-G13097 | 8 | 227 | 0.004 | 19.4 | 8,587.60 | 0.86 | 391 | 390 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 612,597.02 | 3.16 |
| L14027-L14025 | 8 | 276 | 0.004 | 10.7 | 13,437.55 | 0.86 | 314 | 313 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 555,562.94 | 2.87 |
| J11127-J11125 | 8 | 354 | 0.006 | 10.3 | 9,951.74 | 0.86 | 379 | 377 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 693,747.09 | 3.58 |
| G08129-G08123 | 12 | 326 | 0.003 | 9.6 | 28,987.44 | 0.86 | 439 | 438 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,507,147.29 | 2.91 |
| G07059-G07057 | 8 | 213 | 0.005 | 11.8 | 12,401.79 | 0.86 | 456 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 632,408.95 | 3.26 |
| G02003-F02037 | 8 | 330 | 0.013 | 8.3 | 3,113.47 | 0.86 | 528.51 | 524.22 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,052,348.25 | 5.43 |
| E17011-E17009 | 8 | 250 | 0.004 | 13.2 | 15,618.04 | 0.86 | 505 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 583,737.78 | 3.01 |
| F05093-F05091 | 8 | 388 | 0.01 | 6 | 4,340.59 | 0.86 | 519 | 515 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 937,134.53 | 4.83 |
| F14115-F14107 | 8 | 255 | 0.008 | 19.2 | 7,119.21 | 0.86 | 440 | 438 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 817,396.39 | 4.22 |
| C06069-C06067 | 8 | 118 | 0.076 | 1.3 | 331.11 | 0.86 | 584 | 575 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,548,989.57 | 13.15 |
| D03027-D03025 | 8 | 306 | 0.023 | 3.2 | 1,824.67 | 0.86 | 627 | 620 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,395,970.09 | 7.20 |
| G07057-G07051 | 8 | 335 | 0.003 | 13.9 | 20,901.45 | 0.86 | 455 | 454 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 504,272.64 | 2.60 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| G14069-G14067 | 8 | 110 | 0.005 | 11.3 | 9,860.87 | 0.86 | 416 | 415.48 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 634,589.87 | 3.27 |
| E12161-E12159 | 8 | 249 | 0.004 | 12.8 | 20,590.36 | 0.86 | 406 | 405 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 584,908.77 | 3.02 |
| F12117-F12115 | 8 | 213 | 0.009 | 6.1 | 5,932.60 | 0.86 | 409 | 407 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 894,361.31 | 4.61 |
| K13013-K13009 | 8 | 263 | 0.003 | 12.3 | 17,047.15 | 0.86 | 323.4 | 322.54 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 527,787.57 | 2.72 |
| F08055-F08053 | 8 | 219 | 0.005 | 9.5 | 9,657.33 | 0.86 | 442 | 441 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 623,685.65 | 3.22 |
| K14065-K14063 | 8 | 246 | 0.004 | 10.6 | 12,811.96 | 0.86 | 332 | 331 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 588,464.48 | 3.03 |
| F08039-F08037 | 8 | 241 | 0.012 | 5.4 | 2,900.54 | 0.86 | 440 | 437 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,029,769.24 | 5.31 |
| F04025-F04023 | 12 | 349 | 0.011 | 3.2 | 5,101.26 | 0.86 | 512 | 508 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,913,277.00 | 5.63 |
| D02067-D02065 | 8 | 327 | 0.021 | 5.3 | 2,189.60 | 0.86 | 620 | 613 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,350,401.62 | 6.96 |
| J12047-J12045 | 8 | 416 | 0.005 | 12 | 14,760.02 | 0.86 | 363 | 361 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 639,964.88 | 3.30 |
| D07021-D07019 | 8 | 346 | 0.017 | 3.4 | 2,302.13 | 0.86 | 512 | 506 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,215,417.21 | 6.27 |
| G08119-G08117 | 12 | 226 | 0.002 | 12.6 | 43,480.16 | 0.86 | 436.5 | 436 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,279,956.71 | 2.48 |
| H09011-H09009 | 8 | 299 | 0.002 | 24.3 | 50,408.04 | 0.86 | 408.53 | 408 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 388,588.68 | 2.00 |
| D08071-D08069 | 10 | 228 | 0.007 | 6.8 | 10,626.24 | 0.86 | 486 | 484.5 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,357,352.71 | 4.20 |
| G09129-G09127 | 8 | 210 | 0.005 | 10.9 | 13,646.24 | 0.86 | 418 | 417 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 636,910.14 | 3.28 |
| G14071-G14069 | 8 | 208 | 0.005 | 8.6 | 9,369.90 | 0.86 | 417 | 416 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 639,964.88 | 3.30 |
| G14011-G14009 | 8 | 336 | 0.009 | 5.4 | 4,891.29 | 0.86 | 413 | 410 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 872,125.12 | 4.50 |
| H04029-H04001 | 8 | 248 | 0.008 | 16.1 | 14,097.41 | 0.86 | 470 | 468 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 828,851.95 | 4.27 |
| D02063-D02061 | 8 | 278 | 0.007 | 7.8 | 8,004.05 | 0.86 | 612 | 610 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 782,853.34 | 4.04 |
| F05089-F05087 | 8 | 249 | 0.004 | 11.6 | 13,467.84 | 0.86 | 511 | 510 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 584,908.77 | 3.02 |
| G14077-G14075 | 8 | 148 | 0.008 | 6.6 | 4,964.70 | 0.86 | 423.74 | 422.59 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 813,590.50 | 4.20 |
| K14085-L14039 | 8 | 281 | 0.007 | 7.5 | 6,582.86 | 0.87 | 321 | 319 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 778,663.19 | 4.02 |
| E03107-E03105 | 8 | 166 | 0.006 | 9.2 | 10,809.07 | 0.87 | 570 | 569 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 716,364.02 | 3.69 |
| J08063-J08033 | 10 | 291 | 0.003 | 16.7 | 51,086.62 | 0.87 | 394.87 | 394.14 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 838,164.85 | 2.59 |
| C07035-C07033 | 8 | 174 | 0.017 | 3.3 | 2,305.35 | 0.87 | 521 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,211,919.60 | 6.25 |
| D13085-D13083 | 8 | 180 | 0.022 | 3.3 | 1,987.82 | 0.87 | 449 | 445 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,375,883.14 | 7.10 |
| E05167-E05157 | 8 | 343 | 0.023 | 5.1 | 1,594.37 | 0.87 | 528 | 520 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,409,567.06 | 7.27 |
| H14023-H14021 | 8 | 219 | 0.005 | 9.5 | 10,715.23 | 0.87 | 394 | 393 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 623,685.65 | 3.22 |
| E03111-E03107 | 8 | 216 | 0.009 | 7.4 | 6,926.14 | 0.87 | 572 | 570 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 888,128.75 | 4.58 |
| G08025-G08011 | 8 | 252 | 0.004 | 15 | 12,839.69 | 0.87 | 435 | 434 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 581,416.75 | 3.00 |
| L13043-L13041 | 8 | 99 | 0.005 | 8.6 | 10,102.24 | 0.87 | 333.5 | 333 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,926.55 | 3.38 |
| F03189-F03187 | 8 | 0 | 0.015 | 4.6 | 2,776.35 | 0.87 | 536.79 | 532.43 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,125,893.32 | 5.81 |
| G14001-G13061 | 8 | 318 | 0.003 | 13.8 | 12,734.25 | 0.87 | 406 | 405 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 517,576.14 | 2.67 |
| C03051-D03035 | 8 | 327 | 0.028 | 3 | 1,459.73 | 0.87 | 634 | 625 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,531,211.51 | 7.90 |
| C07093-C07091 | 8 | 287 | 0.003 | 12.3 | 17,582.48 | 0.87 | 525 | 524 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 544,812.24 | 2.81 |
| C03053-D03045 | 8 | 290 | 0.028 | 3.1 | 1,459.73 | 0.87 | 637 | 629 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,532,970.51 | 7.91 |
| F04129-F04127 | 8 | 260 | 0.009 | 7.7 | 5,158.66 | 0.87 | 519 | 516.66 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 875,606.67 | 4.52 |
| G05127-G05111 | 8 | 267 | 0.007 | 7.2 | 6,681.56 | 0.87 | 489 | 487 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 798,816.77 | 4.12 |
| C05009-C05007 | 8 | 361 | 0.039 | 2.8 | 1,094.80 | 0.87 | 624 | 610 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,817,599.62 | 9.37 |
| G09077-G09075 | 8 | 320 | 0.003 | 13.9 | 14,313.48 | 0.87 | 402 | 401 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 515,956.18 | 2.66 |
| E11025-E11023 | 8 | 388 | 0.008 | 7.6 | 7,255.25 | 0.87 | 410 | 407 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 811,582.31 | 4.19 |
| J14009-J14007 | 8 | 275 | 0.004 | 12.2 | 14,021.51 | 0.87 | 333 | 332 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 556,572.14 | 2.87 |
| J11119-J11117 | 8 | 328 | 0.003 | 14.7 | 23,651.03 | 0.87 | 376 | 375 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 509,625.19 | 2.63 |
| F10007-F10005 | 8 | 250 | 0.008 | 46.4 | 6,332.84 | 0.87 | 414 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 825,529.89 | 4.26 |
| G08021-G08015 | 8 | 298 | 0.003 | 13.5 | 14,994.55 | 0.87 | 440 | 439 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 534,662.44 | 2.76 |
| C06025-C06021 | 8 | 189 | 0.011 | 6.6 | 4,313.44 | 0.87 | 556 | 554 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 949,449.57 | 4.90 |
| E02064-E02062 | 8 | 261.1 | 0.004 | 10.1 | 12,944.73 | 0.87 | 559.45 | 558.3 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 612,655.69 | 3.16 |
| F17033-F17030 | 8 | 49 | 0.004 | 13.6 | 22,369.50 | 0.87 | 516.41 | 516.23 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 559,404.58 | 2.89 |
| D16075-D16073 | 8 | 199 | 0.005 | 10.1 | 12,069.60 | 0.87 | 481 | 480 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 654,276.42 | 3.37 |
| D03089-D03087 | 8 | 313 | 0.013 | 27.3 | 4,366.76 | 0.87 | 594 | 590 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,043,387.51 | 5.38 |
| H13085-H13059 | 8 | 380 | 0.018 | 6.2 | 1,620.73 | 0.87 | 376 | 369 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,252,694.09 | 6.46 |
| E08077-E08075 | 12 | 411 | 0.002 | 10.7 | 32,044.36 | 0.87 | 458 | 457 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,342,281.45 | 2.60 |
| E06077-E06075 | 8 | 247 | 0.008 | 6.7 | 5,751.25 | 0.87 | 514 | 512 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 830,528.10 | 4.28 |
| F15135-F15133 | 8 | 257 | 0.008 | 6.8 | 7,535.02 | 0.87 | 457 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 814,209.65 | 4.20 |
| F02072-F02070 | 8 | 0 | 0.01 | 9 | 4,856.81 | 0.87 | 536.24 | 535.09 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 903,537.34 | 4.66 |
| E16049-E15079 | 8 | 280 | 0.011 | 5.3 | 5,012.51 | 0.87 | 482 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 955,365.20 | 4.93 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| F18039-F18031 | 8 | 249 | 0.008 | 13.2 | 7,508.44 | 0.87 | 546 | 544 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 827,185.92 | 4.27 |
| E08067-E08057 | 15 | 441 | 0.002 | 12.5 | 35,654.11 | 0.87 | 465 | 464 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,349,480.82 | 3.03 |
| E04043-E04041 | 8 | 136 | 0.015 | 8.2 | 3,276.85 | 0.87 | 547 | 545 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,119,266.10 | 5.77 |
| G05109-G05095 | 8 | 292 | 0.003 | 30.1 | 18,248.45 | 0.87 | 483 | 482 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 540,127.61 | 2.79 |
| F02083-F02082 | 8 | 121 | 0.017 | 5.3 | 2,391.56 | 0.87 | 540.6 | 539.1 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,191,549.76 | 6.15 |
| J06047-J07139 | 8 | 288 | 0.006 | 7.2 | 7,647.06 | 0.88 | 425.15 | 423.29 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 741,733.74 | 3.83 |
| E12035-E12033 | 10 | 287 | 0.003 | 56.5 | 24,541.85 | 0.88 | 416 | 415 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 987,810.32 | 3.06 |
| D07039-D07011 | 8 | 269 | 0.015 | 5.5 | 3,174.79 | 0.88 | 495 | 491 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,125,490.06 | 5.80 |
| D15063-D15059 | 8 | 137 | 0.039 | 4.4 | 1,192.69 | 0.88 | 499 | 493.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,815,371.27 | 9.36 |
| G09099-G09097 | 8 | 290 | 0.007 | 10.8 | 5,859.01 | 0.88 | 404 | 402 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 766,485.26 | 3.95 |
| E07109-F07107 | 8 | 328 | 0.006 | 10.3 | 11,289.49 | 0.88 | 482.9 | 481 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 702,469.84 | 3.62 |
| E09095-E09077 | 8 | 53 | 0.009 | 47.9 | 4,678.13 | 0.88 | 424.5 | 424 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 896,468.17 | 4.62 |
| K14063-K14061 | 8 | 263 | 0.004 | 11.3 | 14,526.78 | 0.88 | 331 | 330 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 569,127.97 | 2.94 |
| H06059-H07019 | 8 | 361 | 0.004 | 11.4 | 15,102.45 | 0.88 | 441.6 | 440.31 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 551,733.13 | 2.85 |
| F05125-F05119 | 8 | 325 | 0.003 | 14 | 21,641.45 | 0.88 | 493 | 492 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 511,971.90 | 2.64 |
| E17007-E17003 | 8 | 147 | 0.014 | 6.3 | 3,806.57 | 0.88 | 526 | 524 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,076,574.62 | 5.55 |
| E08023-E08021 | 15 | 332 | 0.009 | 4.5 | 6,827.24 | 0.88 | 451 | 448 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,690,107.37 | 6.05 |
| D10059-D10057 | 8 | 230 | 0.004 | 10.6 | 10,530.12 | 0.88 | 449 | 448 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 608,588.71 | 3.14 |
| F07109-F07083 | 8 | 295 | 0.003 | 22.3 | 18,735.11 | 0.88 | 475 | 474 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 537,374.18 | 2.77 |
| E07127-E07125 | 8 | 247 | 0.004 | 12.3 | 16,736.59 | 0.88 | 476 | 475 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,272.05 | 3.03 |
| E11011-E11009 | 8 | 62 | 0.016 | 4.2 | 2,149.74 | 0.88 | 427 | 426 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,172,173.67 | 6.05 |
| D07019-D07017 | 8 | 344 | 0.017 | 4.1 | 2,626.57 | 0.88 | 506 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,218,945.28 | 6.29 |
| E13045-E12035 | 8 | 211 | 0.009 | 10 | 7,092.46 | 0.88 | 418 | 416 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 898,589.99 | 4.63 |
| E13111-E13059 | 8 | 301 | 0.01 | 20.4 | 5,935.61 | 0.88 | 415 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 921,436.02 | 4.75 |
| F06101-F06065 | 8 | 325 | 0.003 | 23.7 | 23,781.94 | 0.88 | 483 | 482 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 511,971.90 | 2.64 |
| G04001-G05013 | 8 | 256 | 0.008 | 10.7 | 16,445.10 | 0.88 | 478 | 476 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 815,798.35 | 4.21 |
| G09037-G09035 | 8 | 216 | 0.009 | 5.2 | 4,299.47 | 0.88 | 429 | 427 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 888,128.75 | 4.58 |
| F13115-F13113 | 8 | 171 | 0.006 | 8.3 | 10,042.33 | 0.88 | 418 | 417 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 705,813.16 | 3.64 |
| D11057-E11049 | 8 | 275 | 0.015 | 4.5 | 3,653.42 | 0.88 | 432 | 428 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,113,144.27 | 5.74 |
| E18065-E18063 | 8 | 167 | 0.006 | 8.3 | 10,282.78 | 0.88 | 544.15 | 543.1 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 731,853.61 | 3.77 |
| F07159-F07157 | 8 | 322 | 0.009 | 7 | 6,063.68 | 0.88 | 464 | 461 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 890,882.65 | 4.59 |
| J08017-J08015 | 8 | 174 | 0.004 | 13.3 | 17,357.00 | 0.88 | 402.2 | 401.55 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 564,117.88 | 2.91 |
| F04183-F04181 | 8 | 204 | 0.003 | 15.6 | 24,925.92 | 0.88 | 527.54 | 527 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 474,864.39 | 2.45 |
| J08021-J08019 | 8 | 301 | 0.003 | 12.3 | 17,536.32 | 0.88 | 404.35 | 403.31 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 542,526.84 | 2.80 |
| E15005-E15003 | 8 | 191 | 0.016 | 22.2 | 3,180.51 | 0.88 | 459 | 456 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,156,729.34 | 5.97 |
| D15035-D15033 | 8 | 136 | 0.008 | 8.5 | 7,510.48 | 0.88 | 459.12 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 837,582.06 | 4.32 |
| D12001-E12031 | 8 | 249 | 0.008 | 7.3 | 7,541.76 | 0.89 | 422 | 420 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 827,185.92 | 4.27 |
| K14005-K14003 | 8 | 308 | 0.006 | 8.6 | 8,021.47 | 0.89 | 327 | 325 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 743,750.80 | 3.84 |
| E17017-E16067 | 8 | 258 | 0.012 | 6.1 | 4,530.29 | 0.89 | 503 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 995,264.66 | 5.13 |
| E16079-E17021 | 8 | 147 | 0.003 | 14.2 | 23,324.82 | 0.89 | 499.5 | 499 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 538,287.31 | 2.78 |
| E06013-E06011 | 8 | 257 | 0.004 | 17.2 | 14,129.68 | 0.89 | 519 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 575,733.16 | 2.97 |
| F04031-G04133 | 8 | 298 | 0.01 | 6.1 | 5,452.07 | 0.89 | 504 | 501 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 926,062.51 | 4.78 |
| H10009-H10007 | 12 | 214 | 0.002 | 15.9 | 59,727.57 | 0.89 | 386.6 | 386.26 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,084,668.60 | 2.10 |
| J06057-J06047 | 8 | 303 | 0.006 | 7.4 | 7,942.86 | 0.89 | 427.04 | 425.15 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 728,949.42 | 3.76 |
| H07023-H07009 | 12 | 252 | 0.003 | 13.6 | 25,726.05 | 0.89 | 436 | 435.26 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,474,619.89 | 2.85 |
| H11067-H11065 | 8 | 116 | 0.005 | 8.2 | 9,083.85 | 0.89 | 385.6 | 385 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 663,795.70 | 3.42 |
| D04125-E04095 | 6 | 292 | 0.01 | 8.6 | 4,587.60 | 0.89 | 568 | 565 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 434,397.23 | 3.36 |
| D04123-E04093 | 6 | 292 | 0.01 | 8.6 | 4,587.60 | 0.89 | 571 | 568 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 434,397.23 | 3.36 |
| J08123-J08027 | 8 | 171 | 0.003 | 12.7 | 18,232.69 | 0.89 | 405.56 | 405 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 528,182.21 | 2.72 |
| E08021-E08019 | 8 | 284 | 0.004 | 12.6 | 15,599.86 | 0.89 | 448 | 447 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 547,682.21 | 2.82 |
| G14095-H14029 | 8 | 266 | 0.004 | 9.2 | 10,513.68 | 0.89 | 396.78 | 395.65 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 601,570.06 | 3.10 |
| E08069-E08047 | 8 | 278 | 0.007 | 20.3 | 7,177.95 | 0.89 | 463 | 461 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 782,853.34 | 4.04 |
| G11029-G11027 | 8 | 302 | 0.003 | 13.5 | 16,411.38 | 0.89 | 385 | 384 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 531,109.83 | 2.74 |
| J11033-J11031 | 8 | 330 | 0.005 | 34.8 | 12,261.92 | 0.89 | 378 | 376.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 622,266.57 | 3.21 |
| L13135-L13133 | 8 | 296 | 0.003 | 12.9 | 17,303.18 | 0.89 | 319 | 318 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 536,465.69 | 2.77 |
| D06049-D06047 | 8 | 317 | 0.006 | 9.5 | 8,556.66 | 0.89 | 559 | 557 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 733,116.80 | 3.78 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| F04143-F04141 | 8 | 20 | 0.05 | 23.3 | 797.19 | 0.89 | 519 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,063,824.72 | 10.64 |
| K12045-K11077 | 8 | 288 | 0.003 | 12.2 | 15,864.26 | 0.89 | 352 | 351 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 543,865.57 | 2.80 |
| D08085-D08083 | 8 | 152 | 0.013 | 5.3 | 4,222.64 | 0.89 | 460 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,058,719.74 | 5.46 |
| C07087-C07081 | 8 | 282 | 0.004 | 13.2 | 20,362.10 | 0.89 | 522 | 521 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 549,620.92 | 2.83 |
| D04071-D04069 | 8 | 175 | 0.017 | 29 | 2,896.33 | 0.89 | 574 | 571 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,208,452.02 | 6.23 |
| D16081-D15011 | 8 | 108 | 0.005 | 10.9 | 14,452.38 | 0.89 | 480.95 | 480.44 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 634,250.79 | 3.27 |
| E04041-E04035 | 8 | 264 | 0.004 | 13.4 | 18,753.12 | 0.89 | 545 | 544 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 568,049.06 | 2.93 |
| E02033-E02031 | 8 | 257 | 0.004 | 10.4 | 13,184.55 | 0.89 | 568.5 | 567.48 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 582,031.77 | 3.00 |
| G05147-G05145 | 8 | 306 | 0.02 | 47.4 | 2,107.69 | 0.89 | 490 | 484 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,292,417.17 | 6.67 |
| J11121-J11119 | 8 | 334 | 0.012 | 9.8 | 4,580.75 | 0.89 | 380 | 376 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,010,053.95 | 5.21 |
| F14095-F14085 | 8 | 253 | 0.012 | 9.8 | 5,146.10 | 0.89 | 440 | 437 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,005,051.17 | 5.18 |
| F13111-F13109 | 8 | 89 | 0.006 | 11.1 | 11,602.76 | 0.89 | 416 | 415.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 691,795.62 | 3.57 |
| G03023-G03021 | 8 | 349 | 0.011 | 6.1 | 4,349.71 | 0.9 | 507 | 503 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 988,109.53 | 5.10 |
| G07069-G07063 | 8 | 249 | 0.012 | 6 | 3,945.03 | 0.9 | 462 | 459 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,013,091.71 | 5.22 |
| C07053-C07051 | 8 | 328 | 0.003 | 15.7 | 27,321.10 | 0.9 | 513 | 512 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 509,625.19 | 2.63 |
| E15091-E15057 | 8 | 325 | 0.006 | 13.1 | 9,918.05 | 0.9 | 460 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 724,037.61 | 3.73 |
| E02049-E02047 | 8 | 253 | 0.008 | 7.3 | 6,115.38 | 0.9 | 588.69 | 586.57 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 844,880.87 | 4.36 |
| F13103-F13101 | 8 | 277 | 0.004 | 13.3 | 20,869.28 | 0.9 | 412 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 554,559.21 | 2.86 |
| E14137-E14135 | 10 | 331 | 0.006 | 6.9 | 12,468.71 | 0.9 | 442 | 440 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,300,814.92 | 4.03 |
| E18067-E18065 | 8 | 259 | 0.007 | 7.9 | 8,718.74 | 0.9 | 546.02 | 544.15 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 784,257.59 | 4.04 |
| D03069-D03067 | 8 | 275 | 0.007 | 7.9 | 10,113.15 | 0.9 | 610 | 608 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 787,111.86 | 4.06 |
| F12115-F12113 | 8 | 224 | 0.009 | 7.3 | 7,111.52 | 0.9 | 407 | 405 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 872,125.12 | 4.50 |
| E12033-E12025 | 10 | 246 | 0.004 | 100 | 24,883.84 | 0.9 | 415 | 414 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,066,957.09 | 3.30 |
| C05025-C05023 | 8 | 285 | 0.042 | 2.5 | 1,094.80 | 0.9 | 618 | 606 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,893,895.45 | 9.77 |
| E09051-E09047 | 8 | 283 | 0.014 | 7 | 3,051.36 | 0.9 | 442 | 438 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,097,297.99 | 5.66 |
| F04073-F04071 | 8 | 265 | 0.004 | 11.4 | 15,678.77 | 0.9 | 517.91 | 516.88 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 575,418.05 | 2.97 |
| K12053-K12051 | 8 | 362 | 0.003 | 14.9 | 23,258.96 | 0.9 | 347 | 346 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 485,102.51 | 2.50 |
| H04027-H04025 | 8 | 242 | 0.008 | 9.7 | 16,594.38 | 0.9 | 480 | 478 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 839,064.07 | 4.33 |
| H11021-H11019 | 8 | 201 | 0.01 | 100 | 4,296.11 | 0.9 | 370 | 368 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 920,671.66 | 4.75 |
| D14099-D14097 | 8 | 100 | 0.005 | 9.9 | 13,106.99 | 0.9 | 457 | 456.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 652,638.68 | 3.37 |
| G05067-H05035 | 8 | 247 | 0.012 | 9 | 9,782.24 | 0.9 | 467 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,017,185.03 | 5.25 |
| D14107-D14105 | 8 | 80 | 0.025 | 3 | 1,987.82 | 0.9 | 462 | 460 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,459,344.45 | 7.53 |
| C02088-C02086 | 8 | 0 | 0.025 | 4.3 | 2,584.29 | 0.9 | 660 | 653.57 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,471,407.73 | 7.59 |
| D08089-D08087 | 8 | 333 | 0.012 | 4.7 | 3,740.51 | 0.9 | 467 | 463 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,011,569.41 | 5.22 |
| E11019-F11015 | 8 | 388 | 0.005 | 10.6 | 15,485.79 | 0.9 | 402 | 400 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 662,654.18 | 3.42 |
| J14077-J14075 | 8 | 258 | 0.004 | 12 | 14,386.36 | 0.9 | 338 | 337 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 574,616.32 | 2.96 |
| E04065-E04059 | 8 | 125 | 0.016 | 5.6 | 3,276.85 | 0.9 | 549 | 547 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,167,475.56 | 6.02 |
| E08029-E08027 | 15 | 261 | 0.011 | 2.3 | 4,702.38 | 0.9 | 457 | 454 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,289,706.47 | 6.82 |
| C02067-C02065 | 8 | 274 | 0.011 | 6.2 | 5,463.49 | 0.9 | 632 | 629 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 965,768.76 | 4.98 |
| E04019-E04017 | 8 | 244 | 0.012 | 5.5 | 4,587.60 | 0.9 | 556 | 553 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,023,419.11 | 5.28 |
| K12063-K12061 | 8 | 350 | 0.003 | 13.9 | 20,365.31 | 0.9 | 368 | 367 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 493,348.47 | 2.54 |
| G08001-G09049 | 8 | 379 | 0.005 | 8.4 | 9,656.39 | 0.9 | 433 | 431 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 670,475.94 | 3.46 |
| F01021-F01019 | 8 | 193 | 0.007 | 6.7 | 7,083.25 | 0.9 | 537.31 | 535.9 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 788,894.10 | 4.07 |
| H14025-H14023 | 8 | 181 | 0.005 | 9 | 10,746.19 | 0.9 | 394.89 | 394 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 647,207.47 | 3.34 |
| F09011-F09005 | 8 | 256 | 0.013 | 5.6 | 3,086.37 | 0.9 | 425 | 421.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,031,912.36 | 5.32 |
| D07079-D07077 | 8 | 234 | 0.004 | 11.7 | 14,243.51 | 0.9 | 526 | 525 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 603,364.67 | 3.11 |
| F02173-F02171 | 8 | 88 | 0.007 | 10.9 | 8,338.35 | 0.9 | 548.69 | 548.05 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 769,810.59 | 3.97 |
| C07051-C07023 | 8 | 303 | 0.003 | 15.5 | 27,674.85 | 0.9 | 512 | 511 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 530,232.68 | 2.73 |
| E04087-E04085 | 8 | 335 | 0.006 | 15.8 | 11,020.85 | 0.9 | 561 | 559 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 713,149.20 | 3.68 |
| G08109-G08107 | 8 | 312 | 0.007 | 9.1 | 8,974.45 | 0.9 | 429 | 426.71 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 790,730.06 | 4.08 |
| E03079-E03077 | 8 | 267 | 0.011 | 13.1 | 5,228.17 | 0.91 | 556 | 553 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 978,346.74 | 5.05 |
| G11051-G11049 | 8 | 123 | 0.008 | 6.4 | 5,429.64 | 0.91 | 386 | 385 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 832,214.45 | 4.29 |
| L13019-L13017 | 10 | 281 | 0.004 | 100 | 331,567.65 | 0.91 | 324 | 323 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 998,300.64 | 3.09 |
| J11037-J11035 | 8 | 308 | 0.003 | 37.6 | 17,061.87 | 0.91 | 378 | 377 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 525,911.24 | 2.71 |
| F06011-F06007 | 8 | 200 | 0.01 | 6.7 | 6,055.62 | 0.91 | 474 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 922,970.47 | 4.76 |
| B01033-B01031 | 8 | 294 | 0.027 | 2.6 | 1,829.62 | 0.91 | 683.4 | 675.45 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,504,997.50 | 7.76 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| E05117-E05115 | 8 | 204 | 0.01 | 6.3 | 5,555.02 | 0.91 | 523 | 521 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 913,876.95 | 4.71 |
| K13025-K14067 | 8 | 263 | 0.008 | 7.9 | 7,080.47 | 0.91 | 335 | 333 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 804,868.50 | 4.15 |
| C03007-C04021 | 12 | 296 | 0.014 | 3.3 | 5,807.47 | 0.91 | 645 | 641 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,163,360.14 | 6.12 |
| H13023-H13021 | 8 | 125 | 0.002 | 16.6 | 24,539.83 | 0.91 | 372.3 | 372 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 452,161.34 | 2.33 |
| E08009-E08007 | 8 | 321 | 0.012 | 5.1 | 3,415.29 | 0.91 | 455 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,030,303.76 | 5.31 |
| G08035-G08033 | 8 | 252 | 0.008 | 6.5 | 5,906.56 | 0.91 | 435 | 433 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 822,247.45 | 4.24 |
| E16041-E16039 | 8 | 242 | 0.004 | 11.4 | 16,328.74 | 0.91 | 482 | 481 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 593,307.89 | 3.06 |
| F07093-F07091 | 8 | 247 | 0.004 | 12.9 | 19,452.27 | 0.91 | 479 | 478 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,272.05 | 3.03 |
| F17030-F17015 | 8 | 164 | 0.006 | 22.5 | 22,361.82 | 0.91 | 516.23 | 515.23 | | 0.3 | 609,839.03 | 3.15 |
| D01033-D01031 | 8 | 328 | 0.009 | 6.4 | 6,559.74 | 0.91 | 629 | 626 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 882,696.72 | 4.55 |
| C04013-C04011 | 8 | 246 | 0.028 | 3.3 | 1,822.21 | 0.91 | 633 | 626 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,556,930.67 | 8.03 |
| H11087-H11085 | 8 | 313 | 0.006 | 8.7 | 7,630.76 | 0.91 | 381 | 379 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 737,786.38 | 3.81 |
| D04021-D04019 | 8 | 273 | 0.018 | 4.7 | 2,917.58 | 0.91 | 607 | 602 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,249,083.54 | 6.44 |
| G15027-G14075 | 8 | 143 | 0.014 | 5.7 | 3,132.67 | 0.91 | 424.56 | 422.59 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,083,310.37 | 5.59 |
| E15023-D15007 | 8 | 214 | 0.017 | 7.7 | 3,180.51 | 0.91 | 481 | 477.32 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,210,332.88 | 6.24 |
| E04115-E05107 | 6 | 396 | 0.013 | 22.1 | 3,932.23 | 0.91 | 546 | 541 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 481,565.37 | 3.73 |
| E04109-E05101 | 6 | 396 | 0.013 | 25.6 | 3,932.23 | 0.91 | 540 | 535 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 481,565.37 | 3.73 |
| E12067-E12065 | 8 | 256 | 0.002 | 21.4 | 40,927.90 | 0.91 | 413.5 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 407,899.17 | 2.10 |
| G12037-G12035 | 8 | 223 | 0.004 | 19.1 | 13,483.29 | 0.91 | 388 | 387 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 618,066.74 | 3.19 |
| G07083-G07081 | 8 | 270 | 0.004 | 13.2 | 21,100.63 | 0.92 | 452 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 561,701.94 | 2.90 |
| E03117-E03115 | 8 | 354 | 0.011 | 5.5 | 5,735.80 | 0.92 | 581 | 577 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 981,106.54 | 5.06 |
| F09125-F09109 | 8 | 230 | 0.009 | 7.9 | 5,368.31 | 0.92 | 431 | 429 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 860,674.40 | 4.44 |
| F04105-F04103 | 8 | 255 | 0.008 | 7.1 | 7,473.83 | 0.92 | 530 | 528 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 817,396.39 | 4.22 |
| H13021-H13019 | 8 | 258 | 0.002 | 17.4 | 28,396.97 | 0.92 | 372 | 371.44 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 430,003.48 | 2.22 |
| K11067-K11065 | 8 | 337 | 0.006 | 12.2 | 9,435.28 | 0.92 | 350 | 348 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 711,029.88 | 3.67 |
| F15131-F15129 | 8 | 187 | 0.005 | 10.2 | 14,236.60 | 0.92 | 451 | 450 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 674,942.85 | 3.48 |
| E17041-E17040 | 8 | 247 | 0.008 | 6.9 | 7,951.27 | 0.92 | 525 | 523 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 830,528.10 | 4.28 |
| E14123-E13095 | 8 | 253 | 0.008 | 8.1 | 8,712.17 | 0.92 | 430 | 428 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 820,620.84 | 4.23 |
| D04107-D04079 | 8 | 331 | 0.009 | 10.8 | 6,543.88 | 0.92 | 583 | 580 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 878,687.48 | 4.53 |
| E12123-E12121 | 8 | 65 | 0.015 | 4.9 | 3,963.20 | 0.92 | 413 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,144,803.98 | 5.90 |
| E14041-E14101 | 8 | 226 | 0.031 | 3.2 | 1,590.25 | 0.92 | 447 | 440 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,624,361.20 | 8.38 |
| C04079-C04077 | 8 | 145 | 0.028 | 2.8 | 1,824.67 | 0.92 | 641 | 637 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,532,970.51 | 7.91 |
| C07033-C07027 | 8 | 161 | 0.019 | 3.8 | 2,633.18 | 0.92 | 518 | 515 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,259,898.32 | 6.50 |
| E18109-E18107 | 8 | 48 | 0.021 | 4 | 2,769.18 | 0.92 | 539 | 538 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,332,193.13 | 6.87 |
| J12043-J12041 | 21 | 478 | 0 | 36.5 | 755,998.87 | 0.92 | 360 | 359.77 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 2,654,702.94 | 1.71 |
| K09005-K09003 | 12 | 301 | 0.006 | 11 | 51,027.95 | 0.92 | 381.52 | 379.69 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,121,811.48 | 4.10 |
| G04057-G04055 | 8 | 251 | 0.008 | 9.9 | 16,891.65 | 0.92 | 486 | 484 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 823,883.76 | 4.25 |
| H06055-H07015 | 8 | 361 | 0.005 | 13.4 | 12,184.83 | 0.92 | 439 | 437.19 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 653,541.99 | 3.37 |
| J11155-J11151 | 8 | 201 | 0.011 | 6.9 | 6,083.93 | 0.92 | 375 | 372.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 965,608.59 | 4.98 |
| K15027-K15025 | 8 | 340 | 0.003 | 15.7 | 21,410.92 | 0.92 | 320 | 319 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 500,551.02 | 2.58 |
| C03023-C03021 | 8 | 228 | 0.018 | 4 | 3,280.75 | 0.92 | 665 | 661 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,222,504.25 | 6.30 |
| H04023-H04021 | 8 | 108 | 0.009 | 10.5 | 16,360.81 | 0.92 | 476 | 475 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 888,128.75 | 4.58 |
| F02061-F02057 | 8 | 155 | 0.01 | 56.9 | 7,313.40 | 0.92 | 525.59 | 524 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 934,803.91 | 4.82 |
| D07015-D07013 | 8 | 342 | 0.012 | 5.9 | 5,244.59 | 0.92 | 497 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 998,170.54 | 5.15 |
| F07139-F07137 | 8 | 64 | 0.016 | 5.5 | 4,169.97 | 0.92 | 467 | 466 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,153,713.09 | 5.95 |
| H14029-H14027 | 8 | 126 | 0.005 | 9.3 | 10,509.86 | 0.92 | 395.65 | 395.01 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 657,797.96 | 3.39 |
| K14099-K14097 | 8 | 290 | 0.008 | 8.3 | 6,364.17 | 0.92 | 324 | 321.6 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 839,642.53 | 4.33 |
| J11090-J11089 | 8 | 224 | 0.002 | 23.5 | 50,469.34 | 0.92 | 371.46 | 371 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 418,256.51 | 2.16 |
| E05123-E05121 | 8 | 369 | 0.005 | 10.5 | 12,157.79 | 0.92 | 530 | 528 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 679,500.25 | 3.50 |
| C02063-D02037 | 8 | 295 | 0.02 | 4.1 | 2,554.53 | 0.92 | 633 | 627 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,316,292.55 | 6.79 |
| E06113-E06111 | 8 | 252 | 0.004 | 12.9 | 20,203.02 | 0.92 | 495 | 494 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 581,416.75 | 3.00 |
| E07097-E07083 | 8 | 250 | 0.008 | 12.3 | 7,189.06 | 0.92 | 471 | 469 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 825,529.89 | 4.26 |
| E06027-E06025 | 8 | 276 | 0.004 | 27.2 | 18,413.00 | 0.92 | 490 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 555,562.94 | 2.87 |
| D10055-D10045 | 8 | 278 | 0.022 | 7.1 | 1,765.44 | 0.92 | 467 | 461 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,355,941.75 | 6.99 |
| F16001-F15085 | 8 | 254 | 0.02 | 3.9 | 2,782.94 | 0.93 | 484 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,294,958.80 | 6.68 |
| K09011-K09009 | 12 | 300 | 0.005 | 11.1 | 51,454.84 | 0.93 | 388.16 | 386.56 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,987,301.97 | 3.84 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| E16071-E15109 | 8 | 257 | 0.016 | 4.9 | 3,966.08 | 0.93 | 484 | 480 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,151,466.32 | 5.94 |
| H10039-H10037 | 12 | 572 | 0.002 | 15.3 | 56,381.52 | 0.93 | 388 | 387.05 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,108,991.68 | 2.14 |
| G12041-G12039 | 8 | 220 | 0.005 | 9.9 | 12,791.59 | 0.93 | 391 | 390 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 622,266.57 | 3.21 |
| J11043-J11041 | 8 | 289 | 0.003 | 26.1 | 17,142.69 | 0.93 | 380 | 379 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 542,923.81 | 2.80 |
| H12051-H12037 | 8 | 171 | 0.011 | 10.5 | 3,928.89 | 0.93 | 366.1 | 364.24 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 962,600.81 | 4.96 |
| E13095-E13093 | 8 | 264 | 0.006 | 12.9 | 11,868.62 | 0.93 | 428 | 426.32 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 736,275.73 | 3.80 |
| P-5582 | 8 | 0 | 0.004 | 12.2 | 17,871.71 | 0.93 | 405 | 404.35 | | 0.3 | 569,044.76 | 2.93 |
| C01007-D01033 | 8 | 313 | 0.016 | 5.1 | 3,647.46 | 0.93 | 634 | 629 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,166,542.70 | 6.02 |
| G04129-G04127 | 8 | 295 | 0.007 | 9.5 | 10,452.54 | 0.93 | 496 | 494 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 759,961.86 | 3.92 |
| E12159-F12153 | 8 | 397 | 0.005 | 12.6 | 21,351.29 | 0.93 | 405 | 403 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,099.93 | 3.38 |
| F09105-F09103 | 8 | 59 | 0.003 | 12.7 | 18,402.95 | 0.93 | 427 | 426.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 537,374.18 | 2.77 |
| H13089-H13087 | 8 | 353 | 0.003 | 14.4 | 20,853.96 | 0.93 | 377 | 376 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 491,247.61 | 2.53 |
| F04021-F04003 | 8 | 306 | 0.016 | 9.6 | 3,518.67 | 0.93 | 511 | 506 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,179,810.06 | 6.08 |
| L14005-L13137 | 8 | 310 | 0.006 | 9.3 | 9,209.82 | 0.93 | 322 | 320 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 741,347.72 | 3.82 |
| K14043-K14041 | 8 | 242 | 0.004 | 12.7 | 15,476.02 | 0.93 | 328 | 327 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 593,307.89 | 3.06 |
| C03001-C04005 | 8 | 281 | 0.014 | 4.9 | 4,667.07 | 0.93 | 643 | 639 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,101,196.04 | 5.68 |
| E11007-E10057 | 8 | 330 | 0.006 | 18.3 | 8,591.61 | 0.93 | 425 | 423 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 718,531.54 | 3.71 |
| D02095-D02093 | 8 | 287 | 0.003 | 14.5 | 24,430.07 | 0.93 | 611 | 610 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 544,812.24 | 2.81 |
| D05059-D05057 | 8 | 324 | 0.006 | 14.9 | 12,054.38 | 0.93 | 589 | 587 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 725,154.09 | 3.74 |
| F15129-F15089 | 8 | 187 | 0.005 | 20.8 | 15,402.44 | 0.93 | 450 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 674,942.85 | 3.48 |
| G12097-G12095 | 10 | 261 | 0.008 | 14.7 | 8,543.18 | 0.93 | 381 | 379 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,464,904.30 | 4.53 |
| G14007-G14005 | 8 | 246 | 0.016 | 5.1 | 2,431.10 | 0.93 | 411 | 407 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,176,928.96 | 6.07 |
| E08055-E08053 | 8 | 208 | 0.01 | 7.2 | 5,751.25 | 0.93 | 466 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 905,047.01 | 4.67 |
| F12153-F12151 | 8 | 398 | 0.005 | 13 | 22,892.62 | 0.93 | 403 | 401 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 654,276.42 | 3.37 |
| E15063-E15061 | 8 | 330 | 0.006 | 10.8 | 13,810.23 | 0.93 | 464 | 462 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 718,531.54 | 3.71 |
| L14011-L14009 | 8 | 393 | 0.005 | 9.4 | 11,946.14 | 0.93 | 327 | 325 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 658,425.33 | 3.40 |
| E13001-E12021 | 8 | 313 | 0.003 | 15 | 25,384.58 | 0.93 | 418 | 417 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 521,693.76 | 2.69 |
| E07079-E07077 | 8 | 153 | 0.013 | 5.5 | 4,313.44 | 0.93 | 478 | 476 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,055,254.20 | 5.44 |
| G11049-G11047 | 8 | 296 | 0.007 | 7.7 | 7,576.23 | 0.93 | 385 | 383 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 758,677.05 | 3.91 |
| F15115-F15111 | 8 | 179 | 0.022 | 5.5 | 2,385.38 | 0.93 | 482 | 478 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,379,721.04 | 7.12 |
| F07119-F07117 | 8 | 248 | 0.004 | 13.6 | 21,772.16 | 0.93 | 476 | 475 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 586,086.84 | 3.02 |
| E03255-F03179 | 8 | 289 | 0.01 | 7.4 | 5,559.98 | 0.93 | 541 | 538 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 940,371.62 | 4.85 |
| K11077-K11075 | 8 | 277 | 0.004 | 12.6 | 18,756.84 | 0.93 | 351 | 350 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 554,559.21 | 2.86 |
| J12067-J12065 | 8 | 542 | 0.013 | 14.7 | 5,128.42 | 0.93 | 369 | 362 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,048,907.48 | 5.41 |
| F04117-F05055 | 8 | 169 | 0.004 | 18.4 | 20,282.96 | 0.93 | 511.62 | 511 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 559,036.67 | 2.88 |
| E11053-E11051 | 8 | 297 | 0.015 | 5.9 | 4,208.76 | 0.94 | 427.59 | 423 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,147,402.85 | 5.92 |
| G08027-G09063 | 8 | 104 | 0.005 | 9.8 | 12,853.32 | 0.94 | 429.5 | 429 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 639,964.88 | 3.30 |
| E04141-E04137 | 8 | 262 | 0.008 | 7.6 | 8,604.90 | 0.94 | 532 | 530 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 806,403.05 | 4.16 |
| D19003-D19001 | 8 | 227 | 0.011 | 6.9 | 9,374.20 | 0.94 | 546.23 | 543.62 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 987,508.03 | 5.09 |
| F08047-G08019 | 8 | 337 | 0.004 | 11.9 | 16,915.77 | 0.94 | 444 | 442.74 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 564,362.47 | 2.91 |
| F13131-F12141 | 8 | 235 | 0.009 | 7.7 | 9,357.01 | 0.94 | 408 | 406 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 851,469.06 | 4.39 |
| G14087-G14065 | 8 | 357 | 0.008 | 9.4 | 5,739.68 | 0.94 | 412 | 409 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 846,085.64 | 4.36 |
| F12151-F12149 | 8 | 400 | 0.005 | 13.2 | 24,433.68 | 0.94 | 401 | 399 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 652,638.68 | 3.37 |
| E11057-E11055 | 8 | 223 | 0.013 | 5.5 | 4,572.12 | 0.94 | 425 | 422 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,070,523.00 | 5.52 |
| F04011-F04009 | 8 | 248 | 0.008 | 7.9 | 8,208.45 | 0.94 | 520 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 828,851.95 | 4.27 |
| D02033-D02031 | 8 | 261 | 0.004 | 13.4 | 22,089.46 | 0.94 | 620 | 619 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 571,304.38 | 2.95 |
| J08125-J08123 | 8 | 345 | 0.003 | 12.8 | 18,978.32 | 0.94 | 406.75 | 405.56 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 542,065.47 | 2.80 |
| F04033-F04031 | 8 | 299 | 0.013 | 5.1 | 4,694.03 | 0.94 | 508 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,067,535.21 | 5.51 |
| G15021-G15017 | 8 | 281 | 0.011 | 5.7 | 6,004.08 | 0.94 | 452 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 953,663.75 | 4.92 |
| E03127-E03125 | 8 | 378 | 0.008 | 9.5 | 9,109.55 | 0.94 | 578 | 575 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 822,247.45 | 4.24 |
| H08007-H08005 | 12 | 195 | 0.003 | 13.8 | 50,831.94 | 0.94 | 428 | 427.44 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,458,280.96 | 2.82 |
| H11071-H11039 | 8 | 221 | 0.011 | 100 | 4,473.93 | 0.94 | 373 | 370.65 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 951,755.95 | 4.91 |
| J07077-J07075 | 10 | 301 | 0.003 | 14.6 | 42,297.82 | 0.94 | 409.59 | 408.69 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 915,066.20 | 2.83 |
| J14123-J14119 | 8 | 270 | 0.004 | 16.4 | 20,130.07 | 0.94 | 336 | 335 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 561,701.94 | 2.90 |
| G04095-G04093 | 8 | 356 | 0.008 | 24 | 7,487.35 | 0.94 | 502 | 499 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 847,273.13 | 4.37 |
| E18005-E18003 | 12 | 291 | 0.003 | 12.7 | 37,510.38 | 0.94 | 518 | 517 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,595,210.51 | 3.09 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| D01039-D01037 | 8 | 329 | 0.009 | 6.8 | 7,648.81 | 0.94 | 624 | 621 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 881,354.21 | 4.55 |
| D14097-D14095 | 8 | 93 | 0.005 | 10.1 | 14,283.16 | 0.94 | 456.5 | 456 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 676,754.78 | 3.49 |
| E16045-E15069 | 8 | 337 | 0.015 | 5.3 | 4,753.67 | 0.94 | 484 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,124,236.96 | 5.80 |
| D04065-D04063 | 8 | 97 | 0.021 | 28.3 | 2,863.18 | 0.94 | 571 | 569 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,325,308.36 | 6.84 |
| E11043-E11041 | 8 | 242 | 0.008 | 9.7 | 7,924.07 | 0.94 | 419 | 417 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 839,064.07 | 4.33 |
| J11181-J11090 | 8 | 174 | 0.005 | 17 | 15,492.11 | 0.94 | 372.36 | 371.46 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 663,795.70 | 3.42 |
| E15109-E15107 | 8 | 254 | 0.012 | 6.4 | 5,942.07 | 0.94 | 480 | 477 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,003,070.77 | 5.17 |
| G15029-G15027 | 8 | 54 | 0.016 | 3.8 | 2,872.55 | 0.94 | 425.41 | 424.56 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,157,978.22 | 5.97 |
| E16077-F16049 | 8 | 423 | 0.002 | 21.4 | 41,693.66 | 0.94 | 497 | 496 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 448,763.60 | 2.31 |
| G15069-G15067 | 8 | 291 | 0.007 | 7.5 | 6,874.03 | 0.94 | 496 | 494 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 765,167.14 | 3.95 |
| F13009-F13007 | 8 | 436 | 0.005 | 9.5 | 11,547.31 | 0.94 | 411 | 409 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 625,114.48 | 3.22 |
| D15025-D15023 | 8 | 140 | 0.007 | 8.2 | 10,728.71 | 0.94 | 465 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 780,052.42 | 4.02 |
| F19047-F19045 | 8 | 187 | 0.005 | 10.9 | 16,249.27 | 0.94 | 570.85 | 569.91 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 652,638.68 | 3.37 |
| G03053-G03051 | 8 | 353 | 0.011 | 5.6 | 5,147.30 | 0.94 | 514 | 510 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 982,495.23 | 5.07 |
| H13077-H13093 | 8 | 216 | 0.005 | 9.4 | 11,473.76 | 0.94 | 383 | 382 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 628,001.86 | 3.24 |
| C03003-C03001 | 8 | 294 | 0.02 | 4.1 | 2,881.64 | 0.94 | 649 | 643 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,318,529.25 | 6.80 |
| K14059-K14057 | 8 | 255 | 0.004 | 12.7 | 18,867.65 | 0.95 | 329 | 328 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 577,986.53 | 2.98 |
| C03009-C03007 | 12 | 296 | 0.017 | 3 | 4,726.06 | 0.95 | 650 | 645 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,536,744.16 | 6.84 |
| H07013-H07011 | 8 | 139 | 0.002 | 20.1 | 37,751.56 | 0.95 | 436.3 | 436 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 428,786.43 | 2.21 |
| F13091-F12093 | 8 | 234 | 0.009 | 8.5 | 9,444.49 | 0.95 | 407 | 405 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 853,286.50 | 4.40 |
| G08097-G08095 | 8 | 105 | 0.005 | 11.5 | 17,887.27 | 0.95 | 447 | 446.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 636,910.14 | 3.28 |
| F05143-F05141 | 8 | 175 | 0.008 | 8.9 | 8,577.66 | 0.95 | 500.77 | 499.35 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 831,405.62 | 4.29 |
| F11029-F11027 | 8 | 278 | 0.004 | 50.5 | 24,292.24 | 0.95 | 399.64 | 398.6 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 564,523.57 | 2.91 |
| K14061-K14059 | 8 | 238 | 0.004 | 12 | 17,214.94 | 0.95 | 330 | 329 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 598,272.90 | 3.09 |
| E04133-E04131 | 8 | 345 | 0.012 | 6.3 | 5,143.19 | 0.95 | 537 | 533 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 993,821.20 | 5.13 |
| G07027-G07023 | 8 | 68 | 0.007 | 9.7 | 10,756.38 | 0.95 | 448 | 447.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 791,440.65 | 4.08 |
| F10061-F10059 | 8 | 109 | 0.009 | 8.8 | 5,348.63 | 0.95 | 409 | 408 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 884,045.38 | 4.56 |
| E07125-F07133 | 8 | 247 | 0.004 | 13.2 | 21,448.78 | 0.95 | 475 | 474 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,272.05 | 3.03 |
| C06047-C06045 | 8 | 263 | 0.019 | 4.1 | 2,875.62 | 0.95 | 568 | 563 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,272,608.84 | 6.56 |
| C06063-C06061 | 8 | 314 | 0.029 | 2.8 | 1,650.49 | 0.95 | 555 | 546 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,562,587.11 | 8.06 |
| E12031-E12029 | 8 | 249 | 0.008 | 8 | 9,906.06 | 0.95 | 420 | 418 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 827,185.92 | 4.27 |
| F12147-F12145 | 8 | 399 | 0.003 | 22.3 | 50,583.01 | 0.95 | 400 | 399 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 462,063.18 | 2.38 |
| F12141-F12139 | 8 | 257 | 0.008 | 8.4 | 10,926.90 | 0.95 | 406 | 404 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 814,209.65 | 4.20 |
| E18011-E18009 | 8 | 300 | 0.035 | 8.2 | 1,587.14 | 0.95 | 530 | 519.56 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,721,779.09 | 8.88 |
| F07133-F07131 | 8 | 247 | 0.004 | 13.8 | 22,484.16 | 0.95 | 474 | 473 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,272.05 | 3.03 |
| G09131-G09129 | 8 | 370 | 0.008 | 8.8 | 9,559.01 | 0.95 | 421 | 418 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 831,089.07 | 4.29 |
| D05089-D05081 | 10 | 301 | 0.017 | 6 | 4,365.82 | 0.95 | 593 | 588 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,156,831.72 | 6.67 |
| C07015-D07079 | 8 | 223 | 0.009 | 8.5 | 7,172.01 | 0.95 | 528 | 526 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 874,078.37 | 4.51 |
| J07079-J07077 | 10 | 159 | 0.003 | 14.6 | 42,301.52 | 0.95 | 410.07 | 409.59 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 919,467.89 | 2.85 |
| E04013-E04011 | 8 | 270 | 0.011 | 9.1 | 6,513.38 | 0.95 | 557 | 554 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 972,896.30 | 5.02 |
| F07137-F07135 | 8 | 318 | 0.009 | 7.6 | 7,809.05 | 0.95 | 466 | 463 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 896,468.17 | 4.62 |
| K12043-K12041 | 8 | 101 | 0.01 | 7.8 | 5,715.80 | 0.95 | 349 | 348 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 918,389.95 | 4.74 |
| K15045-K15043 | 12 | 404 | 0.005 | 8.4 | 16,734.89 | 0.95 | 325 | 323 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,914,647.43 | 3.70 |
| F06113-F06111 | 10 | 232 | 0.003 | 13.4 | 36,990.36 | 0.95 | 481 | 480.24 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 957,805.47 | 2.96 |
| L13145-L13143 | 8 | 301 | 0.003 | 14.2 | 21,622.14 | 0.95 | 322 | 321 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 531,991.34 | 2.74 |
| F05011-F05009 | 8 | 251 | 0.004 | 13 | 20,916.63 | 0.95 | 504 | 503 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 582,573.80 | 3.00 |
| G13103-G13101 | 8 | 156 | 0.006 | 7.8 | 7,807.04 | 0.95 | 392 | 391 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 738,967.79 | 3.81 |
| H05009-H05007 | 12 | 309 | 0.002 | 23.5 | 151,728.52 | 0.96 | 448.48 | 447.83 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,248,078.60 | 2.41 |
| F05087-F05079 | 8 | 260 | 0.004 | 14.5 | 20,064.91 | 0.96 | 510 | 509 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 572,401.99 | 2.95 |
| D04067-D04065 | 8 | 299 | 0.027 | 3.2 | 2,372.73 | 0.96 | 579 | 571 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,509,722.77 | 7.79 |
| H10007-H10005 | 12 | 611 | 0.002 | 14.9 | 59,582.34 | 0.96 | 386.26 | 385 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,235,745.86 | 2.39 |
| F07131-F07129 | 8 | 258 | 0.004 | 14.3 | 24,730.85 | 0.96 | 473 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 574,616.32 | 2.96 |
| F04023-G04109 | 12 | 293 | 0.014 | 3.8 | 6,241.59 | 0.96 | 508 | 504 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,179,513.57 | 6.15 |
| D14103-D14095 | 8 | 100 | 0.02 | 6.3 | 3,175.83 | 0.96 | 458 | 456 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,305,277.36 | 6.73 |
| C03033-C03031 | 8 | 248 | 0.06 | 1.8 | 729.87 | 0.96 | 699 | 684 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,269,904.55 | 11.71 |
| G05013-G05011 | 8 | 264 | 0.008 | 13.2 | 22,708.24 | 0.96 | 476 | 474 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 803,342.68 | 4.14 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| E17040-E17038 | 8 | 278 | 0.009 | 9.2 | 7,925.85 | 0.96 | 523 | 520.38 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 896,016.60 | 4.62 |
| G09119-G09117 | 8 | 390 | 0.003 | 20.7 | 43,076.13 | 0.96 | 411 | 410 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 467,364.27 | 2.41 |
| F07089-F07087 | 8 | 271 | 0.004 | 14.9 | 26,407.01 | 0.96 | 477 | 476 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 560,664.63 | 2.89 |
| E11003-E10053 | 8 | 273 | 0.007 | 18.2 | 7,518.42 | 0.96 | 420 | 418 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 789,989.80 | 4.07 |
| E07135-F07147 | 8 | 247 | 0.008 | 10 | 10,111.10 | 0.96 | 466 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 830,528.10 | 4.28 |
| H06067-H06065 | 12 | 294 | 0.003 | 10.3 | 24,115.50 | 0.96 | 438 | 437 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,587,050.82 | 3.07 |
| C02027-C02025 | 8 | 191 | 0.016 | 7.3 | 6,067.78 | 0.96 | 647 | 644 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,156,729.34 | 5.97 |
| E04123-E05119 | 8 | 358 | 0.008 | 10 | 7,883.01 | 0.96 | 529 | 526 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 844,903.13 | 4.36 |
| C05007-D05065 | 8 | 364 | 0.019 | 4 | 3,282.38 | 0.96 | 610 | 603 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,279,929.75 | 6.60 |
| J15031-J15029 | 8 | 114 | 0.018 | 4 | 3,090.53 | 0.96 | 336 | 334 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,222,504.25 | 6.30 |
| E03131-E03129 | 8 | 338 | 0.009 | 7.7 | 8,490.60 | 0.96 | 580 | 577 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 869,541.04 | 4.48 |
| F04103-F04101 | 8 | 255 | 0.008 | 7.9 | 9,009.83 | 0.96 | 528 | 526 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 817,396.39 | 4.22 |
| H13057-H13051 | 8 | 379 | 0.024 | 6.2 | 1,620.73 | 0.96 | 375 | 366 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,422,294.26 | 7.34 |
| G08043-G08041 | 8 | 306 | 0.007 | 8.4 | 9,122.46 | 0.96 | 432 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 746,177.40 | 3.85 |
| H05055-H05003 | 8 | 252 | 0.022 | 15.4 | 2,663.91 | 0.96 | 450.5 | 445 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,363,543.14 | 7.03 |
| D14011-D14009 | 8 | 253 | 0.016 | 6.2 | 4,373.20 | 0.96 | 465 | 461 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,160,533.13 | 5.99 |
| F12129-F12127 | 8 | 234 | 0.009 | 8.6 | 10,253.31 | 0.96 | 408 | 406 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 853,286.50 | 4.40 |
| D13069-D13067 | 8 | 81 | 0.003 | 18 | 36,274.34 | 0.96 | 430.25 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 512,761.37 | 2.64 |
| F17043-F17033 | 8 | 259 | 0.005 | 13.2 | 22,410.31 | 0.96 | 517.65 | 516.41 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 638,629.19 | 3.29 |
| F11051-F11049 | 8 | 341 | 0.006 | 11.2 | 9,458.34 | 0.96 | 398 | 396 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 706,847.32 | 3.65 |
| F07117-F07115 | 8 | 248 | 0.004 | 14.4 | 24,630.43 | 0.96 | 475 | 474 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 586,086.84 | 3.02 |
| K11065-K11063 | 8 | 374 | 0.003 | 16.3 | 27,540.05 | 0.96 | 348 | 347 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 477,256.67 | 2.46 |
| D16061-D16059 | 8 | 255 | 0.004 | 13.7 | 23,129.01 | 0.96 | 484 | 483 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 577,986.53 | 2.98 |
| J07115-J07079 | 10 | 306 | 0.003 | 14.6 | 41,980.17 | 0.96 | 410.97 | 410.07 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 907,559.38 | 2.81 |
| F04053-F05013 | 8 | 305 | 0.01 | 8.5 | 6,685.49 | 0.96 | 508 | 505 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 915,373.88 | 4.72 |
| F08005-F08003 | 8 | 246 | 0.008 | 9.2 | 6,893.45 | 0.96 | 447 | 445 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 832,214.45 | 4.29 |
| J14045-J14037 | 8 | 246 | 0.008 | 8.6 | 7,638.39 | 0.96 | 342 | 340 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 832,214.45 | 4.29 |
| G07001-G08063 | 8 | 395 | 0.01 | 7.2 | 7,229.23 | 0.96 | 448 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 928,793.69 | 4.79 |
| J11017-J11015 | 8 | 297 | 0.01 | 6.3 | 7,341.74 | 0.97 | 381 | 378 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 927,620.23 | 4.78 |
| E13009-E13007 | 8 | 305 | 0.007 | 10.5 | 13,209.86 | 0.97 | 421 | 419 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 747,399.64 | 3.85 |
| K14057-K14055 | 8 | 258 | 0.004 | 13.1 | 21,004.52 | 0.97 | 328 | 327 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 574,616.32 | 2.96 |
| E03095-E03093 | 8 | 209 | 0.014 | 13 | 4,576.75 | 0.97 | 567 | 564 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,105,796.70 | 5.70 |
| H04003-H04001 | 8 | 256 | 0.004 | 22 | 54,268.88 | 0.97 | 469 | 468 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| F09103-F09097 | 8 | 220 | 0.004 | 13.4 | 19,470.83 | 0.97 | 426.8 | 426 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 556,572.14 | 2.87 |
| G14075-G14073 | 8 | 240 | 0.007 | 7.6 | 8,614.77 | 0.97 | 422.59 | 421 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 751,243.54 | 3.87 |
| F03195-F03183 | 8 | 229 | 0.013 | 7.4 | 4,757.27 | 0.97 | 533.46 | 530.47 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,052,348.25 | 5.43 |
| E06091-E06089 | 8 | 251 | 0.008 | 8.6 | 8,562.00 | 0.97 | 505 | 503 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 823,883.76 | 4.25 |
| E09045-E09013 | 8 | 218 | 0.005 | 11.7 | 15,041.05 | 0.97 | 436 | 435 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 625,114.48 | 3.22 |
| E14097-E14095 | 8 | 317 | 0.016 | 7.3 | 4,759.31 | 0.97 | 441 | 436 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,159,159.44 | 5.98 |
| F13069-F13067 | 10 | 133 | 0.008 | 26.2 | 11,921.80 | 0.97 | 411 | 410 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,451,071.08 | 4.49 |
| G08063-G08061 | 8 | 391 | 0.008 | 31.7 | 10,777.92 | 0.97 | 444 | 441 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 808,462.83 | 4.17 |
| F07091-F07089 | 8 | 233 | 0.004 | 14 | 22,932.76 | 0.97 | 478 | 477 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 604,658.06 | 3.12 |
| E05161-E05157 | 8 | 248 | 0.012 | 6.4 | 5,155.03 | 0.97 | 523 | 520 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,015,132.18 | 5.24 |
| D11055-D11053 | 8 | 330 | 0.009 | 7.1 | 5,909.91 | 0.97 | 432 | 429 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 880,017.82 | 4.54 |
| H13007-H13005 | 8 | 275 | 0.002 | 19.5 | 36,587.48 | 0.97 | 369.63 | 369 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 441,765.44 | 2.28 |
| E11059-E11057 | 8 | 139 | 0.014 | 4.7 | 4,580.13 | 0.97 | 427 | 425 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,107,121.81 | 5.71 |
| F03183-F04185 | 8 | 261 | 0.006 | 10.7 | 14,073.03 | 0.97 | 530.47 | 529 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 692,669.75 | 3.57 |
| G11033-G11031 | 8 | 264 | 0.004 | 11.7 | 16,451.49 | 0.97 | 387 | 386 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 568,049.06 | 2.93 |
| K13007-K13005 | 8 | 243 | 0.004 | 38.1 | 20,715.55 | 0.97 | 321 | 320 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 592,085.83 | 3.05 |
| D04017-D04015 | 8 | 276 | 0.022 | 4.1 | 2,917.62 | 0.97 | 617 | 611 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,360,845.72 | 7.02 |
| L14083-L14081 | 8 | 256 | 0.004 | 100 | 18,401.98 | 0.97 | 328 | 327 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| G02053-G02005 | 8 | 200 | 0.004 | 16.3 | 27,329.95 | 0.97 | 523.41 | 522.69 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 553,782.28 | 2.86 |
| E05045-E05037 | 8 | 424 | 0.017 | 8.3 | 4,555.99 | 0.97 | 538 | 531 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,185,915.92 | 6.12 |
| F13035-F13033 | 8 | 207 | 0.024 | 11.9 | 1,667.36 | 0.97 | 407 | 402 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,434,457.34 | 7.40 |
| E04027-E04025 | 8 | 339 | 0.003 | 19.1 | 40,037.39 | 0.97 | 539 | 538 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 501,288.75 | 2.59 |
| H04005-H04003 | 8 | 254 | 0.004 | 20.6 | 53,424.07 | 0.97 | 470 | 469 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 579,123.18 | 2.99 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| L13017-L13015 | 10 | 214 | 0.005 | 100 | 322,311.79 | 0.97 | 323 | 322 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,143,951.53 | 3.54 |
| E04031-E04029 | 8 | 339 | 0.003 | 18.3 | 36,589.96 | 0.97 | 542 | 541 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 501,288.75 | 2.59 |
| D03025-D03023 | 8 | 294 | 0.02 | 3.9 | 3,281.44 | 0.98 | 620 | 614 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,318,529.25 | 6.80 |
| G13131-H13091 | 8 | 327 | 0.009 | 8 | 5,685.69 | 0.98 | 382 | 379 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 884,045.38 | 4.56 |
| D04051-D05129 | 8 | 312 | 0.01 | 7 | 8,801.58 | 0.98 | 576 | 573 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 905,047.01 | 4.67 |
| J14039-J14037 | 8 | 247 | 0.004 | 12.2 | 18,594.48 | 0.98 | 341 | 340 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,272.05 | 3.03 |
| E09061-F09053 | 8 | 248 | 0.004 | 11.7 | 16,454.83 | 0.98 | 420 | 419 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 586,086.84 | 3.02 |
| J11183-J11181 | 8 | 182 | 0.006 | 10.5 | 15,525.76 | 0.98 | 373.37 | 372.36 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 685,682.32 | 3.54 |
| G04097-G04095 | 8 | 353 | 0.014 | 5.6 | 4,344.67 | 0.98 | 507 | 502 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,098,463.06 | 5.67 |
| F14023-F14021 | 8 | 86 | 0.004 | 11.9 | 17,377.42 | 0.98 | 427.25 | 426.91 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 580,334.03 | 2.99 |
| E14093-E14089 | 8 | 260 | 0.004 | 15.8 | 28,003.77 | 0.98 | 434.98 | 434.01 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 563,750.58 | 2.91 |
| E04113-E05105 | 6 | 397 | 0.015 | 24.4 | 3,932.23 | 0.98 | 544 | 538 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 526,863.62 | 4.08 |
| C06085-C06081 | 8 | 164 | 0.11 | 1.1 | 330.58 | 0.98 | 605 | 587 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,057,751.13 | 15.77 |
| H07019-H07017 | 8 | 264 | 0.005 | 11.5 | 16,115.55 | 0.98 | 440.31 | 439 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 650,161.86 | 3.35 |
| G10041-G10039 | 8 | 88 | 0.006 | 14.2 | 11,497.49 | 0.98 | 401.5 | 401 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 695,715.17 | 3.59 |
| D16071-D16069 | 8 | 106 | 0.009 | 7.7 | 8,042.85 | 0.98 | 494 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 896,468.17 | 4.62 |
| F06091-F06075 | 8 | 261 | 0.016 | 9 | 4,822.30 | 0.98 | 494.14 | 489.97 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,166,636.56 | 6.02 |
| E04021-E05097 | 8 | 343 | 0.003 | 20.6 | 46,375.92 | 0.98 | 535 | 534 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 498,357.21 | 2.57 |
| K11063-K11061 | 8 | 97 | 0.003 | 16.9 | 26,384.46 | 0.98 | 347 | 346.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 513,289.72 | 2.65 |
| E14051-F14073 | 8 | 365 | 0.008 | 10.2 | 10,673.75 | 0.98 | 443 | 440 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 836,762.10 | 4.32 |
| G11031-G11029 | 8 | 244 | 0.004 | 11.8 | 16,432.31 | 0.98 | 386 | 385 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 590,871.30 | 3.05 |
| H11073-H11033 | 8 | 204 | 0.014 | 100 | 3,762.04 | 0.98 | 372 | 369.19 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,083,242.98 | 5.59 |
| J11005-J11003 | 8 | 324 | 0.009 | 7.5 | 9,211.80 | 0.98 | 374 | 371 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 888,128.75 | 4.58 |
| F13093-F13091 | 8 | 251 | 0.012 | 6.7 | 7,075.33 | 0.98 | 410 | 407 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,009,047.41 | 5.20 |
| G08111-G08109 | 8 | 321 | 0.009 | 7.3 | 8,826.32 | 0.98 | 432 | 429 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 892,269.23 | 4.60 |
| G15031-G15029 | 8 | 257 | 0.018 | 3.6 | 2,657.45 | 0.98 | 430 | 425.41 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,233,467.15 | 6.36 |
| F12139-F12137 | 8 | 257 | 0.008 | 9.7 | 12,492.57 | 0.98 | 404 | 402 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 814,209.65 | 4.20 |
| F07103-F07101 | 8 | 259 | 0.004 | 24.2 | 27,623.91 | 0.98 | 479 | 478 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 573,505.95 | 2.96 |
| F11013-F11011 | 8 | 378 | 0.005 | 12.2 | 21,352.60 | 0.98 | 397 | 395 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 671,362.23 | 3.46 |
| J06083-J06079 | 8 | 102 | 0.009 | 6.9 | 6,950.74 | 0.98 | 428.2 | 427.25 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 890,737.06 | 4.59 |
| E08053-E08051 | 8 | 258 | 0.007 | 9.1 | 11,410.19 | 0.98 | 464 | 462.3 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 749,208.02 | 3.86 |
| E02060-E03239 | 8 | 213.4 | 0.004 | 20.4 | 22,036.26 | 0.98 | 557.91 | 557 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 601,868.50 | 3.10 |
| E03075-E03073 | 8 | 282 | 0.018 | 15 | 3,932.23 | 0.99 | 556 | 551 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,228,989.73 | 6.34 |
| D04115-E04087 | 8 | 339 | 0.015 | 6.8 | 5,159.90 | 0.99 | 566 | 561 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,120,915.72 | 5.78 |
| F15103-F15101 | 8 | 242 | 0.004 | 23.1 | 26,012.43 | 0.99 | 468 | 467 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 593,307.89 | 3.06 |
| D14067-D14065 | 8 | 295 | 0.01 | 7.3 | 8,177.33 | 0.99 | 458 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 930,759.39 | 4.80 |
| D01041-D01039 | 8 | 288 | 0.014 | 5.9 | 5,469.52 | 0.99 | 628 | 624 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,087,731.13 | 5.61 |
| F06103-F06101 | 8 | 363 | 0.006 | 12.8 | 17,316.01 | 0.99 | 485 | 483 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 685,092.94 | 3.53 |
| D10103-D10101 | 8 | 224 | 0.004 | 12.7 | 14,161.42 | 0.99 | 443 | 442 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 616,685.59 | 3.18 |
| D15019-D15017 | 8 | 244 | 0.012 | 6.8 | 6,311.31 | 0.99 | 483 | 480 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,023,419.11 | 5.28 |
| L13049-L13047 | 8 | 150 | 0.007 | 9.4 | 10,606.27 | 0.99 | 335 | 334 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 753,602.23 | 3.89 |
| F09001-F10009 | 8 | 323 | 0.012 | 6.2 | 5,299.83 | 0.99 | 419 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,027,109.02 | 5.30 |
| L13139-L13131 | 8 | 147 | 0.003 | 14.9 | 25,728.88 | 0.99 | 318 | 317.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 538,287.31 | 2.78 |
| J14059-J14057 | 8 | 217 | 0.009 | 6.6 | 7,561.30 | 0.99 | 337 | 335 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 886,080.01 | 4.57 |
| E12107-E12101 | 8 | 246 | 0.004 | 26.1 | 25,286.49 | 0.99 | 408 | 407 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 588,464.48 | 3.03 |
| D15031-D15029 | 8 | 225 | 0.018 | 5.5 | 4,070.64 | 0.99 | 474 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,230,627.30 | 6.35 |
| E07067-E07065 | 8 | 94 | 0.021 | 6.7 | 2,875.62 | 0.99 | 483 | 481 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,346,290.80 | 6.94 |
| E14139-E14137 | 10 | 345 | 0.009 | 6.4 | 10,870.99 | 0.99 | 445 | 442 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,560,506.52 | 4.83 |
| E04137-E05121 | 8 | 258 | 0.008 | 9.9 | 10,532.84 | 0.99 | 530 | 528 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 812,630.19 | 4.19 |
| D13089-D13087 | 8 | 313 | 0.013 | 7.7 | 6,341.87 | 0.99 | 446 | 442 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,043,387.51 | 5.38 |
| J12045-J12041 | 8 | 255 | 0.005 | 44.3 | 25,334.02 | 0.99 | 361 | 359.77 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 641,018.07 | 3.31 |
| E11021-E11019 | 8 | 388 | 0.008 | 9.6 | 12,743.47 | 0.99 | 405 | 402 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 811,582.31 | 4.19 |
| E03129-E03125 | 8 | 264 | 0.008 | 10 | 11,703.63 | 0.99 | 577 | 575 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 803,342.68 | 4.14 |
| E18105-E18103 | 8 | 49 | 0.02 | 4.5 | 3,949.92 | 0.99 | 536 | 535 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,318,529.25 | 6.80 |
| G04131-G04129 | 8 | 310 | 0.01 | 7.5 | 8,527.46 | 0.99 | 499 | 496 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 907,961.82 | 4.68 |
| J15015-J15013 | 8 | 239 | 0.004 | 12.1 | 18,528.04 | 0.99 | 343 | 342 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 597,019.97 | 3.08 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| E12111-E12109 | 8 | 72 | 0.014 | 5.7 | 6,318.04 | 0.99 | 410 | 409 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,087,731.13 | 5.61 |
| E06081-E06079 | 8 | 249 | 0.012 | 6.4 | 5,751.25 | 0.99 | 513 | 510 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,013,091.71 | 5.22 |
| E12029-E12027 | 8 | 250 | 0.008 | 8.6 | 11,869.52 | 0.99 | 418 | 416 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 825,529.89 | 4.26 |
| E04017-E05053 | 8 | 277 | 0.011 | 13.9 | 7,183.01 | 0.99 | 553 | 550 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 960,524.73 | 4.95 |
| F09115-F09113 | 8 | 15 | 0.007 | 8 | 9,800.32 | 0.99 | 431 | 430.9 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 753,602.23 | 3.89 |
| E08007-E08003 | 8 | 309 | 0.01 | 34.8 | 6,591.32 | 0.99 | 451 | 448 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 909,429.83 | 4.69 |
| D16087-D16081 | 8 | 204 | 0.015 | 7.6 | 4,770.76 | 0.99 | 484 | 480.95 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,128,554.78 | 5.82 |
| E11135-E11133 | 8 | 298 | 0.013 | 53.8 | 5,951.09 | 0.99 | 427 | 423 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,069,324.88 | 5.51 |
| L14055-L14053 | 10 | 241 | 0.001 | 100 | 944,712.95 | 0.99 | 313.29 | 313 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 580,503.69 | 1.80 |
| F05015-F05013 | 8 | 251 | 0.012 | 8.3 | 6,627.92 | 0.99 | 508 | 505 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,009,047.41 | 5.20 |
| H10029-H10027 | 8 | 291 | 0.007 | 22.6 | 9,446.52 | 1 | 399 | 397 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 765,167.14 | 3.95 |
| H11065-H11063 | 8 | 302 | 0.007 | 8.1 | 10,153.11 | 1 | 385 | 383 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 751,102.72 | 3.87 |
| F09053-F10035 | 8 | 239 | 0.004 | 13.2 | 18,051.74 | 1 | 419 | 418 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 597,019.97 | 3.08 |
| C02039-C02023 | 8 | 194 | 0.01 | 8.7 | 7,399.03 | 1 | 642 | 640 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 937,134.53 | 4.83 |
| J14057-J14055 | 8 | 206 | 0.01 | 13.2 | 7,384.57 | 1 | 335 | 333 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 909,429.83 | 4.69 |
| D02043-D02023 | 8 | 237 | 0.013 | 10.4 | 6,198.48 | 1 | 606 | 603 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,038,422.91 | 5.36 |
| D08109-E08067 | 15 | 438 | 0.005 | 7.3 | 23,432.01 | 1 | 467 | 465 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,334,027.23 | 4.30 |
| E04023-E04021 | 8 | 328 | 0.003 | 20.3 | 44,730.48 | 1 | 536 | 535 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 509,625.19 | 2.63 |
| H12059-H12017 | 8 | 426 | 0.002 | 31.7 | 40,112.69 | 1 | 369 | 368 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 447,180.65 | 2.31 |
| E03137-E03135 | 8 | 210 | 0.01 | 7.7 | 9,114.98 | 1 | 567 | 565 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 900,726.95 | 4.65 |
| D04053-D04051 | 8 | 363 | 0.011 | 6.6 | 7,393.46 | 1 | 580 | 576 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 968,867.73 | 5.00 |
| F09017-F09015 | 15 | 135 | 0.004 | 20.7 | 39,828.92 | 1 | 425.5 | 425 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,002,681.84 | 3.87 |
| C07077-C07053 | 8 | 195 | 0.005 | 14.1 | 22,010.94 | 1 | 514 | 513 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 660,952.88 | 3.41 |
| F04193-F04185 | 8 | 160 | 0.014 | 8.2 | 4,762.79 | 1 | 531.28 | 529 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,098,353.89 | 5.66 |
| F04087-F04075 | 8 | 199 | 0.02 | 5.3 | 3,169.78 | 1 | 525.39 | 521.4 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,306,916.13 | 6.74 |
| F07115-F07113 | 8 | 248 | 0.004 | 14.9 | 28,080.99 | 1 | 474 | 473 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 586,086.84 | 3.02 |
| H06007-H06005 | 12 | 331 | 0.002 | 28.4 | 190,644.42 | 1 | 439 | 438.48 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,078,579.53 | 2.09 |
| C03031-C03029 | 8 | 164 | 0.049 | 3.3 | 1,458.80 | 1 | 684 | 676 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,038,500.76 | 10.51 |
| G08045-G08043 | 8 | 308 | 0.01 | 6.9 | 6,444.18 | 1 | 435 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 910,904.98 | 4.70 |
| G08033-G08031 | 8 | 246 | 0.008 | 8.1 | 8,048.82 | 1 | 433 | 431 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 832,214.45 | 4.29 |
| J07121-J07119 | 10 | 140 | 0.003 | 14.5 | 41,754.57 | 1 | 414.52 | 414.1 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 916,590.04 | 2.84 |
| E04131-E05123 | 8 | 358 | 0.008 | 8.3 | 9,074.41 | 1 | 533 | 530 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 844,903.13 | 4.36 |
| E03003-E04041 | 8 | 268 | 0.007 | 10.7 | 12,940.20 | 1 | 547 | 545 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 797,325.05 | 4.11 |
| F07129-F07127 | 8 | 236 | 0.004 | 14.9 | 26,953.85 | 1 | 472 | 471 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 600,802.60 | 3.10 |
| D03035-D03033 | 8 | 319 | 0.022 | 4 | 3,281.77 | 1 | 625 | 618 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,367,229.71 | 7.05 |
| F13081-F13079 | 8 | 77 | 0.013 | 26.3 | 7,637.51 | 1 | 419.99 | 419 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,046,550.14 | 5.40 |
| L14081-L13155 | 8 | 252 | 0.004 | 100 | 20,806.55 | 1 | 327 | 326 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 581,416.75 | 3.00 |
| F12125-F12123 | 8 | 249 | 0.008 | 9.8 | 13,389.09 | 1 | 405 | 403 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 827,185.92 | 4.27 |
| D07151-E07075 | 8 | 225 | 0.009 | 8.2 | 8,548.76 | 1 | 474 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 870,184.91 | 4.49 |
| J11151-J11149 | 8 | 335 | 0.008 | 9.1 | 11,171.56 | 1 | 372.8 | 370 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 843,809.52 | 4.35 |
| D16043-D16039 | 8 | 65 | 0.008 | 9.1 | 11,776.04 | 1 | 494.5 | 494 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 809,498.65 | 4.17 |
| G14089-G14087 | 8 | 229 | 0.013 | 5.2 | 4,201.04 | 1.01 | 415 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,056,405.60 | 5.45 |
| D14111-D14109 | 8 | 76 | 0.007 | 9.3 | 13,544.01 | 1.01 | 453 | 452.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 748,627.91 | 3.86 |
| H08027-H08025 | 8 | 80 | 0.013 | 5.7 | 6,631.81 | 1.01 | 433 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,031,912.36 | 5.32 |
| F13049-F13047 | 12 | 63 | 0.003 | 11.3 | 43,158.51 | 1.01 | 410.83 | 410.61 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,608,072.27 | 3.11 |
| F15045-F15039 | 8 | 127 | 0.017 | 5.1 | 4,137.37 | 1.01 | 444 | 441.85 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,200,895.39 | 6.19 |
| G08029-G08027 | 8 | 82 | 0.006 | 9.5 | 12,321.90 | 1.01 | 430 | 429.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 720,718.85 | 3.72 |
| E06087-E06085 | 8 | 252 | 0.004 | 13.4 | 22,546.90 | 1.01 | 501 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 581,416.75 | 3.00 |
| H11153-H11151 | 8 | 279 | 0.011 | 6.7 | 5,600.26 | 1.01 | 383 | 380 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 957,075.80 | 4.94 |
| J15023-J15021 | 8 | 198 | 0.004 | 13.3 | 21,534.28 | 1.01 | 331 | 330.25 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 568,049.06 | 2.93 |
| K09009-K09007 | 12 | 301 | 0.007 | 10.3 | 51,303.78 | 1.01 | 386.56 | 384.38 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,315,845.04 | 4.48 |
| H11027-H11025 | 8 | 180 | 0.011 | 93.6 | 5,318.42 | 1.01 | 371 | 369 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 972,896.30 | 5.02 |
| C06065-C06063 | 8 | 301 | 0.04 | 2.2 | 1,211.57 | 1.01 | 567 | 555 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,842,872.05 | 9.50 |
| D14105-D14103 | 8 | 80 | 0.025 | 3.5 | 2,780.86 | 1.01 | 460 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,459,344.45 | 7.53 |
| E05157-E05151 | 8 | 253 | 0.008 | 8.5 | 9,873.90 | 1.01 | 520 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 820,620.84 | 4.23 |
| G10075-H10041 | 8 | 256 | 0.008 | 12.6 | 8,339.27 | 1.01 | 392 | 390 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 815,798.35 | 4.21 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| E06093-E06091 | 8 | 160 | 0.013 | 6.3 | 5,751.25 | 1.01 | 507 | 505 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,031,912.36 | 5.32 |
| D11011-D11009 | 8 | 223 | 0.004 | 13.6 | 15,097.76 | 1.01 | 448 | 447 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 618,066.74 | 3.19 |
| D16021-D16019 | 8 | 212 | 0.067 | 9.9 | 795.13 | 1.01 | 509.73 | 495.46 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,394,593.85 | 12.35 |
| F06061-F06059 | 8 | 351 | 0.001 | 37.2 | 102,508.54 | 1.01 | 481.5 | 481 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 348,352.76 | 1.80 |
| C04021-C04019 | 12 | 318 | 0.016 | 3.5 | 7,247.45 | 1.01 | 641 | 636 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,412,211.48 | 6.60 |
| G11027-G11025 | 8 | 307 | 0.003 | 14.9 | 25,203.09 | 1.01 | 384 | 383 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 526,767.07 | 2.72 |
| D16079-D16077 | 8 | 193 | 0.021 | 5.6 | 3,578.07 | 1.01 | 486 | 482 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,328,737.37 | 6.85 |
| D11061-D11057 | 8 | 274 | 0.026 | 3.7 | 2,676.45 | 1.01 | 439 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,475,236.15 | 7.61 |
| F07087-F07085 | 8 | 243 | 0.004 | 22.1 | 28,603.96 | 1.01 | 476 | 475 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 592,085.83 | 3.05 |
| D07011-D07009 | 8 | 103 | 0.01 | 7.1 | 9,256.76 | 1.01 | 491 | 490 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 909,429.83 | 4.69 |
| C06031-C06029 | 8 | 129 | 0.008 | 7.8 | 10,064.68 | 1.01 | 568 | 567 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 812,630.19 | 4.19 |
| F07125-F07079 | 8 | 264 | 0.004 | 25.8 | 32,614.10 | 1.01 | 470 | 469 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 568,049.06 | 2.93 |
| G12063-G12097 | 10 | 405 | 0.01 | 5.2 | 7,811.15 | 1.01 | 385 | 381 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,663,094.75 | 5.15 |
| E08051-E08049 | 8 | 49 | 0.006 | 24.2 | 14,080.67 | 1.01 | 462.3 | 462 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 722,188.21 | 3.72 |
| D03045-D03043 | 8 | 292 | 0.021 | 4.4 | 3,647.01 | 1.01 | 629 | 623 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,323,037.05 | 6.82 |
| F05083-F05081 | 8 | 256 | 0.008 | 8.1 | 10,952.85 | 1.01 | 518 | 516 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 815,798.35 | 4.21 |
| F06121-F06119 | 8 | 327 | 0.003 | 18.1 | 36,418.84 | 1.01 | 484 | 483 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 510,403.84 | 2.63 |
| E04143-E04141 | 8 | 263 | 0.011 | 6.6 | 6,659.40 | 1.01 | 535 | 532 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 985,758.57 | 5.08 |
| D08105-E08065 | 8 | 304 | 0.007 | 13.6 | 12,756.25 | 1.01 | 470 | 468 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 748,627.91 | 3.86 |
| D07077-D07075 | 8 | 236 | 0.004 | 12.8 | 21,181.38 | 1.01 | 525 | 524 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 600,802.60 | 3.10 |
| K11003-K11001 | 18 | 264 | 0.001 | 26.1 | 424,237.44 | 1.01 | 363 | 362.67 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 2,836,587.57 | 2.44 |
| D10099-D09017 | 8 | 451 | 0.009 | 26.8 | 7,061.77 | 1.01 | 447 | 443 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 869,219.64 | 4.48 |
| E04001-E05049 | 8 | 129 | 0.008 | 19.7 | 12,341.30 | 1.01 | 544 | 543 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 812,630.19 | 4.19 |
| D07115-D07113 | 8 | 193 | 0.016 | 14.2 | 4,313.44 | 1.01 | 478 | 475 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,150,720.31 | 5.93 |
| K11061-K11023 | 8 | 265 | 0.003 | 35.5 | 35,131.99 | 1.01 | 346.7 | 346 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 474,366.37 | 2.45 |
| G15067-G15065 | 8 | 323 | 0.006 | 8.3 | 10,266.68 | 1.01 | 494 | 492 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 726,275.75 | 3.75 |
| C04057-C04055 | 8 | 94 | 0.032 | 3 | 2,188.87 | 1.01 | 668 | 665 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,648,862.75 | 8.50 |
| E17021-E16077 | 8 | 377 | 0.005 | 16.7 | 23,296.22 | 1.01 | 499 | 497 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 672,252.04 | 3.47 |
| G08003-G08001 | 8 | 395 | 0.01 | 7.2 | 6,443.30 | 1.01 | 437 | 433 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 928,793.69 | 4.79 |
| K11001-K12007 | 18 | 268 | 0.001 | 27 | 428,334.26 | 1.01 | 362.67 | 362.33 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 2,857,677.73 | 2.46 |
| L13143-L13141 | 8 | 279 | 0.004 | 14.5 | 25,087.70 | 1.01 | 321 | 320 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 552,567.97 | 2.85 |
| E05141-F05079 | 8 | 266 | 0.015 | 10.4 | 4,756.12 | 1.02 | 513 | 509 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,131,819.01 | 5.84 |
| G14013-G14011 | 8 | 327 | 0.015 | 4.9 | 4,129.90 | 1.02 | 418 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,141,297.68 | 5.89 |
| F04101-F04099 | 8 | 267 | 0.007 | 8.7 | 11,734.98 | 1.02 | 526 | 524 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 798,816.77 | 4.12 |
| F07127-F07125 | 8 | 246 | 0.004 | 15.8 | 29,797.39 | 1.02 | 471 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 588,464.48 | 3.03 |
| E06117-E06115 | 8 | 120 | 0.008 | 8.1 | 11,401.61 | 1.02 | 499 | 498 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 842,552.91 | 4.35 |
| K14089-K14083 | 8 | 252 | 0.004 | 14.8 | 22,511.74 | 1.02 | 318 | 317 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 581,416.75 | 3.00 |
| D08113-D09089 | 10 | 322 | 0.009 | 7.1 | 8,919.68 | 1.02 | 455 | 452 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,615,277.71 | 5.00 |
| H06009-H06007 | 12 | 214 | 0.002 | 27.2 | 176,666.42 | 1.02 | 439.41 | 439 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,191,103.61 | 2.30 |
| F08049-F08047 | 8 | 388 | 0.005 | 11 | 14,256.29 | 1.02 | 446 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 662,654.18 | 3.42 |
| D15011-D15009 | 8 | 260 | 0.006 | 13.1 | 18,751.04 | 1.02 | 480.44 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 686,882.39 | 3.54 |
| G03059-G03027 | 8 | 363 | 0.011 | 17.9 | 7,085.84 | 1.02 | 507 | 503 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 968,867.73 | 5.00 |
| H08025-H08023 | 8 | 75 | 0.013 | 5.6 | 6,564.82 | 1.02 | 432 | 431 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,065,754.50 | 5.50 |
| F04194-F04193 | 8 | 202 | 0.02 | 4.2 | 3,188.74 | 1.02 | 535.44 | 531.28 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,321,254.42 | 6.81 |
| E14089-E14087 | 8 | 236 | 0.004 | 16.5 | 33,480.13 | 1.02 | 434.01 | 433.13 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 563,602.80 | 2.91 |
| G09059-G09057 | 8 | 247 | 0.004 | 13.2 | 21,916.17 | 1.02 | 421 | 420 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,272.05 | 3.03 |
| G03055-G03029 | 8 | 363 | 0.011 | 17.2 | 7,088.45 | 1.02 | 508 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 968,867.73 | 5.00 |
| F08003-F08001 | 8 | 239 | 0.004 | 11.8 | 17,739.40 | 1.02 | 445 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 597,019.97 | 3.08 |
| G07089-G07087 | 8 | 321 | 0.009 | 8.5 | 10,063.54 | 1.02 | 457 | 454 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 892,269.23 | 4.60 |
| F09021-F09019 | 15 | 261 | 0.004 | 7.9 | 39,015.24 | 1.02 | 427 | 426 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,054,013.45 | 3.94 |
| H11139-H11131 | 8 | 265 | 0.004 | 15.5 | 23,770.92 | 1.02 | 376 | 375 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 566,976.25 | 2.92 |
| E09047-E09045 | 8 | 385 | 0.005 | 10.4 | 14,354.77 | 1.03 | 438 | 436 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 665,230.94 | 3.43 |
| F06125-F06123 | 8 | 169 | 0.003 | 18.2 | 36,283.24 | 1.03 | 486.5 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 502,029.75 | 2.59 |
| C04047-C04045 | 8 | 289 | 0.004 | 14 | 24,929.19 | 1.03 | 822.48 | 821.29 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 592,259.95 | 3.05 |
| E04093-E04091 | 6 | 314 | 0.01 | 16.7 | 8,487.45 | 1.03 | 568 | 565 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 418,903.17 | 3.24 |
| D06079-D06077 | 8 | 262 | 0.008 | 8.3 | 11,468.03 | 1.03 | 545 | 543 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 806,403.05 | 4.16 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| D07051-D07049 | 8 | 120 | 0.042 | 2.6 | 1,319.08 | 1.03 | 511 | 506 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,884,005.59 | 9.72 |
| D03129-E03127 | 8 | 381 | 0.016 | 6.2 | 5,218.88 | 1.03 | 584 | 578 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,158,246.36 | 5.97 |
| C07023-C08005 | 8 | 229 | 0.004 | 15.5 | 31,528.58 | 1.03 | 511 | 510 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 609,916.06 | 3.15 |
| E16009-E16003 | 8 | 283 | 0.007 | 18.7 | 15,570.64 | 1.03 | 479 | 477 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 775,906.85 | 4.00 |
| C07017-C07015 | 8 | 85 | 0.024 | 4.9 | 2,875.62 | 1.03 | 530 | 528 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,415,772.08 | 7.30 |
| F18055-F18053 | 8 | 163.7 | 0.06 | 2 | 1,192.69 | 1.03 | 625.59 | 615.77 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,265,425.31 | 11.68 |
| E08019-E08017 | 8 | 260 | 0.004 | 14 | 22,797.06 | 1.03 | 447 | 446 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 572,401.99 | 2.95 |
| F15105-F15103 | 8 | 203 | 0.005 | 13.7 | 23,665.11 | 1.03 | 469 | 468 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 647,798.28 | 3.34 |
| J07119-J07117 | 10 | 163 | 0.003 | 14.2 | 42,236.36 | 1.03 | 414.1 | 413.56 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 963,202.47 | 2.98 |
| F18017-F18015 | 8 | 171 | 0.012 | 7 | 7,536.51 | 1.03 | 540 | 538 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 998,170.54 | 5.15 |
| G14055-G14053 | 8 | 206 | 0.01 | 5.9 | 6,138.38 | 1.03 | 413 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 909,429.83 | 4.69 |
| E04095-E04089 | 6 | 311 | 0.01 | 17.7 | 8,487.45 | 1.03 | 565 | 562 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 420,918.75 | 3.26 |
| J07141-J07129 | 10 | 164 | 0.003 | 13.5 | 35,184.06 | 1.03 | 416.92 | 416.37 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 969,111.91 | 3.00 |
| C02047-C02043 | 8 | 249 | 0.016 | 6.6 | 5,454.51 | 1.03 | 640 | 636 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,169,817.54 | 6.03 |
| G11047-G11045 | 8 | 289 | 0.007 | 8.3 | 10,790.05 | 1.03 | 383 | 381 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 767,810.21 | 3.96 |
| G08041-G09067 | 8 | 314 | 0.006 | 9 | 12,332.39 | 1.03 | 430 | 428 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 736,610.63 | 3.80 |
| D01065-D01063 | 8 | 274 | 0.008 | 8.2 | 11,610.65 | 1.03 | 603.41 | 601.16 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 836,380.28 | 4.31 |
| F03191-F03185 | 8 | 160 | 0.016 | 6.6 | 4,759.16 | 1.03 | 534.05 | 531.52 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,157,004.72 | 5.97 |
| F15083-F15081 | 8 | 232 | 0.013 | 6.4 | 7,139.72 | 1.03 | 476 | 473 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,049,553.16 | 5.41 |
| F14117-F14115 | 8 | 252 | 0.016 | 5.8 | 5,542.34 | 1.03 | 444 | 440 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,162,833.49 | 6.00 |
| K13015-K13013 | 8 | 200 | 0.038 | 7.3 | 1,570.22 | 1.03 | 331 | 323.4 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,799,200.68 | 9.28 |
| F07143-F08127 | 8 | 315 | 0.01 | 8.2 | 9,682.07 | 1.03 | 464 | 461 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 900,726.95 | 4.65 |
| H14017-J14113 | 8 | 161 | 0.006 | 9.4 | 13,284.42 | 1.03 | 356 | 355 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 727,402.63 | 3.75 |
| D17067-D17059 | 12 | 72 | 0.003 | 17.1 | 79,871.61 | 1.03 | 511.5 | 511.25 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,603,497.38 | 3.10 |
| E09041-E09039 | 8 | 265 | 0.011 | 36.5 | 6,182.03 | 1.03 | 444 | 441 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 982,031.68 | 5.06 |
| D03071-D03069 | 8 | 291 | 0.01 | 7.6 | 10,148.02 | 1.03 | 613 | 610 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 937,134.53 | 4.83 |
| E06045-E06043 | 8 | 238 | 0.004 | 14.1 | 22,549.98 | 1.03 | 504 | 503 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 598,272.90 | 3.09 |
| E18057-E18055 | 8 | 298 | 0.011 | 8.1 | 10,214.70 | 1.03 | 533.21 | 529.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 987,317.57 | 5.09 |
| D03023-D03021 | 8 | 303 | 0.02 | 4.5 | 4,369.46 | 1.03 | 614 | 608 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,298,799.52 | 6.70 |
| F06149-F06147 | 8 | 213 | 0.005 | 14.4 | 21,730.05 | 1.03 | 491 | 490 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 632,408.95 | 3.26 |
| G12081-G12071 | 15 | 124 | 0.002 | 13.1 | 89,055.30 | 1.04 | 385.3 | 385 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,426,839.10 | 3.13 |
| D13083-D13081 | 8 | 176 | 0.023 | 8.8 | 3,573.17 | 1.04 | 445 | 441 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,391,430.34 | 7.18 |
| D17083-D17081 | 8 | 232 | 0.004 | 14.8 | 28,483.86 | 1.04 | 502 | 501 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 605,959.80 | 3.13 |
| D13051-D13049 | 10 | 325 | 0.003 | 16.3 | 53,715.42 | 1.04 | 423 | 422 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 928,266.82 | 2.87 |
| E05015-E05013 | 8 | 261 | 0.004 | 15.4 | 26,242.84 | 1.04 | 513 | 512 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 571,304.38 | 2.95 |
| G02021-G02019 | 8 | 196 | 0.003 | 20.6 | 46,943.11 | 1.04 | 512.81 | 512.22 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 506,390.77 | 2.61 |
| H12043-H12041 | 8 | 139 | 0.002 | 22.1 | 47,422.81 | 1.04 | 366 | 365.68 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 442,848.72 | 2.28 |
| D18007-D18005 | 12 | 307 | 0.003 | 13.3 | 58,558.70 | 1.04 | 516 | 515 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,553,085.30 | 3.00 |
| G14021-F14003 | 12 | 291 | 0.003 | 11.4 | 43,091.47 | 1.04 | 415 | 414.04 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,562,980.72 | 3.02 |
| G02005-G02003 | 8 | 362 | 0.004 | 15.1 | 20,642.22 | 1.04 | 524.22 | 522.69 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 600,038.67 | 3.09 |
| E15069-E15067 | 8 | 367 | 0.014 | 6.2 | 7,121.87 | 1.04 | 479 | 474 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,077,307.73 | 5.56 |
| H11151-H11139 | 8 | 536 | 0.007 | 10.9 | 9,892.75 | 1.04 | 380 | 376 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 797,325.05 | 4.11 |
| E17009-D17085 | 8 | 250 | 0.004 | 15.1 | 28,595.70 | 1.04 | 504 | 503 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 583,737.78 | 3.01 |
| H04001-H05049 | 8 | 253 | 0.004 | 23.7 | 68,590.67 | 1.04 | 468 | 467 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 580,266.56 | 2.99 |
| D18005-D18003 | 12 | 296 | 0.003 | 14 | 58,906.53 | 1.04 | 515 | 514 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,581,680.07 | 3.06 |
| D15047-D15045 | 8 | 365 | 0.014 | 9.5 | 6,742.31 | 1.04 | 479 | 474 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,080,255.23 | 5.57 |
| E11055-E12177 | 8 | 254 | 0.012 | 7.1 | 7,805.66 | 1.04 | 422 | 419 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,003,070.77 | 5.17 |
| D03001-D04105 | 8 | 223 | 0.004 | 14.2 | 26,839.78 | 1.04 | 617 | 616 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 618,066.74 | 3.19 |
| E04111-E05103 | 6 | 394 | 0.018 | 29.1 | 3,932.23 | 1.04 | 543 | 536 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 571,240.19 | 4.42 |
| G09139-G09127 | 8 | 120 | 0.008 | 10.4 | 14,748.64 | 1.04 | 418 | 417 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 842,552.91 | 4.35 |
| D02071-D02069 | 8 | 131 | 0.015 | 6.9 | 6,188.09 | 1.04 | 616 | 614 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,140,426.12 | 5.88 |
| F04119-F04117 | 8 | 218 | 0.005 | 12.5 | 19,597.32 | 1.04 | 512.7 | 511.62 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 649,638.03 | 3.35 |
| G13005-G12041 | 8 | 260 | 0.008 | 8.8 | 9,711.72 | 1.04 | 393 | 391 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 809,498.65 | 4.17 |
| G03015-G03013 | 8 | 363 | 0.011 | 21.9 | 7,878.56 | 1.04 | 504 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 968,867.73 | 5.00 |
| C04055-C04053 | 8 | 305 | 0.026 | 4.2 | 2,917.66 | 1.04 | 665 | 657 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,494,799.28 | 7.71 |
| D11097-E11139 | 8 | 249 | 0.02 | 4.9 | 4,161.69 | 1.04 | 433 | 428 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,307,895.77 | 6.75 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| G13111-G13109 | 8 | 248 | 0.004 | 12.3 | 19,011.17 | 1.04 | 392 | 391 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 586,086.84 | 3.02 |
| C04005-C04003 | 8 | 249 | 0.016 | 5.3 | 5,942.73 | 1.04 | 639 | 635 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,169,817.54 | 6.03 |
| E12027-E12025 | 8 | 235 | 0.009 | 100 | 13,433.41 | 1.04 | 416 | 414 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 851,469.06 | 4.39 |
| E15077-E15075 | 8 | 338 | 0.009 | 8.1 | 11,667.04 | 1.04 | 473 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 869,541.04 | 4.48 |
| D01067-D01065 | 8 | 241 | 0.008 | 8.3 | 11,681.82 | 1.04 | 605.36 | 603.41 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 830,226.50 | 4.28 |
| E12175-E12173 | 8 | 237 | 0.008 | 8.7 | 12,816.88 | 1.04 | 416 | 414 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 847,868.76 | 4.37 |
| J07123-J07121 | 10 | 192 | 0.003 | 14.4 | 41,882.91 | 1.04 | 415.16 | 414.52 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 966,170.74 | 2.99 |
| G09105-G09097 | 8 | 145 | 0.007 | 12 | 11,265.77 | 1.04 | 403 | 402 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 766,485.26 | 3.95 |
| H11143-H11141 | 8 | 523 | 0.008 | 8.9 | 10,191.46 | 1.04 | 381 | 377 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 807,173.62 | 4.16 |
| D04015-D05069 | 8 | 275 | 0.018 | 8.5 | 5,102.10 | 1.05 | 611 | 606 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,244,533.13 | 6.42 |
| G12083-G12081 | 15 | 295 | 0.002 | 13.2 | 89,085.00 | 1.05 | 386 | 385.3 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,403,417.46 | 3.10 |
| D09087-D09085 | 8 | 298 | 0.01 | 7 | 6,761.00 | 1.05 | 458 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 926,062.51 | 4.78 |
| E12169-E12167 | 8 | 249 | 0.008 | 10.6 | 15,549.23 | 1.05 | 411 | 409 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 827,185.92 | 4.27 |
| K13011-K13009 | 8 | 344 | 0.027 | 7.2 | 2,314.06 | 1.05 | 332 | 322.54 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,530,573.37 | 7.89 |
| E06051-E06049 | 8 | 216 | 0.014 | 6.1 | 5,751.25 | 1.05 | 513 | 510 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,087,731.13 | 5.61 |
| J06067-J07141 | 10 | 162 | 0.003 | 13 | 35,316.53 | 1.05 | 417.47 | 416.92 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 975,075.73 | 3.02 |
| D14109-D14087 | 8 | 70 | 0.007 | 10.6 | 14,327.07 | 1.05 | 452.5 | 452 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 780,052.42 | 4.02 |
| D15015-D15013 | 8 | 199 | 0.015 | 5.6 | 5,948.28 | 1.05 | 488 | 485 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,133,240.00 | 5.84 |
| F09019-F09017 | 15 | 117 | 0.004 | 7.9 | 39,294.26 | 1.05 | 426 | 425.5 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,225,397.69 | 4.16 |
| E09049-E09047 | 8 | 357 | 0.008 | 8.6 | 8,513.12 | 1.05 | 441 | 438 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 846,085.64 | 4.36 |
| D16063-D16061 | 8 | 149 | 0.007 | 12 | 17,188.07 | 1.05 | 485 | 484 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 756,126.87 | 3.90 |
| F06085-F06083 | 8 | 224 | 0.007 | 9.6 | 13,803.84 | 1.05 | 497.59 | 495.91 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 799,315.88 | 4.12 |
| H05021-H05019 | 10 | 284 | 0.007 | 12.3 | 45,011.51 | 1.05 | 461 | 459 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,404,333.76 | 4.35 |
| F10085-F10083 | 8 | 65 | 0.015 | 4.8 | 4,179.87 | 1.05 | 413 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,144,803.98 | 5.90 |
| J15019-K15015 | 8 | 254 | 0.004 | 14.1 | 24,556.38 | 1.05 | 330 | 329 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 579,123.18 | 2.99 |
| F11031-F11029 | 8 | 259 | 0.005 | 13.3 | 21,958.04 | 1.05 | 401 | 399.64 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 668,817.12 | 3.45 |
| E14115-E13089 | 8 | 216 | 0.044 | 6.1 | 1,590.25 | 1.05 | 440 | 430.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,935,631.74 | 9.98 |
| E05021-E05019 | 8 | 249 | 0.008 | 8.9 | 11,164.86 | 1.05 | 519 | 517 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 827,185.92 | 4.27 |
| C04081-D04041 | 8 | 299 | 0.033 | 3.5 | 2,553.79 | 1.05 | 631 | 621 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,687,921.38 | 8.71 |
| E04053-E04051 | 8 | 414 | 0.01 | 8.1 | 10,433.41 | 1.05 | 551 | 547 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 907,230.48 | 4.68 |
| D06103-D06101 | 8 | 370 | 0.019 | 6 | 4,313.44 | 1.05 | 545 | 538 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,269,509.53 | 6.55 |
| E02062-E02060 | 8 | 54.8 | 0.007 | 11.3 | 14,436.64 | 1.05 | 558.3 | 557.91 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 784,374.07 | 4.05 |
| E14135-E14133 | 10 | 330 | 0.009 | 6.6 | 13,868.20 | 1.06 | 440 | 437 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,595,578.46 | 4.94 |
| G13011-G13005 | 8 | 267 | 0.011 | 6.7 | 6,331.23 | 1.06 | 396 | 393 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 978,346.74 | 5.05 |
| E07065-E07057 | 8 | 315 | 0.006 | 16.7 | 15,508.94 | 1.06 | 481 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 735,440.48 | 3.79 |
| J12079-J12077 | 12 | 285 | 0.007 | 39.6 | 20,230.32 | 1.06 | 359.76 | 357.81 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,250,916.44 | 4.35 |
| H06071-H06069 | 8 | 300 | 0.006 | 10.5 | 13,892.09 | 1.06 | 439.08 | 437.17 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 736,451.01 | 3.80 |
| G07091-G07089 | 8 | 321 | 0.012 | 6.8 | 7,499.23 | 1.06 | 461 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,030,303.76 | 5.31 |
| G14053-G14051 | 8 | 197 | 0.01 | 7.3 | 6,539.33 | 1.06 | 411 | 409 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 929,971.61 | 4.80 |
| F03041-F03033 | 8 | 250 | 0.012 | 7.6 | 8,137.94 | 1.06 | 524 | 521 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,011,063.49 | 5.21 |
| E10081-E10079 | 8 | 284 | 0.004 | 13.9 | 22,870.07 | 1.06 | 415 | 414 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 547,682.21 | 2.82 |
| E06069-E06065 | 8 | 247 | 0.008 | 8.5 | 11,401.04 | 1.06 | 515 | 513 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 830,528.10 | 4.28 |
| D15069-D15067 | 8 | 74 | 0.014 | 6 | 7,529.53 | 1.06 | 490 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,072,931.38 | 5.53 |
| D02037-D02035 | 8 | 295 | 0.017 | 5.5 | 5,470.21 | 1.06 | 627 | 622 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,201,605.21 | 6.20 |
| J11117-J11115 | 8 | 366 | 0.005 | 14.2 | 24,738.54 | 1.06 | 375 | 373 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 682,279.41 | 3.52 |
| C04011-C04009 | 8 | 272 | 0.022 | 4.3 | 4,008.04 | 1.06 | 626 | 620 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,370,815.42 | 7.07 |
| H05023-H05021 | 10 | 285 | 0.007 | 12.2 | 44,596.18 | 1.06 | 463 | 461 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,401,867.85 | 4.34 |
| D03021-D03019 | 8 | 319 | 0.019 | 5.6 | 5,453.37 | 1.06 | 608 | 603 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,265,808.74 | 6.53 |
| J14011-J14009 | 8 | 325 | 0.006 | 10.4 | 14,502.30 | 1.06 | 335 | 333 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 724,037.61 | 3.73 |
| F12135-F12133 | 8 | 250 | 0.008 | 9.8 | 16,410.18 | 1.06 | 401 | 399 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 825,529.89 | 4.26 |
| D13071-D13069 | 8 | 62 | 0.004 | 17.4 | 36,288.80 | 1.06 | 430.5 | 430.25 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 586,086.84 | 3.02 |
| G10059-G10057 | 8 | 269 | 0.004 | 14.7 | 25,246.24 | 1.06 | 395 | 394 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 562,745.03 | 2.90 |
| H09009-H09007 | 8 | 290 | 0.003 | 20.5 | 49,924.81 | 1.06 | 408 | 407 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 541,986.92 | 2.80 |
| E05037-E05035 | 8 | 357 | 0.006 | 33.4 | 21,473.74 | 1.06 | 531 | 529 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 690,826.04 | 3.56 |
| C11011-C11009 | 8 | 181 | 0.006 | 13.4 | 13,833.60 | 1.06 | 558 | 557 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 686,038.55 | 3.54 |
| G15013-G15011 | 8 | 251 | 0.012 | 6.9 | 8,722.50 | 1.06 | 445 | 442 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,009,047.41 | 5.20 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| H05049-H05047 | 8 | 253 | 0.004 | 24.2 | 74,391.47 | 1.06 | 467 | 466 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 580,266.56 | 2.99 |
| E03115-E03113 | 8 | 207 | 0.019 | 5.9 | 5,688.78 | 1.06 | 577 | 573 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,283,017.65 | 6.62 |
| J11015-J11013 | 8 | 299 | 0.013 | 7.8 | 8,273.86 | 1.06 | 378 | 374 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,067,535.21 | 5.51 |
| E12109-E12107 | 8 | 70 | 0.014 | 10 | 7,506.83 | 1.06 | 409 | 408 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,103,160.71 | 5.69 |
| G10057-H10043 | 8 | 269 | 0.004 | 14.9 | 26,820.84 | 1.06 | 394 | 393 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 562,745.03 | 2.90 |
| F11049-F11047 | 8 | 284 | 0.004 | 15.1 | 24,217.36 | 1.06 | 396 | 395 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 547,682.21 | 2.82 |
| H04017-H04015 | 8 | 303 | 0.007 | 14.2 | 32,678.32 | 1.06 | 478 | 476 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 749,862.25 | 3.87 |
| G05001-H05023 | 10 | 286 | 0.007 | 12.2 | 44,360.00 | 1.06 | 465 | 463 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,399,414.89 | 4.33 |
| C10001-D10087 | 8 | 324 | 0.005 | 10.7 | 15,836.92 | 1.06 | 485 | 483.35 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 658,653.91 | 3.40 |
| D14037-D14035 | 8 | 243 | 0.045 | 2.7 | 1,590.25 | 1.07 | 481 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,963,726.55 | 10.13 |
| F04099-F05067 | 8 | 259 | 0.008 | 12.6 | 13,645.18 | 1.07 | 524 | 522 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 811,059.89 | 4.18 |
| C02021-C02019 | 8 | 269 | 0.011 | 10.8 | 8,496.25 | 1.07 | 639 | 636 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 974,702.98 | 5.03 |
| C07095-C07093 | 8 | 295 | 0.007 | 11.2 | 16,183.69 | 1.07 | 527 | 525 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 759,961.86 | 3.92 |
| G09151-G09149 | 8 | 190 | 0.01 | 8.1 | 12,097.72 | 1.07 | 425.82 | 424 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 903,330.56 | 4.66 |
| G14023-G14021 | 12 | 266 | 0.004 | 11.1 | 40,155.76 | 1.07 | 416 | 415 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,668,490.28 | 3.23 |
| G05115-G05113 | 8 | 188 | 0.011 | 7 | 8,968.91 | 1.07 | 491 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 951,971.35 | 4.91 |
| H09007-H09005 | 8 | 270 | 0.004 | 20.7 | 49,470.65 | 1.07 | 407 | 406 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 561,701.94 | 2.90 |
| D06085-D06073 | 8 | 223 | 0.004 | 16.4 | 23,790.47 | 1.07 | 534 | 533 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 618,066.74 | 3.19 |
| E05061-E05059 | 8 | 421 | 0.012 | 7.2 | 8,480.87 | 1.07 | 532 | 527 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,005,846.62 | 5.19 |
| F09111-F09109 | 8 | 131 | 0.008 | 9.1 | 10,869.88 | 1.07 | 430 | 429 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 806,403.05 | 4.16 |
| D13075-D13073 | 8 | 255 | 0.004 | 18.4 | 34,523.87 | 1.07 | 432 | 431 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 577,986.53 | 2.98 |
| E13013-E13011 | 8 | 300 | 0.01 | 7.6 | 10,096.45 | 1.07 | 427 | 424 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 922,970.47 | 4.76 |
| F06119-F06117 | 10 | 243 | 0.004 | 13.6 | 36,036.62 | 1.07 | 483 | 482 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,073,523.05 | 3.32 |
| F15085-F15083 | 8 | 148 | 0.02 | 5.1 | 4,761.52 | 1.07 | 479 | 476 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,314,067.21 | 6.78 |
| D14101-D14099 | 8 | 105 | 0.01 | 8.8 | 10,734.21 | 1.07 | 458 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 900,726.95 | 4.65 |
| G11005-G11003 | 8 | 290 | 0.014 | 5.4 | 5,370.09 | 1.07 | 384 | 380 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,083,973.85 | 5.59 |
| E18051-D18017 | 8 | 308 | 0.015 | 7.8 | 10,166.66 | 1.07 | 528.15 | 523.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,134,067.55 | 5.85 |
| D13103-D13101 | 8 | 275 | 0.029 | 3.2 | 2,782.94 | 1.07 | 513 | 505 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,574,223.73 | 8.12 |
| G10063-G10061 | 8 | 281 | 0.004 | 12.9 | 21,010.65 | 1.07 | 397 | 395.86 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,877.82 | 3.03 |
| F02157-F02155 | 8 | 300 | 0.001 | 60.2 | 183,371.30 | 1.07 | 539.36 | 539.1 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 271,715.15 | 1.40 |
| E12173-E12171 | 8 | 230 | 0.009 | 10 | 14,022.24 | 1.07 | 414 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 860,674.40 | 4.44 |
| D02107-D02105 | 8 | 254 | 0.012 | 6.4 | 8,111.42 | 1.07 | 623 | 620 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,003,070.77 | 5.17 |
| H05043-H05025 | 8 | 271 | 0.004 | 26.4 | 85,531.55 | 1.07 | 463 | 462 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 560,664.63 | 2.89 |
| J06077-J06075 | 8 | 34 | 0.012 | 7.7 | 6,799.19 | 1.07 | 426.95 | 426.53 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,025,824.33 | 5.29 |
| K12047-K12045 | 8 | 293 | 0.01 | 9.2 | 8,346.27 | 1.07 | 355 | 352 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 933,930.64 | 4.82 |
| F08113-F08107 | 12 | 278 | 0.001 | 41.4 | 204,987.12 | 1.07 | 452 | 451.7 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 893,928.38 | 1.73 |
| E08017-E08015 | 8 | 249 | 0.004 | 36.5 | 25,880.38 | 1.07 | 446 | 445 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 584,908.77 | 3.02 |
| F11015-F11013 | 8 | 390 | 0.008 | 11.3 | 18,218.23 | 1.07 | 400 | 397 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 809,498.65 | 4.17 |
| D02047-D02021 | 8 | 235 | 0.013 | 11.2 | 7,236.30 | 1.07 | 604 | 601 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,042,832.37 | 5.38 |
| J14073-J14071 | 8 | 126 | 0.004 | 14.5 | 26,254.86 | 1.07 | 336 | 335.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 581,416.75 | 3.00 |
| F12087-F12085 | 8 | 237 | 0.008 | 9.7 | 16,483.63 | 1.07 | 402 | 400 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 847,868.76 | 4.37 |
| F04185-F04183 | 8 | 262 | 0.006 | 13.6 | 19,510.60 | 1.08 | 529 | 527.54 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 688,991.06 | 3.55 |
| F06097-F06067 | 8 | 160 | 0.013 | 12 | 8,915.91 | 1.08 | 488 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,031,912.36 | 5.32 |
| E12037-E12035 | 8 | 254 | 0.008 | 11.8 | 17,095.01 | 1.08 | 418 | 416 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 819,003.86 | 4.22 |
| E06043-E06041 | 8 | 247 | 0.004 | 20.6 | 27,962.50 | 1.08 | 503 | 502 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,272.05 | 3.03 |
| D05027-D05025 | 8 | 224 | 0.027 | 4.4 | 2,873.56 | 1.08 | 591 | 585 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,510,565.02 | 7.79 |
| E13011-E13009 | 8 | 304 | 0.01 | 8.5 | 11,255.23 | 1.08 | 424 | 421 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 916,878.19 | 4.73 |
| E15061-E15059 | 8 | 328 | 0.006 | 15 | 21,811.93 | 1.08 | 462 | 460 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 720,718.85 | 3.72 |
| D03047-D03037 | 8 | 327 | 0.012 | 8.4 | 9,430.76 | 1.08 | 611 | 607 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,020,807.67 | 5.26 |
| E16017-E16015 | 8 | 318 | 0.013 | 14.8 | 8,139.25 | 1.08 | 482 | 478 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,035,152.28 | 5.34 |
| F02041-F02039 | 8 | 67 | 0.006 | 12.7 | 20,248.22 | 1.08 | 524.74 | 524.36 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 695,091.86 | 3.58 |
| G10051-G10039 | 8 | 136 | 0.004 | 17.2 | 27,282.41 | 1.08 | 401.5 | 401 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 559,633.05 | 2.89 |
| D13081-D13079 | 8 | 205 | 0.005 | 13.9 | 26,769.66 | 1.08 | 441 | 440 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 644,630.54 | 3.32 |
| J14071-J14069 | 8 | 120 | 0.004 | 14.2 | 25,929.75 | 1.08 | 335.5 | 335 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 595,774.88 | 3.07 |
| E03135-E03091 | 8 | 215 | 0.009 | 15.2 | 12,350.74 | 1.08 | 565 | 563 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 890,191.77 | 4.59 |
| E12055-E12053 | 8 | 397 | 0.01 | 8.3 | 11,396.58 | 1.08 | 425 | 421 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 926,451.20 | 4.78 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| F09027-F09023 | 8 | 302 | 0.003 | 18.1 | 38,048.98 | 1.08 | 429 | 428 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 531,109.83 | 2.74 |
| H13019-H13013 | 8 | 249 | 0.004 | 16.3 | 30,110.46 | 1.08 | 371.44 | 370.56 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 548,693.06 | 2.83 |
| E04067-E04057 | 8 | 129 | 0.023 | 6.8 | 3,932.23 | 1.09 | 547 | 544 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,407,516.77 | 7.26 |
| K09007-K09005 | 12 | 301 | 0.01 | 10.2 | 51,161.67 | 1.09 | 384.38 | 381.52 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,652,554.20 | 5.13 |
| F05097-F05087 | 8 | 293 | 0.017 | 8.8 | 5,152.03 | 1.09 | 515 | 510 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,205,699.27 | 6.22 |
| F10059-F10057 | 8 | 224 | 0.004 | 12.1 | 19,244.49 | 1.09 | 408 | 407 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 616,685.59 | 3.18 |
| H05045-H05043 | 8 | 265 | 0.004 | 26.3 | 84,950.65 | 1.09 | 464 | 463 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 566,976.25 | 2.92 |
| E12115-E12107 | 8 | 256 | 0.008 | 11.9 | 15,832.17 | 1.09 | 410 | 408 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 815,798.35 | 4.21 |
| F18013-F18011 | 8 | 331 | 0.012 | 19 | 10,270.96 | 1.09 | 536 | 532 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,014,620.90 | 5.23 |
| E07071-E07069 | 8 | 244 | 0.016 | 5.7 | 5,664.87 | 1.09 | 489 | 485 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,181,742.60 | 6.09 |
| E01027-E01025 | 8 | 217 | 0.004 | 16.9 | 34,652.39 | 1.09 | 590.3 | 589.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 560,406.20 | 2.89 |
| G12009-G12007 | 8 | 265 | 0.006 | 20.6 | 14,898.57 | 1.09 | 381 | 379.48 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 699,015.27 | 3.61 |
| G15017-G15013 | 8 | 260 | 0.015 | 6 | 6,477.55 | 1.09 | 449 | 445 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,144,803.98 | 5.90 |
| H07015-H07013 | 8 | 264 | 0.003 | 18.7 | 35,442.31 | 1.09 | 437.19 | 436.3 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 535,896.41 | 2.76 |
| E05113-E05111 | 8 | 201 | 0.005 | 12.9 | 21,759.10 | 1.09 | 518 | 517 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 651,013.18 | 3.36 |
| K11005-K11003 | 18 | 232 | 0.002 | 25.4 | 419,747.22 | 1.09 | 363.36 | 363 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 3,160,446.53 | 2.72 |
| H04013-H04007 | 8 | 304 | 0.006 | 18.2 | 49,455.48 | 1.09 | 473.68 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 686,128.81 | 3.54 |
| J07125-J07123 | 10 | 137 | 0.004 | 14 | 41,973.84 | 1.09 | 415.66 | 415.16 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,010,972.23 | 3.13 |
| G12015-G12013 | 8 | 102 | 0.006 | 9.5 | 13,107.48 | 1.09 | 384.3 | 383.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 707,886.04 | 3.65 |
| G15011-G15009 | 8 | 262 | 0.011 | 7.7 | 9,972.78 | 1.09 | 442 | 439 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 987,637.99 | 5.09 |
| G12017-G12015 | 8 | 113 | 0.006 | 9.3 | 12,714.57 | 1.09 | 385 | 384.3 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 726,436.41 | 3.75 |
| E04003-E04001 | 8 | 394 | 0.013 | 7.5 | 8,474.97 | 1.09 | 549 | 544 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,039,739.87 | 5.36 |
| H13087-H12067 | 8 | 261 | 0.004 | 14.8 | 27,029.37 | 1.09 | 376 | 375 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 571,304.38 | 2.95 |
| E05111-E05109 | 8 | 211 | 0.005 | 13.4 | 24,361.15 | 1.09 | 517 | 516 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 635,399.08 | 3.28 |
| H06061-H06059 | 8 | 350 | 0.008 | 10 | 12,364.90 | 1.09 | 444.4 | 441.6 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 825,529.89 | 4.26 |
| E06067-E06065 | 8 | 96 | 0.021 | 6.5 | 4,313.44 | 1.09 | 515 | 513 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,332,193.13 | 6.87 |
| D05023-D05021 | 8 | 102 | 0.01 | 7.4 | 9,967.17 | 1.09 | 586 | 585 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 913,876.95 | 4.71 |
| G09117-H09013 | 8 | 306 | 0.003 | 21 | 50,819.45 | 1.1 | 410 | 409 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 527,627.10 | 2.72 |
| G05113-G05111 | 8 | 176 | 0.011 | 7.5 | 9,724.83 | 1.1 | 489 | 487 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 983,889.83 | 5.07 |
| D07095-D07091 | 8 | 337 | 0.012 | 16.7 | 8,004.85 | 1.1 | 489 | 485 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,005,548.11 | 5.19 |
| D15023-E15025 | 8 | 262 | 0.011 | 8.5 | 10,712.87 | 1.1 | 464 | 461 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 987,637.99 | 5.09 |
| C07091-C07087 | 8 | 293 | 0.007 | 12 | 18,969.69 | 1.1 | 524 | 522 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 762,551.18 | 3.93 |
| E12015-E12013 | 8 | 206 | 0.005 | 14.5 | 29,211.92 | 1.1 | 415 | 414 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 643,064.00 | 3.32 |
| G13115-G13113 | 8 | 237 | 0.004 | 12.4 | 19,661.86 | 1.1 | 395 | 394 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 599,533.75 | 3.09 |
| C02001-D02001 | 8 | 353 | 0.003 | 25.3 | 69,116.55 | 1.1 | 626 | 625 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 491,247.61 | 2.53 |
| D06095-D06021 | 8 | 333 | 0.003 | 27.4 | 42,064.37 | 1.1 | 529 | 528 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 505,784.70 | 2.61 |
| F07157-F08141 | 8 | 314 | 0.01 | 8.9 | 12,069.62 | 1.1 | 461 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 902,160.09 | 4.65 |
| F17019-F17017 | 12 | 244 | 0.002 | 22.9 | 141,332.91 | 1.1 | 523 | 522.5 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,231,840.81 | 2.38 |
| K14071-K14069 | 8 | 228 | 0.004 | 14.2 | 26,448.42 | 1.1 | 329 | 328 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 611,252.13 | 3.15 |
| G12011-G12009 | 8 | 354 | 0.006 | 10 | 14,461.94 | 1.1 | 383 | 381 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 693,747.09 | 3.58 |
| E08065-E08063 | 8 | 303 | 0.003 | 18.3 | 37,728.91 | 1.1 | 468 | 467 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 530,232.68 | 2.73 |
| D08039-D08007 | 15 | 202 | 0.005 | 22.9 | 56,726.52 | 1.1 | 457 | 456 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,471,486.77 | 4.48 |
| J07129-J07125 | 10 | 199 | 0.004 | 14 | 42,109.20 | 1.1 | 416.37 | 415.66 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 999,579.05 | 3.09 |
| E01029-E01027 | 8 | 220 | 0.004 | 17 | 34,840.73 | 1.1 | 591.1 | 590.3 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 556,572.14 | 2.87 |
| F11021-F11019 | 8 | 394 | 0.005 | 16.5 | 38,980.22 | 1.1 | 398 | 396 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 657,589.23 | 3.39 |
| F12109-F12107 | 8 | 265 | 0.011 | 44.6 | 11,824.43 | 1.1 | 403 | 400 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 982,031.68 | 5.06 |
| E14111-E14093 | 8 | 270 | 0.019 | 10 | 5,545.96 | 1.1 | 440 | 434.98 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,258,513.23 | 6.49 |
| E14133-E14131 | 10 | 367 | 0.011 | 7.8 | 14,236.94 | 1.1 | 437 | 433 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,747,074.69 | 5.41 |
| F09083-F09081 | 8 | 457 | 0.022 | 16.6 | 3,224.60 | 1.1 | 434 | 424 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,365,305.08 | 7.04 |
| F05091-F05089 | 8 | 377 | 0.011 | 8.8 | 9,458.75 | 1.1 | 515 | 511 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 950,707.95 | 4.90 |
| C02043-C02041 | 8 | 257 | 0.012 | 9.7 | 13,906.85 | 1.1 | 636 | 633.02 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 993,869.53 | 5.13 |
| D10067-D10065 | 8 | 333 | 0.006 | 10.5 | 14,541.11 | 1.1 | 450 | 448 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 715,287.59 | 3.69 |
| F13011-F13009 | 8 | 298 | 0.007 | 9.1 | 11,912.48 | 1.1 | 413 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 756,126.87 | 3.90 |
| D07009-D07141 | 8 | 233 | 0.013 | 7.9 | 9,359.43 | 1.1 | 490 | 487 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,047,298.48 | 5.40 |
| K11073-K11071 | 8 | 317 | 0.003 | 18.3 | 38,022.18 | 1.1 | 348 | 347 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 518,391.86 | 2.67 |
| K13009-K13007 | 8 | 261 | 0.006 | 12.1 | 19,849.77 | 1.1 | 322.54 | 321 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 708,970.09 | 3.66 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| D15027-D15025 | 8 | 91 | 0.011 | 7.8 | 10,737.90 | 1.1 | 466 | 465 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 967,535.95 | 4.99 |
| H04025-H04023 | 8 | 127 | 0.016 | 8.9 | 16,430.84 | 1.1 | 478 | 476 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,158,246.36 | 5.97 |
| D05065-D05063 | 8 | 360 | 0.022 | 4.3 | 4,734.66 | 1.1 | 603 | 595 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,375,883.14 | 7.10 |
| G13119-H13079 | 10 | 263 | 0.008 | 8 | 11,553.18 | 1.1 | 385 | 383.02 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,452,008.74 | 4.49 |
| F08033-F08031 | 8 | 367 | 0.003 | 19 | 37,910.06 | 1.11 | 440 | 439 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 481,786.66 | 2.48 |
| D03033-D03031 | 8 | 329 | 0.021 | 4.9 | 5,099.55 | 1.11 | 618 | 611 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,346,290.80 | 6.94 |
| H13013-H13007 | 8 | 265 | 0.004 | 18.1 | 33,107.91 | 1.11 | 370.56 | 369.63 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 546,772.10 | 2.82 |
| C04059-C04057 | 8 | 161 | 0.081 | 2.2 | 1,094.80 | 1.11 | 681 | 668 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,622,687.49 | 13.53 |
| J08049-J08035 | 8 | 239 | 0.01 | 7.3 | 9,712.72 | 1.11 | 399.24 | 396.88 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 917,159.48 | 4.73 |
| G13071-F13037 | 8 | 226 | 0.005 | 14.3 | 16,169.13 | 1.11 | 405 | 403.84 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 661,245.28 | 3.41 |
| E04059-E04057 | 8 | 267 | 0.011 | 8.5 | 10,420.97 | 1.11 | 547 | 544 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 978,346.74 | 5.05 |
| C06079-C06077 | 8 | 154 | 0.058 | 2.1 | 1,321.70 | 1.11 | 573 | 564 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,231,252.40 | 11.51 |
| K12007-K12005 | 18 | 263 | 0.001 | 27.9 | 482,984.45 | 1.11 | 362.33 | 362 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 2,841,975.20 | 2.44 |
| F15109-F15107 | 8 | 281 | 0.007 | 10.9 | 19,366.94 | 1.11 | 477 | 475 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 778,663.19 | 4.02 |
| E04057-E04049 | 8 | 253 | 0.008 | 12 | 16,255.10 | 1.11 | 544 | 542 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 820,620.84 | 4.23 |
| F09097-F09085 | 8 | 227 | 0.004 | 21.8 | 25,343.72 | 1.11 | 426 | 425 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 612,597.02 | 3.16 |
| E11049-E11047 | 8 | 291 | 0.021 | 6.3 | 5,666.57 | 1.11 | 428 | 422 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,325,308.36 | 6.84 |
| E11029-F11023 | 8 | 386 | 0.005 | 15.8 | 35,926.43 | 1.11 | 403 | 401 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 664,368.68 | 3.43 |
| J14117-J14115 | 8 | 318 | 0.003 | 100 | 44,654.73 | 1.11 | 334 | 333 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 517,576.14 | 2.67 |
| F13101-F12103 | 8 | 307 | 0.007 | 12.5 | 23,199.23 | 1.11 | 411 | 409 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 744,961.14 | 3.84 |
| G08019-G08017 | 8 | 318 | 0.005 | 11.8 | 20,103.65 | 1.11 | 442.74 | 441 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 682,729.82 | 3.52 |
| D06099-D06097 | 8 | 326 | 0.006 | 11.3 | 18,328.49 | 1.11 | 534 | 531 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 722,926.27 | 3.73 |
| F08007-F08005 | 8 | 213 | 0.019 | 5.3 | 4,255.31 | 1.11 | 451 | 447 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,264,817.89 | 6.52 |
| F04167-F04165 | 8 | 251 | 0.004 | 17.2 | 35,218.96 | 1.11 | 527 | 526 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 582,573.80 | 3.00 |
| F09113-F09111 | 8 | 102 | 0.009 | 7.9 | 10,337.04 | 1.11 | 430.9 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 866,979.79 | 4.47 |
| D01029-D01027 | 8 | 278 | 0.011 | 7.9 | 11,631.65 | 1.11 | 622 | 619 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 958,795.61 | 4.94 |
| G04107-G04105 | 12 | 262 | 0.015 | 4 | 8,911.45 | 1.11 | 502 | 498 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,362,357.19 | 6.50 |
| D17085-D17083 | 8 | 194 | 0.005 | 14.5 | 28,527.42 | 1.11 | 503 | 502 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 662,654.18 | 3.42 |
| H08023-H08021 | 8 | 57 | 0.018 | 5.3 | 6,504.97 | 1.12 | 431 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,222,504.25 | 6.30 |
| H11031-H11029 | 8 | 28 | 0.036 | 4 | 2,098.12 | 1.12 | 373 | 372 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,744,250.24 | 9.00 |
| E06059-E06057 | 8 | 253 | 0.012 | 7.8 | 8,626.87 | 1.12 | 511 | 508 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,005,051.17 | 5.18 |
| K11013-K11011 | 18 | 328 | 0.002 | 29.3 | 415,305.15 | 1.12 | 364 | 363.5 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 3,132,486.94 | 2.69 |
| E18061-E18059 | 8 | 329 | 0.013 | 7 | 10,261.96 | 1.12 | 541.8 | 537.6 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,042,832.37 | 5.38 |
| J14007-J14005 | 8 | 213 | 0.005 | 13.4 | 24,501.20 | 1.12 | 332 | 331 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 632,408.95 | 3.26 |
| D15065-D15053 | 8 | 370 | 0.011 | 9.4 | 11,691.67 | 1.12 | 480 | 476 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 959,659.00 | 4.95 |
| E16043-E16041 | 8 | 229 | 0.013 | 9 | 9,194.63 | 1.12 | 485 | 482 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,056,405.60 | 5.45 |
| E05151-E05149 | 8 | 254 | 0.008 | 9.4 | 14,558.04 | 1.12 | 518 | 516 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 819,003.86 | 4.22 |
| F14029-F14027 | 8 | 345 | 0.006 | 10.1 | 14,939.62 | 1.12 | 435 | 433 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 702,737.71 | 3.62 |
| H13029-H13027 | 8 | 48 | 0.006 | 12.1 | 14,565.86 | 1.12 | 373.2 | 372.9 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 729,672.23 | 3.76 |
| E14025-E14023 | 8 | 220 | 0.005 | 15.6 | 32,777.30 | 1.12 | 455 | 454 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 622,266.57 | 3.21 |
| F12103-F12101 | 8 | 327 | 0.006 | 13.1 | 25,534.90 | 1.12 | 409 | 407 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 721,820.03 | 3.72 |
| E11033-E11031 | 8 | 395 | 0.005 | 15.4 | 33,680.78 | 1.12 | 408 | 406 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 656,756.31 | 3.39 |
| E05019-E05017 | 8 | 266 | 0.008 | 10.6 | 15,291.16 | 1.12 | 517 | 515 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 800,316.90 | 4.13 |
| E05007-E05005 | 8 | 310 | 0.023 | 5.5 | 4,271.62 | 1.12 | 535 | 528 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,386,934.59 | 7.15 |
| E04101-E04099 | 8 | 265 | 0.011 | 8.1 | 11,044.61 | 1.12 | 554 | 551 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 982,031.68 | 5.06 |
| F14001-F13049 | 12 | 256 | 0.005 | 10.9 | 43,229.32 | 1.12 | 412 | 410.83 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,839,659.49 | 3.56 |
| G02029-G02027 | 8 | 240 | 0.004 | 19 | 46,571.71 | 1.12 | 511.36 | 510.38 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 589,787.04 | 3.04 |
| E18059-E18057 | 8 | 323 | 0.014 | 7.1 | 10,236.38 | 1.12 | 537.6 | 533.21 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,076,016.19 | 5.55 |
| H04015-H04013 | 8 | 297 | 0.008 | 16 | 33,488.30 | 1.12 | 476 | 473.68 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 815,743.41 | 4.21 |
| E14105-E14093 | 8 | 360 | 0.014 | 10.8 | 9,084.44 | 1.12 | 439.98 | 434.98 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,087,731.13 | 5.61 |
| J12015-J12027 | 30 | 257 | 0.001 | 14.3 | 533,162.83 | 1.12 | 359.38 | 359 | Vitrified Clay Pipe-Circular-30 inch | 4.9 | 12,046,561.19 | 3.80 |
| E03065-E03063 | 8 | 106 | 0.009 | 9.3 | 14,253.87 | 1.12 | 575 | 574 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 896,468.17 | 4.62 |
| E13101-E13099 | 10 | 378 | 0.005 | 13 | 36,132.01 | 1.12 | 427 | 425 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,217,260.72 | 3.77 |
| H11157-H11129 | 8 | 530 | 0.009 | 13.6 | 10,018.45 | 1.12 | 379 | 374 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 896,468.17 | 4.62 |
| C06077-C06075 | 8 | 246 | 0.041 | 3.6 | 1,871.54 | 1.12 | 564 | 554 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,860,888.08 | 9.60 |
| E04037-E04035 | 8 | 392 | 0.01 | 11.3 | 12,961.65 | 1.12 | 548 | 544 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 932,340.97 | 4.81 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| F13047-F13045 | 12 | 331 | 0.005 | 10.4 | 43,135.24 | 1.13 | 410.61 | 409 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,897,856.80 | 3.67 |
| D03075-D03073 | 8 | 297 | 0.017 | 5.9 | 7,273.26 | 1.13 | 623 | 618 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,197,552.56 | 6.18 |
| E13085-E13079 | 8 | 255 | 0.004 | 19.1 | 46,016.44 | 1.13 | 430 | 429 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 577,986.53 | 2.98 |
| E03053-E03051 | 6 | 314 | 0.013 | 14.3 | 8,472.86 | 1.13 | 573 | 569 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 483,707.72 | 3.74 |
| E03069-E03049 | 6 | 314 | 0.013 | 18.6 | 8,472.86 | 1.13 | 570 | 566 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 483,707.72 | 3.74 |
| F07135-F08121 | 8 | 314 | 0.01 | 9.1 | 13,803.11 | 1.13 | 463 | 460 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 902,160.09 | 4.65 |
| D13027-D13025 | 8 | 247 | 0.004 | 16.4 | 34,407.26 | 1.13 | 428 | 427 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,272.05 | 3.03 |
| D05091-D05089 | 8 | 277 | 0.029 | 3.9 | 3,642.99 | 1.13 | 601 | 593 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,568,530.31 | 8.09 |
| G03051-G03031 | 8 | 359 | 0.014 | 16.4 | 7,482.03 | 1.13 | 510 | 505 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,089,245.03 | 5.62 |
| F03177-F04177 | 8 | 264 | 0.008 | 10.8 | 16,443.57 | 1.13 | 537 | 535 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 803,342.68 | 4.14 |
| D18003-D18001 | 12 | 263 | 0.004 | 16.6 | 80,232.28 | 1.13 | 514 | 513 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,677,979.40 | 3.25 |
| E06057-E06055 | 8 | 244 | 0.008 | 16.7 | 14,239.23 | 1.13 | 508 | 506 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 835,618.20 | 4.31 |
| J11007-J11005 | 8 | 297 | 0.024 | 5.7 | 4,894.65 | 1.13 | 381 | 374 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,416,963.30 | 7.31 |
| F02039-G02053 | 8 | 176 | 0.005 | 14.4 | 27,430.94 | 1.13 | 524.36 | 523.41 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 678,099.27 | 3.50 |
| L14039-K14083 | 8 | 228 | 0.009 | 12.3 | 12,684.71 | 1.13 | 319 | 317 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 864,441.05 | 4.46 |
| J15021-J15019 | 8 | 45 | 0.006 | 13 | 21,077.73 | 1.13 | 330.25 | 330 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 687,941.57 | 3.55 |
| F01001-F02047 | 8 | 457 | 0.006 | 11.5 | 19,570.69 | 1.13 | 532.57 | 529.97 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 696,171.73 | 3.59 |
| G02027-G02025 | 8 | 99 | 0.004 | 19 | 46,657.92 | 1.13 | 511.77 | 511.36 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 593,966.76 | 3.06 |
| F07017-F07015 | 8 | 220 | 0.005 | 17.4 | 40,995.70 | 1.14 | 453 | 452 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 622,266.57 | 3.21 |
| H09005-H09003 | 8 | 270 | 0.004 | 24.6 | 56,509.67 | 1.14 | 406 | 405 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 561,701.94 | 2.90 |
| H11133-H11131 | 8 | 529 | 0.009 | 12.3 | 10,537.23 | 1.14 | 380 | 375 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 897,315.09 | 4.63 |
| D07087-D07085 | 8 | 97 | 0.031 | 5.3 | 2,875.62 | 1.14 | 508 | 505 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,623,164.62 | 8.37 |
| G08117-G08115 | 12 | 399 | 0.005 | 13 | 43,532.44 | 1.14 | 436 | 434 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,926,606.62 | 3.73 |
| D03043-D03041 | 8 | 313 | 0.019 | 5.1 | 5,830.24 | 1.14 | 623 | 617 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,277,883.50 | 6.59 |
| J14111-J14109 | 8 | 216 | 0.005 | 14.2 | 25,584.42 | 1.14 | 353 | 352 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 628,001.86 | 3.24 |
| H13001-G13107 | 8 | 374 | 0.003 | 19.6 | 40,234.18 | 1.14 | 392 | 391 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 477,256.67 | 2.46 |
| E13077-E13075 | 8 | 316 | 0.003 | 25.8 | 62,637.77 | 1.14 | 427 | 426 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 519,211.46 | 2.68 |
| J08035-J08033 | 8 | 179 | 0.011 | 13.7 | 9,484.29 | 1.14 | 396.88 | 394.87 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 978,046.09 | 5.04 |
| D14075-D14073 | 8 | 264 | 0.042 | 3.2 | 2,385.38 | 1.14 | 474 | 463 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,884,005.59 | 9.72 |
| G13107-G13105 | 8 | 352 | 0.003 | 19.5 | 40,986.75 | 1.14 | 391 | 390 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 491,944.91 | 2.54 |
| D06121-D06119 | 8 | 228 | 0.013 | 13.1 | 8,249.53 | 1.14 | 525 | 522 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,058,719.74 | 5.46 |
| H11037-H11035 | 8 | 238 | 0.013 | 100 | 6,799.47 | 1.14 | 373 | 369.92 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,049,964.67 | 5.42 |
| E16087-E16085 | 6 | 100 | 0.02 | 10.2 | 4,864.58 | 1.14 | 504 | 502 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 606,084.03 | 4.69 |
| K11015-K11013 | 18 | 323 | 0.002 | 24.5 | 415,598.59 | 1.14 | 364.5 | 364 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 3,156,639.09 | 2.71 |
| F15015-F15013 | 8 | 163 | 0.026 | 5.7 | 3,497.76 | 1.14 | 457 | 452.78 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,485,081.30 | 7.66 |
| F06129-F06127 | 8 | 127 | 0.004 | 17 | 36,452.56 | 1.14 | 487.5 | 487 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 579,123.18 | 2.99 |
| E15079-E15077 | 8 | 334 | 0.018 | 6.7 | 6,982.67 | 1.14 | 479 | 473 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,237,058.39 | 6.38 |
| C04019-D04037 | 12 | 277 | 0.018 | 6.6 | 8,681.16 | 1.14 | 636 | 631 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,656,028.86 | 7.07 |
| D10031-D10029 | 8 | 313 | 0.006 | 13.3 | 15,728.60 | 1.14 | 454 | 452 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 737,786.38 | 3.81 |
| G09147-G09145 | 8 | 49 | 0.012 | 7.9 | 12,570.98 | 1.15 | 422.33 | 421.76 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 995,467.75 | 5.13 |
| H10005-H10003 | 12 | 500 | 0.004 | 14.5 | 59,167.09 | 1.15 | 385 | 383 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,721,053.99 | 3.33 |
| F19001-F18035 | 8 | 250 | 0.003 | 23.5 | 61,396.14 | 1.15 | 549.64 | 549 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 508,319.26 | 2.62 |
| K11041-K11039 | 8 | 285 | 0.007 | 11 | 16,220.60 | 1.15 | 358 | 356 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 773,179.58 | 3.99 |
| G04105-G04087 | 12 | 342 | 0.015 | 15.4 | 10,452.62 | 1.15 | 498 | 493 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,290,307.20 | 6.36 |
| D09025-C09003 | 8 | 230 | 0.004 | 14.7 | 26,634.13 | 1.15 | 455.74 | 454.82 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 583,737.78 | 3.01 |
| J14119-J14117 | 8 | 311 | 0.003 | 39.8 | 45,188.72 | 1.15 | 335 | 334 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 523,368.54 | 2.70 |
| K14069-K15009 | 8 | 195 | 0.005 | 14.3 | 26,474.11 | 1.15 | 328 | 327 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 660,952.88 | 3.41 |
| D16089-E16037 | 8 | 203 | 0.005 | 17.4 | 37,597.91 | 1.15 | 497 | 496 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 647,798.28 | 3.34 |
| E06109-F06069 | 8 | 360 | 0.006 | 14.1 | 29,525.92 | 1.15 | 493 | 491 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 687,941.57 | 3.55 |
| J15013-J14023 | 8 | 152 | 0.007 | 18.1 | 18,050.28 | 1.15 | 342 | 341 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 748,627.91 | 3.86 |
| E15067-E15065 | 8 | 280 | 0.014 | 6.7 | 9,483.19 | 1.15 | 474 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,103,160.71 | 5.69 |
| C06035-C06015 | 8 | 293 | 0.007 | 16.2 | 18,475.34 | 1.15 | 541 | 539 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 762,551.18 | 3.93 |
| E11041-E11039 | 8 | 321 | 0.006 | 12.8 | 24,584.17 | 1.15 | 417 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 728,534.78 | 3.76 |
| K14023-K14021 | 18 | 238 | 0.001 | 29.6 | 466,850.54 | 1.15 | 322 | 321.78 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 2,439,293.46 | 2.10 |
| F02043-F02041 | 8 | 159 | 0.007 | 11.5 | 20,321.17 | 1.15 | 525.78 | 524.74 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 746,458.92 | 3.85 |
| H11131-H11129 | 8 | 264 | 0.004 | 18.3 | 35,853.01 | 1.15 | 375 | 374 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 568,049.06 | 2.93 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| H08005-H08003 | 12 | 207 | 0.003 | 14.8 | 75,312.38 | 1.15 | 427.44 | 426.73 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,593,707.07 | 3.08 |
| C03055-D03053 | 8 | 298 | 0.04 | 4.6 | 2,553.72 | 1.15 | 635 | 623 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,852,125.02 | 9.55 |
| G02025-G02021 | 8 | 106 | 0.004 | 18.9 | 46,749.75 | 1.15 | 512.22 | 511.77 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 601,369.13 | 3.10 |
| G09149-G09147 | 8 | 143 | 0.012 | 7.8 | 12,555.82 | 1.15 | 424 | 422.33 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 997,419.89 | 5.14 |
| F15081-F15077 | 8 | 225 | 0.013 | 7.2 | 9,905.47 | 1.15 | 473 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,065,754.50 | 5.50 |
| G09043-G09041 | 8 | 142 | 0.007 | 15.7 | 18,160.32 | 1.15 | 422 | 421 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 774,539.61 | 3.99 |
| D03117-D03115 | 6 | 73 | 0.027 | 6.3 | 3,897.79 | 1.15 | 581 | 579 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 709,367.70 | 5.49 |
| G04055-H04027 | 8 | 244 | 0.016 | 9 | 16,723.99 | 1.15 | 484 | 480 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,181,742.60 | 6.09 |
| G08093-G08091 | 8 | 270 | 0.007 | 11.2 | 20,838.55 | 1.15 | 446 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 794,366.50 | 4.10 |
| J06085-J06075 | 10 | 300 | 0.005 | 10.9 | 29,733.90 | 1.15 | 428.07 | 426.53 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,198,986.36 | 3.71 |
| D14023-D14021 | 8 | 193 | 0.067 | 2.5 | 1,588.82 | 1.15 | 523 | 510 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,395,415.35 | 12.35 |
| G15071-G15057 | 8 | 253 | 0.012 | 9.8 | 7,663.10 | 1.16 | 425 | 422 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,005,051.17 | 5.18 |
| E08071-E08069 | 8 | 62 | 0.032 | 5 | 2,875.62 | 1.16 | 465 | 463 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,657,703.90 | 8.55 |
| G09125-G09119 | 8 | 352 | 0.006 | 17.6 | 32,040.25 | 1.16 | 413 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 695,715.17 | 3.59 |
| E14023-E14021 | 8 | 203 | 0.005 | 31.1 | 34,308.23 | 1.16 | 454 | 453 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 647,798.28 | 3.34 |
| F12101-F12099 | 8 | 312 | 0.006 | 13.6 | 27,865.47 | 1.16 | 407 | 405 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 738,967.79 | 3.81 |
| J11013-J11011 | 8 | 325 | 0.009 | 9.4 | 16,111.81 | 1.16 | 374 | 371 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 886,761.35 | 4.57 |
| G12013-G12011 | 8 | 99 | 0.007 | 9.6 | 13,509.49 | 1.16 | 383.7 | 383 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 776,102.76 | 4.00 |
| C04009-D05071 | 8 | 271 | 0.022 | 7.7 | 5,825.20 | 1.16 | 620 | 614 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,373,342.27 | 7.08 |
| F07151-F08137 | 8 | 317 | 0.013 | 8.1 | 10,285.15 | 1.16 | 463 | 459 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,036,783.73 | 5.35 |
| G02017-G02015 | 8 | 221 | 0.004 | 19.3 | 46,821.87 | 1.16 | 514.25 | 513.38 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 579,096.98 | 2.99 |
| G15057-G15035 | 8 | 147 | 0.005 | 13.7 | 24,281.61 | 1.16 | 422 | 421.31 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 632,344.41 | 3.26 |
| E12127-E12001 | 8 | 225 | 0.013 | 37.1 | 12,210.12 | 1.16 | 405 | 402 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,065,754.50 | 5.50 |
| D07003-D07001 | 8 | 213 | 0.005 | 31 | 28,177.20 | 1.16 | 487 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 632,408.95 | 3.26 |
| D06101-D06099 | 8 | 381 | 0.01 | 9.4 | 11,396.07 | 1.16 | 538 | 534 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 945,704.19 | 4.88 |
| F12099-F12097 | 8 | 322 | 0.006 | 13.9 | 30,199.14 | 1.16 | 405 | 403 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 727,402.63 | 3.75 |
| D06089-D06087 | 8 | 321 | 0.009 | 9.1 | 13,117.53 | 1.16 | 541 | 538 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 892,269.23 | 4.60 |
| D19001-D18055 | 8 | 227 | 0.02 | 6.3 | 10,159.91 | 1.16 | 543.62 | 539.08 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,302,411.76 | 6.72 |
| J12041-J12039 | 21 | 321 | 0.001 | 30.2 | 735,820.19 | 1.16 | 359.77 | 359.46 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 3,760,921.70 | 2.42 |
| F07055-F07053 | 8 | 323 | 0.011 | 8.9 | 15,700.78 | 1.16 | 466 | 462.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 960,772.51 | 4.96 |
| D08083-D08113 | 8 | 219 | 0.014 | 6.4 | 7,782.00 | 1.16 | 458 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,080,255.23 | 5.57 |
| F11011-F11009 | 8 | 393 | 0.008 | 53.6 | 24,875.10 | 1.16 | 395 | 392 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 806,403.05 | 4.16 |
| F07149-F07147 | 8 | 338 | 0.012 | 10.2 | 13,499.35 | 1.16 | 468 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,004,059.51 | 5.18 |
| H09013-H09011 | 8 | 114 | 0.004 | 22 | 50,535.63 | 1.16 | 409 | 408.53 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 592,630.93 | 3.06 |
| G14005-G13059 | 8 | 286 | 0.01 | 11.7 | 8,570.89 | 1.16 | 407 | 404 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 945,290.77 | 4.88 |
| E18015-E18009 | 12 | 110 | 0.009 | 8.2 | 24,624.87 | 1.16 | 520.5 | 519.56 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,515,544.95 | 4.87 |
| J06087-J06085 | 10 | 150 | 0.005 | 10.9 | 30,128.83 | 1.16 | 428.84 | 428.07 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,198,986.36 | 3.71 |
| F08127-F08125 | 8 | 315 | 0.01 | 9.6 | 15,054.06 | 1.16 | 461 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 900,726.95 | 4.65 |
| J14107-J14105 | 8 | 269 | 0.004 | 17.3 | 36,696.52 | 1.17 | 351 | 350 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 562,745.03 | 2.90 |
| D07007-D07005 | 8 | 231 | 0.013 | 7.4 | 8,515.51 | 1.17 | 491 | 488 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,051,822.47 | 5.42 |
| F11033-F11031 | 8 | 285 | 0.007 | 12 | 21,616.28 | 1.17 | 403 | 401 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 773,179.58 | 3.99 |
| E06115-E06113 | 8 | 263 | 0.011 | 10.3 | 12,573.31 | 1.17 | 498 | 495 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 985,758.57 | 5.08 |
| C02005-C02003 | 8 | 323 | 0.003 | 24.9 | 69,722.49 | 1.17 | 628 | 627 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 513,554.51 | 2.65 |
| H10059-H10057 | 8 | 300 | 0.002 | 23.2 | 52,787.28 | 1.17 | 386.7 | 386 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 445,837.09 | 2.30 |
| E04081-E04079 | 8 | 318 | 0.006 | 12.9 | 23,531.18 | 1.17 | 561 | 559 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 731,963.20 | 3.78 |
| D03051-D03049 | 8 | 292 | 0.021 | 5.6 | 6,548.84 | 1.17 | 622 | 616 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,323,037.05 | 6.82 |
| F14021-F14019 | 8 | 294 | 0.006 | 10.7 | 17,617.45 | 1.17 | 426.91 | 425 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 743,927.86 | 3.84 |
| J12039-J12037 | 21 | 266 | 0.001 | 41.4 | 721,321.56 | 1.17 | 359.46 | 359.19 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 3,855,733.64 | 2.49 |
| D17077-D16091 | 8 | 197 | 0.005 | 15.9 | 36,157.92 | 1.17 | 499 | 498 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 657,589.23 | 3.39 |
| K14013-K13005 | 18 | 257 | 0.001 | 30.4 | 503,547.75 | 1.17 | 320.25 | 320 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 2,502,330.28 | 2.15 |
| G08121-G08119 | 12 | 169 | 0.005 | 11.4 | 42,406.54 | 1.17 | 437.38 | 436.5 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,963,642.77 | 3.80 |
| G04113-G04111 | 8 | 247 | 0.012 | 9.8 | 10,902.58 | 1.17 | 496 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,017,185.03 | 5.25 |
| F04071-F05061 | 8 | 266 | 0.007 | 16.3 | 20,289.93 | 1.17 | 516.88 | 515 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 775,936.02 | 4.00 |
| C02013-C02011 | 8 | 300 | 0.003 | 22.6 | 59,814.90 | 1.17 | 632 | 631 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 532,877.25 | 2.75 |
| J12019-J12015 | 21 | 364 | 0.002 | 21 | 481,766.61 | 1.17 | 360 | 359.38 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 4,994,719.62 | 3.22 |
| D02059-D02057 | 8 | 265 | 0.004 | 19.8 | 48,882.42 | 1.17 | 609 | 608 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 566,976.25 | 2.92 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| D12019-E12055 | 8 | 395 | 0.018 | 6.7 | 7,447.60 | 1.17 | 432 | 425 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,228,678.56 | 6.34 |
| D17071-D17069 | 12 | 51 | 0.005 | 13.9 | 79,890.71 | 1.17 | 512 | 511.75 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,905,238.79 | 3.68 |
| G09045-G09043 | 8 | 139 | 0.007 | 10.5 | 18,175.86 | 1.17 | 423 | 422 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 782,853.34 | 4.04 |
| G13061-G13059 | 8 | 299 | 0.003 | 16.7 | 32,411.47 | 1.17 | 405 | 404 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 533,767.61 | 2.75 |
| E02045-E02043 | 8 | 326 | 0.008 | 9.5 | 15,843.84 | 1.17 | 583.71 | 581.03 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 836,847.66 | 4.32 |
| D10035-D10033 | 8 | 323 | 0.025 | 5.3 | 3,530.89 | 1.17 | 467 | 459 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,452,551.50 | 7.49 |
| E13109-E13107 | 8 | 266 | 0.004 | 19.1 | 41,854.79 | 1.17 | 421 | 420 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 565,909.51 | 2.92 |
| H08029-H08017 | 8 | 246 | 0.008 | 14 | 19,132.67 | 1.17 | 430 | 428 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 832,214.45 | 4.29 |
| C03059-D03077 | 8 | 290 | 0.041 | 5 | 2,917.14 | 1.17 | 636 | 624 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,877,497.78 | 9.68 |
| H13005-H13003 | 8 | 255 | 0.004 | 17.6 | 37,907.22 | 1.17 | 369 | 368 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 577,986.53 | 2.98 |
| K11069-K12037 | 8 | 322 | 0.003 | 20.8 | 48,674.42 | 1.17 | 346 | 345 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 514,351.33 | 2.65 |
| D01031-D01029 | 8 | 276 | 0.014 | 7.2 | 9,461.96 | 1.17 | 626 | 622 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,111,125.88 | 5.73 |
| D03073-D03071 | 8 | 306 | 0.016 | 6.8 | 9,079.07 | 1.17 | 618 | 613 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,179,810.06 | 6.08 |
| D02099-D02097 | 8 | 301 | 0.007 | 12 | 23,015.75 | 1.17 | 615 | 613 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 752,349.36 | 3.88 |
| G02015-G02013 | 8 | 222 | 0.004 | 19.3 | 47,025.35 | 1.17 | 515.13 | 514.25 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 581,102.38 | 3.00 |
| F06065-F06063 | 8 | 137 | 0.002 | 32.7 | 100,000.76 | 1.17 | 482 | 481.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 431,904.92 | 2.23 |
| G09145-G09141 | 8 | 145 | 0.012 | 9.2 | 13,028.61 | 1.18 | 421.76 | 420 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,016,857.60 | 5.24 |
| D03049-D03047 | 8 | 301 | 0.017 | 6.5 | 8,723.01 | 1.18 | 616 | 611 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,189,568.79 | 6.14 |
| D16035-D16017 | 8 | 200 | 0.035 | 10.4 | 3,174.89 | 1.18 | 500 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,726,719.64 | 8.91 |
| G12039-G12037 | 8 | 219 | 0.009 | 9.4 | 13,268.23 | 1.18 | 390 | 388 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 882,024.70 | 4.55 |
| D10057-D10027 | 8 | 367 | 0.005 | 15.5 | 20,975.62 | 1.18 | 448 | 446 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 681,349.24 | 3.51 |
| E12065-E12063 | 8 | 250 | 0.004 | 18.4 | 43,185.23 | 1.18 | 413 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 583,737.78 | 3.01 |
| F19010-F19009 | 12 | 300 | 0.005 | 10.7 | 44,565.40 | 1.18 | 563.97 | 563.29 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,863,523.84 | 3.60 |
| F11047-F11045 | 8 | 258 | 0.004 | 16.5 | 31,571.37 | 1.18 | 395 | 394 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 574,616.32 | 2.96 |
| H13069-H13067 | 12 | 236 | 0.007 | 6.1 | 16,808.71 | 1.18 | 374.75 | 373 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,343,297.99 | 4.53 |
| F15057-F15055 | 8 | 246 | 0.008 | 11.3 | 22,266.82 | 1.18 | 456 | 454 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 832,214.45 | 4.29 |
| F08137-F08135 | 8 | 315 | 0.01 | 9.9 | 15,662.09 | 1.18 | 459 | 456 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 900,726.95 | 4.65 |
| G09075-G10035 | 8 | 262 | 0.004 | 16.3 | 32,671.97 | 1.18 | 401 | 400 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 570,213.06 | 2.94 |
| D01037-D01035 | 8 | 344 | 0.015 | 7.1 | 10,546.63 | 1.18 | 621 | 616 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,112,739.71 | 5.74 |
| G14085-G14067 | 8 | 325 | 0.005 | 17.6 | 44,961.57 | 1.18 | 417.18 | 415.48 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 667,529.69 | 3.44 |
| D10069-D10067 | 8 | 363 | 0.019 | 7.2 | 4,842.40 | 1.18 | 457 | 450 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,281,691.53 | 6.61 |
| G12067-G12065 | 15 | 301 | 0.003 | 12.6 | 96,553.78 | 1.18 | 382 | 381 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,843,858.29 | 3.67 |
| J12027-J12025 | 30 | 288 | 0.002 | 13.7 | 532,669.81 | 1.18 | 359 | 358.49 | Vitrified Clay Pipe-Circular-30 inch | 4.9 | 13,183,377.82 | 4.16 |
| D11051-D11025 | 8 | 304 | 0.006 | 15.2 | 18,558.57 | 1.18 | 471 | 469.2 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 710,210.79 | 3.66 |
| D06081-D06079 | 8 | 357 | 0.017 | 7 | 7,301.42 | 1.18 | 551 | 545 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,196,545.79 | 6.17 |
| K15009-K15007 | 8 | 205 | 0.005 | 37.7 | 30,677.04 | 1.18 | 327 | 326 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 644,630.54 | 3.32 |
| E01017-E01015 | 8 | 267 | 0.005 | 15.6 | 34,371.97 | 1.18 | 588.73 | 587.4 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 651,415.36 | 3.36 |
| C06081-C06079 | 8 | 135 | 0.104 | 1.6 | 880.91 | 1.18 | 587 | 573 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,972,247.30 | 15.33 |
| E10061-E10059 | 8 | 257 | 0.002 | 30.9 | 84,269.51 | 1.18 | 424.5 | 424 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 407,104.82 | 2.10 |
| E13023-E13021 | 12 | 254 | 0.001 | 67.1 | 604,116.63 | 1.18 | 424 | 423.8 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 763,594.23 | 1.48 |
| E06089-E06087 | 8 | 250 | 0.008 | 11.7 | 17,035.44 | 1.18 | 503 | 501 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 825,529.89 | 4.26 |
| H13003-H12045 | 8 | 258 | 0.004 | 17.9 | 40,392.79 | 1.18 | 368 | 367 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 574,616.32 | 2.96 |
| F04187-F04165 | 8 | 8 | 0.125 | 9.5 | 797.19 | 1.19 | 527 | 526 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,263,193.40 | 16.83 |
| E07077-E07075 | 8 | 281 | 0.014 | 7.9 | 8,552.30 | 1.19 | 476 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,101,196.04 | 5.68 |
| D06091-D06089 | 8 | 349 | 0.02 | 6.6 | 5,751.25 | 1.19 | 548 | 541 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,307,146.05 | 6.74 |
| D10117-D10115 | 8 | 99 | 0.005 | 15 | 22,628.31 | 1.19 | 436.72 | 436.22 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,926.55 | 3.38 |
| E12177-E12175 | 8 | 251 | 0.012 | 8.2 | 12,446.55 | 1.19 | 419 | 416 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,009,047.41 | 5.20 |
| J14055-J14053 | 8 | 299 | 0.003 | 19.9 | 46,291.25 | 1.19 | 333 | 332 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 533,767.61 | 2.75 |
| C08003-C08001 | 8 | 299 | 0.007 | 14.1 | 32,569.95 | 1.19 | 504 | 502 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 754,861.39 | 3.89 |
| K14083-L14037 | 8 | 228 | 0.004 | 16.1 | 34,344.95 | 1.19 | 317 | 316 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 611,252.13 | 3.15 |
| C03021-C03019 | 8 | 195 | 0.026 | 6.3 | 5,099.63 | 1.19 | 661 | 656 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,477,935.58 | 7.62 |
| D16091-D16089 | 8 | 184 | 0.005 | 16.1 | 36,844.01 | 1.19 | 498 | 497 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 680,422.86 | 3.51 |
| F09039-F09037 | 8 | 226 | 0.005 | 14.5 | 29,385.21 | 1.19 | 435 | 433.87 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 652,638.68 | 3.37 |
| G09101-G09099 | 8 | 35 | 0.029 | 4.8 | 3,172.27 | 1.19 | 405 | 404 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,560,104.84 | 8.05 |
| D04041-D04039 | 8 | 302 | 0.026 | 5.6 | 4,739.67 | 1.19 | 621 | 613 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,502,205.44 | 7.75 |
| G14051-G14049 | 8 | 247 | 0.008 | 9.2 | 12,804.60 | 1.19 | 409 | 407 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 830,528.10 | 4.28 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| E12053-E12051 | 8 | 374 | 0.011 | 10.8 | 15,330.65 | 1.19 | 421 | 417 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 954,513.34 | 4.92 |
| D17057-D17021 | 12 | 187 | 0.005 | 13.8 | 81,035.67 | 1.19 | 511 | 510 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,989,957.01 | 3.85 |
| E06111-E06109 | 8 | 152 | 0.007 | 13.6 | 27,203.45 | 1.19 | 494 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 748,627.91 | 3.86 |
| F08119-F08117 | 8 | 306 | 0.007 | 21.2 | 25,690.86 | 1.19 | 456 | 454 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 746,177.40 | 3.85 |
| E12157-E12155 | 8 | 168 | 0.006 | 13.1 | 26,296.63 | 1.19 | 428 | 427 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 712,087.18 | 3.67 |
| D02007-D02005 | 8 | 270 | 0.011 | 8.5 | 12,896.81 | 1.2 | 599 | 596 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 972,896.30 | 5.02 |
| D12011-D12009 | 8 | 268 | 0.004 | 66.3 | 56,294.35 | 1.2 | 421 | 420 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 563,793.95 | 2.91 |
| H12065-H12063 | 8 | 230 | 0.004 | 16.2 | 33,119.26 | 1.2 | 372 | 371 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 608,588.71 | 3.14 |
| E16061-E16059 | 8 | 259 | 0.008 | 11.7 | 23,413.73 | 1.2 | 487 | 485 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 811,059.89 | 4.18 |
| E06047-E06045 | 8 | 242 | 0.008 | 11.6 | 17,027.69 | 1.2 | 506 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 839,064.07 | 4.33 |
| J06089-J06087 | 10 | 290 | 0.005 | 11.1 | 30,917.54 | 1.2 | 430.33 | 428.84 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,199,523.18 | 3.71 |
| J11077-J12073 | 8 | 322 | 0.003 | 27.3 | 83,624.39 | 1.2 | 365 | 364 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 514,351.33 | 2.65 |
| G14039-G14025 | 8 | 291 | 0.007 | 11.1 | 19,580.14 | 1.2 | 423 | 421 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 765,167.14 | 3.95 |
| C07079-C07077 | 8 | 231 | 0.009 | 11.7 | 21,494.26 | 1.2 | 516 | 514 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 858,809.45 | 4.43 |
| D10101-D09015 | 8 | 231 | 0.004 | 71.7 | 28,897.02 | 1.2 | 442 | 441 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 607,269.99 | 3.13 |
| G12069-G12067 | 15 | 298 | 0.003 | 12.6 | 96,596.02 | 1.2 | 383 | 382 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,858,137.17 | 3.69 |
| F14019-G14039 | 8 | 291 | 0.007 | 10.9 | 18,882.11 | 1.2 | 425 | 423 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 765,167.14 | 3.95 |
| D11053-D10001 | 8 | 325 | 0.009 | 14.7 | 12,350.67 | 1.2 | 429 | 426 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 886,761.35 | 4.57 |
| D03041-D03039 | 8 | 301 | 0.02 | 5.8 | 7,278.13 | 1.2 | 617 | 611 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,303,107.32 | 6.72 |
| D15053-D15045 | 8 | 243 | 0.008 | 12.2 | 21,648.39 | 1.2 | 476 | 474 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 837,335.82 | 4.32 |
| K15049-K15047 | 8 | 258 | 0.008 | 10.1 | 17,255.99 | 1.2 | 329 | 327 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 812,630.19 | 4.19 |
| D15049-D15047 | 8 | 237 | 0.03 | 4.8 | 4,366.44 | 1.2 | 486 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,586,217.20 | 8.18 |
| D02101-D02099 | 8 | 295 | 0.007 | 12 | 23,052.38 | 1.2 | 617 | 615 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 759,961.86 | 3.92 |
| H12061-H12059 | 8 | 256 | 0.004 | 19 | 39,871.82 | 1.2 | 370 | 369 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| F02082-F02077 | 8 | 202 | 0.012 | 8.3 | 11,073.55 | 1.2 | 539.1 | 536.65 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,013,964.69 | 5.23 |
| C03027-C04065 | 8 | 300 | 0.027 | 4.9 | 5,098.02 | 1.2 | 674 | 666 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,507,204.47 | 7.77 |
| E17025-E16079 | 8 | 252 | 0.03 | 9.1 | 4,744.59 | 1.2 | 507 | 499.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,592,275.34 | 8.21 |
| F08029-F08021 | 8 | 57 | 0.004 | 18.7 | 40,735.73 | 1.2 | 438.2 | 438 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 546,720.52 | 2.82 |
| D02091-D02089 | 8 | 163 | 0.006 | 14.4 | 31,152.61 | 1.21 | 608 | 607 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 722,926.27 | 3.73 |
| E09099-E09097 | 8 | 140 | 0.021 | 5.1 | 4,685.80 | 1.21 | 428 | 425 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,351,090.43 | 6.97 |
| E13003-E13001 | 8 | 305 | 0.007 | 13.7 | 24,264.51 | 1.21 | 420 | 418 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 747,399.64 | 3.85 |
| E12143-E12141 | 8 | 400 | 0.005 | 17.5 | 43,696.30 | 1.21 | 407 | 405 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 652,638.68 | 3.37 |
| F07059-F07057 | 8 | 33 | 0.015 | 8.5 | 12,199.21 | 1.21 | 468 | 467.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,136,098.12 | 5.86 |
| E04099-E04097 | 8 | 273 | 0.011 | 15.4 | 14,920.58 | 1.21 | 551 | 548 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 967,535.95 | 4.99 |
| E12139-F12147 | 8 | 398 | 0.005 | 20.3 | 47,890.34 | 1.21 | 402 | 400 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 654,276.42 | 3.37 |
| H11121-H11119 | 8 | 202 | 0.01 | 15.9 | 12,337.61 | 1.21 | 375 | 373 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 918,389.95 | 4.74 |
| K14021-K14019 | 18 | 256 | 0.001 | 28.5 | 468,413.90 | 1.21 | 321.78 | 321.5 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 2,653,384.71 | 2.28 |
| E03045-E04081 | 8 | 288 | 0.007 | 12 | 22,334.93 | 1.21 | 563 | 561 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 769,142.06 | 3.97 |
| K11017-K11015 | 18 | 265 | 0.002 | 23.8 | 407,698.73 | 1.21 | 365 | 364.5 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 3,485,003.78 | 3.00 |
| D15039-D15037 | 8 | 52 | 0.032 | 6.7 | 3,969.42 | 1.21 | 461 | 459.32 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,658,978.57 | 8.56 |
| D03063-D03061 | 8 | 332 | 0.018 | 26.3 | 11,061.90 | 1.21 | 594 | 588 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,240,778.87 | 6.40 |
| F10033-F10031 | 8 | 205 | 0.005 | 56.9 | 29,501.74 | 1.21 | 417 | 416 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 644,630.54 | 3.32 |
| H10037-H10009 | 12 | 118 | 0.004 | 14.4 | 59,246.68 | 1.21 | 387.05 | 386.6 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,680,466.08 | 3.25 |
| E10063-E10061 | 8 | 251 | 0.002 | 30.8 | 84,375.96 | 1.21 | 425 | 424.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 411,941.88 | 2.12 |
| C04001-D04013 | 8 | 253 | 0.016 | 6.6 | 9,763.75 | 1.21 | 630 | 626 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,160,533.13 | 5.99 |
| D11091-D11089 | 8 | 47 | 0.021 | 5 | 6,522.57 | 1.21 | 449 | 448 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,346,290.80 | 6.94 |
| F06157-F06155 | 10 | 311 | 0.01 | 8 | 18,777.86 | 1.21 | 497 | 494 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,643,595.49 | 5.09 |
| G08095-G08093 | 8 | 52 | 0.01 | 10.5 | 18,431.47 | 1.21 | 446.5 | 446 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 905,047.01 | 4.67 |
| H12063-H12061 | 8 | 236 | 0.004 | 17.2 | 36,129.10 | 1.21 | 371 | 370 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 600,802.60 | 3.10 |
| G03047-G03043 | 8 | 367 | 0.005 | 13.6 | 27,011.35 | 1.21 | 513 | 511 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 681,349.24 | 3.51 |
| C04073-C04071 | 8 | 311 | 0.051 | 3.6 | 2,189.60 | 1.21 | 638 | 622 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,093,474.16 | 10.80 |
| D14069-D14067 | 8 | 368 | 0.022 | 5.8 | 6,609.09 | 1.21 | 466 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,360,845.72 | 7.02 |
| F12145-F12143 | 8 | 398 | 0.005 | 19.5 | 53,649.19 | 1.21 | 399 | 397 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 654,276.42 | 3.37 |
| H06001-H07009 | 12 | 328 | 0.003 | 25.2 | 198,527.71 | 1.21 | 436.16 | 435.26 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,425,439.64 | 2.76 |
| D11081-D11077 | 8 | 201 | 0.015 | 6.7 | 10,027.90 | 1.21 | 447 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,127,587.90 | 5.82 |
| K14027-K14025 | 15 | 260 | 0.001 | 37.7 | 463,547.58 | 1.22 | 322.5 | 322.25 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 1,529,940.46 | 1.97 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| C10003-C10001 | 8 | 162 | 0.012 | 8.7 | 8,827.22 | 1.22 | 487 | 485 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,025,522.75 | 5.29 |
| C06045-C06043 | 8 | 357 | 0.022 | 5 | 5,693.87 | 1.22 | 563 | 555 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,381,652.07 | 7.13 |
| K08001-K08023 | 12 | 35 | 0.008 | 11.8 | 52,316.20 | 1.22 | 392.44 | 392.15 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,477,019.78 | 4.79 |
| D03065-D03063 | 8 | 330 | 0.018 | 6.7 | 10,748.01 | 1.22 | 600 | 594 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,244,533.13 | 6.42 |
| E06075-E06063 | 8 | 248 | 0.012 | 11 | 11,386.03 | 1.22 | 512 | 509 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,015,132.18 | 5.24 |
| G09047-G09045 | 8 | 492 | 0.008 | 10.2 | 16,604.68 | 1.22 | 427 | 423 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 832,214.45 | 4.29 |
| F14003-F14001 | 12 | 377 | 0.005 | 10.4 | 43,298.97 | 1.22 | 414.04 | 412 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,001,745.71 | 3.87 |
| D02089-D02087 | 8 | 163 | 0.006 | 14.6 | 33,162.41 | 1.22 | 607 | 606 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 722,926.27 | 3.73 |
| E08075-F08129 | 12 | 162 | 0.006 | 12.4 | 37,005.17 | 1.22 | 457 | 456 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,137,996.50 | 4.13 |
| F19037-F19035 | 8 | 240 | 0.056 | 2.5 | 1,987.82 | 1.22 | 586.25 | 572.64 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,193,352.07 | 11.31 |
| D10063-D10057 | 8 | 154 | 0.019 | 8.4 | 5,296.33 | 1.22 | 451 | 448 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,288,214.18 | 6.64 |
| G14049-G14047 | 8 | 277 | 0.007 | 10.2 | 15,505.08 | 1.22 | 407 | 405 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 784,265.16 | 4.04 |
| E01025-E01017 | 8 | 145 | 0.005 | 15.5 | 34,473.80 | 1.22 | 589.5 | 588.73 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 672,588.08 | 3.47 |
| E10069-E10067 | 8 | 212 | 0.002 | 30.9 | 83,319.19 | 1.22 | 427.4 | 427 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 400,912.75 | 2.07 |
| E11047-E11045 | 8 | 151 | 0.013 | 8 | 12,871.82 | 1.22 | 422 | 420 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,062,219.65 | 5.48 |
| E03057-E03055 | 8 | 62 | 0.016 | 10.1 | 10,311.17 | 1.22 | 572 | 571 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,172,173.67 | 6.05 |
| E06079-E06061 | 8 | 247 | 0.012 | 14.2 | 11,401.54 | 1.22 | 510 | 507 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,017,185.03 | 5.25 |
| G09035-G09033 | 8 | 246 | 0.016 | 14.5 | 6,445.09 | 1.22 | 427 | 423 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,176,928.96 | 6.07 |
| E03125-E03123 | 8 | 126 | 0.008 | 11.6 | 23,288.77 | 1.22 | 575 | 574 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 822,247.45 | 4.24 |
| E03049-E04091 | 8 | 260 | 0.004 | 21 | 55,372.40 | 1.22 | 566 | 565 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 572,401.99 | 2.95 |
| G13051-G13049 | 8 | 296 | 0.01 | 9.8 | 13,515.56 | 1.22 | 403 | 400 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 929,185.83 | 4.79 |
| E01031-E01029 | 8 | 220 | 0.005 | 16.5 | 35,019.35 | 1.22 | 592.14 | 591.1 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 634,589.87 | 3.27 |
| K14015-K14013 | 18 | 231 | 0.001 | 30 | 502,045.68 | 1.22 | 320.5 | 320.25 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 2,639,399.94 | 2.27 |
| H12003-H12001 | 21 | 450 | 0.001 | 31 | 800,997.38 | 1.22 | 361.15 | 360.7 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 3,827,066.08 | 2.47 |
| K14055-K14053 | 8 | 238 | 0.007 | 39.9 | 22,330.10 | 1.22 | 327 | 325.25 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 791,440.65 | 4.08 |
| D05099-E05009 | 8 | 317 | 0.022 | 6.1 | 5,751.25 | 1.22 | 540 | 533 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,371,535.95 | 7.07 |
| F08141-F08139 | 8 | 316 | 0.009 | 10.5 | 18,033.93 | 1.22 | 458 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 899,300.62 | 4.64 |
| E13107-E13067 | 8 | 259 | 0.004 | 28.7 | 49,372.81 | 1.22 | 420 | 419 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 573,505.95 | 2.96 |
| F09035-F09033 | 8 | 173 | 0.006 | 14.7 | 29,326.64 | 1.22 | 433 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 701,721.46 | 3.62 |
| K14093-K14089 | 8 | 371 | 0.009 | 11.3 | 15,842.24 | 1.23 | 321.45 | 318 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 890,041.79 | 4.59 |
| E10073-E10071 | 8 | 179 | 0.002 | 26.9 | 66,123.44 | 1.23 | 428 | 427.6 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 436,306.10 | 2.25 |
| D06123-D06121 | 8 | 217 | 0.018 | 5.8 | 7,013.88 | 1.23 | 529 | 525 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,253,106.37 | 6.46 |
| D04059-D04057 | 8 | 305 | 0.023 | 4.9 | 5,609.54 | 1.23 | 594 | 587 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,398,256.70 | 7.21 |
| D05105-D05103 | 8 | 270 | 0.007 | 12.1 | 20,182.74 | 1.23 | 542 | 540 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 794,366.50 | 4.10 |
| F04075-F04073 | 8 | 249 | 0.014 | 9.1 | 10,200.90 | 1.23 | 521.4 | 517.91 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,092,699.76 | 5.64 |
| F18011-F18009 | 12 | 391 | 0.003 | 20.5 | 127,098.51 | 1.23 | 532 | 531 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,376,182.78 | 2.66 |
| E07085-E07083 | 8 | 329 | 0.003 | 23.1 | 59,674.94 | 1.23 | 470 | 469 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 508,850.09 | 2.62 |
| F19018-F19015 | 8 | 250 | 0.027 | 10 | 5,640.94 | 1.23 | 559.24 | 552.57 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,504,575.08 | 7.76 |
| E16063-E16061 | 8 | 349 | 0.009 | 11.3 | 21,482.63 | 1.23 | 490 | 487 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 855,727.96 | 4.41 |
| D01025-D01023 | 8 | 272 | 0.011 | 9 | 16,322.00 | 1.23 | 616 | 613 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 969,312.88 | 5.00 |
| G04043-H04017 | 8 | 302 | 0.01 | 13.4 | 31,585.10 | 1.23 | 481 | 478 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 919,909.20 | 4.74 |
| G11035-G11033 | 8 | 141 | 0.007 | 10.9 | 16,459.02 | 1.23 | 388 | 387 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 777,281.36 | 4.01 |
| C02003-C02001 | 8 | 264 | 0.004 | 24.5 | 69,394.00 | 1.23 | 627 | 626 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 568,049.06 | 2.93 |
| C04003-C04001 | 8 | 248 | 0.02 | 6 | 7,841.60 | 1.23 | 635 | 630 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,310,530.01 | 6.76 |
| E16037-E16035 | 8 | 210 | 0.005 | 18.5 | 47,452.15 | 1.23 | 496 | 495 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 636,910.14 | 3.28 |
| C02037-C02025 | 8 | 172 | 0.012 | 8.7 | 13,102.71 | 1.23 | 646 | 644 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 995,264.66 | 5.13 |
| D13019-D13003 | 8 | 210 | 0.005 | 18 | 42,965.09 | 1.23 | 424 | 423 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 636,910.14 | 3.28 |
| E13075-E13073 | 8 | 336 | 0.003 | 28.1 | 86,925.91 | 1.23 | 426 | 425 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 503,521.67 | 2.60 |
| F02070-F03151 | 8 | 168 | 0.006 | 22.7 | 25,216.25 | 1.23 | 535.09 | 534 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 734,745.33 | 3.79 |
| E06019-E06017 | 8 | 324 | 0.015 | 14 | 8,626.87 | 1.23 | 527 | 522 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,146,569.29 | 5.91 |
| E11045-E11041 | 8 | 243 | 0.012 | 10.4 | 14,571.58 | 1.23 | 420 | 417 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,025,522.75 | 5.29 |
| F13113-F13111 | 8 | 69 | 0.014 | 8 | 10,814.26 | 1.23 | 417 | 416 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,111,125.88 | 5.73 |
| G04045-G04043 | 8 | 300 | 0.01 | 12.6 | 30,477.58 | 1.23 | 484 | 481 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 922,970.47 | 4.76 |
| E06121-E06117 | 8 | 256 | 0.02 | 6.9 | 7,833.47 | 1.23 | 504 | 499 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,289,890.45 | 6.65 |
| K13003-K13001 | 24 | 386 | 0.001 | 19.6 | 524,648.60 | 1.23 | 319.5 | 319 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 6,218,741.48 | 3.10 |
| H11063-H11061 | 8 | 290 | 0.01 | 8.2 | 12,824.76 | 1.23 | 383 | 380 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 938,748.89 | 4.84 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| K11075-K11073 | 8 | 313 | 0.006 | 15.4 | 24,367.21 | 1.23 | 350 | 348 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 737,786.38 | 3.81 |
| C03047-C03045 | 8 | 295 | 0.01 | 9.1 | 16,023.20 | 1.23 | 647 | 644 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 930,759.39 | 4.80 |
| F16049-F16047 | 8 | 270 | 0.004 | 22.2 | 60,902.65 | 1.23 | 496 | 495 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 561,701.94 | 2.90 |
| H11119-H11117 | 8 | 338 | 0.003 | 23.8 | 62,334.62 | 1.23 | 373 | 372 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 502,029.75 | 2.59 |
| E15031-E15029 | 10 | 325 | 0.003 | 27.3 | 121,362.66 | 1.24 | 450 | 449 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 928,266.82 | 2.87 |
| F06073-F06071 | 8 | 115 | 0.006 | 14.3 | 32,319.35 | 1.24 | 488.48 | 487.75 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 735,360.53 | 3.79 |
| H12041-H12039 | 8 | 188 | 0.004 | 20.5 | 51,169.21 | 1.24 | 365.68 | 365 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 555,089.92 | 2.86 |
| L14051-L14049 | 10 | 250 | 0.002 | 100 | 909,363.72 | 1.24 | 312 | 311.5 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 748,392.64 | 2.32 |
| D03113-E03065 | 8 | 143 | 0.014 | 8.1 | 12,318.42 | 1.24 | 577 | 575 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,091,527.76 | 5.63 |
| F12005-G12083 | 15 | 271 | 0.004 | 12.5 | 89,030.29 | 1.24 | 387 | 386 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,997,136.72 | 3.86 |
| E05115-E05113 | 8 | 220 | 0.014 | 9.7 | 10,432.66 | 1.24 | 521 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,077,797.31 | 5.56 |
| D08063-D08061 | 8 | 246 | 0.008 | 13.8 | 33,507.20 | 1.24 | 495 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 832,214.45 | 4.29 |
| D07085-D07083 | 8 | 243 | 0.012 | 10.1 | 11,569.79 | 1.24 | 505 | 502 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,025,522.75 | 5.29 |
| F05075-F05073 | 8 | 21 | 0.048 | 51.8 | 2,293.45 | 1.24 | 505 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,014,086.69 | 10.39 |
| E16031-E16029 | 8 | 205 | 0.005 | 19.2 | 51,270.12 | 1.24 | 493 | 492 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 644,630.54 | 3.32 |
| F10035-F10033 | 8 | 198 | 0.005 | 14.5 | 29,534.88 | 1.24 | 418 | 417 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,926.55 | 3.38 |
| G07051-G07041 | 8 | 402 | 0.007 | 53.5 | 25,382.80 | 1.24 | 454 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 797,325.05 | 4.11 |
| D03031-D03029 | 8 | 319 | 0.022 | 7 | 7,277.25 | 1.24 | 611 | 604 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,367,229.71 | 7.05 |
| G13053-G13051 | 8 | 298 | 0.01 | 8.4 | 13,563.67 | 1.24 | 406 | 403 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 926,062.51 | 4.78 |
| F12085-F12083 | 8 | 251 | 0.012 | 43.4 | 18,048.67 | 1.24 | 400 | 397 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,009,047.41 | 5.20 |
| J11003-J11001 | 8 | 302 | 0.013 | 10.6 | 13,508.06 | 1.24 | 371 | 367 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,062,219.65 | 5.48 |
| H12023-H12021 | 12 | 186 | 0.003 | 52.6 | 613,483.84 | 1.24 | 369.59 | 369 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,532,618.39 | 2.96 |
| J11011-J11001 | 8 | 350 | 0.011 | 11.2 | 16,893.54 | 1.24 | 371 | 367 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 986,696.94 | 5.09 |
| F12143-F12067 | 8 | 379 | 0.005 | 56.4 | 56,742.23 | 1.24 | 397 | 395 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 670,475.94 | 3.46 |
| E06101-E06099 | 8 | 222 | 0.014 | 7.8 | 11,208.91 | 1.24 | 496 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,072,931.38 | 5.53 |
| H11129-H11119 | 8 | 266 | 0.004 | 21.7 | 47,936.94 | 1.24 | 374 | 373 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 565,909.51 | 2.92 |
| E14131-E13103 | 10 | 360 | 0.008 | 10.2 | 26,934.26 | 1.24 | 433 | 430 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,527,650.07 | 4.73 |
| G05003-G05001 | 10 | 280 | 0.011 | 11.6 | 44,048.46 | 1.24 | 468 | 465 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,732,192.37 | 5.36 |
| J07075-J08121 | 10 | 183 | 0.007 | 11.9 | 42,283.38 | 1.25 | 408.69 | 407.4 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,405,024.25 | 4.35 |
| K14053-K15001 | 15 | 266 | 0.001 | 36.4 | 427,381.04 | 1.25 | 325.25 | 325 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 1,512,587.08 | 1.95 |
| D16057-D16055 | 8 | 368 | 0.027 | 6.1 | 5,458.24 | 1.25 | 498 | 488 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,521,471.77 | 7.85 |
| E13071-E13069 | 10 | 589 | 0.003 | 22.4 | 90,365.37 | 1.25 | 424 | 422 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 975,150.97 | 3.02 |
| K12051-K12049 | 8 | 347 | 0.006 | 14.1 | 29,961.61 | 1.25 | 346 | 344 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 700,709.60 | 3.61 |
| D13021-D13019 | 8 | 198 | 0.005 | 17.3 | 41,042.95 | 1.25 | 425 | 424 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,926.55 | 3.38 |
| F08035-F08033 | 8 | 270 | 0.004 | 18.3 | 37,942.57 | 1.25 | 441 | 440 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 561,701.94 | 2.90 |
| F12121-F12105 | 8 | 231 | 0.013 | 45.3 | 16,515.54 | 1.25 | 402 | 399 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,051,822.47 | 5.42 |
| D02039-D02033 | 8 | 329 | 0.012 | 10.9 | 14,488.70 | 1.25 | 624 | 620 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,017,700.19 | 5.25 |
| K14037-K14035 | 8 | 261 | 0.008 | 34.2 | 21,676.82 | 1.25 | 326 | 324 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 807,946.40 | 4.17 |
| E04025-E04023 | 8 | 336 | 0.006 | 18.3 | 42,357.12 | 1.25 | 538 | 536 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 712,087.18 | 3.67 |
| F05127-F05125 | 8 | 293 | 0.01 | 11.8 | 17,794.12 | 1.25 | 496 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 933,930.64 | 4.82 |
| F08125-F08123 | 8 | 318 | 0.009 | 19 | 19,784.55 | 1.25 | 458 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 896,468.17 | 4.62 |
| B01031-B01010 | 8 | 88 | 0.057 | 3.4 | 2,540.90 | 1.25 | 675.45 | 670.41 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,196,382.99 | 11.33 |
| E03099-E03093 | 8 | 229 | 0.004 | 20.6 | 53,106.64 | 1.25 | 565 | 564 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 609,916.06 | 3.15 |
| H14013-H14011 | 8 | 239 | 0.004 | 17.2 | 38,658.37 | 1.25 | 371 | 370 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 597,019.97 | 3.08 |
| D14073-D14065 | 8 | 242 | 0.033 | 5.9 | 4,366.67 | 1.25 | 463 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,678,128.13 | 8.65 |
| E15035-E15033 | 10 | 326 | 0.003 | 24.1 | 118,078.19 | 1.25 | 453 | 452 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 926,842.01 | 2.87 |
| H12027-H12023 | 12 | 159 | 0.003 | 43.8 | 620,993.57 | 1.25 | 370.12 | 369.59 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,571,100.15 | 3.04 |
| E15101-E15099 | 8 | 269 | 0.011 | 9.3 | 17,588.50 | 1.25 | 466 | 463 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 974,702.98 | 5.03 |
| F15133-F15131 | 8 | 241 | 0.017 | 8.3 | 10,294.46 | 1.26 | 455 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,189,075.09 | 6.13 |
| H04007-H04005 | 8 | 243 | 0.008 | 18.8 | 52,891.27 | 1.26 | 472 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 837,335.82 | 4.32 |
| F02196-F02192 | 8 | 161 | 0.003 | 20.2 | 48,730.68 | 1.26 | 550.46 | 549.88 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 545,566.58 | 2.81 |
| J14041-J14039 | 8 | 245 | 0.008 | 11.3 | 18,989.36 | 1.26 | 343 | 341 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 833,911.12 | 4.30 |
| D03039-D03037 | 8 | 213 | 0.019 | 8 | 9,451.47 | 1.26 | 611 | 607 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,264,817.89 | 6.52 |
| H07017-H07015 | 8 | 263 | 0.007 | 14.8 | 24,283.75 | 1.26 | 439 | 437.19 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 765,683.38 | 3.95 |
| F02175-F02173 | 8 | 142 | 0.017 | 6.7 | 8,374.44 | 1.26 | 551.77 | 548.69 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,203,992.77 | 6.21 |
| H08021-H08019 | 8 | 42 | 0.024 | 4.9 | 6,464.60 | 1.26 | 430 | 429 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,424,174.36 | 7.35 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| F15063-F15061 | 8 | 257 | 0.008 | 12.2 | 26,062.96 | 1.26 | 458 | 456 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 814,209.65 | 4.20 |
| E05017-E05015 | 8 | 268 | 0.007 | 13 | 22,238.84 | 1.26 | 515 | 513 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 797,325.05 | 4.11 |
| F11019-F11017 | 8 | 402 | 0.007 | 55.3 | 40,503.17 | 1.26 | 396 | 393 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 797,325.05 | 4.11 |
| F12133-F12081 | 8 | 243 | 0.012 | 50.7 | 17,972.59 | 1.26 | 399 | 396 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,025,522.75 | 5.29 |
| E15105-E15103 | 8 | 229 | 0.013 | 8 | 14,059.41 | 1.26 | 473 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,056,405.60 | 5.45 |
| K15015-K15013 | 8 | 173 | 0.006 | 13.9 | 29,191.32 | 1.26 | 329 | 328 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 701,721.46 | 3.62 |
| L13153-L13151 | 8 | 170 | 0.006 | 100 | 28,617.18 | 1.26 | 325 | 324 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 707,886.04 | 3.65 |
| F07037-F07021 | 8 | 336 | 0.009 | 13.1 | 27,149.14 | 1.26 | 459 | 456 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 872,125.12 | 4.50 |
| D10135-D10133 | 8 | 289 | 0.003 | 19.1 | 43,267.71 | 1.26 | 431 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 542,923.81 | 2.80 |
| E16029-E16027 | 8 | 201 | 0.005 | 19.5 | 53,806.97 | 1.26 | 492 | 491 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 651,013.18 | 3.36 |
| D05113-E05053 | 8 | 246 | 0.02 | 13.6 | 7,621.95 | 1.26 | 555 | 550 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,315,846.58 | 6.79 |
| E12019-E12015 | 8 | 127 | 0.008 | 13.4 | 26,070.00 | 1.26 | 416 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 819,003.86 | 4.22 |
| G14059-G14057 | 8 | 248 | 0.004 | 22.2 | 63,503.45 | 1.26 | 403 | 402 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 586,086.84 | 3.02 |
| K15003-K14053 | 15 | 253 | 0.001 | 35.6 | 406,061.64 | 1.26 | 325.5 | 325.25 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 1,550,961.24 | 2.00 |
| G13057-G13055 | 8 | 320 | 0.003 | 21.3 | 51,365.35 | 1.26 | 402 | 401 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 515,956.18 | 2.66 |
| K14031-K14029 | 15 | 245 | 0.001 | 37 | 459,179.17 | 1.26 | 323.25 | 323 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 1,576,079.65 | 2.03 |
| F08001-F09043 | 8 | 241 | 0.008 | 11.1 | 17,710.38 | 1.26 | 444 | 442 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 840,803.06 | 4.34 |
| E15025-E15007 | 8 | 285 | 0.011 | 21.1 | 18,464.00 | 1.26 | 461 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 946,947.72 | 4.88 |
| E15011-E15009 | 8 | 236 | 0.017 | 18.9 | 9,672.82 | 1.26 | 465 | 461 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,201,605.21 | 6.20 |
| F04177-F04173 | 8 | 263 | 0.008 | 12.4 | 23,054.35 | 1.26 | 535 | 533 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 804,868.50 | 4.15 |
| G14057-G14045 | 8 | 241 | 0.004 | 22.1 | 63,965.52 | 1.26 | 402 | 401 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 594,537.55 | 3.07 |
| E16035-E16033 | 8 | 192 | 0.005 | 18.3 | 48,584.29 | 1.27 | 495 | 494 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 666,096.56 | 3.44 |
| E04033-E04031 | 8 | 6 | 0.167 | 9.7 | 655.37 | 1.27 | 543 | 542 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,768,011.17 | 19.43 |
| E02031-E02005 | 8 | 245 | 0.012 | 21.6 | 13,064.06 | 1.27 | 567.48 | 564.55 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,008,997.99 | 5.20 |
| C05021-C05019 | 8 | 240 | 0.03 | 4.1 | 4,744.14 | 1.27 | 617.79 | 610.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,608,592.17 | 8.30 |
| D15051-D15049 | 8 | 305 | 0.056 | 3.2 | 2,385.38 | 1.27 | 503 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,179,025.68 | 11.24 |
| D01035-D02069 | 8 | 128 | 0.016 | 7.9 | 12,342.49 | 1.27 | 616 | 614 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,153,713.09 | 5.95 |
| D14063-D14047 | 8 | 254 | 0.008 | 12.1 | 25,542.01 | 1.27 | 451 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 819,003.86 | 4.22 |
| E13103-E13101 | 10 | 446 | 0.007 | 11.5 | 36,237.55 | 1.27 | 430 | 427 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,372,485.32 | 4.25 |
| G04111-G05101 | 8 | 264 | 0.008 | 14.8 | 25,866.07 | 1.27 | 493 | 491 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 803,342.68 | 4.14 |
| F16045-F16043 | 8 | 245 | 0.004 | 22.7 | 64,178.89 | 1.27 | 494 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 589,664.20 | 3.04 |
| F13007-G13053 | 8 | 296 | 0.01 | 8.4 | 13,593.21 | 1.27 | 409 | 406 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 929,185.83 | 4.79 |
| F02047-F02045 | 8 | 307 | 0.009 | 10.5 | 19,716.02 | 1.27 | 529.97 | 527.32 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 857,514.67 | 4.42 |
| G10061-G10059 | 8 | 134 | 0.006 | 13.3 | 23,648.11 | 1.27 | 395.86 | 395 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 739,408.83 | 3.81 |
| E04029-E04027 | 8 | 318 | 0.006 | 17.4 | 38,936.68 | 1.27 | 541 | 539 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 731,963.20 | 3.78 |
| F15065-F15063 | 8 | 223 | 0.009 | 11.7 | 23,316.77 | 1.27 | 460 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 874,078.37 | 4.51 |
| E12021-E12019 | 8 | 120 | 0.008 | 12.1 | 25,693.61 | 1.27 | 417 | 416 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 842,552.91 | 4.35 |
| F11023-F11021 | 8 | 394 | 0.008 | 15.6 | 37,448.62 | 1.27 | 401 | 398 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 805,379.04 | 4.15 |
| J14109-J14107 | 8 | 184 | 0.005 | 16 | 31,423.59 | 1.27 | 352 | 351 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 680,422.86 | 3.51 |
| F09109-F09105 | 8 | 249 | 0.008 | 11.4 | 17,884.45 | 1.27 | 429 | 427 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 827,185.92 | 4.27 |
| J14075-J14073 | 8 | 158 | 0.006 | 13.8 | 26,606.57 | 1.27 | 337 | 336 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 734,275.88 | 3.79 |
| F19043-F19041 | 8 | 420 | 0.057 | 5.8 | 2,385.38 | 1.27 | 589.24 | 565.41 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,195,880.90 | 11.33 |
| K12061-K12059 | 8 | 351 | 0.009 | 10.4 | 19,507.24 | 1.27 | 367 | 364 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 853,286.50 | 4.40 |
| C10011-D10091 | 8 | 110 | 0.009 | 16.4 | 14,850.28 | 1.27 | 460 | 459 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 880,017.82 | 4.54 |
| D03037-D03029 | 8 | 277 | 0.011 | 9.9 | 19,563.36 | 1.27 | 607 | 604 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 960,524.73 | 4.95 |
| E03101-E03099 | 8 | 210 | 0.005 | 19.4 | 50,008.43 | 1.27 | 566 | 565 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 636,910.14 | 3.28 |
| K15043-K15041 | 12 | 401 | 0.005 | 11.3 | 42,488.90 | 1.27 | 323 | 321 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,921,796.11 | 3.72 |
| D07083-D07063 | 8 | 297 | 0.007 | 27.2 | 25,794.22 | 1.28 | 502 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 757,398.74 | 3.91 |
| D16033-D16019 | 15 | 123 | 0.004 | 12.9 | 116,532.68 | 1.28 | 496 | 495.46 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,269,155.09 | 4.22 |
| E04079-E04077 | 8 | 291 | 0.007 | 20 | 29,892.50 | 1.28 | 559 | 557 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 765,167.14 | 3.95 |
| D14065-D14063 | 8 | 292 | 0.014 | 10 | 14,100.48 | 1.28 | 455 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,080,255.23 | 5.57 |
| F06083-F06081 | 8 | 98 | 0.01 | 10.3 | 19,699.53 | 1.28 | 495.91 | 494.95 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 913,503.86 | 4.71 |
| D18055-D18053 | 12 | 203 | 0.031 | 4.6 | 10,151.21 | 1.28 | 539.08 | 532.73 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 4,812,861.25 | 9.31 |
| H11103-J11053 | 8 | 276 | 0.003 | 28.4 | 87,615.29 | 1.28 | 367.8 | 367 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 496,910.60 | 2.56 |
| G08017-G08015 | 8 | 259 | 0.008 | 13.4 | 22,214.13 | 1.28 | 441 | 439 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 811,059.89 | 4.18 |
| H06003-H06001 | 12 | 313 | 0.003 | 24.7 | 196,134.65 | 1.28 | 437.16 | 436.16 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,538,127.47 | 2.97 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| D10019-D10017 | 8 | 464 | 0.006 | 11.7 | 21,685.33 | 1.28 | 440 | 437 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 742,146.16 | 3.83 |
| F02187-F02185 | 8 | 296 | 0.004 | 19.2 | 47,915.03 | 1.28 | 547.3 | 546.06 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 596,376.37 | 3.08 |
| D03067-D03065 | 8 | 386 | 0.021 | 6.5 | 10,433.50 | 1.28 | 608 | 600 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,328,737.37 | 6.85 |
| D02005-D02003 | 8 | 264 | 0.011 | 26.2 | 16,506.75 | 1.28 | 596 | 593 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 983,889.83 | 5.07 |
| E05121-E05119 | 8 | 252 | 0.008 | 12.5 | 24,081.60 | 1.28 | 528 | 526 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 822,247.45 | 4.24 |
| E03093-E03091 | 8 | 234 | 0.004 | 21.8 | 60,072.34 | 1.28 | 564 | 563 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 603,364.67 | 3.11 |
| F07021-F07019 | 8 | 266 | 0.008 | 14.1 | 34,066.48 | 1.28 | 456 | 454 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 800,316.90 | 4.13 |
| D15029-D15027 | 8 | 245 | 0.016 | 7.1 | 10,761.37 | 1.28 | 470 | 466 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,179,328.41 | 6.08 |
| K14033-K14031 | 15 | 241 | 0.001 | 36.9 | 457,612.77 | 1.28 | 323.5 | 323.25 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 1,589,105.32 | 2.05 |
| F12149-F12065 | 8 | 414 | 0.012 | 53.5 | 25,973.73 | 1.28 | 399 | 394 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,014,314.51 | 5.23 |
| F16039-F16037 | 8 | 242 | 0.004 | 23.5 | 71,751.90 | 1.28 | 491 | 490 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 593,307.89 | 3.06 |
| D15009-D15007 | 8 | 270 | 0.006 | 14.9 | 34,784.40 | 1.28 | 479 | 477.32 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 728,048.93 | 3.75 |
| H13091-H13089 | 8 | 259 | 0.008 | 12.2 | 18,269.83 | 1.28 | 379 | 377 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 811,059.89 | 4.18 |
| K15013-K15011 | 8 | 159 | 0.006 | 13.7 | 28,771.65 | 1.28 | 328 | 327 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 731,963.20 | 3.78 |
| F03025-F03023 | 8 | 251 | 0.008 | 12.2 | 25,138.97 | 1.28 | 518 | 516 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 823,883.76 | 4.25 |
| F09031-F09029 | 8 | 194 | 0.005 | 16.3 | 38,117.87 | 1.29 | 431 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 662,654.18 | 3.42 |
| E16057-E16055 | 8 | 215 | 0.009 | 11.7 | 25,718.36 | 1.29 | 482 | 480 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 890,191.77 | 4.59 |
| E04051-E04049 | 8 | 398 | 0.013 | 11.3 | 15,588.19 | 1.29 | 547 | 542 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,034,501.85 | 5.34 |
| K15035-K15033 | 12 | 391 | 0.002 | 23 | 138,705.76 | 1.29 | 315 | 314.25 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,191,809.25 | 2.31 |
| C02065-D02039 | 8 | 317 | 0.016 | 7.7 | 11,590.83 | 1.29 | 629 | 624 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,159,159.44 | 5.98 |
| L13133-L13131 | 8 | 79 | 0.006 | 13.4 | 28,425.60 | 1.29 | 318 | 317.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 734,275.88 | 3.79 |
| E11139-E11129 | 8 | 340 | 0.021 | 44.4 | 8,412.04 | 1.29 | 428 | 421 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,324,333.51 | 6.83 |
| H06029-H06021 | 8 | 135 | 0.023 | 6.7 | 7,649.61 | 1.29 | 445.25 | 442.2 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,387,301.46 | 7.15 |
| D05037-D05035 | 8 | 296 | 0.018 | 6.8 | 8,626.87 | 1.29 | 585 | 579.81 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,222,153.15 | 6.30 |
| D05015-D05013 | 8 | 31 | 0.032 | 4.4 | 4,313.44 | 1.29 | 593 | 592 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,657,703.90 | 8.55 |
| F16031-F16029 | 12 | 297 | 0.003 | 22.3 | 172,233.49 | 1.29 | 493 | 492 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,579,015.06 | 3.05 |
| E11035-E11033 | 8 | 397 | 0.008 | 14.5 | 32,163.86 | 1.29 | 411 | 408 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 802,330.28 | 4.14 |
| E16067-E16065 | 8 | 322 | 0.016 | 7.7 | 12,190.04 | 1.29 | 500 | 495 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,150,124.55 | 5.93 |
| E06061-E06055 | 8 | 262 | 0.004 | 22.6 | 54,590.32 | 1.29 | 507 | 506 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 570,213.06 | 2.94 |
| D02023-D02021 | 8 | 296 | 0.007 | 15.8 | 37,727.38 | 1.29 | 603 | 601 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 758,677.05 | 3.91 |
| D15017-D15003 | 8 | 367 | 0.014 | 10.7 | 13,723.13 | 1.29 | 480 | 475 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,077,307.73 | 5.56 |
| H10061-H10059 | 8 | 141 | 0.003 | 22.5 | 52,810.20 | 1.29 | 387.13 | 386.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 509,697.47 | 2.63 |
| E11037-E11035 | 8 | 399 | 0.008 | 13.5 | 30,652.60 | 1.29 | 414 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 800,316.90 | 4.13 |
| F16041-F16039 | 8 | 241 | 0.004 | 23.4 | 71,044.65 | 1.29 | 492 | 491 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 594,537.55 | 3.07 |
| G07079-G08131 | 8 | 395 | 0.008 | 13.1 | 29,604.62 | 1.29 | 446 | 443 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 804,358.93 | 4.15 |
| G05005-G05003 | 8 | 263 | 0.011 | 14.1 | 41,754.67 | 1.29 | 471 | 468 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 985,758.57 | 5.08 |
| J11087-J11085 | 8 | 199 | 0.005 | 20.3 | 58,885.51 | 1.29 | 369 | 368 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 654,276.42 | 3.37 |
| D16039-D16015 | 8 | 189 | 0.011 | 17.9 | 18,913.97 | 1.29 | 494 | 492 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 949,449.57 | 4.90 |
| D07131-D07129 | 8 | 267 | 0.022 | 6.2 | 6,681.36 | 1.29 | 499 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,383,591.23 | 7.14 |
| E11039-E11037 | 8 | 130 | 0.008 | 13.2 | 29,485.40 | 1.29 | 415 | 414 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 809,498.65 | 4.17 |
| G10037-G10031 | 8 | 297 | 0.003 | 26.6 | 55,567.79 | 1.29 | 400 | 399 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 535,561.79 | 2.76 |
| E06095-E07047 | 8 | 333 | 0.012 | 30.1 | 14,219.71 | 1.29 | 493 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,011,569.41 | 5.22 |
| E07069-E07065 | 8 | 235 | 0.017 | 8.3 | 9,894.62 | 1.3 | 485 | 481 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,204,159.10 | 6.21 |
| E06015-E06013 | 8 | 223 | 0.018 | 8.4 | 8,482.91 | 1.3 | 523 | 519 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,236,133.49 | 6.38 |
| E10001-F10037 | 24 | 319 | 0.001 | 33.9 | 1,198,359.07 | 1.3 | 416.35 | 416.1 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 4,837,108.35 | 2.41 |
| G09067-G09065 | 8 | 388 | 0.01 | 9.4 | 15,536.40 | 1.3 | 428 | 424 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 937,134.53 | 4.83 |
| E11031-E11029 | 8 | 381 | 0.008 | 14.9 | 34,794.17 | 1.3 | 406 | 403 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 819,003.86 | 4.22 |
| G10035-G10031 | 8 | 215 | 0.005 | 23.9 | 36,934.92 | 1.3 | 400 | 399 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 629,460.64 | 3.25 |
| H12021-H12019 | 12 | 42 | 0.003 | 88.1 | 603,070.87 | 1.3 | 369 | 368.87 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 513,493.37 | 2.65 |
| F07039-F07037 | 8 | 325 | 0.009 | 12.1 | 27,357.85 | 1.3 | 462 | 459 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 886,761.35 | 4.57 |
| H11105-H11103 | 8 | 66 | 0.003 | 28.1 | 86,441.20 | 1.3 | 368 | 367.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 508,078.52 | 2.62 |
| D13025-D13023 | 8 | 159 | 0.006 | 15.1 | 34,317.94 | 1.3 | 427 | 426 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 731,963.20 | 3.78 |
| D12047-D12045 | 8 | 156 | 0.008 | 12 | 25,965.54 | 1.3 | 440.3 | 439 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 842,552.91 | 4.35 |
| G02019-G02017 | 8 | 99 | 0.006 | 19 | 46,621.95 | 1.3 | 513.38 | 512.81 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 700,337.91 | 3.61 |
| F04009-F04007 | 8 | 249 | 0.012 | 9.7 | 15,956.97 | 1.3 | 518 | 515 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,013,091.71 | 5.22 |
| F07113-F07081 | 8 | 264 | 0.008 | 25.5 | 32,728.18 | 1.3 | 473 | 471 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 803,342.68 | 4.14 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| K12039-K12037 | 8 | 243 | 0.008 | 14 | 20,398.26 | 1.3 | 347 | 345 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 837,335.82 | 4.32 |
| D07075-D07073 | 8 | 251 | 0.008 | 11.8 | 23,733.97 | 1.3 | 524 | 522 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 823,883.76 | 4.25 |
| F13033-F13031 | 12 | 265 | 0.004 | 14.2 | 73,025.83 | 1.3 | 402 | 401 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,671,635.41 | 3.23 |
| G15065-G15063 | 8 | 168 | 0.012 | 7.6 | 11,725.94 | 1.3 | 492 | 490 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,007,043.35 | 5.19 |
| F02189-F02187 | 8 | 296 | 0.004 | 19.3 | 48,231.54 | 1.3 | 548.53 | 547.3 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 593,966.76 | 3.06 |
| K14025-K14023 | 18 | 193 | 0.001 | 28.4 | 465,198.77 | 1.3 | 322.25 | 322 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 2,887,570.12 | 2.48 |
| F08135-F08115 | 8 | 305 | 0.01 | 22 | 21,604.70 | 1.31 | 456 | 453 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 915,373.88 | 4.72 |
| E15065-E15063 | 8 | 333 | 0.018 | 8.2 | 11,450.13 | 1.31 | 470 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,238,914.44 | 6.39 |
| F03033-F03025 | 8 | 245 | 0.012 | 10.4 | 16,648.78 | 1.31 | 521 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,021,328.36 | 5.27 |
| D06003-D06001 | 8 | 11 | 0.091 | 12.7 | 1,437.81 | 1.31 | 523 | 522 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,782,860.68 | 14.35 |
| F04003-G04103 | 8 | 326 | 0.006 | 15.6 | 36,378.97 | 1.31 | 506 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 722,926.27 | 3.73 |
| H08011-H08009 | 8 | 107 | 0.006 | 17.8 | 49,973.23 | 1.31 | 433.65 | 433 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 719,370.45 | 3.71 |
| L14049-L14047 | 10 | 212 | 0.002 | 87.1 | 886,220.89 | 1.31 | 311.5 | 311 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 812,702.47 | 2.51 |
| E15107-E15105 | 8 | 256 | 0.016 | 7.7 | 12,494.80 | 1.31 | 477 | 473 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,153,713.09 | 5.95 |
| D16065-D16063 | 8 | 72 | 0.014 | 9.3 | 15,218.62 | 1.31 | 486 | 485 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,087,731.13 | 5.61 |
| D14077-D14063 | 8 | 245 | 0.024 | 8.6 | 7,533.11 | 1.31 | 457 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,444,376.42 | 7.45 |
| F20001-F19059 | 8 | 250 | 0.133 | 2 | 1,195.15 | 1.31 | 684.48 | 651.22 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,366,502.38 | 17.36 |
| L14025-L14023 | 8 | 147 | 0.014 | 7.7 | 12,975.06 | 1.31 | 313 | 311 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,076,574.62 | 5.55 |
| E16033-E16031 | 8 | 175 | 0.006 | 18.6 | 50,122.65 | 1.31 | 494 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 697,700.10 | 3.60 |
| E05057-E05031 | 8 | 377 | 0.013 | 47.8 | 15,568.31 | 1.31 | 525 | 520 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,062,923.81 | 5.48 |
| D04057-D04053 | 8 | 291 | 0.024 | 5.7 | 7,404.36 | 1.31 | 587 | 580 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,431,496.64 | 7.38 |
| G09063-G09061 | 8 | 387 | 0.01 | 9.6 | 16,069.05 | 1.31 | 429 | 425 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 938,344.52 | 4.84 |
| F08019-F08017 | 8 | 222 | 0.004 | 21.3 | 53,835.68 | 1.31 | 437 | 436.2 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 554,059.38 | 2.86 |
| D10041-D10039 | 8 | 326 | 0.018 | 7.2 | 7,061.77 | 1.31 | 464 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,252,145.03 | 6.46 |
| E15075-E15073 | 8 | 338 | 0.015 | 13.2 | 14,412.24 | 1.31 | 470 | 465 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,122,572.66 | 5.79 |
| D08041-D08039 | 12 | 265 | 0.008 | 10.9 | 56,051.59 | 1.31 | 459 | 457 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,364,049.46 | 4.57 |
| F19020-F19018 | 8 | 250 | 0.037 | 4.1 | 4,457.87 | 1.31 | 568.64 | 559.24 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,782,589.99 | 9.19 |
| F06063-F06061 | 8 | 66 | 0.003 | 33.7 | 101,449.77 | 1.31 | 481.7 | 481.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 508,078.52 | 2.62 |
| E03073-E04105 | 10 | 270 | 0.004 | 20.7 | 95,230.78 | 1.31 | 551 | 550 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,018,433.38 | 3.15 |
| F16043-F16041 | 8 | 238 | 0.004 | 23.2 | 70,340.44 | 1.31 | 493 | 492 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 598,272.90 | 3.09 |
| D13065-D13063 | 10 | 69 | 0.007 | 11.7 | 40,933.29 | 1.31 | 429.5 | 429 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,424,541.04 | 4.41 |
| D01027-D01025 | 8 | 211 | 0.014 | 8.6 | 14,887.32 | 1.31 | 619 | 616 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,100,543.48 | 5.68 |
| J14043-J14041 | 8 | 223 | 0.009 | 10.4 | 19,343.60 | 1.32 | 345 | 343 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 874,078.37 | 4.51 |
| E13021-E13019 | 12 | 272 | 0.001 | 59.8 | 604,181.19 | 1.32 | 423.8 | 423.5 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 903,734.11 | 1.75 |
| H12019-H12017 | 12 | 237 | 0.004 | 41.8 | 602,257.91 | 1.32 | 368.87 | 368 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,648,731.56 | 3.19 |
| G09049-G09047 | 8 | 301 | 0.013 | 8.7 | 12,322.34 | 1.32 | 431 | 427 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,063,982.67 | 5.49 |
| F16047-F16045 | 8 | 216 | 0.005 | 21.7 | 61,586.08 | 1.32 | 495 | 494 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 628,001.86 | 3.24 |
| G10039-G10037 | 8 | 253 | 0.004 | 20.6 | 48,096.29 | 1.32 | 401 | 400 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 580,266.56 | 2.99 |
| C09003-C09001 | 8 | 154 | 0.005 | 16.4 | 31,695.03 | 1.32 | 454.82 | 454 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 673,495.00 | 3.47 |
| G13113-G13111 | 8 | 265 | 0.008 | 11.5 | 19,179.84 | 1.32 | 394 | 392 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 801,825.51 | 4.14 |
| K15051-K15049 | 8 | 194 | 0.01 | 9.7 | 16,749.03 | 1.32 | 331 | 329 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 937,134.53 | 4.83 |
| G04103-G04101 | 8 | 332 | 0.006 | 16 | 39,742.85 | 1.32 | 504 | 502 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 716,364.02 | 3.69 |
| D13097-D13095 | 8 | 270 | 0.019 | 7 | 10,695.85 | 1.32 | 452 | 447 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,256,003.72 | 6.48 |
| E16065-E16063 | 8 | 346 | 0.014 | 9.5 | 14,942.04 | 1.32 | 495 | 490 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,109,519.04 | 5.72 |
| F10091-F10089 | 8 | 283 | 0.004 | 20.1 | 48,407.16 | 1.32 | 411 | 410 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 548,649.00 | 2.83 |
| D02105-D02103 | 8 | 90 | 0.022 | 6.6 | 8,404.04 | 1.32 | 620 | 618 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,375,883.14 | 7.10 |
| D11089-D11081 | 8 | 38 | 0.026 | 5.7 | 6,519.59 | 1.33 | 448 | 447 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,497,255.82 | 7.72 |
| F02045-F02043 | 8 | 152 | 0.01 | 10.7 | 19,982.51 | 1.33 | 527.32 | 525.78 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 929,022.80 | 4.79 |
| G13109-G13095 | 8 | 239 | 0.008 | 18.9 | 18,994.79 | 1.33 | 391 | 389 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 844,313.74 | 4.35 |
| D14041-D14039 | 12 | 300 | 0.003 | 18 | 109,796.92 | 1.33 | 443 | 442 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,571,100.15 | 3.04 |
| D06037-D06035 | 8 | 352 | 0.011 | 9.4 | 16,911.83 | 1.33 | 560 | 556 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 983,889.83 | 5.07 |
| E10005-E10003 | 24 | 282 | 0.001 | 34 | 1,201,037.60 | 1.33 | 416.8 | 416.58 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 4,826,118.03 | 2.41 |
| F06081-F06079 | 8 | 220 | 0.01 | 10.5 | 21,473.52 | 1.33 | 494.95 | 492.69 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 935,471.77 | 4.82 |
| C04071-D04039 | 8 | 333 | 0.027 | 5.9 | 6,556.41 | 1.33 | 622 | 613 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,517,354.11 | 7.83 |
| K12011-K12009 | 8 | 213 | 0.005 | 19.2 | 50,983.21 | 1.33 | 372 | 371 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 632,408.95 | 3.26 |
| F04173-F04171 | 8 | 273 | 0.007 | 13.2 | 29,640.51 | 1.33 | 533 | 531 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 789,989.80 | 4.07 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| G15009-G14035 | 8 | 287 | 0.014 | 8.3 | 15,526.27 | 1.33 | 439 | 435 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,089,624.49 | 5.62 |
| D17081-D17079 | 8 | 129 | 0.008 | 13.9 | 33,467.91 | 1.33 | 501 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 812,630.19 | 4.19 |
| F04123-F04119 | 8 | 243 | 0.014 | 10 | 14,117.17 | 1.33 | 515.99 | 512.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,073,946.43 | 5.54 |
| D08051-D08049 | 12 | 251 | 0.008 | 10 | 51,149.45 | 1.33 | 476 | 474 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,429,084.57 | 4.70 |
| C11013-C10025 | 8 | 306 | 0.016 | 12.7 | 8,793.84 | 1.33 | 513 | 508 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,179,810.06 | 6.08 |
| E06085-E06039 | 8 | 256 | 0.008 | 19.3 | 26,494.69 | 1.33 | 500 | 498 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 815,798.35 | 4.21 |
| D15057-D15055 | 8 | 262 | 0.027 | 5 | 6,844.71 | 1.33 | 493 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,508,641.96 | 7.78 |
| E15097-F15057 | 8 | 253 | 0.012 | 10.6 | 21,106.06 | 1.33 | 459 | 456 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,005,051.17 | 5.18 |
| D13003-D13001 | 8 | 182 | 0.005 | 18.3 | 50,095.40 | 1.33 | 423 | 422 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 684,151.23 | 3.53 |
| D07071-D07069 | 8 | 325 | 0.006 | 23 | 36,012.44 | 1.33 | 518 | 516 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 724,037.61 | 3.73 |
| E05059-E05057 | 8 | 135 | 0.015 | 8.2 | 14,288.69 | 1.33 | 527 | 525 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,123,403.88 | 5.79 |
| H05017-H05015 | 12 | 190 | 0.005 | 18.6 | 149,557.99 | 1.34 | 457 | 456 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,974,184.32 | 3.82 |
| D14009-D14003 | 8 | 210 | 0.014 | 7.9 | 14,316.99 | 1.34 | 461 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,103,160.71 | 5.69 |
| J15011-J14029 | 8 | 480 | 0.004 | 24.9 | 48,808.94 | 1.34 | 348 | 346 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 595,774.88 | 3.07 |
| C02009-C02007 | 8 | 198 | 0.005 | 20.7 | 61,671.48 | 1.34 | 630 | 629 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,926.55 | 3.38 |
| D14039-D13043 | 12 | 291 | 0.003 | 19 | 113,217.32 | 1.34 | 442 | 441 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,595,210.51 | 3.09 |
| G14027-G14025 | 10 | 314 | 0.013 | 8.2 | 20,522.33 | 1.34 | 425 | 421 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,888,772.63 | 5.84 |
| F07147-F08133 | 8 | 325 | 0.009 | 13.5 | 28,268.78 | 1.34 | 464 | 461 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 886,761.35 | 4.57 |
| F09037-F09035 | 8 | 121 | 0.007 | 13.6 | 29,345.83 | 1.34 | 433.87 | 433 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 782,626.86 | 4.04 |
| K13005-K13003 | 18 | 357 | 0.001 | 28.3 | 525,153.34 | 1.34 | 320 | 319.5 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 3,002,562.68 | 2.58 |
| G03043-G03037 | 8 | 290 | 0.007 | 13.9 | 30,338.33 | 1.34 | 511 | 509 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 766,485.26 | 3.95 |
| E10003-E10001 | 24 | 277 | 0.001 | 33.7 | 1,199,717.71 | 1.34 | 416.58 | 416.35 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 4,978,920.44 | 2.49 |
| F02185-F02184 | 8 | 126 | 0.005 | 18.3 | 47,614.34 | 1.34 | 546.06 | 545.41 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 650,142.92 | 3.35 |
| H13093-H13091 | 8 | 236 | 0.013 | 9 | 11,952.45 | 1.34 | 382 | 379 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,040,620.63 | 5.37 |
| F10089-F10079 | 8 | 261 | 0.004 | 27.3 | 48,366.05 | 1.34 | 410 | 409 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 571,304.38 | 2.95 |
| E06099-E07049 | 8 | 233 | 0.013 | 30.9 | 15,395.60 | 1.34 | 493 | 490 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,047,298.48 | 5.40 |
| F06123-F06121 | 8 | 302 | 0.007 | 16.5 | 36,080.42 | 1.34 | 486 | 484 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 751,102.72 | 3.87 |
| G08091-G08065 | 8 | 240 | 0.01 | 45.7 | 23,722.17 | 1.34 | 444 | 441.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 942,002.79 | 4.86 |
| D16011-D16009 | 15 | 280 | 0.004 | 15.8 | 155,588.50 | 1.34 | 489 | 488 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,948,575.03 | 3.80 |
| L13021-L13019 | 8 | 169 | 0.024 | 100 | 9,331.05 | 1.34 | 328 | 324 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,419,954.57 | 7.32 |
| F08139-F08113 | 8 | 307 | 0.01 | 30 | 23,961.45 | 1.34 | 455 | 452 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 912,387.33 | 4.71 |
| F19015-F18037 | 8 | 220.4 | 0.007 | 15.5 | 39,133.64 | 1.34 | 552.57 | 551 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 754,403.51 | 3.89 |
| D04039-D04031 | 8 | 343 | 0.017 | 11.4 | 12,004.69 | 1.34 | 613 | 607 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,220,720.88 | 6.30 |
| F18019-F18017 | 8 | 153 | 0.039 | 4.9 | 4,373.20 | 1.34 | 546 | 540 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,827,753.89 | 9.43 |
| E10007-E10005 | 24 | 336 | 0.001 | 34.1 | 1,202,490.86 | 1.34 | 417.06 | 416.8 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 4,806,491.61 | 2.40 |
| F13039-F13037 | 12 | 42 | 0.006 | 11.8 | 55,957.00 | 1.34 | 404.08 | 403.84 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,057,052.96 | 3.98 |
| D14095-D14093 | 8 | 78 | 0.013 | 9.1 | 17,439.92 | 1.35 | 456 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,045,058.27 | 5.39 |
| D07005-D07003 | 8 | 79 | 0.013 | 11.4 | 15,058.44 | 1.35 | 488 | 487 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,038,422.91 | 5.36 |
| E04035-E04031 | 8 | 267 | 0.007 | 16.3 | 35,429.90 | 1.35 | 544 | 542 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 798,816.77 | 4.12 |
| H07011-H07009 | 8 | 120 | 0.006 | 21.3 | 37,389.31 | 1.35 | 436 | 435.26 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 724,791.42 | 3.74 |
| F05007-G05107 | 8 | 284 | 0.007 | 14.6 | 35,480.39 | 1.35 | 500 | 498 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 774,539.61 | 3.99 |
| D07129-D07127 | 8 | 267 | 0.015 | 8 | 12,335.19 | 1.35 | 493 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,129,697.51 | 5.83 |
| D14057-D14055 | 8 | 279 | 0.043 | 3.4 | 3,971.04 | 1.35 | 503 | 491 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,914,151.59 | 9.87 |
| D15045-D14117 | 8 | 368 | 0.008 | 13.3 | 31,507.31 | 1.35 | 474 | 471 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 833,344.41 | 4.30 |
| H10027-H10025 | 8 | 244 | 0.002 | 38.1 | 124,278.73 | 1.35 | 397 | 396.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 417,809.10 | 2.15 |
| F19035-F19032 | 8 | 240 | 0.06 | 6.5 | 2,778.19 | 1.35 | 572.64 | 558.12 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,270,207.19 | 11.71 |
| F15077-F15075 | 8 | 183 | 0.016 | 7.7 | 13,456.96 | 1.35 | 470 | 467 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,181,742.60 | 6.09 |
| D12049-D12047 | 8 | 80 | 0.011 | 11 | 20,672.20 | 1.35 | 441.21 | 440.3 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 984,381.65 | 5.08 |
| H05019-H05017 | 12 | 122 | 0.016 | 13.3 | 45,398.18 | 1.35 | 459 | 457 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,484,171.95 | 6.74 |
| D05013-D05011 | 8 | 252 | 0.024 | 5.3 | 7,181.78 | 1.35 | 592 | 586 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,424,174.36 | 7.35 |
| D10033-D10031 | 8 | 343 | 0.015 | 8.5 | 10,549.10 | 1.35 | 459 | 454 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,114,360.60 | 5.75 |
| G02009-G02007 | 8 | 182 | 0.005 | 17.9 | 47,517.45 | 1.35 | 521.96 | 520.97 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 680,721.88 | 3.51 |
| D13023-D13021 | 8 | 154 | 0.006 | 16.3 | 38,950.60 | 1.35 | 426 | 425 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 743,750.80 | 3.84 |
| G09111-G09109 | 8 | 28 | 0.036 | 4.9 | 3,754.24 | 1.35 | 405 | 404 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,744,250.24 | 9.00 |
| G12065-G12007 | 15 | 300 | 0.005 | 14.1 | 96,972.01 | 1.35 | 381 | 379.48 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,511,982.68 | 4.53 |
| D17013-D16033 | 15 | 193 | 0.005 | 12.6 | 115,028.33 | 1.35 | 497 | 496 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,551,505.94 | 4.58 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| D05063-D05061 | 8 | 128 | 0.039 | 5.2 | 5,086.85 | 1.35 | 595 | 590 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,824,180.57 | 9.41 |
| E08027-E08025 | 15 | 12 | 0.042 | 2.2 | 4,692.79 | 1.35 | 454 | 453.5 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 10,071,301.06 | 12.99 |
| G10047-G10045 | 8 | 32 | 0.031 | 5.7 | 4,529.39 | 1.36 | 404 | 403 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,631,596.70 | 8.41 |
| G15073-G15071 | 8 | 252 | 0.02 | 5.7 | 6,820.64 | 1.36 | 430 | 425 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,300,087.37 | 6.71 |
| D05131-D05129 | 6 | 19 | 0.053 | 6.2 | 2,773.34 | 1.36 | 574 | 573 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 983,198.13 | 7.61 |
| G14073-G14071 | 8 | 230 | 0.017 | 7.3 | 8,865.10 | 1.36 | 421 | 417 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,217,177.41 | 6.28 |
| E16059-E16057 | 8 | 272 | 0.011 | 11.3 | 24,563.76 | 1.36 | 485 | 482 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 969,312.88 | 5.00 |
| E07087-E07085 | 8 | 239 | 0.004 | 21.9 | 56,020.93 | 1.36 | 471 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 597,019.97 | 3.08 |
| F06075-F06073 | 8 | 182 | 0.008 | 13.8 | 31,847.75 | 1.36 | 489.97 | 488.48 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 835,113.01 | 4.31 |
| J08019-J08017 | 8 | 85 | 0.013 | 10.5 | 17,377.16 | 1.36 | 403.31 | 402.2 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,054,726.44 | 5.44 |
| K11007-K11005 | 8 | 165 | 0.034 | 29.8 | 5,842.68 | 1.36 | 369 | 363.36 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,706,417.86 | 8.80 |
| F02192-F02190 | 8 | 179 | 0.004 | 19 | 48,527.16 | 1.36 | 549.88 | 549.06 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 616,149.10 | 3.18 |
| F10055-F10053 | 8 | 109 | 0.009 | 10.2 | 19,207.22 | 1.36 | 404 | 403 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 884,045.38 | 4.56 |
| J14067-J14055 | 8 | 121 | 0.008 | 15.9 | 25,393.37 | 1.36 | 334 | 333 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 839,064.07 | 4.33 |
| D05085-D05081 | 8 | 246 | 0.025 | 8.1 | 8,373.34 | 1.36 | 594.1 | 588 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,453,400.05 | 7.50 |
| D14093-D14091 | 8 | 78 | 0.013 | 9.2 | 18,224.65 | 1.36 | 455 | 454 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,045,058.27 | 5.39 |
| E06049-E06047 | 8 | 244 | 0.016 | 8.4 | 11,418.24 | 1.36 | 510 | 506 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,181,742.60 | 6.09 |
| D14061-D14059 | 8 | 115 | 0.104 | 2 | 1,590.25 | 1.36 | 527 | 515 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,981,463.59 | 15.38 |
| L13155-L13153 | 8 | 139 | 0.007 | 100 | 28,929.65 | 1.36 | 326 | 325 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 782,853.34 | 4.04 |
| F13105-F13103 | 8 | 244 | 0.012 | 11.5 | 20,107.00 | 1.36 | 415 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,023,419.11 | 5.28 |
| F10031-F10029 | 24 | 277 | 0.001 | 33.1 | 1,225,668.67 | 1.36 | 416 | 415.75 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 5,190,883.39 | 2.59 |
| D13099-D13097 | 8 | 224 | 0.022 | 6.3 | 9,519.95 | 1.36 | 457 | 452 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,378,950.89 | 7.11 |
| G04099-G04091 | 8 | 315 | 0.006 | 25 | 43,670.64 | 1.36 | 500 | 498 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 735,440.48 | 3.79 |
| J14005-K14071 | 8 | 234 | 0.009 | 12.8 | 24,006.12 | 1.36 | 331 | 329 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 853,286.50 | 4.40 |
| E03055-E03051 | 8 | 248 | 0.008 | 14 | 32,906.45 | 1.36 | 571 | 569 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 828,851.95 | 4.27 |
| C05019-D05087 | 8 | 249 | 0.033 | 4.5 | 5,834.77 | 1.36 | 610.5 | 602.3 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,674,923.82 | 8.64 |
| D14035-D14033 | 8 | 226 | 0.044 | 3.9 | 3,971.19 | 1.36 | 470 | 460 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,941,482.98 | 10.01 |
| J11001-J12017 | 8 | 356 | 0.008 | 14.3 | 32,458.57 | 1.36 | 367 | 364 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 847,273.13 | 4.37 |
| F14025-F14023 | 8 | 73 | 0.01 | 10.7 | 17,388.68 | 1.36 | 428 | 427.25 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 935,528.47 | 4.82 |
| D16009-D16007 | 15 | 277 | 0.004 | 15.9 | 163,108.95 | 1.36 | 488 | 487 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,964,499.05 | 3.82 |
| D14091-D14089 | 8 | 78 | 0.013 | 9.3 | 18,611.66 | 1.36 | 454 | 453 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,045,058.27 | 5.39 |
| D18045-D18009 | 12 | 112 | 0.054 | 4.1 | 10,080.21 | 1.36 | 525.9 | 519.26 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 6,322,604.00 | 12.23 |
| F02171-F02169 | 8 | 142 | 0.006 | 14.5 | 33,312.09 | 1.36 | 548.05 | 547.13 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 732,664.74 | 3.78 |
| H06021-H06007 | 8 | 228 | 0.014 | 25.3 | 14,739.77 | 1.36 | 442.2 | 439 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,093,441.05 | 5.64 |
| F19022-F19020 | 8 | 174 | 0.053 | 3.3 | 3,270.00 | 1.36 | 578.04 | 568.64 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,133,022.32 | 11.00 |
| H05047-H05045 | 8 | 269 | 0.007 | 23.8 | 80,775.14 | 1.37 | 466 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 795,841.65 | 4.10 |
| D07119-D07117 | 8 | 278 | 0.004 | 24.6 | 73,487.34 | 1.37 | 478 | 477 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 553,560.90 | 2.85 |
| G09065-G09057 | 8 | 382 | 0.01 | 11.1 | 18,732.77 | 1.37 | 424 | 420 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 944,465.55 | 4.87 |
| D05039-D06057 | 10 | 340 | 0.015 | 14.6 | 14,374.65 | 1.37 | 555 | 550 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,029,364.47 | 6.28 |
| D09095-D09093 | 8 | 240 | 0.004 | 19.1 | 45,485.33 | 1.37 | 439 | 438 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 595,774.88 | 3.07 |
| C03045-C03043 | 8 | 292 | 0.014 | 8.7 | 16,731.57 | 1.37 | 644 | 640 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,080,255.23 | 5.57 |
| F08017-F08015 | 8 | 51 | 0.004 | 21.4 | 58,319.26 | 1.37 | 436.2 | 436 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 577,986.53 | 2.98 |
| D14089-D14087 | 8 | 78 | 0.013 | 10.6 | 18,998.72 | 1.37 | 453 | 452 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,045,058.27 | 5.39 |
| J14069-J14067 | 8 | 121 | 0.008 | 12 | 25,629.37 | 1.37 | 335 | 334 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 839,064.07 | 4.33 |
| G14029-G14027 | 10 | 293 | 0.014 | 7.2 | 20,041.04 | 1.37 | 429 | 425 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,955,287.82 | 6.05 |
| F09023-F09021 | 15 | 117 | 0.009 | 7.2 | 39,041.49 | 1.37 | 428 | 427 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,561,401.16 | 5.88 |
| F03007-F03005 | 8 | 24 | 0.042 | 4.5 | 4,290.89 | 1.37 | 516 | 515 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,884,005.59 | 9.72 |
| G13097-G13095 | 10 | 371 | 0.003 | 24.6 | 115,199.90 | 1.37 | 390 | 389 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 868,815.49 | 2.69 |
| F07053-F07039 | 8 | 31 | 0.016 | 10.3 | 17,390.95 | 1.37 | 462.5 | 462 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,172,173.67 | 6.05 |
| F19051-F19048 | 8 | 0 | 0.069 | 2.8 | 2,385.38 | 1.37 | 605.75 | 573.9 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,418,151.66 | 12.47 |
| D02085-D02081 | 8 | 125 | 0.008 | 14.2 | 36,062.48 | 1.37 | 605 | 604 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 825,529.89 | 4.26 |
| D02027-D02025 | 8 | 302 | 0.01 | 12.2 | 29,171.91 | 1.37 | 610 | 607 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 919,909.20 | 4.74 |
| D02093-D02091 | 8 | 200 | 0.01 | 13 | 27,677.03 | 1.37 | 610 | 608 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 922,970.47 | 4.76 |
| E12145-E12143 | 8 | 404 | 0.007 | 16.5 | 41,002.28 | 1.37 | 410 | 407 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 795,349.02 | 4.10 |
| F06155-F06147 | 10 | 375 | 0.011 | 10.7 | 25,921.69 | 1.37 | 494 | 490 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,728,338.76 | 5.35 |
| F08023-F08021 | 8 | 258 | 0.016 | 12.7 | 10,046.95 | 1.37 | 442 | 438 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,149,232.63 | 5.93 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| E13079-E13077 | 8 | 316 | 0.006 | 20.8 | 52,645.09 | 1.37 | 429 | 427 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 734,275.88 | 3.79 |
| D14049-D14047 | 8 | 234 | 0.023 | 8.6 | 9,900.29 | 1.38 | 454.36 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,396,890.21 | 7.20 |
| F08129-F08123 | 12 | 240 | 0.004 | 17.1 | 93,401.30 | 1.38 | 456 | 455 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,756,543.37 | 3.40 |
| G03037-G03033 | 8 | 284 | 0.007 | 17.8 | 33,712.36 | 1.38 | 509 | 507 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 774,539.61 | 3.99 |
| E12147-E12145 | 8 | 387 | 0.008 | 15.1 | 37,906.91 | 1.38 | 413 | 410 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 812,630.19 | 4.19 |
| H10025-H10023 | 8 | 239 | 0.002 | 38.8 | 134,468.02 | 1.38 | 396.5 | 396 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 422,156.87 | 2.18 |
| H08009-H08007 | 12 | 585 | 0.009 | 11.3 | 49,849.67 | 1.38 | 433 | 428 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,515,773.67 | 4.87 |
| D14081-D14079 | 8 | 311 | 0.048 | 3.7 | 3,578.07 | 1.38 | 480 | 465 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,026,997.64 | 10.45 |
| G04101-G04099 | 8 | 300 | 0.007 | 16.3 | 41,893.27 | 1.38 | 502 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 753,602.23 | 3.89 |
| F08015-F08013 | 8 | 249 | 0.004 | 21.4 | 58,842.53 | 1.38 | 436 | 435 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 584,908.77 | 3.02 |
| J11079-J11077 | 8 | 210 | 0.005 | 25.7 | 80,435.89 | 1.38 | 366 | 365 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 636,910.14 | 3.28 |
| F08121-F08119 | 8 | 316 | 0.013 | 11.1 | 19,757.08 | 1.38 | 460 | 456 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,038,422.91 | 5.36 |
| E18037-E18035 | 8 | 118 | 0.042 | 3.9 | 5,131.27 | 1.38 | 532 | 527 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,899,904.65 | 9.80 |
| E01009-E01007 | 8 | 723 | 0.004 | 26.4 | 73,720.34 | 1.38 | 579.05 | 576.34 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 565,071.37 | 2.91 |
| E18021-E18019 | 8 | 196 | 0.033 | 8.7 | 7,108.73 | 1.38 | 528 | 521.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,680,801.59 | 8.67 |
| J08119-J08117 | 10 | 306 | 0.01 | 10.9 | 42,256.91 | 1.38 | 405.38 | 402.2 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,705,954.15 | 5.28 |
| E04049-E04047 | 8 | 259 | 0.008 | 23.7 | 34,937.91 | 1.38 | 542 | 540 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 811,059.89 | 4.18 |
| D14033-D14029 | 8 | 300 | 0.033 | 6.5 | 6,348.98 | 1.38 | 460 | 450 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,685,105.82 | 8.69 |
| F18043-F18041 | 8 | 203 | 0.039 | 5.5 | 5,151.94 | 1.38 | 555 | 547 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,832,250.22 | 9.45 |
| F10057-F10055 | 8 | 326 | 0.009 | 10.2 | 19,228.38 | 1.38 | 407 | 404 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 885,400.24 | 4.57 |
| E10075-E10073 | 8 | 197 | 0.005 | 21.2 | 36,962.23 | 1.38 | 429 | 428 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 657,589.23 | 3.39 |
| K12001-J12019 | 30 | 321 | 0.003 | 13.1 | 482,241.26 | 1.38 | 361 | 360 | Vitrified Clay Pipe-Circular-30 inch | 4.9 | 17,485,793.22 | 5.52 |
| J07133-J07131 | 8 | 42 | 0.032 | 4.7 | 7,040.12 | 1.38 | 420.09 | 418.74 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,654,741.07 | 8.53 |
| C03049-C03047 | 8 | 142 | 0.014 | 8.7 | 15,665.66 | 1.39 | 649 | 647 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,095,364.43 | 5.65 |
| J14089-J14087 | 8 | 271 | 0.004 | 28.1 | 76,731.71 | 1.39 | 335 | 334 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 560,664.63 | 2.89 |
| H06005-H06003 | 12 | 343 | 0.004 | 23.6 | 196,658.84 | 1.39 | 438.48 | 437.16 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,688,124.23 | 3.26 |
| D13061-D13059 | 10 | 260 | 0.008 | 12.4 | 47,732.11 | 1.39 | 426 | 424 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,467,718.72 | 4.54 |
| F17005-F17003 | 12 | 246 | 0.004 | 21 | 163,078.07 | 1.39 | 508 | 507 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,734,989.87 | 3.36 |
| F15075-F15073 | 8 | 182 | 0.016 | 8 | 15,029.34 | 1.39 | 467 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,184,984.69 | 6.11 |
| G09061-G09059 | 8 | 386 | 0.01 | 11.6 | 19,802.35 | 1.39 | 425 | 421 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 939,559.20 | 4.85 |
| E12141-E12139 | 8 | 397 | 0.008 | 17.3 | 45,983.24 | 1.39 | 405 | 402 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 802,330.28 | 4.14 |
| K15011-K15005 | 8 | 175 | 0.007 | 33.9 | 32,389.65 | 1.39 | 327 | 325.75 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 780,052.42 | 4.02 |
| H11115-H11113 | 8 | 258 | 0.004 | 24.2 | 73,821.49 | 1.39 | 370 | 369 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 574,616.32 | 2.96 |
| D06039-D06037 | 8 | 347 | 0.02 | 7.7 | 9,885.16 | 1.39 | 567 | 560 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,310,907.63 | 6.76 |
| D06097-D06095 | 8 | 329 | 0.009 | 15.6 | 25,167.60 | 1.39 | 532 | 529 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 881,354.21 | 4.55 |
| J14099-J14097 | 8 | 252 | 0.004 | 23 | 64,004.54 | 1.39 | 340 | 339 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 581,416.75 | 3.00 |
| E02047-E02045 | 8 | 219 | 0.013 | 9 | 15,918.25 | 1.39 | 586.57 | 583.71 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,054,748.14 | 5.44 |
| F17015-F17013 | 12 | 270 | 0.004 | 21.2 | 163,477.17 | 1.39 | 515.23 | 514.23 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,656,084.97 | 3.20 |
| E18023-E18021 | 8 | 195 | 0.036 | 4.5 | 6,321.47 | 1.39 | 535 | 528 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,748,716.96 | 9.02 |
| G02013-G02011 | 8 | 230 | 0.006 | 18.2 | 47,207.46 | 1.39 | 516.58 | 515.13 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 732,837.85 | 3.78 |
| C06021-C06019 | 8 | 294 | 0.014 | 11.3 | 15,671.15 | 1.39 | 554 | 550 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,076,574.62 | 5.55 |
| D14079-D14077 | 8 | 228 | 0.035 | 4.7 | 5,953.66 | 1.39 | 465 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,728,882.10 | 8.92 |
| C04075-C04071 | 8 | 199 | 0.05 | 4 | 3,643.56 | 1.4 | 632 | 622 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,069,003.71 | 10.67 |
| F09033-F09031 | 8 | 157 | 0.006 | 15.9 | 38,149.37 | 1.4 | 432 | 431 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 736,610.63 | 3.80 |
| F06055-F07101 | 8 | 268 | 0.004 | 31.6 | 108,797.37 | 1.4 | 479 | 478 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 563,793.95 | 2.91 |
| F02163-F02161 | 8 | 304 | 0.004 | 30.6 | 82,727.58 | 1.4 | 543.37 | 542.29 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 549,224.33 | 2.83 |
| D06129-D06127 | 8 | 212 | 0.014 | 8.5 | 14,791.86 | 1.4 | 535 | 532 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,097,944.79 | 5.66 |
| F09085-F09081 | 8 | 329 | 0.003 | 29.8 | 98,152.53 | 1.4 | 425 | 424 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 508,850.09 | 2.62 |
| F18001-F17025 | 12 | 251 | 0.004 | 19 | 135,268.10 | 1.4 | 528 | 527 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,717,622.17 | 3.32 |
| E02017-E02015 | 8 | 262 | 0.004 | 35.4 | 93,308.74 | 1.4 | 572.13 | 571.14 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 567,354.83 | 2.93 |
| G08131-G08129 | 8 | 392 | 0.01 | 13.3 | 29,375.13 | 1.4 | 443 | 439 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 932,340.97 | 4.81 |
| J08117-J08083 | 10 | 298 | 0.011 | 12.9 | 42,231.39 | 1.4 | 402.2 | 398.87 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,769,002.69 | 5.47 |
| H13071-H13069 | 12 | 42 | 0.014 | 5.5 | 14,715.96 | 1.4 | 375.32 | 374.75 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,170,131.52 | 6.13 |
| D09055-D09037 | 8 | 253 | 0.006 | 27.1 | 32,784.55 | 1.4 | 448 | 446.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 710,678.50 | 3.67 |
| G02031-G02029 | 8 | 48 | 0.008 | 20.2 | 46,441.27 | 1.4 | 510.38 | 509.99 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 831,954.34 | 4.29 |
| D06133-D06131 | 8 | 386 | 0.013 | 11.8 | 16,559.51 | 1.4 | 539 | 534 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,050,459.12 | 5.42 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| C04069-C04065 | 8 | 281 | 0.068 | 4.1 | 2,909.78 | 1.4 | 685 | 666 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,400,001.14 | 12.38 |
| J08121-J08119 | 10 | 191 | 0.011 | 10.8 | 42,270.74 | 1.4 | 407.4 | 405.38 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,720,970.83 | 5.33 |
| E06055-E06053 | 8 | 262 | 0.004 | 24.7 | 73,677.62 | 1.4 | 506 | 505 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 570,213.06 | 2.94 |
| E01013-E01011 | 8 | 343 | 0.009 | 13.5 | 34,103.64 | 1.4 | 584.02 | 581 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 866,052.50 | 4.47 |
| D16007-D16005 | 15 | 242 | 0.004 | 15.4 | 163,304.63 | 1.4 | 487 | 486 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,171,637.30 | 4.09 |
| F08087-F08085 | 8 | 301 | 0.007 | 18.2 | 53,665.16 | 1.41 | 450 | 448 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 752,349.36 | 3.88 |
| K15025-K15023 | 8 | 373 | 0.005 | 17.4 | 44,066.51 | 1.41 | 319 | 317 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 675,847.00 | 3.49 |
| G14035-G14031 | 10 | 190 | 0.016 | 6.7 | 18,302.66 | 1.41 | 435 | 432 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,102,801.78 | 6.51 |
| H11043-H11041 | 8 | 368 | 0.024 | 97.4 | 7,032.40 | 1.41 | 380 | 371.02 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,441,790.19 | 7.44 |
| D17069-D17067 | 12 | 29 | 0.009 | 13.7 | 79,877.70 | 1.41 | 511.75 | 511.5 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,526,594.25 | 4.89 |
| E05025-E05013 | 10 | 262 | 0.008 | 12 | 36,695.44 | 1.41 | 514 | 512 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,462,106.00 | 4.52 |
| F02184-F02182 | 8 | 65 | 0.006 | 17.6 | 47,494.57 | 1.41 | 545.41 | 544.99 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 704,930.34 | 3.64 |
| D05077-D05075 | 10 | 333 | 0.021 | 5.7 | 15,158.45 | 1.41 | 579 | 572 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,426,282.76 | 7.51 |
| G03031-G03029 | 8 | 248 | 0.004 | 27.5 | 92,028.24 | 1.41 | 505 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 586,086.84 | 3.02 |
| D10115-D10113 | 8 | 101 | 0.005 | 17.2 | 41,992.19 | 1.41 | 436.22 | 435.72 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 649,399.76 | 3.35 |
| J12065-J12059 | 10 | 204 | 0.005 | 19.5 | 97,673.88 | 1.41 | 362 | 361 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,171,654.12 | 3.63 |
| D02021-D02019 | 8 | 137 | 0.007 | 28.9 | 45,699.21 | 1.41 | 601 | 600 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 788,546.89 | 4.07 |
| G02007-G02005 | 8 | 120 | 0.006 | 17.7 | 47,617.80 | 1.41 | 522.69 | 521.96 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 719,877.52 | 3.71 |
| D17073-D17071 | 12 | 29 | 0.009 | 13.1 | 79,896.80 | 1.41 | 512.25 | 512 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,526,594.25 | 4.89 |
| E15103-E15101 | 8 | 236 | 0.017 | 8.6 | 15,624.75 | 1.41 | 470 | 466 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,201,605.21 | 6.20 |
| E03063-E03055 | 8 | 232 | 0.013 | 11.7 | 21,370.61 | 1.41 | 574 | 571 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,049,553.16 | 5.41 |
| G09127-G09125 | 8 | 360 | 0.011 | 13.1 | 28,105.70 | 1.41 | 417 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 972,896.30 | 5.02 |
| D08047-D08045 | 12 | 315 | 0.01 | 9.7 | 52,393.79 | 1.41 | 470 | 467 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,655,643.96 | 5.14 |
| D10053-D10047 | 8 | 132 | 0.03 | 6.5 | 5,296.33 | 1.41 | 470 | 466 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,606,685.36 | 8.29 |
| D15067-D15065 | 8 | 328 | 0.027 | 6.6 | 8,630.64 | 1.41 | 489 | 480 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,528,875.57 | 7.89 |
| H12001-J12043 | 21 | 451 | 0.002 | 31.9 | 778,118.28 | 1.41 | 360.7 | 360 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 4,767,895.30 | 3.07 |
| E05149-E05147 | 8 | 323 | 0.012 | 48.2 | 19,221.22 | 1.42 | 516 | 512 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,027,109.02 | 5.30 |
| F18009-F18005 | 12 | 242 | 0.004 | 19 | 126,850.05 | 1.42 | 531 | 530 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,749,269.87 | 3.38 |
| F05129-F05127 | 8 | 191 | 0.016 | 8.9 | 16,253.33 | 1.42 | 499 | 496 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,156,729.34 | 5.97 |
| D11009-D11007 | 8 | 189 | 0.005 | 21.3 | 39,262.74 | 1.42 | 447 | 446 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 671,362.23 | 3.46 |
| K15041-K15039 | 12 | 403 | 0.005 | 13.2 | 61,161.26 | 1.42 | 321 | 319 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,917,021.45 | 3.71 |
| D08061-D08059 | 8 | 313 | 0.01 | 13.9 | 37,697.31 | 1.42 | 493 | 490 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 903,600.09 | 4.66 |
| F06057-F06055 | 8 | 255 | 0.004 | 29.3 | 105,108.21 | 1.42 | 480 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 577,986.53 | 2.98 |
| D06087-D06085 | 8 | 339 | 0.012 | 11.6 | 20,058.20 | 1.42 | 538 | 534 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,002,577.50 | 5.17 |
| F17003-F17001 | 12 | 247 | 0.004 | 21.3 | 172,580.18 | 1.42 | 507 | 506 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,731,474.19 | 3.35 |
| F08131-F08129 | 8 | 328 | 0.006 | 21.2 | 55,740.35 | 1.42 | 458 | 456 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 720,718.85 | 3.72 |
| H13065-H13059 | 12 | 251 | 0.012 | 6.1 | 18,892.13 | 1.42 | 372 | 369 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,975,008.87 | 5.75 |
| H12045-H12043 | 8 | 179 | 0.006 | 19.9 | 46,790.34 | 1.42 | 367 | 366 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 689,860.52 | 3.56 |
| F05079-F05077 | 8 | 306 | 0.007 | 45.5 | 42,538.12 | 1.42 | 509 | 507 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 746,177.40 | 3.85 |
| H05007-H05005 | 12 | 250 | 0.006 | 19 | 154,210.64 | 1.42 | 447.83 | 446.24 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,170,166.50 | 4.20 |
| F08123-F08117 | 12 | 275 | 0.004 | 19.2 | 121,861.61 | 1.42 | 455 | 454 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,640,960.59 | 3.17 |
| D02057-D02055 | 8 | 315 | 0.006 | 18.3 | 53,424.69 | 1.42 | 608 | 606 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 735,440.48 | 3.79 |
| D15005-D15003 | 8 | 279 | 0.007 | 15.9 | 42,653.08 | 1.42 | 477 | 475 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 781,449.11 | 4.03 |
| F14063-F14053 | 10 | 263 | 0.008 | 25 | 55,519.25 | 1.42 | 429 | 427 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,459,323.69 | 4.52 |
| F14079-F14077 | 8 | 256 | 0.012 | 11.5 | 27,770.21 | 1.42 | 450 | 447 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 999,144.84 | 5.15 |
| F06059-F06057 | 8 | 252 | 0.004 | 28.7 | 103,226.87 | 1.43 | 481 | 480 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 581,416.75 | 3.00 |
| E01007-E01005 | 8 | 251 | 0.003 | 28.3 | 94,804.63 | 1.43 | 576.34 | 575.48 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 540,256.71 | 2.79 |
| J14091-J14089 | 8 | 259 | 0.004 | 24.9 | 77,057.19 | 1.43 | 336 | 335 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 573,505.95 | 2.96 |
| F02077-F02070 | 8 | 104 | 0.013 | 11 | 18,577.32 | 1.43 | 536.65 | 535.09 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,047,990.68 | 5.40 |
| D14059-D14057 | 8 | 156 | 0.077 | 2.8 | 2,383.84 | 1.43 | 515 | 503 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,559,859.51 | 13.20 |
| C03043-C03041 | 8 | 379 | 0.016 | 8.5 | 17,068.04 | 1.43 | 640 | 634 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,161,298.40 | 5.99 |
| H05005-H05003 | 12 | 249 | 0.005 | 20 | 168,662.76 | 1.43 | 446.24 | 445 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,920,329.12 | 3.71 |
| E03247-E03245 | 10 | 263 | 0.002 | 40.9 | 255,311.43 | 1.43 | 561.18 | 560.68 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 729,661.84 | 2.26 |
| J07117-J07115 | 10 | 300 | 0.009 | 13 | 42,125.56 | 1.43 | 413.56 | 410.97 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,554,904.65 | 4.81 |
| C03019-C04063 | 8 | 306 | 0.016 | 8.5 | 16,714.27 | 1.43 | 656 | 651 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,179,810.06 | 6.08 |
| J14097-J14095 | 8 | 253 | 0.004 | 24.1 | 71,209.45 | 1.43 | 339 | 338 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 580,266.56 | 2.99 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| F12013-F12011 | 12 | 211 | 0.005 | 14.7 | 87,156.65 | 1.43 | 393 | 392 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,873,368.75 | 3.62 |
| F02182-F02167 | 8 | 45 | 0.006 | 20.4 | 48,348.08 | 1.43 | 544.99 | 544.63 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 720,963.12 | 3.72 |
| C04051-C04049 | 8 | 286 | 0.016 | 9.1 | 15,581.17 | 1.43 | 831.57 | 827.12 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,151,290.17 | 5.94 |
| F03021-G03067 | 8 | 251 | 0.008 | 14.8 | 38,841.24 | 1.43 | 513 | 511 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 823,883.76 | 4.25 |
| D08057-D08055 | 8 | 278 | 0.011 | 13.6 | 38,067.48 | 1.44 | 486 | 483 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 958,795.61 | 4.94 |
| F13043-F13041 | 12 | 77 | 0.007 | 10.9 | 55,997.62 | 1.44 | 406 | 405.48 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,236,252.34 | 4.32 |
| C02019-C02015 | 8 | 259 | 0.008 | 15.4 | 39,677.56 | 1.44 | 636 | 634 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 811,059.89 | 4.18 |
| D16001-E16007 | 15 | 274 | 0.004 | 17.5 | 199,234.98 | 1.44 | 480 | 479 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,980,683.87 | 3.84 |
| D13001-D12011 | 8 | 150 | 0.007 | 19.6 | 52,371.11 | 1.44 | 422 | 421 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 753,602.23 | 3.89 |
| C06033-C06029 | 8 | 279 | 0.029 | 6.1 | 7,189.06 | 1.44 | 575 | 567 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,562,898.23 | 8.06 |
| K14103-K14101 | 10 | 395 | 0.002 | 40.8 | 239,048.39 | 1.44 | 311.16 | 310.5 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 684,050.13 | 2.12 |
| E14007-E14005 | 15 | 330 | 0.003 | 20.2 | 242,137.72 | 1.44 | 446 | 445 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,716,027.92 | 3.50 |
| F02190-F02189 | 8 | 93 | 0.005 | 18.7 | 48,326.77 | 1.44 | 549.06 | 548.53 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 682,244.24 | 3.52 |
| J14093-J14091 | 8 | 259 | 0.004 | 24.9 | 77,958.32 | 1.44 | 337 | 336 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 573,505.95 | 2.96 |
| E01005-E01003 | 8 | 296 | 0.004 | 27.7 | 94,371.45 | 1.44 | 575.48 | 574.39 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 560,086.62 | 2.89 |
| H06013-H06009 | 12 | 318 | 0.005 | 23.2 | 176,634.18 | 1.44 | 441 | 439.41 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,924,196.85 | 3.72 |
| F17021-F17019 | 12 | 212 | 0.005 | 20.5 | 134,985.63 | 1.44 | 524 | 523 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,868,945.20 | 3.61 |
| D17079-D17077 | 8 | 101 | 0.01 | 14.5 | 33,442.13 | 1.44 | 500 | 499 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 918,389.95 | 4.74 |
| E12083-E12007 | 10 | 394 | 0.01 | 33.1 | 42,395.57 | 1.44 | 410 | 406 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,686,150.72 | 5.22 |
| C02015-C02013 | 8 | 267 | 0.007 | 19.2 | 43,248.43 | 1.44 | 634 | 632 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 798,816.77 | 4.12 |
| F04169-F04167 | 8 | 228 | 0.009 | 15 | 32,957.65 | 1.45 | 529 | 527 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 864,441.05 | 4.46 |
| E05023-E05021 | 8 | 32 | 0.031 | 6.3 | 6,284.85 | 1.45 | 520 | 519 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,631,596.70 | 8.41 |
| F04007-F04005 | 8 | 255 | 0.012 | 10.6 | 23,692.52 | 1.45 | 515 | 512 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,001,102.04 | 5.16 |
| F12009-F12007 | 12 | 197 | 0.005 | 14.5 | 87,498.00 | 1.45 | 391 | 390 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,938,792.74 | 3.75 |
| F16037-F16023 | 8 | 168 | 0.006 | 25.8 | 72,065.28 | 1.45 | 490 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 712,087.18 | 3.67 |
| G03029-G03027 | 8 | 250 | 0.004 | 28.9 | 101,464.09 | 1.45 | 504 | 503 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 583,737.78 | 3.01 |
| G11003-G11001 | 8 | 300 | 0.022 | 100 | 8,588.17 | 1.45 | 380 | 373.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,358,575.75 | 7.01 |
| F10037-F10031 | 24 | 89 | 0.001 | 32 | 1,196,653.32 | 1.45 | 416.1 | 416 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 5,791,834.58 | 2.89 |
| F19048-F19047 | 8 | 0 | 0.061 | 7 | 3,965.62 | 1.45 | 573.9 | 570.85 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,279,568.91 | 11.76 |
| G08123-G08121 | 12 | 63 | 0.01 | 9.4 | 42,514.96 | 1.45 | 438 | 437.38 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,699,541.87 | 5.22 |
| D05003-D05001 | 8 | 345 | 0.006 | 19.8 | 49,884.78 | 1.45 | 563 | 561 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 702,737.71 | 3.62 |
| D08053-D08051 | 12 | 198 | 0.01 | 9.7 | 50,590.40 | 1.45 | 478 | 476 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,734,934.32 | 5.29 |
| E10071-E10069 | 8 | 66 | 0.003 | 29.2 | 83,336.52 | 1.45 | 427.6 | 427.4 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 508,078.52 | 2.62 |
| F08085-F08083 | 8 | 282 | 0.007 | 48.4 | 56,356.99 | 1.45 | 448 | 446 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 777,281.36 | 4.01 |
| F09029-F09027 | 8 | 133 | 0.008 | 16.5 | 38,075.25 | 1.45 | 430 | 429 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 800,316.90 | 4.13 |
| F16003-F15109 | 8 | 220 | 0.027 | 8.3 | 9,884.33 | 1.45 | 483 | 477 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,524,235.57 | 7.86 |
| J14095-J14093 | 8 | 253 | 0.004 | 24.7 | 76,183.23 | 1.45 | 338 | 337 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 580,266.56 | 2.99 |
| D09085-D09075 | 8 | 284 | 0.014 | 15 | 14,269.86 | 1.45 | 455 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,095,364.43 | 5.65 |
| J14033-J14031 | 8 | 249 | 0.004 | 24.1 | 74,155.69 | 1.45 | 348 | 347 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 584,908.77 | 3.02 |
| F05009-F05007 | 8 | 286 | 0.01 | 13.2 | 27,792.23 | 1.45 | 503 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 945,290.77 | 4.88 |
| E15083-E15081 | 8 | 232 | 0.009 | 15.3 | 43,296.77 | 1.45 | 469 | 467 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 856,956.57 | 4.42 |
| D13063-D13061 | 10 | 313 | 0.01 | 11.7 | 41,710.07 | 1.45 | 429 | 426 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,638,335.97 | 5.07 |
| G08015-G08013 | 8 | 291 | 0.007 | 15.8 | 39,829.58 | 1.46 | 439 | 437 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 765,167.14 | 3.95 |
| D10109-D10107 | 8 | 334 | 0.009 | 12.1 | 22,849.07 | 1.46 | 445 | 442 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 874,732.38 | 4.51 |
| E05003-E05001 | 8 | 262 | 0.011 | 17.4 | 22,953.71 | 1.46 | 527 | 524 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 987,637.99 | 5.09 |
| E15081-E15073 | 8 | 228 | 0.009 | 16.9 | 44,043.60 | 1.46 | 467 | 465 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 864,441.05 | 4.46 |
| J06097-J06089 | 8 | 302 | 0.008 | 13.5 | 30,797.17 | 1.46 | 432.81 | 430.33 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 836,392.59 | 4.31 |
| E12153-E12151 | 8 | 402 | 0.01 | 12.1 | 28,800.79 | 1.46 | 426 | 422 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 920,671.66 | 4.75 |
| F06079-F06077 | 8 | 200 | 0.013 | 15.5 | 23,180.18 | 1.46 | 492.69 | 490.13 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,044,221.89 | 5.39 |
| D04043-E04011 | 8 | 294 | 0.014 | 11 | 20,643.38 | 1.46 | 558 | 554 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,076,574.62 | 5.55 |
| D11073-E11123 | 8 | 260 | 0.019 | 7.6 | 14,763.45 | 1.46 | 435 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,279,929.75 | 6.60 |
| D05011-D05009 | 8 | 343 | 0.026 | 6.2 | 8,524.97 | 1.46 | 586 | 577 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,495,071.63 | 7.71 |
| H08019-H08017 | 8 | 26 | 0.038 | 11 | 6,438.50 | 1.46 | 429 | 428 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,810,094.02 | 9.34 |
| J12011-J12009 | 21 | 302 | 0.001 | 28.9 | 791,786.49 | 1.46 | 358.68 | 358.29 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 4,349,053.93 | 2.80 |
| D13043-D13041 | 12 | 275 | 0.004 | 19.9 | 142,743.78 | 1.46 | 441 | 440 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,640,960.59 | 3.17 |
| E06063-E06061 | 8 | 264 | 0.008 | 17.7 | 36,583.44 | 1.46 | 509 | 507 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 803,342.68 | 4.14 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| E01003-E01001 | 8 | 263 | 0.004 | 27.1 | 93,885.24 | 1.46 | 574.39 | 573.34 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 583,182.63 | 3.01 |
| D05129-D05127 | 8 | 294 | 0.024 | 6.8 | 11,543.70 | 1.46 | 573 | 566 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,424,174.36 | 7.35 |
| L14009-L13145 | 8 | 208 | 0.014 | 11.2 | 16,638.89 | 1.46 | 325 | 322 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,108,451.68 | 5.72 |
| D05075-D05073 | 10 | 312 | 0.022 | 6.1 | 16,323.08 | 1.46 | 572 | 565 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,506,606.90 | 7.76 |
| D04089-D04087 | 8 | 207 | 0.029 | 6.2 | 8,198.56 | 1.47 | 606 | 600 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,571,369.28 | 8.10 |
| E11121-E11119 | 10 | 197 | 0.015 | 45.2 | 22,272.36 | 1.47 | 421 | 418 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,065,104.45 | 6.39 |
| C08001-D08065 | 8 | 79 | 0.013 | 12.3 | 33,301.75 | 1.47 | 502 | 501 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,038,422.91 | 5.36 |
| E14009-E14007 | 15 | 324 | 0.003 | 20.1 | 241,221.04 | 1.47 | 447 | 446 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,741,060.96 | 3.53 |
| E15099-E15097 | 8 | 246 | 0.016 | 9.5 | 19,543.31 | 1.47 | 463 | 459 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,176,928.96 | 6.07 |
| C10013-C09001 | 8 | 281 | 0.011 | 13.9 | 19,095.19 | 1.47 | 457 | 454 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 953,663.75 | 4.92 |
| G05105-G05103 | 8 | 258 | 0.008 | 15.8 | 43,751.49 | 1.47 | 495 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 812,630.19 | 4.19 |
| E04009-E05051 | 8 | 333 | 0.009 | 20.4 | 35,999.72 | 1.47 | 549 | 546 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 876,044.80 | 4.52 |
| D05109-D05107 | 8 | 144 | 0.014 | 9 | 17,756.90 | 1.47 | 548 | 546 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,087,731.13 | 5.61 |
| D05087-D05085 | 8 | 252 | 0.033 | 5.1 | 7,287.84 | 1.47 | 602.3 | 594.1 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,664,924.19 | 8.59 |
| D19009-D19003 | 8 | 219 | 0.044 | 5.9 | 8,595.87 | 1.47 | 556.26 | 546.23 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,931,614.84 | 9.96 |
| C07097-C07095 | 8 | 118 | 0.017 | 9.1 | 15,862.13 | 1.47 | 529 | 527 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,201,605.21 | 6.20 |
| D05029-D05027 | 8 | 15 | 0.067 | 2.9 | 2,875.62 | 1.47 | 592 | 591 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,383,099.51 | 12.29 |
| D04045-D04043 | 8 | 290 | 0.017 | 8.8 | 15,465.94 | 1.47 | 563 | 558 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,211,919.60 | 6.25 |
| E01011-E01009 | 8 | 187 | 0.01 | 18.7 | 33,912.98 | 1.47 | 581 | 579.05 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 942,506.40 | 4.86 |
| G03027-G03025 | 8 | 256 | 0.004 | 32.7 | 110,466.26 | 1.47 | 503 | 502 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| F06147-F06145 | 10 | 276 | 0.007 | 12.8 | 50,308.17 | 1.47 | 490 | 488 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,424,541.04 | 4.41 |
| E01001-E02017 | 8 | 288 | 0.004 | 27.1 | 93,477.35 | 1.47 | 573.34 | 572.13 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 598,252.12 | 3.09 |
| C02025-C02023 | 8 | 270 | 0.015 | 10.3 | 20,600.17 | 1.47 | 644 | 640 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,123,403.88 | 5.79 |
| D07125-D07123 | 8 | 246 | 0.012 | 13.5 | 22,032.01 | 1.47 | 485 | 482 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,019,250.38 | 5.26 |
| C06013-C06011 | 8 | 259 | 0.031 | 5.6 | 7,189.06 | 1.47 | 579 | 571 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,622,119.77 | 8.37 |
| E12085-E12083 | 10 | 376 | 0.011 | 10.8 | 41,270.53 | 1.48 | 414 | 410 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,726,038.91 | 5.34 |
| E12063-E12061 | 8 | 131 | 0.008 | 16.8 | 45,480.55 | 1.48 | 412 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 806,403.05 | 4.16 |
| E12061-E12009 | 8 | 144 | 0.007 | 40.8 | 51,387.39 | 1.48 | 411 | 410 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 769,142.06 | 3.97 |
| D06073-D06023 | 8 | 181 | 0.006 | 27.8 | 56,146.97 | 1.48 | 533 | 532 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 686,038.55 | 3.54 |
| C06037-C06035 | 8 | 193 | 0.031 | 7.8 | 7,189.06 | 1.48 | 547 | 541 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,627,364.28 | 8.39 |
| G11021-G11011 | 8 | 325 | 0.009 | 95.8 | 29,406.94 | 1.48 | 378 | 375 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 886,761.35 | 4.57 |
| C02011-C02009 | 8 | 148 | 0.007 | 20 | 61,042.16 | 1.48 | 631 | 630 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 758,677.05 | 3.91 |
| D03015-D03013 | 8 | 99 | 0.01 | 13.4 | 35,529.89 | 1.48 | 597 | 596 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 927,620.23 | 4.78 |
| F07001-F08087 | 8 | 125 | 0.008 | 17.5 | 51,364.18 | 1.48 | 451 | 450 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 825,529.89 | 4.26 |
| D05079-D05077 | 10 | 308 | 0.026 | 5.4 | 14,104.36 | 1.48 | 587 | 579 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,697,019.86 | 8.35 |
| D13059-D13051 | 10 | 112 | 0.009 | 14.4 | 51,695.81 | 1.48 | 424 | 423 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,581,268.05 | 4.89 |
| G13037-G13031 | 8 | 259 | 0.004 | 25.1 | 79,367.01 | 1.48 | 392 | 391 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 573,505.95 | 2.96 |
| G05103-G05101 | 8 | 247 | 0.008 | 16.5 | 44,368.90 | 1.48 | 493 | 491 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 830,528.10 | 4.28 |
| F08021-F08019 | 8 | 191 | 0.005 | 19.9 | 51,661.14 | 1.48 | 438 | 437 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 667,838.00 | 3.44 |
| E03091-E03089 | 8 | 182 | 0.005 | 22.2 | 74,099.17 | 1.48 | 563 | 562 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 684,151.23 | 3.53 |
| F14093-F14091 | 8 | 262 | 0.011 | 12.4 | 31,918.20 | 1.48 | 449 | 446 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 987,637.99 | 5.09 |
| F17023-F17021 | 12 | 200 | 0.005 | 18.1 | 135,065.37 | 1.48 | 525 | 524 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,924,196.85 | 3.72 |
| H10041-H10039 | 8 | 352 | 0.006 | 20.5 | 48,861.07 | 1.49 | 390 | 388 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 695,715.17 | 3.59 |
| F18037-F18035 | 8 | 251 | 0.009 | 16.1 | 39,868.38 | 1.49 | 551 | 549 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 882,024.70 | 4.55 |
| D15013-D15009 | 8 | 229 | 0.026 | 10.4 | 10,532.24 | 1.49 | 485 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,493,983.12 | 7.71 |
| F15055-F14079 | 8 | 252 | 0.016 | 10.6 | 23,026.83 | 1.49 | 454 | 450 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,162,833.49 | 6.00 |
| C04063-C04061 | 8 | 296 | 0.017 | 8.8 | 18,866.96 | 1.49 | 651 | 646 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,199,573.75 | 6.19 |
| K12059-K12057 | 8 | 211 | 0.014 | 9.1 | 18,944.31 | 1.49 | 364 | 361 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,100,543.48 | 5.68 |
| D11023-D11021 | 8 | 269 | 0.004 | 24.7 | 75,505.89 | 1.49 | 466 | 465 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 562,745.03 | 2.90 |
| D15079-D15077 | 8 | 116 | 0.103 | 2.4 | 2,383.52 | 1.49 | 588 | 576 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,968,584.64 | 15.31 |
| H13059-H13051 | 12 | 262 | 0.011 | 6.5 | 24,091.39 | 1.49 | 369 | 366 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,911,886.75 | 5.63 |
| D05035-D05033 | 8 | 326 | 0.018 | 8.6 | 14,236.65 | 1.49 | 579.81 | 574 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,232,159.91 | 6.35 |
| D05127-D05125 | 8 | 91 | 0.022 | 31 | 14,383.18 | 1.49 | 566 | 564 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,368,302.46 | 7.06 |
| D16015-D16013 | 15 | 194 | 0.005 | 13.8 | 145,477.71 | 1.49 | 492 | 491 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,542,340.74 | 4.57 |
| D10049-D10047 | 8 | 155 | 0.019 | 7.6 | 10,547.85 | 1.49 | 469 | 466 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,284,051.92 | 6.62 |
| K10005-K10003 | 15 | 307 | 0.003 | 25.4 | 399,114.23 | 1.49 | 369 | 368 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,815,931.02 | 3.63 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| E12149-E12147 | 8 | 412 | 0.01 | 14.1 | 35,609.37 | 1.49 | 417 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 909,429.83 | 4.69 |
| E18063-E18061 | 8 | 44 | 0.03 | 6.4 | 10,264.54 | 1.49 | 543.1 | 541.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,586,474.68 | 8.18 |
| G14031-G14029 | 10 | 172 | 0.017 | 6.9 | 19,799.48 | 1.49 | 432 | 429 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,210,094.85 | 6.84 |
| E08063-E08059 | 8 | 330 | 0.006 | 28.5 | 54,022.12 | 1.5 | 467 | 465 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 718,531.54 | 3.71 |
| H09031-H09029 | 12 | 401 | 0.007 | 12.6 | 78,379.37 | 1.5 | 418 | 415 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,353,709.93 | 4.55 |
| F01019-F01017 | 8 | 224 | 0.031 | 6.7 | 7,559.43 | 1.5 | 535.9 | 528.92 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,629,264.18 | 8.40 |
| C06043-C06041 | 8 | 376 | 0.029 | 6.4 | 8,455.61 | 1.5 | 555 | 544 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,578,665.90 | 8.14 |
| D02029-D02027 | 8 | 305 | 0.013 | 11.7 | 27,787.50 | 1.5 | 614 | 610 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,056,982.71 | 5.45 |
| F09081-G09033 | 8 | 278 | 0.004 | 29.5 | 104,927.94 | 1.5 | 424 | 423 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 553,560.90 | 2.85 |
| G13059-G13057 | 8 | 352 | 0.006 | 19 | 42,378.03 | 1.5 | 404 | 402 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 695,715.17 | 3.59 |
| C04045-C04043 | 8 | 256 | 0.013 | 10.5 | 24,874.39 | 1.5 | 821.29 | 817.84 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,071,463.48 | 5.53 |
| D14053-D14051 | 8 | 319 | 0.038 | 4.7 | 7,534.27 | 1.5 | 479 | 467 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,790,123.89 | 9.23 |
| C07099-C07097 | 8 | 333 | 0.018 | 7.9 | 15,335.20 | 1.5 | 535 | 529 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,238,914.44 | 6.39 |
| D13087-D13081 | 8 | 67 | 0.015 | 11.8 | 22,417.29 | 1.5 | 442 | 441 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,127,587.90 | 5.82 |
| F08133-F08131 | 8 | 330 | 0.009 | 16.8 | 41,749.73 | 1.5 | 461 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 880,017.82 | 4.54 |
| E06065-E06063 | 8 | 266 | 0.015 | 11.7 | 18,380.97 | 1.5 | 513 | 509 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,131,819.01 | 5.84 |
| F11053-F11043 | 8 | 234 | 0.009 | 15.8 | 26,360.97 | 1.5 | 394 | 392 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 853,286.50 | 4.40 |
| C03041-D03005 | 8 | 322 | 0.019 | 8.3 | 17,753.18 | 1.51 | 634 | 628 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,259,898.32 | 6.50 |
| D16067-D16065 | 8 | 302 | 0.02 | 7.9 | 15,249.95 | 1.51 | 492 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,300,948.07 | 6.71 |
| D05095-D05093 | 8 | 282 | 0.018 | 9.3 | 14,495.45 | 1.51 | 554 | 549 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,228,989.73 | 6.34 |
| F14027-F14025 | 8 | 349 | 0.014 | 8.9 | 15,585.00 | 1.51 | 433 | 428 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,104,740.04 | 5.70 |
| G07081-G07079 | 8 | 397 | 0.013 | 12.2 | 27,625.37 | 1.51 | 451 | 446 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,035,803.93 | 5.34 |
| H09029-H09027 | 12 | 407 | 0.007 | 12.9 | 82,045.54 | 1.51 | 415 | 412 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,336,296.30 | 4.52 |
| H11113-H11105 | 8 | 211 | 0.005 | 26 | 80,748.55 | 1.51 | 369 | 368 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 635,399.08 | 3.28 |
| F10101-F10099 | 8 | 202 | 0.01 | 11.2 | 22,316.11 | 1.51 | 409 | 407 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 918,389.95 | 4.74 |
| D14017-D14015 | 8 | 319 | 0.041 | 4.5 | 6,738.07 | 1.51 | 483 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,863,220.02 | 9.61 |
| F04151-F04149 | 15 | 264 | 0.002 | 32.4 | 487,466.47 | 1.51 | 522 | 521.5 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,147,208.60 | 2.77 |
| K14017-K14015 | 18 | 259 | 0.002 | 27.5 | 499,591.12 | 1.51 | 321 | 320.5 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 3,525,139.51 | 3.03 |
| G14009-G13057 | 8 | 277 | 0.029 | 13.1 | 7,464.48 | 1.51 | 410 | 402 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,568,530.31 | 8.09 |
| E07029-E07027 | 12 | 267 | 0.004 | 17.5 | 110,865.71 | 1.51 | 497.3 | 496.3 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,665,362.83 | 3.22 |
| J12025-J12023 | 30 | 107 | 0.004 | 11.5 | 532,087.91 | 1.51 | 358.49 | 358.09 | Vitrified Clay Pipe-Circular-30 inch | 4.9 | 19,154,726.76 | 6.05 |
| F08013-F08011 | 8 | 252 | 0.005 | 20.6 | 61,459.33 | 1.51 | 435 | 433.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 662,917.09 | 3.42 |
| K15007-K15005 | 12 | 155 | 0.002 | 40.5 | 376,116.79 | 1.51 | 326 | 325.75 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,092,870.37 | 2.11 |
| H12039-H12037 | 8 | 119 | 0.006 | 17.9 | 51,742.64 | 1.51 | 365 | 364.24 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 737,600.36 | 3.80 |
| F11045-F11043 | 8 | 340 | 0.006 | 18.3 | 45,501.62 | 1.51 | 394 | 392 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 707,886.04 | 3.65 |
| E05009-E05003 | 8 | 325 | 0.018 | 9 | 14,271.72 | 1.51 | 533 | 527 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,254,069.92 | 6.47 |
| F14075-F14073 | 8 | 253 | 0.012 | 12.6 | 34,056.71 | 1.51 | 443 | 440 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,005,051.17 | 5.18 |
| G10031-G10027 | 8 | 330 | 0.003 | 31.4 | 108,555.32 | 1.51 | 399 | 398 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 508,078.52 | 2.62 |
| J12073-J12065 | 8 | 324 | 0.006 | 23.8 | 85,165.27 | 1.51 | 364 | 362 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 725,154.09 | 3.74 |
| E18035-E18019 | 8 | 113 | 0.049 | 8.3 | 5,922.72 | 1.51 | 527 | 521.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,036,244.53 | 10.50 |
| C06005-C06003 | 8 | 329 | 0.009 | 19.2 | 33,793.96 | 1.52 | 540 | 537 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 881,354.21 | 4.55 |
| E15045-E15043 | 8 | 105 | 0.005 | 28.4 | 112,442.28 | 1.52 | 458 | 457.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 636,910.14 | 3.28 |
| D02025-D02023 | 8 | 309 | 0.013 | 13.5 | 30,904.53 | 1.52 | 607 | 603 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,050,119.11 | 5.42 |
| C06059-C06057 | 8 | 197 | 0.02 | 7.2 | 13,375.79 | 1.52 | 541 | 537 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,315,178.47 | 6.78 |
| D01023-D02059 | 8 | 212 | 0.019 | 14.1 | 18,106.66 | 1.52 | 613 | 609 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,267,797.45 | 6.54 |
| E07025-E07023 | 12 | 320 | 0.031 | 4.5 | 8,987.16 | 1.52 | 501 | 491 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 4,810,492.13 | 9.30 |
| D07111-D07099 | 8 | 216 | 0.032 | 14.2 | 7,490.98 | 1.52 | 500 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,661,536.75 | 8.57 |
| D10105-D10023 | 8 | 305 | 0.007 | 100 | 40,454.18 | 1.52 | 438 | 436 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 747,399.64 | 3.85 |
| D14001-E14025 | 8 | 186 | 0.011 | 14.1 | 32,020.40 | 1.52 | 457 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 957,075.80 | 4.94 |
| D07127-D07125 | 8 | 254 | 0.016 | 9.4 | 17,917.66 | 1.52 | 489 | 485 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,158,246.36 | 5.97 |
| F14091-F14089 | 8 | 249 | 0.012 | 12.6 | 33,465.17 | 1.52 | 446 | 443 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,013,091.71 | 5.22 |
| D09027-D09017 | 8 | 442 | 0.007 | 31.2 | 37,284.18 | 1.52 | 446 | 443 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 760,391.58 | 3.92 |
| F07101-F07099 | 8 | 260 | 0.004 | 33.8 | 138,610.72 | 1.52 | 478 | 477 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 572,401.99 | 2.95 |
| K14019-K14017 | 18 | 231 | 0.002 | 24.7 | 470,814.50 | 1.52 | 321.5 | 321 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 3,732,675.20 | 3.21 |
| D09039-D09037 | 8 | 207 | 0.002 | 38.2 | 130,257.21 | 1.52 | 447 | 446.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 453,615.24 | 2.34 |
| D11077-D11075 | 8 | 117 | 0.026 | 6.5 | 11,579.08 | 1.52 | 444 | 441 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,477,935.58 | 7.62 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| G13049-G13047 | 8 | 296 | 0.01 | 16.4 | 24,387.57 | 1.52 | 400 | 397 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 929,185.83 | 4.79 |
| J12009-J12007 | 21 | 317 | 0.002 | 28.1 | 791,786.49 | 1.53 | 358.29 | 357.81 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 4,709,306.41 | 3.04 |
| D05009-D05007 | 8 | 281 | 0.021 | 9.9 | 12,702.14 | 1.53 | 577 | 571 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,348,684.21 | 6.96 |
| F10029-F10027 | 24 | 193 | 0.001 | 30.1 | 1,224,098.69 | 1.53 | 415.75 | 415.5 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 6,218,741.48 | 3.10 |
| D10039-D10037 | 8 | 223 | 0.013 | 12.9 | 17,577.19 | 1.53 | 458 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,070,523.00 | 5.52 |
| F12011-F12009 | 12 | 172 | 0.006 | 14.2 | 87,321.36 | 1.53 | 392 | 391 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,074,914.83 | 4.01 |
| G12019-G12007 | 8 | 248 | 0.004 | 30.6 | 110,578.03 | 1.53 | 380.41 | 379.48 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 565,201.68 | 2.91 |
| E15073-E15071 | 8 | 265 | 0.008 | 18.5 | 59,966.65 | 1.53 | 465 | 463 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 801,825.51 | 4.14 |
| E05119-F05067 | 8 | 403 | 0.01 | 14.6 | 34,151.28 | 1.53 | 526 | 522 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 919,528.68 | 4.74 |
| F14087-F14085 | 8 | 261 | 0.011 | 13.8 | 36,168.76 | 1.53 | 440 | 437 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 989,528.21 | 5.10 |
| D05073-D05041 | 10 | 337 | 0.021 | 23 | 19,999.63 | 1.53 | 565 | 558 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,411,840.47 | 7.46 |
| D04005-D04003 | 8 | 329 | 0.015 | 9.9 | 23,350.96 | 1.53 | 608 | 603 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,137,823.40 | 5.87 |
| D16059-D16001 | 8 | 220 | 0.014 | 21.9 | 27,046.28 | 1.53 | 483 | 480 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,077,797.31 | 5.56 |
| E04011-E04009 | 8 | 460 | 0.011 | 13.1 | 31,616.69 | 1.53 | 554 | 549 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 962,263.24 | 4.96 |
| F10019-F10017 | 24 | 294 | 0.001 | 29.7 | 1,224,824.16 | 1.53 | 415 | 414.6 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 6,373,345.81 | 3.18 |
| D12041-E12089 | 8 | 400 | 0.013 | 12.3 | 31,547.46 | 1.53 | 429 | 424 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,031,912.36 | 5.32 |
| E10077-E10075 | 8 | 106 | 0.009 | 13.8 | 25,192.54 | 1.53 | 430 | 429 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 896,468.17 | 4.62 |
| D15081-D15079 | 8 | 124 | 0.121 | 2 | 1,987.82 | 1.53 | 603 | 588 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,210,129.81 | 16.56 |
| E10037-E10035 | 8 | 264 | 0.004 | 24.2 | 73,100.76 | 1.53 | 411 | 410 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 568,049.06 | 2.93 |
| F13031-F13029 | 12 | 363 | 0.006 | 13.6 | 79,931.99 | 1.53 | 401 | 399 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,019,882.86 | 3.91 |
| C06001-D06013 | 8 | 294 | 0.003 | 31.7 | 117,287.68 | 1.53 | 535 | 534 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 538,287.31 | 2.78 |
| F14089-F14087 | 8 | 246 | 0.012 | 12.9 | 35,015.38 | 1.54 | 443 | 440 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,019,250.38 | 5.26 |
| D02097-D02095 | 8 | 131 | 0.015 | 12.2 | 23,769.95 | 1.54 | 613 | 611 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,140,426.12 | 5.88 |
| E16055-E15089 | 8 | 396 | 0.015 | 11.6 | 27,277.14 | 1.54 | 480 | 474 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,136,098.12 | 5.86 |
| E03103-E03101 | 8 | 226 | 0.009 | 17.3 | 45,575.68 | 1.54 | 568 | 566 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 868,257.58 | 4.48 |
| E15049-E15047 | 8 | 15 | 0.005 | 26.6 | 104,583.69 | 1.54 | 461.09 | 461.01 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 674,042.33 | 3.48 |
| D09081-D09079 | 8 | 176 | 0.006 | 18.2 | 47,356.34 | 1.54 | 454 | 453 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 695,715.17 | 3.59 |
| F09087-F09085 | 8 | 379 | 0.005 | 25.8 | 70,306.06 | 1.54 | 427 | 425 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 670,475.94 | 3.46 |
| J11089-J11087 | 8 | 226 | 0.009 | 18.6 | 54,067.46 | 1.54 | 371 | 369 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 868,257.58 | 4.48 |
| G08069-G08067 | 12 | 205 | 0.001 | 58.4 | 671,181.40 | 1.54 | 442 | 441.7 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,040,993.92 | 2.01 |
| L14045-L14043 | 10 | 129 | 0.004 | 69.4 | 862,394.81 | 1.54 | 310.5 | 310 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,041,848.70 | 3.22 |
| J12091-J12089 | 10 | 156 | 0.006 | 19 | 105,568.59 | 1.54 | 359 | 358 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,339,837.75 | 4.15 |
| K11071-K11069 | 8 | 130 | 0.008 | 18.2 | 42,792.06 | 1.55 | 347 | 346 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 809,498.65 | 4.17 |
| E05109-E05025 | 8 | 213 | 0.009 | 13.5 | 34,121.77 | 1.55 | 516 | 514 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 894,361.31 | 4.61 |
| E15089-E15083 | 8 | 402 | 0.012 | 13.9 | 34,282.53 | 1.55 | 474 | 469 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,029,342.21 | 5.31 |
| F09091-F09089 | 8 | 177 | 0.006 | 20.6 | 64,535.20 | 1.55 | 431 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 693,747.09 | 3.58 |
| K15039-K15037 | 12 | 401 | 0.005 | 14.8 | 83,408.72 | 1.55 | 319 | 317 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,921,796.11 | 3.72 |
| F10079-F10077 | 8 | 367 | 0.003 | 36.1 | 125,487.35 | 1.55 | 409 | 408 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 481,786.66 | 2.48 |
| G04093-G04091 | 8 | 325 | 0.003 | 41.3 | 183,360.84 | 1.55 | 499 | 498 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 511,971.90 | 2.64 |
| E02039-E02037 | 8 | 333 | 0.012 | 11 | 26,530.21 | 1.55 | 571.65 | 567.49 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,031,602.43 | 5.32 |
| D01063-E01033 | 8 | 297 | 0.027 | 8.3 | 11,533.27 | 1.55 | 601.16 | 593.17 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,513,850.44 | 7.81 |
| D04097-D04095 | 8 | 127 | 0.008 | 17.2 | 53,028.81 | 1.55 | 594 | 593 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 819,003.86 | 4.22 |
| F15061-F15059 | 8 | 216 | 0.014 | 11.2 | 28,799.39 | 1.55 | 456 | 453 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,087,731.13 | 5.61 |
| G12051-G12049 | 8 | 249 | 0.004 | 27.9 | 99,594.11 | 1.56 | 386 | 385 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 584,908.77 | 3.02 |
| D03011-D03009 | 8 | 351 | 0.011 | 29.2 | 37,599.99 | 1.56 | 590 | 586 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 985,290.38 | 5.08 |
| G12035-G12051 | 8 | 256 | 0.004 | 28.1 | 99,242.05 | 1.56 | 387 | 386 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| D06075-D06073 | 8 | 222 | 0.014 | 14.8 | 23,688.17 | 1.56 | 536 | 533 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,072,931.38 | 5.53 |
| F08117-F08115 | 12 | 249 | 0.004 | 21.1 | 149,031.59 | 1.56 | 454 | 453 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,724,506.46 | 3.34 |
| H10021-H10019 | 8 | 279 | 0.003 | 35.4 | 137,219.96 | 1.56 | 394.86 | 394 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 512,430.45 | 2.64 |
| H05013-H05011 | 12 | 253 | 0.008 | 16.6 | 149,981.81 | 1.56 | 453.26 | 451.14 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,490,991.05 | 4.82 |
| D04011-D04009 | 8 | 256 | 0.02 | 8.5 | 17,874.09 | 1.56 | 620 | 615 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,289,890.45 | 6.65 |
| H11055-H11051 | 8 | 300 | 0.027 | 88.6 | 8,586.34 | 1.56 | 381 | 373 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,507,204.47 | 7.77 |
| F09043-F09041 | 8 | 297 | 0.01 | 12.2 | 29,465.88 | 1.56 | 442 | 439 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 927,620.23 | 4.78 |
| E07075-E08065 | 8 | 267 | 0.015 | 13.8 | 21,143.86 | 1.56 | 472 | 468 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,129,697.51 | 5.83 |
| F14085-F14083 | 8 | 279 | 0.011 | 14.4 | 42,849.00 | 1.56 | 437 | 434 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 957,075.80 | 4.94 |
| E12155-E12153 | 8 | 74 | 0.014 | 11.5 | 26,252.50 | 1.56 | 427 | 426 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,072,931.38 | 5.53 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| E15033-E15031 | 10 | 335 | 0.006 | 22.5 | 119,503.60 | 1.56 | 452 | 450 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,293,025.54 | 4.00 |
| E13099-E13069 | 10 | 389 | 0.008 | 19.2 | 63,078.05 | 1.57 | 425 | 422 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,469,604.03 | 4.55 |
| F14071-F14067 | 10 | 90 | 0.011 | 11.4 | 45,405.04 | 1.57 | 436 | 435 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,763,978.36 | 5.46 |
| E02043-E02041 | 8 | 218 | 0.02 | 9.2 | 15,750.63 | 1.57 | 581.03 | 576.69 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,302,280.16 | 6.72 |
| F04171-F04169 | 8 | 177 | 0.011 | 12.8 | 31,453.27 | 1.57 | 531 | 529 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 981,106.54 | 5.06 |
| J14087-J14085 | 8 | 262 | 0.004 | 31.2 | 120,715.00 | 1.57 | 334 | 333 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 570,213.06 | 2.94 |
| D14021-D14019 | 8 | 149 | 0.074 | 3.4 | 3,971.25 | 1.57 | 510 | 499 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,507,789.13 | 12.93 |
| F19024-F19022 | 8 | 177 | 0.095 | 2.6 | 2,478.30 | 1.57 | 595 | 578.04 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,848,988.72 | 14.69 |
| E01015-E01013 | 8 | 292 | 0.012 | 13.1 | 34,253.80 | 1.57 | 587.4 | 584.02 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 993,012.54 | 5.12 |
| G03067-G03065 | 8 | 307 | 0.01 | 14.7 | 41,472.70 | 1.57 | 511 | 508 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 912,387.33 | 4.71 |
| D08029-D08027 | 8 | 174 | 0.017 | 8.3 | 17,279.48 | 1.57 | 484 | 481 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,211,919.60 | 6.25 |
| K14029-K14027 | 15 | 256 | 0.002 | 34.5 | 460,938.15 | 1.57 | 323 | 322.5 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,180,500.64 | 2.81 |
| F06111-F06109 | 10 | 23 | 0.015 | 13.4 | 36,720.48 | 1.57 | 480.24 | 479.9 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,034,651.58 | 6.30 |
| D02081-D02079 | 8 | 191 | 0.01 | 14.5 | 41,285.61 | 1.57 | 604 | 602 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 944,465.55 | 4.87 |
| E10065-E10063 | 8 | 248 | 0.004 | 28.2 | 84,449.64 | 1.57 | 426 | 425 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 586,086.84 | 3.02 |
| K12005-K12001 | 18 | 282 | 0.004 | 21.5 | 482,582.92 | 1.57 | 362 | 361 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 4,777,675.34 | 4.11 |
| D02079-D02077 | 8 | 300 | 0.01 | 15 | 43,728.32 | 1.57 | 602 | 599 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 922,970.47 | 4.76 |
| E16015-E16013 | 8 | 324 | 0.006 | 23.3 | 86,704.51 | 1.58 | 478 | 476 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 725,154.09 | 3.74 |
| H11117-H11115 | 8 | 346 | 0.006 | 22.6 | 67,037.59 | 1.58 | 372 | 370 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 701,721.46 | 3.62 |
| C02007-C02005 | 8 | 140 | 0.007 | 22.6 | 69,824.65 | 1.58 | 629 | 628 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 780,052.42 | 4.02 |
| L14019-L14017 | 12 | 306 | 0.002 | 74.7 | 998,541.59 | 1.58 | 308 | 307.5 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,099,990.13 | 2.13 |
| D17045-D17031 | 8 | 225 | 0.031 | 6 | 10,506.52 | 1.58 | 534 | 527 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,627,966.89 | 8.40 |
| G09029-G09027 | 8 | 248 | 0.004 | 34.7 | 113,181.79 | 1.58 | 420 | 419 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 586,086.84 | 3.02 |
| F02165-F02163 | 8 | 144 | 0.005 | 25.2 | 82,723.11 | 1.58 | 544.08 | 543.37 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 645,851.96 | 3.33 |
| D04013-D04011 | 8 | 232 | 0.026 | 7.5 | 13,370.46 | 1.58 | 626 | 620 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,484,292.32 | 7.66 |
| E10079-E10049 | 10 | 76 | 0.013 | 19.4 | 22,845.72 | 1.58 | 414 | 413 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,919,586.61 | 5.94 |
| E02003-E02001 | 10 | 198 | 0.003 | 32 | 202,235.12 | 1.58 | 563.44 | 562.83 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 928,852.66 | 2.87 |
| D17027-D17023 | 8 | 227 | 0.026 | 6.7 | 13,222.45 | 1.58 | 520 | 514 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,500,550.11 | 7.74 |
| E14087-E13085 | 8 | 238 | 0.013 | 15.7 | 35,012.13 | 1.58 | 433.13 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,058,452.80 | 5.46 |
| D06029-D06027 | 8 | 172 | 0.006 | 20.9 | 67,409.90 | 1.58 | 544 | 543 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 703,758.39 | 3.63 |
| H10043-H10041 | 8 | 290 | 0.01 | 15.2 | 31,546.39 | 1.58 | 393 | 390 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 938,748.89 | 4.84 |
| E10035-F10079 | 8 | 233 | 0.004 | 29.1 | 73,050.69 | 1.58 | 410 | 409 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 604,658.06 | 3.12 |
| H09023-H09003 | 12 | 281 | 0.007 | 16.4 | 99,005.05 | 1.58 | 407 | 405 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,295,759.21 | 4.44 |
| D15055-D15053 | 8 | 276 | 0.036 | 8.1 | 9,215.94 | 1.58 | 486 | 476 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,756,844.27 | 9.06 |
| D09079-D09077 | 8 | 176 | 0.006 | 18.8 | 53,288.85 | 1.58 | 453 | 452 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 695,715.17 | 3.59 |
| G03065-G03063 | 8 | 301 | 0.01 | 15.1 | 43,674.72 | 1.58 | 508 | 505 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 921,436.02 | 4.75 |
| K15047-K15045 | 8 | 111 | 0.018 | 9 | 16,859.87 | 1.59 | 327 | 325 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,238,914.44 | 6.39 |
| D12009-E12041 | 10 | 311 | 0.002 | 84.2 | 721,867.75 | 1.59 | 420 | 419.5 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 670,995.05 | 2.08 |
| G05111-G05109 | 8 | 199 | 0.02 | 10.3 | 17,107.11 | 1.59 | 487 | 483 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,308,552.84 | 6.75 |
| E03083-E03077 | 10 | 271 | 0.007 | 16.4 | 80,838.29 | 1.59 | 555 | 553 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,437,622.50 | 4.45 |
| F05119-F05017 | 8 | 312 | 0.016 | 47 | 25,026.00 | 1.59 | 492 | 487 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,168,410.66 | 6.03 |
| F15073-F15065 | 8 | 192 | 0.021 | 9.7 | 18,187.11 | 1.59 | 464 | 460 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,332,193.13 | 6.87 |
| F03023-F03021 | 8 | 255 | 0.012 | 13.7 | 33,550.27 | 1.59 | 516 | 513 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,001,102.04 | 5.16 |
| G03063-G03025 | 8 | 310 | 0.01 | 25.5 | 45,875.27 | 1.59 | 505 | 502 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 907,961.82 | 4.68 |
| E12089-E12087 | 8 | 400 | 0.013 | 12.9 | 35,458.77 | 1.59 | 424 | 419 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,031,912.36 | 5.32 |
| F06069-F06067 | 8 | 353 | 0.014 | 14.5 | 31,666.83 | 1.59 | 491 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,098,463.06 | 5.67 |
| C04061-C04023 | 8 | 308 | 0.019 | 12 | 20,649.24 | 1.59 | 646 | 640 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,288,214.18 | 6.64 |
| D03017-D03015 | 8 | 315 | 0.013 | 12.8 | 33,635.26 | 1.6 | 601 | 597 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,040,069.90 | 5.36 |
| F08115-F08113 | 12 | 272 | 0.004 | 27.4 | 179,727.40 | 1.6 | 453 | 452 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,649,985.19 | 3.19 |
| E15043-E15041 | 8 | 91 | 0.005 | 27.6 | 113,985.89 | 1.6 | 457.5 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 684,151.23 | 3.53 |
| E15037-E15035 | 10 | 328 | 0.006 | 22.1 | 115,825.38 | 1.6 | 455 | 453 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,306,750.23 | 4.04 |
| F16027-F16025 | 12 | 155 | 0.006 | 19 | 172,116.95 | 1.6 | 491 | 490 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,185,740.75 | 4.23 |
| C08005-C08003 | 8 | 377 | 0.016 | 12.8 | 31,927.54 | 1.6 | 510 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,164,374.69 | 6.01 |
| D08045-D08043 | 12 | 298 | 0.013 | 9.1 | 53,611.04 | 1.6 | 467 | 463 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,152,726.97 | 6.10 |
| D02069-D02059 | 8 | 251 | 0.02 | 14.2 | 19,604.67 | 1.6 | 614 | 609 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,302,674.61 | 6.72 |
| E03123-E03119 | 8 | 123 | 0.016 | 10.5 | 25,203.54 | 1.6 | 574 | 572 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,176,928.96 | 6.07 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| G04087-G04085 | 12 | 312 | 0.003 | 26.6 | 238,763.09 | 1.6 | 493 | 492 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,540,590.45 | 2.98 |
| E12087-E12085 | 8 | 403 | 0.012 | 13.2 | 37,777.08 | 1.6 | 419 | 414 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,028,064.32 | 5.30 |
| D08065-D08063 | 8 | 368 | 0.016 | 12.6 | 33,513.83 | 1.6 | 501 | 495 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,178,526.96 | 6.08 |
| D13095-D13087 | 8 | 215 | 0.023 | 8.6 | 15,720.00 | 1.6 | 447 | 442 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,407,516.77 | 7.26 |
| H10049-H10047 | 15 | 226 | 0.002 | 27.2 | 376,268.92 | 1.6 | 383.5 | 383 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,320,715.92 | 2.99 |
| D12045-D12043 | 8 | 324 | 0.015 | 10.8 | 27,268.73 | 1.6 | 439 | 434 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,146,569.29 | 5.91 |
| F10025-F10023 | 24 | 98 | 0.002 | 28.8 | 1,222,935.74 | 1.6 | 415.45 | 415.3 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 6,759,954.06 | 3.37 |
| F05057-F05055 | 8 | 341 | 0.006 | 23.2 | 79,947.49 | 1.6 | 513 | 511 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 706,847.32 | 3.65 |
| D02077-D02013 | 8 | 291 | 0.01 | 28.5 | 46,653.48 | 1.61 | 599 | 596 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 937,134.53 | 4.83 |
| F05061-F05057 | 8 | 320 | 0.006 | 22.1 | 73,572.48 | 1.61 | 515 | 513 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 729,672.23 | 3.76 |
| D14045-D14043 | 8 | 247 | 0.012 | 18.2 | 35,760.99 | 1.61 | 447 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,017,185.03 | 5.25 |
| E13019-E13017 | 12 | 252 | 0.002 | 74.6 | 604,704.34 | 1.61 | 423.5 | 423 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,212,130.08 | 2.34 |
| F13037-F13033 | 12 | 267 | 0.007 | 13.2 | 71,144.55 | 1.61 | 403.84 | 402 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,259,008.05 | 4.37 |
| G05051-G05049 | 8 | 5 | 0.2 | 3.2 | 2,210.37 | 1.61 | 481 | 480 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 4,127,649.43 | 21.29 |
| E02015-E02013 | 8 | 312 | 0.003 | 43.3 | 189,956.02 | 1.61 | 571.14 | 570.27 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 487,382.73 | 2.51 |
| L14053-L14051 | 10 | 240 | 0.004 | 96.3 | 926,599.90 | 1.61 | 313 | 312 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,080,211.73 | 3.34 |
| G09039-G09027 | 8 | 233 | 0.004 | 34.2 | 109,324.58 | 1.61 | 420 | 419 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 604,658.06 | 3.12 |
| E16007-E16005 | 15 | 298 | 0.005 | 16.4 | 204,180.17 | 1.62 | 479 | 477.5 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,500,488.84 | 4.51 |
| E02007-E02005 | 10 | 322 | 0.003 | 30.2 | 190,701.95 | 1.62 | 565.61 | 564.55 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 960,150.93 | 2.97 |
| C04049-C04047 | 8 | 300 | 0.015 | 12 | 24,226.06 | 1.62 | 827.12 | 822.48 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,147,852.73 | 5.92 |
| E15021-E15013 | 8 | 274 | 0.007 | 25 | 65,475.22 | 1.62 | 467 | 465 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 788,546.89 | 4.07 |
| G12025-G12023 | 8 | 142 | 0.005 | 27.6 | 103,308.94 | 1.62 | 382 | 381.36 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 619,631.69 | 3.20 |
| C06073-C06059 | 8 | 427 | 0.028 | 6.5 | 10,650.62 | 1.62 | 553 | 541 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,547,264.26 | 7.98 |
| D11039-D11037 | 8 | 96 | 0.034 | 4.7 | 7,061.77 | 1.62 | 496.16 | 492.88 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,706,039.62 | 8.80 |
| F12097-F12095 | 8 | 312 | 0.016 | 46.9 | 32,529.91 | 1.62 | 403 | 398 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,168,410.66 | 6.03 |
| L13151-L13149 | 12 | 119 | 0.002 | 100 | 2,404,566.75 | 1.62 | 324 | 323.8 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,115,593.60 | 2.16 |
| H10051-H10049 | 15 | 182 | 0.003 | 25.6 | 326,228.76 | 1.62 | 384 | 383.5 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,586,071.38 | 3.33 |
| G03035-G03033 | 8 | 157 | 0.013 | 17.9 | 48,001.29 | 1.62 | 509 | 507 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,041,724.74 | 5.37 |
| D06035-D06033 | 8 | 248 | 0.016 | 9.6 | 22,375.66 | 1.62 | 556 | 552 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,172,173.67 | 6.05 |
| D11075-D11073 | 8 | 217 | 0.028 | 7.1 | 13,390.88 | 1.62 | 441 | 435 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,534,735.59 | 7.92 |
| F04181-F04165 | 8 | 63 | 0.016 | 13.9 | 25,175.38 | 1.62 | 527 | 526 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,162,833.49 | 6.00 |
| D02087-D02085 | 8 | 77 | 0.013 | 13.4 | 35,252.15 | 1.62 | 606 | 605 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,051,822.47 | 5.42 |
| C06041-D06015 | 8 | 370 | 0.022 | 7.5 | 15,507.47 | 1.62 | 544 | 536 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,357,162.77 | 7.00 |
| D04083-D04081 | 8 | 202 | 0.02 | 12.5 | 19,042.77 | 1.62 | 590 | 586 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,298,799.52 | 6.70 |
| F12017-F12015 | 12 | 228 | 0.006 | 13.7 | 87,288.67 | 1.62 | 396.7 | 395.24 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,177,576.91 | 4.21 |
| D09091-D09069 | 8 | 217 | 0.014 | 18.9 | 20,446.32 | 1.62 | 445 | 442 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,085,221.95 | 5.60 |
| C06057-C07099 | 8 | 87 | 0.023 | 7.6 | 14,899.55 | 1.63 | 537 | 535 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,399,404.22 | 7.22 |
| F19039-F19032 | 8 | 0 | 0.017 | 10.2 | 25,408.32 | 1.63 | 561.05 | 558.12 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,197,697.09 | 6.18 |
| D11037-D11035 | 8 | 98 | 0.035 | 4.7 | 7,043.14 | 1.63 | 492.88 | 489.43 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,731,746.49 | 8.93 |
| F05067-F05065 | 8 | 335 | 0.009 | 16.1 | 49,077.98 | 1.63 | 522 | 519 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 873,425.83 | 4.50 |
| G11023-G11021 | 8 | 326 | 0.012 | 11.9 | 27,834.05 | 1.63 | 382 | 378 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,022,372.13 | 5.27 |
| H05015-H05013 | 12 | 296 | 0.009 | 16.4 | 149,704.81 | 1.63 | 456 | 453.26 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,618,146.38 | 5.06 |
| C07081-C07079 | 8 | 244 | 0.02 | 9.9 | 21,190.00 | 1.63 | 521 | 516 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,321,228.39 | 6.81 |
| G03025-G03019 | 8 | 256 | 0.004 | 36.1 | 157,287.55 | 1.63 | 502 | 501 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| H10055-H10053 | 15 | 380 | 0.003 | 24.1 | 322,912.66 | 1.63 | 387 | 386 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,531,042.29 | 3.26 |
| H10011-H10055 | 15 | 380 | 0.003 | 24 | 315,623.45 | 1.63 | 388 | 387 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,531,042.29 | 3.26 |
| H05011-H05009 | 12 | 277 | 0.01 | 19.8 | 150,394.40 | 1.63 | 451.14 | 448.48 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,666,646.40 | 5.16 |
| D13047-D13045 | 8 | 160 | 0.019 | 9.4 | 22,910.55 | 1.63 | 448 | 445 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,263,829.37 | 6.52 |
| C09001-D09023 | 8 | 312 | 0.006 | 18.1 | 52,236.69 | 1.63 | 454 | 452 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 738,967.79 | 3.81 |
| D07073-D07071 | 8 | 327 | 0.012 | 13.5 | 30,638.46 | 1.63 | 522 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,020,807.67 | 5.26 |
| L13141-L13139 | 8 | 136 | 0.015 | 12.6 | 24,892.83 | 1.63 | 320 | 318 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,119,266.10 | 5.77 |
| D02031-D02029 | 8 | 294 | 0.017 | 10.7 | 26,386.85 | 1.63 | 619 | 614 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,203,647.02 | 6.21 |
| D12043-D12041 | 8 | 319 | 0.016 | 11.5 | 29,208.66 | 1.63 | 434 | 429 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,155,520.00 | 5.96 |
| D09047-D09045 | 8 | 120 | 0.015 | 16.6 | 19,337.40 | 1.63 | 451.8 | 450 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,130,403.35 | 5.83 |
| D03101-D03099 | 8 | 364 | 0.008 | 36 | 84,245.34 | 1.63 | 595 | 592 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 837,910.71 | 4.32 |
| D05107-D05105 | 8 | 236 | 0.017 | 10 | 20,384.25 | 1.63 | 546 | 542 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,201,605.21 | 6.20 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| D14019-D14017 | 8 | 295 | 0.054 | 4.1 | 5,954.90 | 1.63 | 499 | 483 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,149,496.74 | 11.09 |
| C04065-C03019 | 8 | 283 | 0.035 | 6.9 | 10,544.26 | 1.63 | 666 | 656 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,734,980.47 | 8.95 |
| F10051-F10049 | 12 | 802 | 0.001 | 59.3 | 633,990.90 | 1.63 | 400 | 399 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 960,898.05 | 1.86 |
| J15003-J15001 | 12 | 240 | 0.002 | 36.2 | 347,431.93 | 1.63 | 327 | 326.5 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,242,063.73 | 2.40 |
| J14105-J14103 | 8 | 212 | 0.009 | 14.8 | 39,459.53 | 1.63 | 350 | 348 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 896,468.17 | 4.62 |
| F02167-F02165 | 8 | 99 | 0.005 | 23.8 | 81,460.25 | 1.63 | 544.63 | 544.08 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 681,096.21 | 3.51 |
| H05003-H05001 | 12 | 276 | 0.007 | 18.4 | 171,139.84 | 1.63 | 445 | 443 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,316,460.80 | 4.48 |
| D06045-D06043 | 8 | 319 | 0.019 | 9.4 | 19,491.53 | 1.64 | 556 | 550 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,265,808.74 | 6.53 |
| E14073-E14067 | 6 | 123 | 0.024 | 34.7 | 13,484.57 | 1.64 | 449 | 446 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 669,307.84 | 5.18 |
| D04009-D04007 | 8 | 251 | 0.02 | 8.8 | 20,825.58 | 1.64 | 615 | 610 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,302,674.61 | 6.72 |
| D18009-D18003 | 8 | 147 | 0.036 | 15.1 | 21,423.16 | 1.64 | 519.26 | 514 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,745,910.64 | 9.00 |
| F09041-F09039 | 8 | 337 | 0.012 | 13.1 | 29,427.40 | 1.64 | 439 | 435 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,005,548.11 | 5.19 |
| E14011-E14009 | 15 | 240 | 0.004 | 19.3 | 240,615.57 | 1.64 | 448 | 447 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,184,825.04 | 4.11 |
| F04149-F04147 | 15 | 121 | 0.002 | 30.2 | 487,938.61 | 1.64 | 521.5 | 521.2 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,456,739.69 | 3.17 |
| F08107-F08105 | 12 | 114 | 0.002 | 50.3 | 575,837.88 | 1.64 | 451.7 | 451.5 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,139,795.85 | 2.20 |
| D08037-D08035 | 8 | 241 | 0.004 | 35.1 | 117,681.72 | 1.64 | 474 | 473 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 594,537.55 | 3.07 |
| D10003-D10001 | 12 | 242 | 0.008 | 12 | 50,250.93 | 1.65 | 428 | 426 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,473,841.17 | 4.78 |
| E03077-E03073 | 10 | 265 | 0.008 | 18.7 | 88,355.97 | 1.65 | 553 | 551 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,453,806.38 | 4.50 |
| D07133-D07123 | 8 | 320 | 0.009 | 15.9 | 42,823.49 | 1.65 | 485 | 482 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 893,662.32 | 4.61 |
| K15005-K15003 | 15 | 121 | 0.002 | 31.9 | 406,580.86 | 1.65 | 325.75 | 325.5 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,242,686.24 | 2.89 |
| E12151-E12149 | 8 | 383 | 0.013 | 12.8 | 33,092.84 | 1.65 | 422 | 417 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,054,565.17 | 5.44 |
| D04087-D04085 | 8 | 250 | 0.024 | 7.6 | 15,185.26 | 1.65 | 600 | 594 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,429,859.71 | 7.37 |
| D04093-D04091 | 8 | 110 | 0.009 | 17 | 55,448.41 | 1.65 | 592 | 591 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 880,017.82 | 4.54 |
| K14035-K14033 | 15 | 239 | 0.002 | 33.6 | 454,245.58 | 1.65 | 324 | 323.5 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,256,717.78 | 2.91 |
| F05055-F05053 | 10 | 348 | 0.006 | 19 | 100,408.33 | 1.65 | 511 | 509 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,268,644.33 | 3.93 |
| H05001-H06013 | 12 | 271 | 0.007 | 19.5 | 174,228.44 | 1.65 | 443 | 441 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,337,732.69 | 4.52 |
| D03005-D03003 | 8 | 161 | 0.025 | 7.9 | 18,073.01 | 1.65 | 628 | 624 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,454,805.27 | 7.50 |
| G12089-G12087 | 12 | 299 | 0.003 | 24.6 | 208,506.30 | 1.66 | 376 | 375 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,573,725.22 | 3.04 |
| G15059-G15057 | 8 | 324 | 0.019 | 10.6 | 16,127.03 | 1.66 | 428 | 422 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,256,003.72 | 6.48 |
| H10019-H10017 | 8 | 267 | 0.004 | 34.1 | 137,991.00 | 1.66 | 394 | 393 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 564,848.76 | 2.91 |
| G04083-G04081 | 12 | 269 | 0.004 | 25.7 | 240,753.15 | 1.66 | 490 | 489 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,659,160.34 | 3.21 |
| D09089-D09073 | 10 | 336 | 0.012 | 14.9 | 29,535.60 | 1.66 | 452 | 448 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,825,891.07 | 5.65 |
| G03019-G03013 | 8 | 251 | 0.004 | 37 | 165,712.58 | 1.66 | 501 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 582,573.80 | 3.00 |
| F19053-F19049 | 8 | 233 | 0.033 | 6 | 11,886.66 | 1.66 | 580.82 | 573 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,673,026.06 | 8.63 |
| F14077-F14075 | 8 | 254 | 0.016 | 12.1 | 32,504.00 | 1.66 | 447 | 443 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,158,246.36 | 5.97 |
| D10133-D10003 | 8 | 283 | 0.007 | 17.1 | 49,217.39 | 1.66 | 430 | 428 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 775,906.85 | 4.00 |
| C02023-C02019 | 8 | 264 | 0.015 | 13.1 | 29,779.08 | 1.66 | 640 | 636 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,136,098.12 | 5.86 |
| K15019-K15017 | 10 | 178 | 0.003 | 34.7 | 217,587.34 | 1.66 | 312.39 | 311.92 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 859,910.87 | 2.66 |
| E02041-E02039 | 8 | 348 | 0.014 | 10.9 | 26,685.89 | 1.66 | 576.69 | 571.65 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,110,742.66 | 5.73 |
| K15037-K15035 | 12 | 382 | 0.005 | 19.2 | 101,156.78 | 1.66 | 317 | 315 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,969,009.51 | 3.81 |
| F20020-F19013 | 8 | 141 | 0.017 | 10.4 | 26,827.89 | 1.66 | 594.98 | 588 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,187,023.43 | 6.12 |
| E03087-E03085 | 8 | 258 | 0.008 | 20.5 | 74,440.61 | 1.66 | 561 | 559 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 812,630.19 | 4.19 |
| J11085-J11079 | 8 | 232 | 0.009 | 22 | 74,536.32 | 1.67 | 368 | 366 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 856,956.57 | 4.42 |
| L14065-L14063 | 8 | 168 | 0.005 | 25.4 | 79,006.35 | 1.67 | 311.87 | 311 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 664,190.70 | 3.43 |
| F19045-F19041 | 8 | 187 | 0.024 | 8.5 | 17,836.99 | 1.67 | 569.91 | 565.41 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,431,770.01 | 7.38 |
| G15035-G14085 | 8 | 308 | 0.013 | 15.8 | 44,973.69 | 1.67 | 421.31 | 417.18 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,068,777.92 | 5.51 |
| H10017-H10015 | 8 | 267 | 0.004 | 34.6 | 144,863.13 | 1.67 | 393 | 392 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 564,848.76 | 2.91 |
| E08049-E08047 | 15 | 327 | 0.003 | 20.6 | 254,534.43 | 1.67 | 462 | 461 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,728,458.31 | 3.52 |
| D13049-D13033 | 10 | 81 | 0.012 | 34.8 | 54,802.81 | 1.67 | 422 | 421 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,859,396.46 | 5.75 |
| D10087-D10083 | 8 | 312 | 0.014 | 10.1 | 22,688.82 | 1.67 | 483.35 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,089,820.92 | 5.62 |
| H09025-H09023 | 12 | 122 | 0.008 | 13.9 | 99,220.92 | 1.67 | 408 | 407 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,463,681.62 | 4.76 |
| G11025-G11023 | 8 | 73 | 0.014 | 11.1 | 26,767.38 | 1.67 | 383 | 382 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,080,255.23 | 5.57 |
| F10027-F10025 | 24 | 29 | 0.002 | 28.4 | 1,223,079.20 | 1.67 | 415.5 | 415.45 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 7,174,591.13 | 3.58 |
| E15041-E15039 | 8 | 236 | 0.006 | 26.6 | 114,345.05 | 1.68 | 457 | 455.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 735,829.91 | 3.79 |
| E16027-E16025 | 8 | 268 | 0.011 | 16.3 | 56,137.92 | 1.68 | 491 | 488 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 976,519.76 | 5.04 |
| D16049-D16011 | 8 | 110 | 0.109 | 15.8 | 2,777.06 | 1.68 | 501 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,048,471.14 | 15.72 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| F17013-F17027 | 12 | 343 | 0.007 | 18.5 | 163,342.78 | 1.68 | 514.23 | 512 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,194,167.96 | 4.24 |
| F07015-F07001 | 8 | 81 | 0.012 | 15.8 | 47,325.74 | 1.68 | 452 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,025,522.75 | 5.29 |
| F06127-F06125 | 8 | 41 | 0.012 | 15.6 | 36,313.26 | 1.68 | 487 | 486.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,019,250.38 | 5.26 |
| H12067-H12065 | 8 | 240 | 0.013 | 13.8 | 29,803.85 | 1.68 | 375 | 372 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,031,912.36 | 5.32 |
| E03051-E03049 | 8 | 262 | 0.011 | 17.7 | 44,477.11 | 1.69 | 569 | 566 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 987,637.99 | 5.09 |
| J14053-J14051 | 8 | 105 | 0.01 | 25.9 | 45,077.26 | 1.69 | 332 | 331 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 900,726.95 | 4.65 |
| F15139-F15137 | 8 | 181 | 0.21 | 2.9 | 1,590.25 | 1.69 | 497 | 459 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 4,229,025.64 | 21.81 |
| D01001-D02053 | 10 | 315 | 0.003 | 36.6 | 239,164.29 | 1.69 | 604 | 603 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 942,886.10 | 2.92 |
| G03013-G04093 | 8 | 248 | 0.004 | 39.4 | 174,939.16 | 1.69 | 500 | 499 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 586,086.84 | 3.02 |
| G11045-G11009 | 8 | 303 | 0.023 | 100 | 13,999.48 | 1.69 | 381 | 374 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,402,863.81 | 7.24 |
| G05107-G05105 | 8 | 254 | 0.012 | 14.9 | 42,306.49 | 1.69 | 498 | 495 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,003,070.77 | 5.17 |
| G15055-G15053 | 8 | 174 | 0.098 | 100 | 2,160.98 | 1.69 | 432 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,884,945.70 | 14.88 |
| J14103-J14101 | 8 | 217 | 0.009 | 15.4 | 45,584.46 | 1.69 | 348 | 346 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 886,080.01 | 4.57 |
| E13069-E13067 | 10 | 583 | 0.005 | 27.2 | 154,882.43 | 1.69 | 422 | 419 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,200,441.11 | 3.71 |
| J14037-J14021 | 8 | 65 | 0.015 | 20.7 | 25,521.83 | 1.69 | 340 | 339 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,144,803.98 | 5.90 |
| F13029-F12017 | 12 | 303 | 0.008 | 13.1 | 80,098.97 | 1.69 | 399 | 396.7 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,370,866.51 | 4.59 |
| H08001-H09031 | 12 | 393 | 0.01 | 12.1 | 78,961.51 | 1.69 | 422 | 418 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,745,353.15 | 5.31 |
| E03089-E03087 | 8 | 123 | 0.008 | 20.3 | 73,901.86 | 1.69 | 562 | 561 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 832,214.45 | 4.29 |
| E12041-E12039 | 10 | 252 | 0.002 | 79.5 | 723,899.56 | 1.69 | 419.5 | 419 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 745,416.91 | 2.31 |
| D09037-D09035 | 8 | 178 | 0.003 | 39.7 | 162,008.95 | 1.7 | 446.5 | 446 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 489,173.37 | 2.52 |
| D10111-D10021 | 12 | 323 | 0.002 | 100 | 357,118.12 | 1.7 | 435 | 434.43 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,143,143.27 | 2.21 |
| D03003-D03001 | 8 | 269 | 0.026 | 11 | 18,779.28 | 1.7 | 624 | 617 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,488,883.40 | 7.68 |
| G15077-G15075 | 8 | 395 | 0.068 | 3.3 | 3,241.46 | 1.7 | 474 | 447 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,413,076.78 | 12.45 |
| F14067-F14065 | 10 | 167 | 0.012 | 11.8 | 54,408.48 | 1.7 | 435 | 433 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,831,349.65 | 5.67 |
| G13077-G12095 | 10 | 309 | 0.003 | 31 | 198,707.54 | 1.7 | 380 | 379 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 951,996.32 | 2.95 |
| J14013-J15009 | 12 | 250 | 0.004 | 21 | 166,105.07 | 1.7 | 331 | 330 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,721,053.99 | 3.33 |
| E14075-E14073 | 6 | 226 | 0.027 | 9.8 | 13,505.74 | 1.7 | 455 | 449 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 698,295.51 | 5.40 |
| D05093-D06117 | 8 | 281 | 0.014 | 11.1 | 27,439.91 | 1.7 | 549 | 545 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,101,196.04 | 5.68 |
| F04161-F04145 | 8 | 232 | 0.009 | 32.8 | 62,995.62 | 1.7 | 522 | 520 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 856,956.57 | 4.42 |
| F19030-F19015 | 8 | 157 | 0.018 | 13 | 28,929.33 | 1.7 | 555.34 | 552.57 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,225,964.42 | 6.32 |
| F19055-F19053 | 8 | 273 | 0.06 | 4.9 | 6,240.27 | 1.7 | 597.5 | 580.82 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,264,883.91 | 11.68 |
| F18005-F18003 | 8 | 171 | 0.006 | 29.7 | 135,362.41 | 1.7 | 530 | 529 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 705,813.16 | 3.64 |
| G05095-G05093 | 12 | 322 | 0.003 | 31.9 | 333,435.00 | 1.7 | 482 | 481 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,516,479.56 | 2.93 |
| G06005-G06003 | 24 | 263 | 0.001 | 55.8 | 3,064,482.72 | 1.71 | 464.11 | 463.88 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 5,109,721.11 | 2.55 |
| D17021-D17019 | 12 | 187 | 0.011 | 12.9 | 100,355.34 | 1.71 | 510 | 508 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,814,224.20 | 5.44 |
| D10001-E10059 | 12 | 355 | 0.006 | 16.5 | 87,042.49 | 1.71 | 426 | 424 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,042,515.30 | 3.95 |
| J11035-J11031 | 15 | 245 | 0.002 | 33.5 | 539,561.28 | 1.71 | 377 | 376.5 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,228,913.22 | 2.87 |
| F05051-F05043 | 10 | 145 | 0.007 | 39.6 | 99,851.19 | 1.71 | 506 | 505 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,389,730.24 | 4.30 |
| D05019-D05017 | 8 | 259 | 0.027 | 9 | 14,033.08 | 1.71 | 583 | 576 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,517,354.11 | 7.83 |
| K13061-K13059 | 12 | 339 | 0.003 | 25.7 | 213,327.66 | 1.71 | 337 | 336 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,477,966.70 | 2.86 |
| E04105-E04097 | 10 | 265 | 0.008 | 17.9 | 101,982.80 | 1.71 | 550 | 548 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,453,806.38 | 4.50 |
| E07013-E07011 | 12 | 248 | 0.008 | 11.7 | 71,434.22 | 1.71 | 481 | 479 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,443,732.45 | 4.73 |
| D14013-D13047 | 8 | 302 | 0.04 | 7.4 | 10,690.61 | 1.71 | 460 | 448 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,839,818.40 | 9.49 |
| J07131-J07129 | 8 | 42 | 0.056 | 10.8 | 7,038.54 | 1.71 | 418.74 | 416.37 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,192,488.56 | 11.31 |
| J14051-J14049 | 8 | 264 | 0.004 | 36.8 | 164,002.88 | 1.71 | 331 | 330 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 568,049.06 | 2.93 |
| D07117-D07113 | 8 | 322 | 0.006 | 23.5 | 83,913.67 | 1.71 | 477 | 475 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 727,402.63 | 3.75 |
| E16025-E16023 | 8 | 255 | 0.012 | 16.2 | 57,275.49 | 1.71 | 488 | 485 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,001,102.04 | 5.16 |
| D08049-D08047 | 12 | 240 | 0.017 | 9.1 | 51,526.96 | 1.71 | 474 | 470 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,513,086.74 | 6.79 |
| D06127-D06125 | 8 | 210 | 0.019 | 13.1 | 20,968.38 | 1.71 | 532 | 528 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,273,820.27 | 6.57 |
| E07011-E07009 | 12 | 234 | 0.009 | 11.5 | 70,822.93 | 1.71 | 479 | 477 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,515,773.67 | 4.87 |
| F19032-F19030 | 8 | 157 | 0.018 | 10.5 | 28,156.32 | 1.71 | 558.12 | 555.34 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,244,126.35 | 6.42 |
| D10047-D10045 | 8 | 287 | 0.017 | 10.2 | 19,305.59 | 1.71 | 466 | 461 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,218,237.21 | 6.28 |
| D14003-D14001 | 8 | 41 | 0.024 | 10.2 | 18,256.45 | 1.72 | 458 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,441,437.71 | 7.43 |
| D09029-D09027 | 8 | 195 | 0.01 | 14 | 33,923.69 | 1.72 | 448 | 446 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 934,728.53 | 4.82 |
| G12023-G12021 | 8 | 179 | 0.005 | 46.2 | 104,807.77 | 1.72 | 381.36 | 380.4 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 675,922.51 | 3.49 |
| D07145-D07143 | 12 | 308 | 0.006 | 13.5 | 85,555.37 | 1.72 | 503 | 501 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,192,825.83 | 4.24 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| D01003-D01001 | 10 | 310 | 0.003 | 34.3 | 239,616.96 | 1.72 | 605 | 604 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 950,459.60 | 2.94 |
| F06109-F07099 | 10 | 387 | 0.007 | 22.4 | 96,215.52 | 1.72 | 479.9 | 477 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,448,631.84 | 4.48 |
| D08043-D08041 | 12 | 251 | 0.016 | 9.7 | 55,780.80 | 1.72 | 463 | 459 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,435,244.34 | 6.64 |
| F18051-F18049 | 8 | 209 | 0.098 | 2.9 | 3,572.55 | 1.72 | 594.18 | 573.4 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,889,632.73 | 14.90 |
| F15107-F15105 | 8 | 270 | 0.022 | 11 | 22,900.92 | 1.72 | 475 | 469 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,375,883.14 | 7.10 |
| F10015-F10013 | 24 | 254 | 0.002 | 30.9 | 1,226,412.64 | 1.72 | 414.5 | 414 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 7,666,185.03 | 3.83 |
| D11035-D11033 | 8 | 87 | 0.043 | 4.4 | 7,024.50 | 1.73 | 489.43 | 485.72 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,905,965.94 | 9.83 |
| D08059-D08057 | 8 | 222 | 0.018 | 12.8 | 37,966.07 | 1.73 | 490 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,238,914.44 | 6.39 |
| C06023-C06021 | 8 | 262 | 0.046 | 6.4 | 7,189.06 | 1.73 | 566 | 554 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,975,275.99 | 10.19 |
| C06051-D06071 | 8 | 248 | 0.016 | 10.8 | 26,801.86 | 1.73 | 583 | 579 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,172,173.67 | 6.05 |
| L14047-L14045 | 10 | 94 | 0.005 | 65.9 | 867,905.59 | 1.73 | 311 | 310.5 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,220,493.82 | 3.78 |
| G03033-G03031 | 8 | 250 | 0.008 | 24.1 | 82,492.56 | 1.73 | 507 | 505 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 825,529.89 | 4.26 |
| D17019-D17017 | 15 | 319 | 0.013 | 9.3 | 100,302.64 | 1.73 | 508 | 504 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,524,918.21 | 7.12 |
| H13051-H12035 | 12 | 263 | 0.015 | 8.4 | 29,270.92 | 1.73 | 366 | 362 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,355,958.79 | 6.49 |
| D14087-D14085 | 8 | 68 | 0.015 | 13.2 | 33,304.45 | 1.73 | 452 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,119,266.10 | 5.77 |
| J14113-J14111 | 8 | 91 | 0.022 | 10.8 | 17,308.10 | 1.73 | 355 | 353 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,368,302.46 | 7.06 |
| D11031-D11029 | 8 | 83 | 0.045 | 5.9 | 6,980.50 | 1.73 | 478.45 | 474.72 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,956,605.08 | 10.09 |
| D11033-D11031 | 8 | 166 | 0.044 | 4.4 | 7,009.22 | 1.73 | 485.72 | 478.45 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,931,527.82 | 9.96 |
| D16003-D16001 | 15 | 274 | 0.007 | 15.7 | 172,376.70 | 1.73 | 482 | 480 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,215,323.56 | 5.44 |
| D04103-D04101 | 8 | 239 | 0.017 | 12.2 | 33,442.20 | 1.73 | 606 | 602 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,194,039.94 | 6.16 |
| F15059-F14093 | 8 | 213 | 0.019 | 11.5 | 29,959.33 | 1.74 | 453 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,264,817.89 | 6.52 |
| H12005-H12003 | 21 | 323 | 0.003 | 27.8 | 815,870.22 | 1.74 | 362 | 361.15 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 6,208,320.98 | 4.00 |
| D14071-D14069 | 8 | 309 | 0.071 | 4.2 | 5,029.64 | 1.74 | 488 | 466 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,462,747.62 | 12.70 |
| E13067-E13065 | 10 | 241 | 0.004 | 30.1 | 212,506.84 | 1.74 | 419 | 418 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,077,968.29 | 3.34 |
| D07137-D07135 | 8 | 338 | 0.015 | 11.5 | 28,501.53 | 1.74 | 495 | 490 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,122,572.66 | 5.79 |
| F08083-G08081 | 12 | 358 | 0.002 | 52.3 | 654,216.96 | 1.74 | 446 | 445.29 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,211,859.19 | 2.34 |
| F02098-F02097 | 8 | 262 | 0.004 | 38.7 | 180,715.36 | 1.74 | 533 | 532 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 570,213.06 | 2.94 |
| E07009-E07007 | 12 | 109 | 0.009 | 11.3 | 70,283.41 | 1.74 | 477 | 476 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,606,461.11 | 5.04 |
| D09093-D09065 | 8 | 152 | 0.007 | 29.5 | 61,737.64 | 1.74 | 438 | 437 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 748,627.91 | 3.86 |
| E04085-E04083 | 8 | 140 | 0.007 | 23 | 90,342.62 | 1.74 | 559 | 558 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 780,052.42 | 4.02 |
| F18049-F18043 | 8 | 209 | 0.088 | 3.5 | 4,760.37 | 1.74 | 573.4 | 555 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,738,568.29 | 14.12 |
| F06145-F06141 | 10 | 266 | 0.011 | 12.2 | 56,540.83 | 1.74 | 488 | 485 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,777,191.87 | 5.50 |
| F04163-F04161 | 8 | 217 | 0.009 | 18.1 | 61,984.27 | 1.74 | 524 | 522 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 886,080.01 | 4.57 |
| F14083-F14081 | 8 | 279 | 0.014 | 25.4 | 44,785.30 | 1.75 | 434 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,105,135.94 | 5.70 |
| F05081-F05079 | 8 | 260 | 0.027 | 11.8 | 16,370.10 | 1.75 | 516 | 509 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,514,433.31 | 7.81 |
| D14043-D14041 | 10 | 146 | 0.007 | 20.2 | 108,151.12 | 1.75 | 444 | 443 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,384,962.71 | 4.29 |
| K15001-K14051 | 15 | 195 | 0.003 | 28 | 425,873.23 | 1.75 | 325 | 324.5 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,498,382.31 | 3.22 |
| K14051-K14035 | 15 | 195 | 0.003 | 29.3 | 431,616.62 | 1.75 | 324.5 | 324 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,498,382.31 | 3.22 |
| F04165-F04163 | 8 | 215 | 0.009 | 17.8 | 60,970.02 | 1.75 | 526 | 524 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 890,191.77 | 4.59 |
| G14047-G14045 | 8 | 297 | 0.013 | 15.9 | 25,492.93 | 1.75 | 405 | 401 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,071,123.58 | 5.52 |
| H10047-H10045 | 15 | 341 | 0.003 | 26.4 | 376,397.16 | 1.75 | 383 | 382 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,671,861.92 | 3.44 |
| G08065-G08061 | 12 | 243 | 0.002 | 53.6 | 693,012.81 | 1.75 | 441.5 | 441 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,234,372.86 | 2.39 |
| F08031-F08029 | 8 | 78 | 0.01 | 16.4 | 40,745.69 | 1.75 | 439 | 438.2 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 934,728.53 | 4.82 |
| H08003-H08001 | 12 | 402 | 0.012 | 11.3 | 74,918.06 | 1.75 | 426.73 | 422 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,951,766.79 | 5.71 |
| F13045-F13043 | 12 | 258 | 0.012 | 10.3 | 56,050.41 | 1.75 | 409 | 406 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,934,372.69 | 5.68 |
| F18053-F18051 | 8 | 179 | 0.12 | 2.4 | 2,780.79 | 1.75 | 615.77 | 594.18 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,196,523.31 | 16.49 |
| E07021-E07019 | 12 | 381 | 0.008 | 12 | 73,795.02 | 1.75 | 490 | 487 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,414,696.97 | 4.67 |
| F14057-F14055 | 15 | 304 | 0.006 | 17.3 | 249,070.41 | 1.76 | 429 | 427.2 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,796,563.43 | 4.90 |
| E05103-E05101 | 8 | 261 | 0.004 | 39.2 | 186,112.63 | 1.76 | 536 | 535 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 571,304.38 | 2.95 |
| E03249-E03247 | 10 | 284 | 0.003 | 38 | 256,285.01 | 1.76 | 562.12 | 561.18 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 962,762.72 | 2.98 |
| F10017-F10015 | 24 | 48 | 0.002 | 26.8 | 1,224,510.20 | 1.76 | 414.6 | 414.5 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 7,886,613.07 | 3.94 |
| D02053-D02051 | 10 | 323 | 0.003 | 38.8 | 296,401.93 | 1.76 | 603 | 602 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 931,136.28 | 2.88 |
| D17049-D17047 | 8 | 240 | 0.041 | 5.4 | 10,533.34 | 1.76 | 550.67 | 540.87 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,865,070.38 | 9.62 |
| D04085-D04083 | 8 | 159 | 0.025 | 8.1 | 18,445.09 | 1.76 | 594 | 590 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,463,926.39 | 7.55 |
| C06015-C06003 | 8 | 294 | 0.007 | 23.4 | 78,373.44 | 1.76 | 539 | 537 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 761,253.22 | 3.93 |
| E05001-E06017 | 8 | 333 | 0.006 | 24.3 | 92,648.72 | 1.76 | 524 | 522 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 715,287.59 | 3.69 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| F02097-F03145 | 8 | 262 | 0.004 | 42 | 180,071.92 | 1.76 | 532 | 531 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 589,664.20 | 3.04 |
| D05017-D05007 | 8 | 331 | 0.015 | 12 | 29,423.96 | 1.76 | 576 | 571 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,134,380.66 | 5.85 |
| J12007-J12005 | 33 | 383 | 0.002 | 18.1 | 1,323,662.10 | 1.76 | 357.81 | 357 | Vitrified Clay Pipe-Circular-33 inch | 5.9 | 18,576,396.44 | 4.87 |
| D10045-D10043 | 8 | 231 | 0.013 | 12.1 | 29,735.07 | 1.77 | 461 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,051,822.47 | 5.42 |
| E16039-E16021 | 8 | 39 | 0.026 | 13.1 | 19,460.05 | 1.77 | 481 | 480 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,477,935.58 | 7.62 |
| E16001-E15017 | 15 | 326 | 0.006 | 16.3 | 223,648.70 | 1.77 | 474 | 472 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,864,536.35 | 4.98 |
| D06043-D06029 | 8 | 331 | 0.018 | 15.5 | 26,448.66 | 1.77 | 550 | 544 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,242,651.75 | 6.41 |
| E15003-E15001 | 15 | 236 | 0.004 | 21.7 | 330,510.10 | 1.77 | 456 | 455 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,211,701.67 | 4.14 |
| E07017-E07015 | 12 | 232 | 0.009 | 11.6 | 72,103.63 | 1.77 | 484 | 482 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,526,594.25 | 4.89 |
| J14029-J14027 | 8 | 220 | 0.005 | 30.4 | 124,764.20 | 1.77 | 346 | 345 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 622,266.57 | 3.21 |
| H10045-J10011 | 15 | 377 | 0.003 | 45.9 | 416,100.24 | 1.77 | 382 | 381 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,541,092.79 | 3.28 |
| F19009-F19007 | 12 | 300 | 0.015 | 8.7 | 48,092.93 | 1.77 | 563.29 | 558.85 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,305,009.68 | 6.39 |
| K12025-K12023 | 15 | 355 | 0.001 | 48.1 | 797,327.02 | 1.77 | 338 | 337.5 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 1,851,663.33 | 2.39 |
| D17031-D17027 | 8 | 186 | 0.038 | 6.4 | 13,235.93 | 1.77 | 527 | 520 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,790,524.86 | 9.23 |
| L13149-L13147 | 12 | 363 | 0.002 | 100 | 2,388,073.00 | 1.78 | 323.8 | 323 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,277,486.09 | 2.47 |
| F20030-F20028 | 8 | 248.7 | 0.043 | 5.3 | 10,205.80 | 1.78 | 689.37 | 675.45 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,913,087.88 | 9.87 |
| G13089-G13087 | 10 | 174 | 0.004 | 27.4 | 173,625.97 | 1.78 | 385 | 384.3 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,061,424.00 | 3.28 |
| C06053-C06051 | 8 | 264 | 0.019 | 10 | 24,166.32 | 1.78 | 588 | 583 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,270,196.31 | 6.55 |
| G14043-G13099 | 8 | 291 | 0.007 | 23.5 | 92,156.64 | 1.78 | 398 | 396 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 765,167.14 | 3.95 |
| E02037-E02001 | 8 | 241 | 0.019 | 25.2 | 26,378.62 | 1.78 | 567.49 | 562.83 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,283,430.17 | 6.62 |
| C06093-C06073 | 8 | 291 | 0.048 | 5.2 | 7,809.22 | 1.78 | 567 | 553 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,024,441.96 | 10.44 |
| C05029-C05027 | 8 | 338 | 0.059 | 3.5 | 5,084.83 | 1.78 | 691 | 671 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,245,145.31 | 11.58 |
| F17025-F17023 | 12 | 245 | 0.008 | 16.9 | 135,150.47 | 1.78 | 527 | 525 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,458,648.55 | 4.76 |
| K11029-K11027 | 15 | 329 | 0.002 | 39 | 616,631.02 | 1.78 | 348 | 347.5 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 1,923,438.27 | 2.48 |
| G15075-G15073 | 8 | 325 | 0.052 | 4.5 | 5,856.80 | 1.78 | 447 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,110,914.23 | 10.89 |
| D17047-D17045 | 8 | 157 | 0.044 | 5.5 | 10,516.75 | 1.78 | 540.87 | 534 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,930,706.90 | 9.96 |
| G07049-G07047 | 24 | 379 | 0.001 | 52.6 | 3,054,384.95 | 1.78 | 463.08 | 462.68 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 5,613,342.53 | 2.80 |
| D06135-E06023 | 8 | 278 | 0.011 | 16.7 | 46,599.98 | 1.79 | 516 | 513 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 958,795.61 | 4.94 |
| F14073-F14071 | 10 | 242 | 0.017 | 10.5 | 45,050.04 | 1.79 | 440 | 436 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,151,477.56 | 6.66 |
| K11027-K11025 | 15 | 324 | 0.002 | 39.1 | 625,424.93 | 1.79 | 347.5 | 347 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 1,938,222.79 | 2.50 |
| D15075-D15073 | 8 | 192 | 0.063 | 4 | 6,752.69 | 1.79 | 562 | 550 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,307,426.18 | 11.90 |
| K13055-K13053 | 12 | 341 | 0.003 | 28.4 | 259,742.57 | 1.79 | 332 | 331 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,473,626.11 | 2.85 |
| E03119-E03103 | 8 | 215 | 0.019 | 13.2 | 31,028.05 | 1.79 | 572 | 568 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,258,921.27 | 6.49 |
| D05111-D05103 | 8 | 243 | 0.016 | 12 | 28,121.26 | 1.79 | 544 | 540 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,184,171.67 | 6.11 |
| E15071-E15059 | 8 | 259 | 0.012 | 17.6 | 62,793.67 | 1.79 | 463 | 460 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 993,341.44 | 5.12 |
| F10097-F10067 | 8 | 286 | 0.01 | 44.7 | 38,575.70 | 1.79 | 404 | 401 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 945,290.77 | 4.88 |
| D11003-D11001 | 8 | 293 | 0.003 | 36.4 | 152,006.76 | 1.79 | 443 | 442 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 539,205.11 | 2.78 |
| K15017-K14103 | 10 | 254 | 0.003 | 38 | 242,561.56 | 1.79 | 311.92 | 311.16 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 915,386.38 | 2.83 |
| D14055-D14053 | 8 | 160 | 0.075 | 4.1 | 5,551.83 | 1.79 | 491 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,527,658.74 | 13.04 |
| C11015-C11013 | 8 | 193 | 0.047 | 5.2 | 7,061.77 | 1.8 | 522 | 513 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,993,106.05 | 10.28 |
| G08007-G09053 | 8 | 281 | 0.007 | 21.8 | 80,809.88 | 1.8 | 432 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 778,663.19 | 4.02 |
| D10085-D10083 | 8 | 103 | 0.039 | 7.6 | 8,827.22 | 1.8 | 483 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,818,859.66 | 9.38 |
| J10011-J10009 | 15 | 370 | 0.003 | 100 | 431,719.94 | 1.8 | 381 | 380 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,565,017.53 | 3.31 |
| F19057-F19055 | 8 | 300 | 0.075 | 3.7 | 5,455.57 | 1.8 | 620.29 | 597.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,535,458.45 | 13.08 |
| C06011-C06009 | 8 | 304 | 0.033 | 7.1 | 12,851.87 | 1.8 | 571 | 561 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,673,982.89 | 8.63 |
| D13045-D13043 | 8 | 171 | 0.023 | 19.6 | 24,878.78 | 1.8 | 445 | 441 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,411,626.32 | 7.28 |
| K11031-K11029 | 15 | 328 | 0.002 | 39.1 | 622,484.70 | 1.8 | 348.5 | 348 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 1,926,368.11 | 2.48 |
| E15053-E15051 | 8 | 319 | 0.009 | 21.6 | 89,980.81 | 1.8 | 468 | 465 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 895,061.95 | 4.62 |
| F12069-F12067 | 24 | 271 | 0.001 | 41.1 | 2,228,175.87 | 1.8 | 395.36 | 395 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 6,297,638.94 | 3.14 |
| J15001-K15007 | 12 | 177 | 0.003 | 36.9 | 346,529.21 | 1.8 | 326.5 | 326 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,446,314.92 | 2.80 |
| G14025-G14023 | 12 | 301 | 0.017 | 9.1 | 40,166.12 | 1.8 | 421 | 416 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,507,246.19 | 6.78 |
| C11009-C11007 | 8 | 121 | 0.008 | 16.9 | 52,067.75 | 1.8 | 557 | 556 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 839,064.07 | 4.33 |
| E03085-E03083 | 8 | 406 | 0.01 | 19.8 | 76,155.59 | 1.8 | 559 | 555 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 916,125.11 | 4.72 |
| F04196-F04195 | 8 | 202 | 0.105 | 4 | 3,188.74 | 1.8 | 550.07 | 528.84 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,984,796.90 | 15.39 |
| G08011-G08007 | 8 | 251 | 0.008 | 20.7 | 70,178.41 | 1.81 | 434 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 823,883.76 | 4.25 |
| D07135-D07133 | 8 | 340 | 0.015 | 13.4 | 33,872.23 | 1.81 | 490 | 485 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,119,266.10 | 5.77 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| H06069-J06097 | 8 | 298 | 0.015 | 12.3 | 31,354.37 | 1.81 | 437.17 | 432.81 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,116,407.95 | 5.76 |
| D14015-D14013 | 8 | 175 | 0.057 | 5 | 8,711.09 | 1.81 | 470 | 460 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,206,321.43 | 11.38 |
| F19007-F19005 | 12 | 300 | 0.014 | 9.6 | 53,984.74 | 1.81 | 558.85 | 554.5 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,271,341.47 | 6.33 |
| D06141-D07145 | 8 | 45 | 0.007 | 22.4 | 82,704.31 | 1.81 | 503.3 | 503 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 753,602.23 | 3.89 |
| D04099-D04097 | 8 | 80 | 0.013 | 16.2 | 51,596.64 | 1.81 | 595 | 594 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,031,912.36 | 5.32 |
| E15029-E14011 | 10 | 205 | 0.005 | 30.2 | 231,987.90 | 1.81 | 449 | 448 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,168,792.94 | 3.62 |
| F12007-F12005 | 12 | 299 | 0.01 | 13.5 | 87,398.13 | 1.82 | 390 | 387 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,725,772.03 | 5.27 |
| H10023-H10021 | 8 | 249 | 0.005 | 33.6 | 137,370.65 | 1.82 | 396 | 394.86 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 624,511.67 | 3.22 |
| D06077-D06075 | 8 | 232 | 0.03 | 8.6 | 15,592.46 | 1.82 | 543 | 536 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,603,218.94 | 8.27 |
| D06071-D06069 | 8 | 247 | 0.016 | 11.5 | 30,865.75 | 1.82 | 579 | 575 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,174,544.10 | 6.06 |
| E06083-E06053 | 10 | 325 | 0.009 | 17.3 | 71,509.57 | 1.82 | 508 | 505 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,607,805.30 | 4.98 |
| C05005-C05003 | 8 | 235 | 0.048 | 4.7 | 8,626.87 | 1.82 | 619.28 | 607.92 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,029,284.98 | 10.47 |
| K15023-K15021 | 8 | 334 | 0.009 | 27.2 | 58,445.74 | 1.82 | 317 | 314 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 874,732.38 | 4.51 |
| K13067-K13065 | 12 | 280 | 0.004 | 23.9 | 202,559.44 | 1.82 | 340 | 339 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,626,243.16 | 3.15 |
| G12071-G12069 | 15 | 178 | 0.011 | 11 | 95,959.03 | 1.82 | 385 | 383 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,229,933.85 | 6.74 |
| D10107-D10105 | 8 | 339 | 0.012 | 82.7 | 36,809.23 | 1.83 | 442 | 438 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,002,577.50 | 5.17 |
| E07089-E07087 | 8 | 96 | 0.01 | 18.3 | 51,892.03 | 1.83 | 472 | 471 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 942,002.79 | 4.86 |
| G03049-G03047 | 8 | 95 | 0.021 | 11.2 | 21,602.44 | 1.83 | 515 | 513 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,339,186.31 | 6.91 |
| D13077-D13075 | 8 | 147 | 0.02 | 13.6 | 30,912.12 | 1.83 | 435 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,318,529.25 | 6.80 |
| G09025-G09023 | 8 | 251 | 0.004 | 44.1 | 222,154.26 | 1.83 | 418.9 | 418 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 552,678.03 | 2.85 |
| G12047-G12025 | 8 | 151 | 0.007 | 26.1 | 99,599.12 | 1.83 | 383 | 382 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 751,102.72 | 3.87 |
| D13037-D13035 | 10 | 335 | 0.006 | 24 | 161,898.91 | 1.83 | 436 | 434 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,293,025.54 | 4.00 |
| K12049-K12027 | 8 | 342 | 0.016 | 47.4 | 32,942.94 | 1.83 | 344 | 338.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,170,458.71 | 6.04 |
| D06065-D06063 | 8 | 250 | 0.012 | 15 | 47,266.00 | 1.83 | 567 | 564 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,011,063.49 | 5.21 |
| J08001-J09017 | 15 | 354 | 0.006 | 19.9 | 321,803.74 | 1.84 | 396 | 394 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,708,553.65 | 4.78 |
| D09049-D09047 | 8 | 174 | 0.021 | 8.8 | 19,418.28 | 1.84 | 455.4 | 451.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,327,591.41 | 6.85 |
| J12003-J12001 | 33 | 417 | 0.002 | 17.6 | 1,343,297.37 | 1.84 | 356 | 355 | Vitrified Clay Pipe-Circular-33 inch | 5.9 | 19,781,094.64 | 5.19 |
| D07121-D07119 | 8 | 116 | 0.009 | 22 | 70,876.86 | 1.84 | 479 | 478 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 856,956.57 | 4.42 |
| D14115-D14113 | 8 | 238 | 0.019 | 11.8 | 37,312.68 | 1.84 | 462 | 457.48 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,271,945.63 | 6.56 |
| H12007-H12005 | 18 | 868 | 0.003 | 23 | 441,922.73 | 1.84 | 365 | 362 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 4,716,740.18 | 4.05 |
| D04111-D04075 | 15 | 355 | 0.003 | 32.5 | 598,016.05 | 1.84 | 576 | 575 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,618,647.39 | 3.38 |
| F05053-F05051 | 10 | 364 | 0.008 | 17.8 | 100,305.30 | 1.84 | 509 | 506 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,519,233.21 | 4.70 |
| H11061-H11049 | 8 | 300 | 0.027 | 100 | 16,032.37 | 1.84 | 380 | 371.83 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,523,134.33 | 7.86 |
| F06141-F06109 | 10 | 387 | 0.013 | 14.7 | 58,070.62 | 1.85 | 485 | 479.9 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,921,074.09 | 5.94 |
| L14023-L14021 | 8 | 63 | 0.037 | 48.3 | 12,824.91 | 1.85 | 311 | 308.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,763,524.31 | 9.10 |
| E04083-E04077 | 8 | 118 | 0.008 | 24.4 | 92,743.79 | 1.85 | 558 | 557 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 849,663.19 | 4.38 |
| K14101-L14043 | 10 | 141 | 0.004 | 46.7 | 237,197.22 | 1.85 | 310.5 | 310 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 996,529.03 | 3.08 |
| F19041-F19039 | 8 | 178 | 0.024 | 9.6 | 24,635.51 | 1.85 | 565.41 | 561.05 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,444,511.66 | 7.45 |
| D03103-D03101 | 8 | 351 | 0.011 | 20.6 | 84,251.18 | 1.85 | 599 | 595 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 985,290.38 | 5.08 |
| G13083-G13079 | 10 | 244 | 0.004 | 28.6 | 191,765.32 | 1.85 | 383 | 382 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,071,320.94 | 3.32 |
| J11031-J11029 | 15 | 194 | 0.003 | 31.9 | 552,492.34 | 1.85 | 376.5 | 376 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,504,813.16 | 3.23 |
| F08011-F09091 | 8 | 288 | 0.009 | 19.3 | 62,460.84 | 1.85 | 433.7 | 431 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 893,662.32 | 4.61 |
| D12031-D12027 | 10 | 183 | 0.005 | 23.3 | 147,005.85 | 1.85 | 435 | 434 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,237,054.87 | 3.83 |
| H10057-H10049 | 8 | 269 | 0.009 | 33.6 | 52,728.96 | 1.85 | 386 | 383.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 889,778.02 | 4.59 |
| L14063-L15001 | 8 | 1,500.00 | 0.005 | 27.5 | 111,125.18 | 1.86 | 311 | 303 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 674,042.33 | 3.48 |
| E08059-E08057 | 8 | 235 | 0.004 | 38.4 | 188,362.94 | 1.86 | 465 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 602,079.55 | 3.11 |
| H09027-H09025 | 12 | 378 | 0.011 | 13.3 | 99,760.16 | 1.86 | 412 | 408 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,799,294.52 | 5.41 |
| D03013-D03011 | 8 | 303 | 0.02 | 12.4 | 36,225.66 | 1.86 | 596 | 590 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,298,799.52 | 6.70 |
| F05065-F05061 | 8 | 313 | 0.013 | 18.3 | 52,019.59 | 1.86 | 519 | 515 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,043,387.51 | 5.38 |
| D17051-D17049 | 8 | 72 | 0.048 | 5.3 | 10,538.44 | 1.86 | 554.3 | 550.67 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,017,132.02 | 10.40 |
| D11017-D11013 | 6 | 246 | 0.012 | 20.1 | 31,979.79 | 1.86 | 451 | 448 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 473,272.11 | 3.66 |
| F10065-F10051 | 12 | 424 | 0.002 | 55.8 | 616,147.74 | 1.86 | 400.75 | 400 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,144,490.52 | 2.21 |
| D13067-D13065 | 10 | 22 | 0.023 | 10 | 36,664.91 | 1.86 | 430 | 429.5 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,522,831.07 | 7.81 |
| D13035-E13033 | 10 | 318 | 0.006 | 24.1 | 167,572.36 | 1.87 | 434 | 432 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,327,137.58 | 4.11 |
| E13033-E13029 | 10 | 318 | 0.006 | 35.1 | 170,876.65 | 1.87 | 432 | 430 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,327,137.58 | 4.11 |
| H12037-H12035 | 8 | 207 | 0.011 | 16.4 | 56,287.48 | 1.87 | 364.24 | 362 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 960,122.49 | 4.95 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| E12103-E12101 | 10 | 355 | 0.006 | 29.6 | 226,159.26 | 1.87 | 409 | 407 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,256,074.30 | 3.89 |
| G13047-G13045 | 8 | 142 | 0.007 | 21.6 | 79,503.84 | 1.87 | 397 | 396 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 774,539.61 | 3.99 |
| G12085-G12003 | 12 | 297 | 0.005 | 26.4 | 208,630.96 | 1.87 | 373.5 | 372 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,933,890.60 | 3.74 |
| J09013-J09011 | 15 | 308 | 0.006 | 19.4 | 319,940.61 | 1.87 | 390 | 388 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,975,857.76 | 5.13 |
| J14049-J15007 | 8 | 198 | 0.005 | 34.1 | 163,550.52 | 1.87 | 330 | 329 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,926.55 | 3.38 |
| D06063-D06061 | 8 | 249 | 0.012 | 16 | 51,189.99 | 1.87 | 564 | 561 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,013,091.71 | 5.22 |
| D05033-D05031 | 8 | 332 | 0.021 | 10.5 | 25,526.37 | 1.87 | 574 | 567 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,340,194.36 | 6.91 |
| D09063-D09033 | 8 | 256 | 0.008 | 31.7 | 62,628.88 | 1.87 | 446 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 815,798.35 | 4.21 |
| K12027-K12025 | 15 | 314 | 0.002 | 45.1 | 799,754.38 | 1.87 | 338.5 | 338 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 1,968,844.32 | 2.54 |
| E02005-E02003 | 10 | 228 | 0.005 | 30 | 202,803.95 | 1.87 | 564.55 | 563.44 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,167,638.95 | 3.61 |
| E10067-E10065 | 8 | 154 | 0.006 | 24.2 | 84,486.13 | 1.88 | 427 | 426 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 743,750.80 | 3.84 |
| G13031-G13029 | 8 | 268 | 0.007 | 21.8 | 82,467.25 | 1.88 | 391 | 389 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 797,325.05 | 4.11 |
| F19059-F19057 | 8 | 250 | 0.124 | 3 | 3,554.50 | 1.88 | 651.22 | 620.29 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,246,442.86 | 16.74 |
| G12091-G12089 | 12 | 212 | 0.005 | 23.6 | 208,102.67 | 1.88 | 377 | 376 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,868,945.20 | 3.61 |
| K12023-K12021 | 15 | 352 | 0.001 | 50.3 | 940,818.46 | 1.88 | 337.5 | 337 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 1,859,537.20 | 2.40 |
| G12087-G12085 | 12 | 301 | 0.005 | 22.3 | 208,826.33 | 1.88 | 375 | 373.5 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,920,997.85 | 3.72 |
| E04091-E04089 | 8 | 261 | 0.011 | 18.4 | 66,826.92 | 1.88 | 565 | 562 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 989,528.21 | 5.10 |
| F14065-F14063 | 10 | 245 | 0.016 | 12.2 | 54,770.21 | 1.88 | 433 | 429 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,138,264.68 | 6.62 |
| F20028-F20026 | 8 | 302.6 | 0.054 | 5 | 10,183.72 | 1.89 | 675.45 | 658.53 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,135,720.64 | 11.01 |
| D06115-D06113 | 8 | 282 | 0.014 | 13.6 | 40,968.15 | 1.89 | 540 | 536 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,099,241.84 | 5.67 |
| F12015-F12013 | 12 | 219 | 0.01 | 13.4 | 87,220.59 | 1.89 | 395.24 | 393 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,752,114.19 | 5.32 |
| D06069-D06067 | 8 | 241 | 0.017 | 12.2 | 34,910.95 | 1.89 | 575 | 571 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,189,075.09 | 6.13 |
| G12093-G12091 | 12 | 214 | 0.005 | 22.6 | 208,180.08 | 1.89 | 378 | 377 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,860,191.31 | 3.60 |
| C11017-C10019 | 8 | 243 | 0.025 | 17 | 17,604.59 | 1.89 | 501 | 495 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,450,308.18 | 7.48 |
| D06139-D06137 | 8 | 270 | 0.015 | 13.3 | 37,991.31 | 1.89 | 524 | 520 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,123,403.88 | 5.79 |
| J09015-J09013 | 15 | 306 | 0.007 | 19.2 | 320,526.45 | 1.89 | 392 | 390 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,988,829.60 | 5.14 |
| D16013-D16011 | 15 | 194 | 0.01 | 13.7 | 146,158.33 | 1.89 | 491 | 489 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,009,626.32 | 6.46 |
| D14083-D14043 | 12 | 77 | 0.013 | 13.1 | 72,062.11 | 1.9 | 445 | 444 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,101,124.02 | 6.00 |
| E13065-E13063 | 10 | 369 | 0.005 | 28.2 | 214,091.34 | 1.9 | 418 | 416 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,232,015.93 | 3.81 |
| E13061-E13059 | 10 | 349 | 0.006 | 28 | 216,381.71 | 1.9 | 414 | 412 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,266,825.49 | 3.92 |
| D04001-D05055 | 8 | 343 | 0.026 | 15 | 26,682.61 | 1.9 | 593 | 584 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,495,071.63 | 7.71 |
| J10005-J10003 | 15 | 313 | 0.006 | 20.8 | 347,206.61 | 1.9 | 378 | 376 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,943,973.87 | 5.09 |
| D09067-D09065 | 10 | 339 | 0.003 | 36.4 | 256,385.37 | 1.9 | 438 | 437 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 908,896.98 | 2.81 |
| D07113-D08037 | 8 | 137 | 0.007 | 27.1 | 99,747.08 | 1.9 | 475 | 474 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 788,546.89 | 4.07 |
| G08013-G08011 | 8 | 264 | 0.011 | 17.9 | 55,275.84 | 1.9 | 437 | 434 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 983,889.83 | 5.07 |
| E13063-E13061 | 10 | 355 | 0.006 | 28 | 215,422.53 | 1.9 | 416 | 414 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,256,074.30 | 3.89 |
| D12033-D12031 | 10 | 164 | 0.006 | 22.6 | 138,714.17 | 1.9 | 436 | 435 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,306,750.23 | 4.04 |
| G12007-G12005 | 15 | 449 | 0.006 | 16.7 | 222,307.43 | 1.9 | 379.48 | 377 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,666,856.12 | 4.73 |
| C05027-C06099 | 8 | 347 | 0.072 | 3.4 | 5,298.72 | 1.91 | 671 | 646 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,477,382.55 | 12.78 |
| C06009-C06007 | 8 | 330 | 0.027 | 8.2 | 19,890.54 | 1.91 | 561 | 552 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,524,235.57 | 7.86 |
| G13105-G13095 | 8 | 76 | 0.013 | 20.4 | 41,289.71 | 1.91 | 390 | 389 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,058,719.74 | 5.46 |
| C05003-C05001 | 8 | 193 | 0.054 | 5 | 8,547.13 | 1.91 | 607.92 | 597.45 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,149,722.95 | 11.09 |
| J09017-J09015 | 15 | 307 | 0.007 | 19.2 | 321,107.93 | 1.91 | 394 | 392 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,982,327.84 | 5.13 |
| D06015-D06013 | 8 | 65 | 0.031 | 18.1 | 18,152.59 | 1.91 | 536 | 534 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,618,997.31 | 8.35 |
| E12013-E12011 | 8 | 41 | 0.024 | 38.6 | 30,751.98 | 1.91 | 414 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,441,437.71 | 7.43 |
| E06025-E07045 | 10 | 262 | 0.004 | 35.3 | 250,862.33 | 1.91 | 489 | 488 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,033,865.07 | 3.20 |
| D05031-D05001 | 8 | 346 | 0.017 | 16.5 | 33,496.85 | 1.91 | 567 | 561 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,215,417.21 | 6.27 |
| D05119-D05117 | 15 | 332 | 0.003 | 35 | 711,190.19 | 1.91 | 556 | 555 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,707,834.75 | 3.49 |
| G13029-G12035 | 8 | 256 | 0.008 | 24.9 | 85,327.95 | 1.91 | 389 | 387 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 815,798.35 | 4.21 |
| D07143-E07029 | 12 | 408 | 0.009 | 15 | 85,919.73 | 1.91 | 501 | 497.3 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,591,404.92 | 5.01 |
| J09009-J09007 | 15 | 308 | 0.006 | 19.6 | 334,211.67 | 1.91 | 386 | 384 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,975,857.76 | 5.13 |
| D05021-D05019 | 8 | 40 | 0.05 | 5.9 | 9,900.87 | 1.92 | 585 | 583 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,063,824.72 | 10.64 |
| G08079-G08073 | 12 | 294 | 0.003 | 48.2 | 659,603.93 | 1.92 | 444.78 | 444 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,401,645.33 | 2.71 |
| F13041-F13039 | 12 | 87 | 0.016 | 10.1 | 55,975.89 | 1.92 | 405.48 | 404.08 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,451,984.92 | 6.68 |
| D06113-D06111 | 8 | 288 | 0.014 | 13.9 | 45,418.99 | 1.92 | 536 | 532 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,087,731.13 | 5.61 |
| D05069-D05067 | 8 | 341 | 0.018 | 12.4 | 39,936.26 | 1.92 | 606 | 600 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,224,295.47 | 6.31 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| D06117-D06115 | 8 | 285 | 0.018 | 12.3 | 33,154.27 | 1.92 | 545 | 540 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,222,504.25 | 6.30 |
| J10001-K10007 | 15 | 311 | 0.006 | 21.5 | 399,275.80 | 1.92 | 374 | 372 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,956,635.13 | 5.10 |
| D04003-D04001 | 8 | 352 | 0.028 | 9 | 24,866.27 | 1.92 | 603 | 593 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,555,666.41 | 8.02 |
| F12081-F12069 | 21 | 309 | 0.002 | 41.1 | 1,460,329.41 | 1.93 | 396 | 395.36 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 5,507,781.57 | 3.55 |
| J10003-J10001 | 15 | 319 | 0.006 | 21.6 | 399,327.19 | 1.93 | 376 | 374 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,906,707.13 | 5.04 |
| K10001-K11017 | 15 | 150 | 0.007 | 24.6 | 406,331.99 | 1.93 | 366 | 365 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,028,520.42 | 5.19 |
| C05001-C06053 | 8 | 207 | 0.046 | 7.5 | 11,362.79 | 1.93 | 597.45 | 588 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,972,052.80 | 10.17 |
| H10035-H10033 | 12 | 410 | 0.007 | 18.7 | 177,825.73 | 1.93 | 402 | 399 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,327,733.18 | 4.50 |
| F16017-F16015 | 12 | 143 | 0.007 | 22.8 | 259,238.59 | 1.93 | 484 | 483 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,275,602.90 | 4.40 |
| F08109-F08107 | 12 | 319 | 0.004 | 40.9 | 373,103.95 | 1.93 | 453 | 451.7 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,737,164.05 | 3.36 |
| F03139-F03137 | 15 | 294 | 0.003 | 27.8 | 486,505.96 | 1.93 | 528 | 527 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,877,514.59 | 3.71 |
| E04077-E04075 | 8 | 403 | 0.007 | 26.6 | 123,017.04 | 1.93 | 557 | 554 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 796,335.20 | 4.11 |
| F19005-F19003 | 8 | 35 | 0.014 | 15.4 | 56,691.12 | 1.93 | 554.5 | 554 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,103,160.71 | 5.69 |
| J12017-J12015 | 8 | 323 | 0.014 | 34.3 | 54,774.58 | 1.93 | 364 | 359.38 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,103,843.57 | 5.69 |
| K11033-K11031 | 15 | 275 | 0.002 | 38.3 | 628,334.84 | 1.93 | 349 | 348.5 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,103,826.18 | 2.71 |
| E12101-E12095 | 10 | 355 | 0.006 | 30.4 | 252,768.99 | 1.94 | 407 | 405 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,256,074.30 | 3.89 |
| E13073-E13071 | 8 | 92 | 0.011 | 23.2 | 90,391.69 | 1.94 | 425 | 424 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 962,263.24 | 4.96 |
| J09001-J10005 | 15 | 302 | 0.007 | 20 | 347,903.50 | 1.94 | 380 | 378 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,015,158.79 | 5.18 |
| J09011-J09009 | 15 | 307 | 0.007 | 19.6 | 334,852.74 | 1.94 | 388 | 386 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,982,327.84 | 5.13 |
| F17027-F17005 | 12 | 396 | 0.01 | 18.6 | 163,207.64 | 1.94 | 512 | 508 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,734,934.32 | 5.29 |
| E04089-E04085 | 8 | 275 | 0.011 | 21.1 | 77,681.77 | 1.94 | 562 | 559 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 964,011.22 | 4.97 |
| F10021-F10019 | 24 | 75 | 0.003 | 27.4 | 1,222,285.62 | 1.94 | 415.2 | 415 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 8,922,684.14 | 4.45 |
| F10077-F10075 | 8 | 251 | 0.004 | 37.4 | 173,200.33 | 1.94 | 408 | 407 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 582,573.80 | 3.00 |
| E12105-E12103 | 10 | 327 | 0.006 | 28.4 | 225,162.14 | 1.94 | 411 | 409 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,308,746.79 | 4.05 |
| G13039-G13037 | 8 | 122 | 0.008 | 23 | 79,206.65 | 1.94 | 393 | 392 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 835,618.20 | 4.31 |
| H14003-H14001 | 8 | 249 | 0.012 | 16 | 53,364.40 | 1.94 | 358 | 355 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,013,091.71 | 5.22 |
| D10077-D10075 | 8 | 101 | 0.01 | 23.5 | 58,870.29 | 1.94 | 457 | 456 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 918,389.95 | 4.74 |
| D09053-D09051 | 8 | 19 | 0.074 | 3.5 | 5,296.33 | 1.94 | 468.8 | 467.4 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,505,388.18 | 12.92 |
| F19049-F19047 | 8 | 40 | 0.052 | 8.1 | 11,868.56 | 1.94 | 573 | 570.85 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,113,562.57 | 10.90 |
| C11019-C11017 | 8 | 252 | 0.048 | 6.3 | 8,827.22 | 1.94 | 513 | 501 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,014,086.69 | 10.39 |
| G15047-G15045 | 8 | 216 | 0.079 | 3.5 | 4,456.39 | 1.95 | 500 | 483 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,589,318.01 | 13.35 |
| F03081-F04151 | 15 | 262 | 0.004 | 29.7 | 487,634.04 | 1.95 | 523 | 522 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,048,179.61 | 3.93 |
| L14021-L14019 | 12 | 241 | 0.003 | 68 | 1,015,171.18 | 1.95 | 308.7 | 308 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,466,577.43 | 2.84 |
| E13059-E12105 | 10 | 163 | 0.006 | 28 | 224,068.09 | 1.95 | 412 | 411 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,310,752.54 | 4.06 |
| F18033-F18031 | 12 | 184 | 0.011 | 13.1 | 103,051.59 | 1.95 | 546 | 544 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,837,073.48 | 5.49 |
| E11123-E11121 | 8 | 259 | 0.035 | 8.3 | 19,490.84 | 1.95 | 430 | 421 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,720,517.84 | 8.87 |
| D14047-D14045 | 8 | 92 | 0.022 | 12 | 35,377.77 | 1.95 | 449 | 447 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,360,845.72 | 7.02 |
| L13147-L13015 | 12 | 342 | 0.003 | 100 | 2,337,803.55 | 1.95 | 323 | 322 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,471,470.11 | 2.85 |
| E15039-E15037 | 8 | 50 | 0.01 | 24.5 | 114,649.06 | 1.95 | 455.5 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 922,970.47 | 4.76 |
| D13041-D13039 | 10 | 125 | 0.008 | 20.9 | 143,752.56 | 1.95 | 440 | 439 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,496,785.28 | 4.63 |
| K11037-K11035 | 8 | 305 | 0.018 | 38 | 32,239.60 | 1.95 | 355 | 349.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,239,422.09 | 6.39 |
| G15039-G15037 | 8 | 325 | 0.037 | 100 | 11,413.74 | 1.96 | 422 | 410 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,773,522.69 | 9.15 |
| E14059-E13031 | 8 | 271 | 0.004 | 65.6 | 429,522.79 | 1.96 | 435 | 434 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 560,664.63 | 2.89 |
| D06067-D06065 | 8 | 244 | 0.016 | 13.7 | 40,385.16 | 1.96 | 571 | 567 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,181,742.60 | 6.09 |
| F03083-F03081 | 15 | 264 | 0.004 | 27.1 | 487,403.86 | 1.96 | 524 | 523 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,036,611.52 | 3.92 |
| F10067-F10065 | 12 | 125 | 0.002 | 51.3 | 616,517.22 | 1.96 | 401 | 400.75 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,216,968.94 | 2.35 |
| F03141-F03139 | 15 | 291 | 0.003 | 27.8 | 486,823.70 | 1.96 | 529 | 528 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,892,309.11 | 3.73 |
| F03085-F03083 | 15 | 270 | 0.004 | 27.2 | 487,141.02 | 1.96 | 525 | 524 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,002,681.84 | 3.87 |
| H14005-H14003 | 8 | 250 | 0.012 | 15.7 | 54,089.58 | 1.96 | 361 | 358 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,011,063.49 | 5.21 |
| E15051-E15049 | 8 | 363 | 0.011 | 24.2 | 99,923.42 | 1.96 | 465 | 461.09 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 957,905.96 | 4.94 |
| G09021-G09019 | 8 | 262 | 0.004 | 47 | 255,985.90 | 1.96 | 416 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 570,213.06 | 2.94 |
| E13017-E13015 | 8 | 313 | 0.003 | 100 | 605,010.14 | 1.96 | 423 | 422 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 521,693.76 | 2.69 |
| C06027-C06019 | 8 | 250 | 0.024 | 11.7 | 25,535.22 | 1.96 | 556 | 550 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,429,859.71 | 7.37 |
| G07045-G07043 | 24 | 275 | 0.001 | 47.8 | 3,046,140.30 | 1.96 | 462.28 | 461.88 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 6,589,838.96 | 3.29 |
| F20026-F20024 | 8 | 309.2 | 0.064 | 4.8 | 10,165.46 | 1.96 | 658.53 | 639.08 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,334,591.06 | 12.04 |
| C10019-C10017 | 8 | 163 | 0.006 | 26.1 | 108,222.59 | 1.96 | 495 | 494 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 722,926.27 | 3.73 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| E05013-E06083 | 10 | 333 | 0.012 | 13.7 | 66,420.57 | 1.96 | 512 | 508 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,834,097.37 | 5.68 |
| G06001-G07049 | 24 | 295 | 0.001 | 50.7 | 3,059,548.02 | 1.96 | 463.48 | 463.08 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 6,362,534.36 | 3.18 |
| F09089-F09087 | 8 | 275 | 0.011 | 19.8 | 66,087.56 | 1.96 | 430 | 427 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 964,011.22 | 4.97 |
| F03143-F03141 | 15 | 295 | 0.003 | 27.9 | 487,627.80 | 1.97 | 530 | 529 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,872,633.31 | 3.70 |
| J14085-J14051 | 8 | 267 | 0.007 | 31.5 | 120,359.34 | 1.97 | 333 | 331 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 798,816.77 | 4.12 |
| C10009-C10007 | 8 | 232 | 0.017 | 13 | 29,065.61 | 1.97 | 469 | 465 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,211,919.60 | 6.25 |
| D04091-D04081 | 8 | 361 | 0.014 | 16.3 | 60,716.83 | 1.97 | 591 | 586 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,086,223.54 | 5.60 |
| J08003-J08001 | 15 | 300 | 0.007 | 19.5 | 322,354.35 | 1.97 | 398 | 396 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,028,520.42 | 5.19 |
| G04085-G04083 | 12 | 338 | 0.006 | 24.3 | 239,736.34 | 1.97 | 492 | 490 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,093,250.22 | 4.05 |
| E16013-E15055 | 8 | 327 | 0.012 | 20 | 87,777.10 | 1.97 | 476 | 472.12 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,005,378.96 | 5.19 |
| G02011-G02009 | 8 | 267 | 0.016 | 15.4 | 47,360.87 | 1.97 | 520.97 | 516.58 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,183,489.57 | 6.10 |
| F18025-F18011 | 12 | 279 | 0.011 | 17.1 | 114,575.57 | 1.97 | 535 | 532 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,821,779.17 | 5.46 |
| E09073-E09069 | 15 | 265 | 0.002 | 53.2 | 1,188,972.36 | 1.97 | 422.5 | 422 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,143,153.43 | 2.76 |
| D04105-D04103 | 8 | 381 | 0.026 | 10.7 | 30,232.59 | 1.98 | 616 | 606 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,495,289.62 | 7.71 |
| K15021-K15019 | 10 | 369 | 0.004 | 31.9 | 210,611.55 | 1.98 | 314 | 312.39 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,105,386.77 | 3.42 |
| L14041-L14021 | 12 | 89 | 0.003 | 59.3 | 991,886.81 | 1.98 | 309 | 308.7 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,579,901.90 | 3.06 |
| E15055-E15053 | 8 | 337 | 0.012 | 20.7 | 88,878.35 | 1.98 | 472.12 | 468 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,020,519.87 | 5.26 |
| G14045-G14043 | 8 | 318 | 0.009 | 22.4 | 89,152.94 | 1.98 | 401 | 398 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 896,468.17 | 4.62 |
| H07005-H07003 | 15 | 547 | 0.007 | 17.3 | 274,944.15 | 1.98 | 427 | 423 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,219,174.93 | 5.44 |
| E02001-E03249 | 10 | 155 | 0.005 | 33.8 | 256,147.39 | 1.98 | 562.83 | 562.12 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,132,603.33 | 3.50 |
| F10053-F10051 | 8 | 105 | 0.029 | 48.4 | 19,198.85 | 1.98 | 403 | 400 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,560,104.84 | 8.05 |
| F08099-F08097 | 12 | 265 | 0.003 | 43.4 | 584,646.32 | 1.98 | 449.8 | 449 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,495,156.16 | 2.89 |
| H14007-H14005 | 8 | 248 | 0.012 | 15.8 | 54,817.72 | 1.98 | 364 | 361 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,015,132.18 | 5.24 |
| H09003-H10035 | 12 | 393 | 0.008 | 18.6 | 179,010.90 | 1.98 | 405 | 402 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,377,545.57 | 4.60 |
| F11043-F11041 | 8 | 342 | 0.009 | 19.5 | 71,793.75 | 1.98 | 392 | 389 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 864,441.05 | 4.46 |
| D11021-D11019 | 8 | 148 | 0.007 | 24.4 | 98,537.00 | 1.98 | 465 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 758,677.05 | 3.91 |
| D10043-D10037 | 8 | 204 | 0.015 | 14.8 | 38,396.11 | 1.99 | 458 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,119,266.10 | 5.77 |
| D06031-D06029 | 8 | 257 | 0.019 | 16 | 33,866.21 | 1.99 | 549 | 544 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,287,378.49 | 6.64 |
| D09023-D09021 | 8 | 309 | 0.01 | 30.3 | 65,825.09 | 1.99 | 452 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 909,429.83 | 4.69 |
| E07019-E07017 | 12 | 250 | 0.012 | 11.2 | 72,687.72 | 1.99 | 487 | 484 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,980,952.95 | 5.77 |
| C06019-C06017 | 8 | 207 | 0.014 | 14.1 | 47,954.17 | 1.99 | 550 | 547 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,111,125.88 | 5.73 |
| H14009-H14007 | 8 | 248 | 0.012 | 15.8 | 55,027.83 | 2 | 367 | 364 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,015,132.18 | 5.24 |
| F05041-F05039 | 10 | 306 | 0.013 | 25.5 | 100,958.06 | 2 | 505 | 501 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,913,303.17 | 5.92 |
| E07049-E07047 | 8 | 279 | 0.004 | 53.3 | 307,508.52 | 2 | 490 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 552,567.97 | 2.85 |
| F05111-F05109 | 15 | 238 | 0.004 | 28.1 | 551,548.36 | 2 | 508 | 507 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,198,178.66 | 4.12 |
| E07007-E07005 | 12 | 159 | 0.013 | 21.4 | 75,772.08 | 2 | 476 | 474 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,051,974.73 | 5.90 |
| F04005-F04003 | 8 | 252 | 0.024 | 12.8 | 31,394.25 | 2 | 512 | 506 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,424,174.36 | 7.35 |
| G10027-H10027 | 8 | 149 | 0.007 | 31.7 | 112,773.88 | 2 | 398 | 397 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 756,126.87 | 3.90 |
| D06137-D06135 | 8 | 275 | 0.015 | 14.5 | 47,042.78 | 2 | 520 | 516 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,113,144.27 | 5.74 |
| E02009-E02007 | 8 | 357 | 0.005 | 37 | 191,522.23 | 2 | 567.56 | 565.61 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 682,136.05 | 3.52 |
| E15047-E15045 | 8 | 274 | 0.011 | 25.4 | 106,565.52 | 2 | 461.01 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 967,377.04 | 4.99 |
| J12089-J12001 | 18 | 207 | 0.014 | 7.8 | 119,721.26 | 2 | 358 | 355 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 9,658,654.77 | 8.30 |
| D05071-D05069 | 8 | 342 | 0.023 | 11.5 | 33,437.92 | 2.01 | 614 | 606 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,411,626.32 | 7.28 |
| F10023-F10021 | 24 | 34 | 0.003 | 24.7 | 1,222,427.77 | 2.01 | 415.3 | 415.2 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 9,370,692.67 | 4.68 |
| G07047-G07045 | 24 | 261 | 0.002 | 47.4 | 3,045,755.99 | 2.01 | 462.68 | 462.28 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 6,764,269.39 | 3.38 |
| E12025-E12011 | 10 | 330 | 0.003 | 100 | 763,611.65 | 2.01 | 414 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 508,078.52 | 2.62 |
| D04077-D04075 | 8 | 272 | 0.011 | 32.2 | 87,089.18 | 2.01 | 578 | 575 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 969,312.88 | 5.00 |
| E06023-E06007 | 8 | 279 | 0.011 | 26.3 | 69,973.92 | 2.02 | 513 | 510 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 957,075.80 | 4.94 |
| C05011-D05071 | 8 | 280 | 0.029 | 9.8 | 26,193.79 | 2.02 | 622 | 614 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,560,104.84 | 8.05 |
| D16019-D16017 | 15 | 158 | 0.016 | 9.8 | 122,299.55 | 2.02 | 495.46 | 493 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 6,156,447.91 | 7.94 |
| H05025-H05017 | 8 | 264 | 0.019 | 23.6 | 104,736.87 | 2.02 | 462 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,270,196.31 | 6.55 |
| F05113-F05111 | 15 | 234 | 0.004 | 28 | 551,473.74 | 2.02 | 509 | 508 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,225,397.69 | 4.16 |
| D09073-D09071 | 10 | 322 | 0.006 | 21 | 127,502.96 | 2.02 | 448 | 446 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,318,868.73 | 4.08 |
| E15017-E15015 | 15 | 331 | 0.009 | 15 | 228,969.65 | 2.03 | 472 | 469 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,697,186.78 | 6.06 |
| J09007-J09005 | 15 | 275 | 0.007 | 42.8 | 343,968.94 | 2.03 | 384 | 382 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,207,652.35 | 5.43 |
| E03245-E03243 | 10 | 116 | 0.005 | 31.1 | 254,623.63 | 2.03 | 560.68 | 560.07 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,213,529.76 | 3.76 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| F10075-F10073 | 8 | 215 | 0.005 | 47.4 | 173,079.38 | 2.03 | 407 | 406 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 629,460.64 | 3.25 |
| D02011-D02003 | 12 | 249 | 0.004 | 33.5 | 416,821.32 | 2.03 | 594 | 593 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,724,506.46 | 3.34 |
| E16021-E16015 | 8 | 143 | 0.014 | 20.7 | 78,231.11 | 2.03 | 480 | 478 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,091,527.76 | 5.63 |
| H07007-H07005 | 15 | 532 | 0.008 | 17.2 | 275,597.11 | 2.03 | 431 | 427 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,278,242.31 | 5.52 |
| F10099-F10097 | 8 | 182 | 0.016 | 12.7 | 33,787.90 | 2.03 | 407 | 404 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,184,984.69 | 6.11 |
| K13069-K13001 | 12 | 300 | 0.003 | 100 | 2,524,835.23 | 2.03 | 320 | 319 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,571,100.15 | 3.04 |
| E12095-E12003 | 10 | 309 | 0.006 | 46.5 | 259,262.47 | 2.03 | 405 | 403 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,346,326.10 | 4.17 |
| J09003-J09001 | 15 | 266 | 0.008 | 19.5 | 342,510.98 | 2.03 | 382.06 | 380 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,341,941.73 | 5.60 |
| F07019-F07017 | 8 | 40 | 0.025 | 14.4 | 40,411.45 | 2.03 | 454 | 453 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,459,344.45 | 7.53 |
| H10031-H10013 | 12 | 397 | 0.009 | 21.3 | 179,596.94 | 2.04 | 395 | 391.5 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,555,072.73 | 4.94 |
| F09047-F09045 | 18 | 424 | 0.002 | 36.2 | 1,093,374.01 | 2.04 | 428 | 427 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 3,896,352.68 | 3.35 |
| D10089-D10075 | 8 | 308 | 0.006 | 27.9 | 109,098.80 | 2.04 | 458 | 456 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 743,750.80 | 3.84 |
| D14113-D14085 | 8 | 251 | 0.026 | 12.8 | 37,675.80 | 2.04 | 457.48 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,482,990.77 | 7.65 |
| F09049-F09047 | 18 | 440 | 0.002 | 36.6 | 1,093,541.90 | 2.04 | 429 | 428 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 3,824,853.90 | 3.29 |
| E16003-E16001 | 15 | 325 | 0.009 | 15.5 | 220,670.63 | 2.04 | 477 | 474 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,740,347.14 | 6.11 |
| D05007-D05005 | 8 | 58 | 0.017 | 12.9 | 43,036.93 | 2.04 | 571 | 570 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,211,919.60 | 6.25 |
| K13071-K13069 | 12 | 302 | 0.003 | 100 | 2,567,011.36 | 2.04 | 321 | 320 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,565,889.19 | 3.03 |
| F12075-F12073 | 15 | 251 | 0.004 | 33.8 | 767,055.72 | 2.04 | 400 | 399 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,114,256.21 | 4.02 |
| E08057-E08049 | 15 | 331 | 0.006 | 18.5 | 224,548.11 | 2.04 | 464 | 462 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,835,236.95 | 4.94 |
| D10091-D10089 | 8 | 140 | 0.007 | 24.8 | 96,946.52 | 2.04 | 459 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 780,052.42 | 4.02 |
| E07091-E07089 | 8 | 246 | 0.016 | 14.5 | 42,448.89 | 2.04 | 476 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,176,928.96 | 6.07 |
| D03085-D03061 | 15 | 251 | 0.004 | 27.7 | 522,115.41 | 2.04 | 589 | 588 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,114,256.21 | 4.02 |
| F12073-F12071 | 15 | 246 | 0.004 | 33.7 | 767,808.09 | 2.04 | 399 | 398 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,145,745.95 | 4.06 |
| E02013-E02011 | 8 | 224 | 0.006 | 35.7 | 189,337.36 | 2.04 | 570.27 | 569 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 694,969.36 | 3.58 |
| D09075-D09073 | 8 | 382 | 0.008 | 24.2 | 87,430.65 | 2.04 | 451 | 448 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 817,931.16 | 4.22 |
| G14067-G14065 | 8 | 334 | 0.019 | 14.1 | 54,765.43 | 2.05 | 415.48 | 409 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,285,588.79 | 6.63 |
| F17001-F16035 | 12 | 249 | 0.012 | 16.3 | 172,458.56 | 2.05 | 506 | 503 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,986,932.80 | 5.78 |
| F18029-F18027 | 12 | 249 | 0.012 | 13.2 | 111,968.71 | 2.05 | 541 | 538 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,986,932.80 | 5.78 |
| E04097-E04071 | 10 | 273 | 0.011 | 23.7 | 119,106.44 | 2.05 | 548 | 545 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,754,259.40 | 5.43 |
| H10053-H10051 | 15 | 378 | 0.005 | 22.1 | 322,781.77 | 2.05 | 386 | 384 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,588,891.24 | 4.63 |
| G12049-G12047 | 8 | 221 | 0.009 | 23.7 | 99,142.32 | 2.05 | 385 | 383 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 878,024.57 | 4.53 |
| G04081-G05099 | 12 | 286 | 0.007 | 24.1 | 241,825.40 | 2.06 | 489 | 487 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,275,602.90 | 4.40 |
| D17017-D17015 | 15 | 285 | 0.018 | 9.1 | 111,602.73 | 2.06 | 504 | 499 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 6,535,123.08 | 8.43 |
| G13091-G13089 | 10 | 167 | 0.006 | 26 | 173,628.88 | 2.06 | 386 | 385 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,294,959.76 | 4.01 |
| F16021-F16019 | 12 | 231 | 0.009 | 21.2 | 248,387.45 | 2.06 | 487 | 485 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,532,057.16 | 4.90 |
| F12077-F12075 | 15 | 250 | 0.004 | 33.8 | 766,697.45 | 2.06 | 401 | 400 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,120,478.50 | 4.02 |
| E04071-E04069 | 10 | 337 | 0.006 | 29.7 | 247,473.86 | 2.06 | 545 | 543 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,289,182.96 | 3.99 |
| D06013-D06011 | 8 | 286 | 0.007 | 28.6 | 138,398.35 | 2.06 | 534 | 532 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 771,826.68 | 3.98 |
| G05101-G05099 | 8 | 288 | 0.014 | 28.3 | 71,128.78 | 2.06 | 491 | 487 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,087,731.13 | 5.61 |
| F05109-F05105 | 15 | 224 | 0.004 | 28 | 566,219.26 | 2.06 | 507 | 506 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,296,607.10 | 4.25 |
| G13045-G13043 | 8 | 211 | 0.009 | 20.1 | 79,407.58 | 2.06 | 396 | 394 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 898,589.99 | 4.63 |
| J15005-J15003 | 12 | 235 | 0.004 | 32.7 | 328,587.67 | 2.07 | 328 | 327 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,775,131.65 | 3.43 |
| F18031-F18029 | 12 | 245 | 0.012 | 13.2 | 110,868.00 | 2.07 | 544 | 541 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,011,217.21 | 5.82 |
| F12079-F12077 | 15 | 250 | 0.004 | 33.8 | 766,338.80 | 2.07 | 402 | 401 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,120,478.50 | 4.02 |
| F18027-F18025 | 12 | 240 | 0.013 | 13.5 | 113,467.68 | 2.07 | 538 | 535 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,042,422.36 | 5.88 |
| E16023-E16021 | 8 | 248 | 0.02 | 16.2 | 58,019.94 | 2.07 | 485 | 480 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,310,530.01 | 6.76 |
| D04095-D04093 | 8 | 55 | 0.018 | 15.5 | 52,975.67 | 2.07 | 593 | 592 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,244,533.13 | 6.42 |
| D14117-D14115 | 8 | 348 | 0.026 | 11.4 | 37,360.71 | 2.07 | 471 | 462 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,484,292.32 | 7.66 |
| E07083-E08073 | 8 | 335 | 0.012 | 18 | 71,455.54 | 2.07 | 469 | 465 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,008,545.28 | 5.20 |
| D13079-D13077 | 8 | 161 | 0.031 | 9.9 | 28,710.27 | 2.08 | 440 | 435 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,626,521.74 | 8.39 |
| D02001-D03083 | 8 | 346 | 0.014 | 18.6 | 84,256.94 | 2.08 | 625 | 620 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,109,519.04 | 5.72 |
| J08013-J08011 | 15 | 512 | 0.008 | 17.8 | 300,484.84 | 2.08 | 415 | 411 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,361,001.28 | 5.62 |
| H07001-J08013 | 15 | 498 | 0.008 | 17.6 | 291,499.35 | 2.08 | 419 | 415 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,421,875.63 | 5.70 |
| E12005-E12003 | 15 | 355 | 0.003 | 44.9 | 1,084,740.28 | 2.09 | 404 | 403 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,618,647.39 | 3.38 |
| D13105-D13099 | 8 | 197 | 0.223 | 3.9 | 2,780.07 | 2.09 | 501 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 4,361,953.51 | 22.50 |
| L14043-L14041 | 12 | 259 | 0.004 | 56.5 | 1,008,556.15 | 2.09 | 310 | 309 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,690,887.12 | 3.27 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| H07003-H07001 | 15 | 473 | 0.008 | 17.1 | 280,821.89 | 2.09 | 423 | 419 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,537,228.22 | 5.85 |
| D06009-D06007 | 8 | 282 | 0.007 | 29.5 | 146,555.01 | 2.09 | 528 | 526 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 777,281.36 | 4.01 |
| H12011-H12009 | 15 | 453 | 0.004 | 26.9 | 441,445.46 | 2.09 | 368 | 366 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,278,363.43 | 4.23 |
| G13087-G13085 | 10 | 46 | 0.007 | 24.2 | 173,613.09 | 2.09 | 384.3 | 384 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,351,438.29 | 4.18 |
| F13061-F13059 | 15 | 255 | 0.004 | 33.9 | 764,379.65 | 2.09 | 406 | 405 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,089,734.12 | 3.98 |
| L13015-K13071 | 12 | 286 | 0.003 | 100 | 2,606,661.89 | 2.09 | 322 | 321 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,609,094.24 | 3.11 |
| F19003-F19001 | 8 | 250 | 0.017 | 19.2 | 58,273.04 | 2.09 | 554 | 549.64 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,214,033.81 | 6.26 |
| F02099-F02098 | 8 | 262 | 0.006 | 36.3 | 181,263.85 | 2.09 | 534.63 | 533 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 727,999.30 | 3.75 |
| E09005-F09049 | 18 | 423 | 0.002 | 36.4 | 1,092,550.15 | 2.09 | 430 | 429 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 3,900,955.58 | 3.35 |
| F13059-F13057 | 15 | 250 | 0.004 | 33.7 | 765,122.77 | 2.09 | 405 | 404 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,120,478.50 | 4.02 |
| D10093-D10091 | 8 | 232 | 0.009 | 22.4 | 82,549.91 | 2.09 | 461 | 459 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 856,956.57 | 4.42 |
| F18003-F18001 | 12 | 79 | 0.013 | 16.6 | 135,292.98 | 2.09 | 529 | 528 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,061,617.65 | 5.92 |
| E09007-E09005 | 18 | 438 | 0.002 | 36.5 | 1,092,338.04 | 2.09 | 431 | 430 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 3,833,576.50 | 3.30 |
| J08011-J08009 | 15 | 360 | 0.008 | 17.5 | 299,713.31 | 2.1 | 411 | 408 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,504,022.76 | 5.81 |
| G06003-G06001 | 24 | 249 | 0.002 | 47.7 | 3,061,798.41 | 2.1 | 463.88 | 463.48 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 6,925,345.98 | 3.46 |
| G05099-G05097 | 12 | 345 | 0.006 | 26.2 | 311,958.00 | 2.1 | 487 | 485 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,071,905.52 | 4.01 |
| D05101-E05011 | 8 | 284 | 0.014 | 15.8 | 59,469.98 | 2.1 | 534 | 530 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,095,364.43 | 5.65 |
| G09027-G09025 | 8 | 19 | 0.005 | 41.9 | 222,175.24 | 2.1 | 419 | 418.9 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 669,593.16 | 3.45 |
| C06097-C06095 | 8 | 227 | 0.084 | 3.7 | 6,717.16 | 2.1 | 611 | 592 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,670,248.50 | 13.77 |
| F14059-F14057 | 15 | 305 | 0.01 | 16.3 | 248,430.34 | 2.11 | 432 | 429 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,893,300.73 | 6.31 |
| D03097-D03087 | 15 | 236 | 0.004 | 27.2 | 518,890.58 | 2.11 | 591 | 590 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,211,701.67 | 4.14 |
| F03157-F03155 | 12 | 155 | 0.006 | 24 | 275,102.81 | 2.11 | 541 | 540 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,185,740.75 | 4.23 |
| F06071-F06067 | 8 | 61 | 0.029 | 13.8 | 34,048.81 | 2.11 | 487.75 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,563,298.51 | 8.06 |
| G13055-G13047 | 8 | 302 | 0.013 | 18.6 | 55,270.11 | 2.11 | 401 | 397 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,062,219.65 | 5.48 |
| F13063-F13061 | 15 | 253 | 0.004 | 33.9 | 764,031.40 | 2.11 | 407 | 406 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,101,922.47 | 4.00 |
| J15009-J15007 | 12 | 131 | 0.008 | 19.8 | 165,657.30 | 2.11 | 330 | 329 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,377,545.57 | 4.60 |
| F08103-F08101 | 12 | 278 | 0.004 | 41.2 | 580,411.70 | 2.11 | 451 | 450 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,632,082.47 | 3.16 |
| E13015-D13033 | 8 | 250 | 0.004 | 90.8 | 607,679.43 | 2.11 | 422 | 421 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 583,737.78 | 3.01 |
| D03029-D03017 | 8 | 86 | 0.035 | 10.6 | 27,501.94 | 2.12 | 604 | 601 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,723,848.95 | 8.89 |
| D13033-D12009 | 10 | 255 | 0.004 | 73.3 | 663,288.39 | 2.12 | 421 | 420 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,047,959.31 | 3.24 |
| F02155-F02100 | 8 | 300 | 0.006 | 34.2 | 181,978.66 | 2.12 | 539.1 | 537.25 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 723,586.45 | 3.73 |
| J11091-J11090 | 8 | 16 | 0.034 | 16.7 | 34,774.08 | 2.12 | 372 | 371.46 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,695,605.03 | 8.74 |
| J14025-J14023 | 8 | 267 | 0.007 | 27.2 | 128,732.60 | 2.12 | 343 | 341 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 798,816.77 | 4.12 |
| C05013-C05011 | 8 | 270 | 0.033 | 8.8 | 25,122.03 | 2.12 | 631 | 622 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,685,105.82 | 8.69 |
| E10059-E10057 | 12 | 155 | 0.006 | 19.1 | 171,628.05 | 2.12 | 424 | 423 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,185,740.75 | 4.23 |
| E12049-E12047 | 8 | 281 | 0.007 | 33.1 | 183,897.90 | 2.12 | 416 | 414 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 778,663.19 | 4.02 |
| G12001-H12011 | 15 | 450 | 0.004 | 24.8 | 442,372.80 | 2.12 | 370 | 368 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,289,273.15 | 4.24 |
| H10033-H10031 | 12 | 415 | 0.01 | 17.8 | 180,767.40 | 2.13 | 399 | 395 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,671,593.91 | 5.17 |
| C10029-C10027 | 8 | 201 | 0.01 | 19.6 | 77,514.44 | 2.13 | 511 | 509 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 920,671.66 | 4.75 |
| G12003-G12001 | 15 | 446 | 0.004 | 24.6 | 432,372.06 | 2.13 | 372 | 370 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,303,990.33 | 4.26 |
| F14061-F14059 | 15 | 302 | 0.01 | 15.3 | 248,586.06 | 2.13 | 435 | 432 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,917,545.14 | 6.34 |
| F20024-F20022 | 8 | 350 | 0.081 | 5.8 | 10,150.24 | 2.13 | 639.08 | 610.78 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,624,502.57 | 13.54 |
| F16019-F16017 | 12 | 108 | 0.009 | 22 | 258,500.21 | 2.13 | 485 | 484 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,618,500.25 | 5.06 |
| E08047-E08045 | 15 | 336 | 0.006 | 19.6 | 271,075.36 | 2.14 | 461 | 459 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,806,594.00 | 4.91 |
| E02011-E02009 | 8 | 220 | 0.007 | 35.3 | 188,825.55 | 2.14 | 569 | 567.56 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 746,719.88 | 3.85 |
| D06007-D06005 | 8 | 266 | 0.008 | 29.6 | 151,258.82 | 2.14 | 526 | 524 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 800,316.90 | 4.13 |
| E02025-E02023 | 8 | 233 | 0.011 | 19.3 | 77,410.29 | 2.14 | 585.57 | 582.98 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 973,105.06 | 5.02 |
| D03099-D03097 | 15 | 230 | 0.004 | 27.1 | 519,986.22 | 2.14 | 592 | 591 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,253,323.73 | 4.19 |
| E09075-E09073 | 15 | 214 | 0.002 | 51.5 | 1,188,811.40 | 2.14 | 423 | 422.5 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,384,895.28 | 3.07 |
| F08089-F08083 | 12 | 263 | 0.004 | 46.8 | 597,923.40 | 2.14 | 447 | 446 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,677,979.40 | 3.25 |
| G09057-G09055 | 8 | 258 | 0.019 | 56.8 | 42,726.34 | 2.14 | 420 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,284,881.15 | 6.63 |
| E04075-E04073 | 8 | 391 | 0.01 | 24.7 | 124,425.91 | 2.14 | 554 | 550 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 933,532.46 | 4.81 |
| H13067-H13065 | 12 | 23 | 0.043 | 4.9 | 17,062.26 | 2.14 | 373 | 372 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 5,674,146.96 | 10.97 |
| E07047-E07045 | 8 | 234 | 0.004 | 52 | 322,257.99 | 2.15 | 489 | 488 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 603,364.67 | 3.11 |
| K11035-K11033 | 15 | 207 | 0.002 | 36.1 | 625,805.85 | 2.15 | 349.5 | 349 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,424,884.34 | 3.13 |
| E14001-F14061 | 15 | 302 | 0.01 | 15.3 | 248,346.90 | 2.15 | 438 | 435 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,917,545.14 | 6.34 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| D10079-D10077 | 8 | 257 | 0.016 | 15.6 | 48,518.15 | 2.15 | 461 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,151,466.32 | 5.94 |
| C06003-C06001 | 8 | 232 | 0.009 | 28.4 | 118,059.34 | 2.15 | 537 | 535 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 856,956.57 | 4.42 |
| G13079-G13077 | 10 | 320 | 0.006 | 28.5 | 195,246.17 | 2.15 | 382 | 380 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,322,983.77 | 4.09 |
| F20022-F20020 | 8 | 0 | 0.045 | 8.8 | 19,969.48 | 2.15 | 610.78 | 594.98 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,958,225.91 | 10.10 |
| F02161-F02158 | 8 | 360 | 0.006 | 34.9 | 184,054.98 | 2.15 | 542.29 | 540.18 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 703,680.83 | 3.63 |
| J11053-J11021 | 8 | 430 | 0.013 | 100 | 90,084.80 | 2.15 | 367 | 361.46 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,047,631.29 | 5.40 |
| D16005-D16003 | 15 | 299 | 0.013 | 12.9 | 172,117.47 | 2.16 | 486 | 482 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,706,707.34 | 7.36 |
| J08007-J08005 | 15 | 311 | 0.01 | 16.9 | 298,801.19 | 2.16 | 404 | 401 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,845,868.58 | 6.25 |
| C06095-C06093 | 8 | 287 | 0.087 | 4.1 | 7,153.52 | 2.16 | 592 | 567 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,724,061.22 | 14.05 |
| D11025-D11023 | 8 | 305 | 0.01 | 22 | 75,959.92 | 2.16 | 469.2 | 466 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 945,394.08 | 4.88 |
| D03105-D03103 | 8 | 345 | 0.017 | 18.8 | 84,380.52 | 2.17 | 605 | 599 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,217,177.41 | 6.28 |
| F06067-F06065 | 8 | 254 | 0.016 | 25 | 75,558.32 | 2.17 | 486 | 482 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,158,246.36 | 5.97 |
| F02158-F02157 | 8 | 300 | 0.006 | 47.3 | 183,679.85 | 2.17 | 540.18 | 539.36 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 722,008.54 | 3.72 |
| D06005-D06001 | 8 | 259 | 0.008 | 29.7 | 156,045.76 | 2.17 | 524 | 522 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 811,059.89 | 4.18 |
| K13063-K13061 | 12 | 163 | 0.006 | 23.1 | 198,300.77 | 2.17 | 338 | 337 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,131,428.14 | 4.12 |
| L14013-L13151 | 12 | 241 | 0.004 | 100 | 2,413,474.62 | 2.17 | 325 | 324 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,752,895.30 | 3.39 |
| D07123-D07121 | 8 | 212 | 0.014 | 18.2 | 68,406.48 | 2.17 | 482 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,097,944.79 | 5.66 |
| D06033-D06031 | 8 | 87 | 0.034 | 9.8 | 24,864.59 | 2.17 | 552 | 549 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,713,913.14 | 8.84 |
| D02019-D02015 | 12 | 356 | 0.006 | 27.7 | 340,486.57 | 2.18 | 600 | 598 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,039,644.59 | 3.94 |
| D03087-D03085 | 15 | 213 | 0.005 | 27.1 | 522,438.05 | 2.18 | 590 | 589 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,380,659.24 | 4.36 |
| J14027-J14025 | 8 | 251 | 0.008 | 27 | 130,277.38 | 2.18 | 345 | 343 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 823,883.76 | 4.25 |
| F10049-G10025 | 12 | 688 | 0.003 | 47 | 660,317.16 | 2.18 | 399 | 397 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,467,186.35 | 2.84 |
| D15077-D15075 | 8 | 87 | 0.161 | 3.3 | 4,369.29 | 2.19 | 576 | 562 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,702,475.55 | 19.10 |
| D04007-D04005 | 8 | 44 | 0.045 | 8.7 | 21,646.23 | 2.19 | 610 | 608 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,967,779.66 | 10.15 |
| E12045-E12043 | 12 | 226 | 0.004 | 44 | 725,059.57 | 2.19 | 418 | 417 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,810,132.14 | 3.50 |
| G09033-G09029 | 8 | 301 | 0.01 | 26.7 | 113,333.31 | 2.19 | 423 | 420 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 921,436.02 | 4.75 |
| C06099-C06097 | 8 | 343 | 0.102 | 3.5 | 5,842.97 | 2.19 | 646 | 611 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,948,321.02 | 15.21 |
| D04101-D04099 | 8 | 315 | 0.022 | 14 | 48,307.96 | 2.19 | 602 | 595 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,375,883.14 | 7.10 |
| H14001-J14035 | 8 | 277 | 0.014 | 16.9 | 65,150.58 | 2.2 | 355 | 351 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,109,118.42 | 5.72 |
| K13059-K13057 | 12 | 319 | 0.006 | 21.2 | 208,874.62 | 2.2 | 336 | 334 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,154,686.82 | 4.17 |
| F07099-F07085 | 10 | 265 | 0.008 | 27.3 | 236,494.15 | 2.2 | 477 | 475 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,453,806.38 | 4.50 |
| K10007-K10005 | 15 | 313 | 0.01 | 22.4 | 399,200.83 | 2.2 | 372 | 369 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,830,361.76 | 6.23 |
| D10037-D10029 | 8 | 237 | 0.013 | 16.9 | 64,521.46 | 2.2 | 455 | 452 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,038,422.91 | 5.36 |
| G13043-G13039 | 8 | 85 | 0.012 | 19.9 | 79,265.85 | 2.2 | 394 | 393 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,001,102.04 | 5.16 |
| H14011-H14009 | 8 | 183 | 0.016 | 15.2 | 53,410.51 | 2.21 | 370 | 367 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,181,742.60 | 6.09 |
| E14005-E14003 | 15 | 283 | 0.011 | 14.9 | 244,251.59 | 2.21 | 445 | 442 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,079,940.31 | 6.55 |
| E05049-E05107 | 8 | 263 | 0.008 | 30.9 | 166,512.13 | 2.21 | 543 | 541 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 804,868.50 | 4.15 |
| E10057-E10055 | 12 | 291 | 0.007 | 19.2 | 182,270.13 | 2.21 | 423 | 421 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,255,968.34 | 4.36 |
| E02027-E02025 | 8 | 207 | 0.012 | 18.9 | 77,638.27 | 2.21 | 588.03 | 585.57 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,006,167.27 | 5.19 |
| G09053-G09051 | 8 | 491 | 0.012 | 19.8 | 87,141.31 | 2.21 | 430 | 424 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,020,287.78 | 5.26 |
| K10003-K10001 | 15 | 207 | 0.01 | 20.5 | 406,408.35 | 2.21 | 368 | 366 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,849,768.68 | 6.25 |
| D09033-D09031 | 8 | 234 | 0.004 | 46 | 248,826.87 | 2.21 | 444 | 443 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 603,364.67 | 3.11 |
| K13057-K13055 | 12 | 319 | 0.006 | 24.9 | 217,544.91 | 2.22 | 334 | 332 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,154,686.82 | 4.17 |
| D16017-D16015 | 15 | 51 | 0.02 | 11.6 | 126,609.17 | 2.22 | 493 | 492 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 6,908,855.53 | 8.91 |
| F05161-F05159 | 8 | 243 | 0.399 | 2.7 | 1,594.37 | 2.22 | 593 | 496 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 5,831,369.18 | 30.07 |
| F16023-F16021 | 12 | 188 | 0.011 | 20.6 | 248,080.82 | 2.22 | 489 | 487 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,806,729.58 | 5.43 |
| E15059-E15057 | 8 | 121 | 0.017 | 18.1 | 85,283.42 | 2.22 | 460 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,186,615.78 | 6.12 |
| K13051-K13049 | 12 | 342 | 0.006 | 23.5 | 250,778.56 | 2.22 | 329 | 327 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,080,972.99 | 4.02 |
| E02023-E02021 | 8 | 190 | 0.012 | 20.3 | 84,405.33 | 2.22 | 582.98 | 580.75 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 999,915.82 | 5.16 |
| H12017-H12015 | 12 | 169 | 0.012 | 31 | 616,863.51 | 2.23 | 368 | 366 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,960,302.85 | 5.73 |
| E05105-E05103 | 8 | 262 | 0.008 | 35.6 | 178,079.68 | 2.23 | 538 | 536 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 806,403.05 | 4.16 |
| E05101-E05095 | 8 | 270 | 0.007 | 47.8 | 193,339.85 | 2.23 | 535 | 533 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 794,366.50 | 4.10 |
| J14035-J14033 | 8 | 217 | 0.014 | 20.7 | 71,669.47 | 2.23 | 351 | 348 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,085,221.95 | 5.60 |
| D05005-D05003 | 8 | 331 | 0.021 | 15.3 | 45,604.39 | 2.23 | 570 | 563 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,342,217.29 | 6.92 |
| K12037-K12035 | 8 | 281 | 0.014 | 33.1 | 70,627.63 | 2.23 | 345 | 341 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,101,196.04 | 5.68 |
| K13037-K13035 | 21 | 333 | 0.003 | 25.3 | 931,930.16 | 2.23 | 323 | 322 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 6,631,989.72 | 4.28 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| E05095-E05089 | 10 | 248 | 0.004 | 49.6 | 525,059.30 | 2.23 | 533 | 532 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,062,646.14 | 3.29 |
| F02169-F02167 | 8 | 82 | 0.027 | 16.8 | 33,202.94 | 2.23 | 547.13 | 544.63 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,513,269.70 | 7.80 |
| J14015-J14013 | 10 | 249 | 0.008 | 23.8 | 166,450.99 | 2.24 | 333 | 331 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,499,787.86 | 4.64 |
| D02051-D02019 | 10 | 315 | 0.006 | 32.6 | 295,552.12 | 2.24 | 602 | 600 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,333,442.30 | 4.13 |
| G12095-G12093 | 12 | 133 | 0.008 | 21.3 | 207,220.32 | 2.24 | 379 | 378 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,359,601.58 | 4.56 |
| D15007-D15005 | 8 | 12 | 0.027 | 13.7 | 42,655.19 | 2.24 | 477.32 | 477 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,507,204.47 | 7.77 |
| D06109-D06107 | 8 | 290 | 0.017 | 15.2 | 60,404.81 | 2.24 | 526 | 521 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,211,919.60 | 6.25 |
| D06119-E06021 | 8 | 331 | 0.012 | 20.3 | 88,835.79 | 2.24 | 522 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,014,620.90 | 5.23 |
| K11047-K11035 | 15 | 177 | 0.003 | 33.6 | 599,186.27 | 2.25 | 350 | 349.5 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,622,343.43 | 3.38 |
| C06029-C06027 | 8 | 256 | 0.043 | 8.2 | 19,939.65 | 2.25 | 567 | 556 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,913,216.72 | 9.87 |
| K13053-K13051 | 12 | 341 | 0.006 | 23.6 | 254,635.50 | 2.25 | 331 | 329 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,084,022.03 | 4.03 |
| D08055-D08053 | 12 | 142 | 0.035 | 8.2 | 50,593.96 | 2.25 | 483 | 478 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 5,106,288.26 | 9.88 |
| E15015-E15013 | 15 | 325 | 0.012 | 15.2 | 231,939.90 | 2.25 | 469 | 465 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,473,681.39 | 7.06 |
| D03055-D03009 | 15 | 190 | 0.005 | 26.2 | 538,716.19 | 2.25 | 587 | 586 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,579,434.33 | 4.62 |
| E06021-E06009 | 8 | 334 | 0.012 | 26.1 | 94,096.52 | 2.25 | 518 | 514 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,010,053.95 | 5.21 |
| D10013-D10011 | 12 | 336 | 0.002 | 100 | 1,332,101.98 | 2.26 | 433 | 432.46 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,090,917.07 | 2.11 |
| C06007-C06005 | 8 | 329 | 0.036 | 10.9 | 25,409.23 | 2.26 | 552 | 540 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,762,708.43 | 9.09 |
| J12023-J12007 | 30 | 23 | 0.012 | 14.3 | 531,902.73 | 2.26 | 358.09 | 357.81 | Vitrified Clay Pipe-Circular-30 inch | 4.9 | 34,566,304.56 | 10.91 |
| D09035-D09033 | 8 | 309 | 0.006 | 38.2 | 161,281.24 | 2.26 | 446 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 742,546.35 | 3.83 |
| D02015-D02013 | 12 | 313 | 0.006 | 27.4 | 343,822.94 | 2.26 | 598 | 596 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,175,240.73 | 4.21 |
| D05001-D06059 | 8 | 348 | 0.011 | 22.7 | 100,279.22 | 2.26 | 561 | 557 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 989,528.21 | 5.10 |
| F03137-F03089 | 15 | 182 | 0.005 | 24.6 | 486,843.73 | 2.27 | 527 | 526 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,657,257.22 | 4.72 |
| D02003-D03099 | 15 | 175 | 0.006 | 25.1 | 437,255.30 | 2.27 | 593 | 592 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,729,685.18 | 4.81 |
| D06143-D06141 | 8 | 16 | 0.012 | 20.7 | 82,745.89 | 2.27 | 503.5 | 503.3 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,031,912.36 | 5.32 |
| F18035-F18033 | 12 | 184 | 0.016 | 12.4 | 102,319.47 | 2.27 | 549 | 546 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,474,691.20 | 6.72 |
| F19011-F19010 | 12 | 204 | 0.031 | 8.7 | 44,604.02 | 2.27 | 570.27 | 563.97 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 4,770,433.46 | 9.23 |
| E10053-E10051 | 12 | 274 | 0.007 | 22.2 | 197,514.18 | 2.28 | 418 | 416 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,324,899.66 | 4.50 |
| J08005-J08003 | 15 | 291 | 0.01 | 18.1 | 316,694.68 | 2.28 | 401 | 398 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,009,626.32 | 6.46 |
| K11025-K11023 | 15 | 317 | 0.003 | 32.1 | 616,820.48 | 2.28 | 347 | 346 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,771,159.79 | 3.57 |
| E15001-E14021 | 15 | 228 | 0.009 | 21.5 | 333,817.96 | 2.28 | 455 | 453 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,621,029.85 | 5.96 |
| D02055-D02053 | 8 | 125 | 0.024 | 31 | 56,007.25 | 2.28 | 606 | 603 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,429,859.71 | 7.37 |
| D06111-D06109 | 8 | 291 | 0.021 | 14.4 | 52,473.08 | 2.28 | 532 | 526 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,325,308.36 | 6.84 |
| G04089-G04087 | 8 | 253 | 0.008 | 38 | 227,750.09 | 2.28 | 495 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 820,620.84 | 4.23 |
| K12033-K12031 | 15 | 286 | 0.003 | 37.1 | 766,148.65 | 2.28 | 340 | 339.2 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,609,475.22 | 3.36 |
| D12039-D12037 | 8 | 96 | 0.01 | 24.1 | 120,076.93 | 2.29 | 447 | 446 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 942,002.79 | 4.86 |
| K15033-K15021 | 8 | 31 | 0.008 | 33.1 | 153,515.29 | 2.29 | 314.25 | 314 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 828,851.95 | 4.27 |
| F11041-F11001 | 8 | 353 | 0.014 | 69.1 | 71,727.51 | 2.29 | 389 | 384.15 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,081,860.65 | 5.58 |
| D08025-D08023 | 10 | 59 | 0.003 | 68.4 | 729,549.64 | 2.29 | 478.32 | 478.15 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 898,282.55 | 2.78 |
| D11007-D11005 | 8 | 251 | 0.008 | 26.3 | 124,538.19 | 2.29 | 446 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 823,883.76 | 4.25 |
| D06061-D06059 | 8 | 248 | 0.016 | 20.2 | 70,579.86 | 2.29 | 561 | 557 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,172,173.67 | 6.05 |
| D12025-D12023 | 8 | 433 | 0.009 | 28.1 | 152,943.86 | 2.3 | 432 | 428 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 887,102.61 | 4.58 |
| D03107-D03105 | 8 | 351 | 0.02 | 17.5 | 84,637.22 | 2.3 | 612 | 605 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,303,416.66 | 6.72 |
| K13039-K13037 | 21 | 315 | 0.003 | 25.2 | 934,085.94 | 2.3 | 324 | 323 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 6,818,842.89 | 4.40 |
| D13101-D13099 | 8 | 289 | 0.166 | 4.4 | 5,159.66 | 2.3 | 505 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,761,486.47 | 19.40 |
| G13085-G13083 | 10 | 116 | 0.009 | 25.6 | 173,856.67 | 2.3 | 384 | 383 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,553,765.64 | 4.81 |
| J14021-J14019 | 8 | 130 | 0.008 | 31.1 | 169,363.97 | 2.31 | 339 | 338 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 809,498.65 | 4.17 |
| E08045-E08043 | 15 | 306 | 0.006 | 21.1 | 362,813.05 | 2.31 | 459 | 457.25 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,731,208.43 | 4.81 |
| E06053-E06041 | 10 | 302 | 0.01 | 20.6 | 147,940.99 | 2.32 | 505 | 502 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,667,906.36 | 5.16 |
| E13029-E13027 | 12 | 199 | 0.005 | 38.3 | 599,690.16 | 2.32 | 430 | 429 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,929,025.46 | 3.73 |
| F16029-F16027 | 12 | 54 | 0.019 | 16.8 | 172,131.80 | 2.32 | 492 | 491 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,703,118.57 | 7.16 |
| E03241-E03239 | 12 | 241 | 0.008 | 21.7 | 255,449.36 | 2.32 | 559 | 557 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,478,968.31 | 4.79 |
| F14105-F14103 | 12 | 212 | 0.009 | 24.4 | 346,298.11 | 2.32 | 434 | 432 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,643,087.65 | 5.11 |
| E16005-E16003 | 15 | 34 | 0.015 | 13.7 | 203,960.78 | 2.32 | 477.5 | 477 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,983,244.40 | 7.71 |
| E02021-E02019 | 8 | 187 | 0.012 | 20.9 | 96,148.49 | 2.32 | 580.75 | 578.53 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,005,642.20 | 5.19 |
| C10027-C10025 | 8 | 76 | 0.013 | 18.8 | 77,206.80 | 2.32 | 509 | 508 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,058,719.74 | 5.46 |
| D06131-D06125 | 8 | 329 | 0.018 | 16.1 | 58,915.58 | 2.32 | 534 | 528 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,246,423.08 | 6.43 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| F08105-F08103 | 12 | 106 | 0.005 | 39.6 | 575,243.27 | 2.32 | 451.5 | 451 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,868,945.20 | 3.61 |
| D09077-D09075 | 8 | 69 | 0.014 | 19.2 | 64,815.59 | 2.32 | 452 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,111,125.88 | 5.73 |
| F14113-F14111 | 12 | 205 | 0.01 | 23.7 | 330,551.48 | 2.32 | 446 | 444 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,687,834.76 | 5.20 |
| K11049-K11047 | 15 | 327 | 0.003 | 32.2 | 599,146.33 | 2.33 | 351 | 350 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,728,458.31 | 3.52 |
| J14019-J14017 | 8 | 250 | 0.008 | 30.6 | 168,393.45 | 2.33 | 338 | 336 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 825,529.89 | 4.26 |
| F05105-F05103 | 15 | 314 | 0.006 | 25.6 | 566,300.39 | 2.33 | 506 | 504 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,937,688.64 | 5.08 |
| E04073-E04071 | 8 | 387 | 0.013 | 30.3 | 127,865.94 | 2.33 | 550 | 545 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,049,101.06 | 5.41 |
| E07063-E07061 | 8 | 258 | 0.012 | 22.6 | 111,803.94 | 2.34 | 489 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 995,264.66 | 5.13 |
| F14103-F14081 | 12 | 205 | 0.01 | 24.5 | 347,338.24 | 2.34 | 432 | 430 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,687,834.76 | 5.20 |
| E07055-E08061 | 8 | 357 | 0.011 | 24.8 | 129,806.25 | 2.34 | 473.91 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 965,922.04 | 4.98 |
| D15071-D15069 | 8 | 144 | 0.125 | 4.8 | 7,534.57 | 2.34 | 508 | 490 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,263,193.40 | 16.83 |
| J06075-J06067 | 10 | 268 | 0.034 | 10.3 | 35,729.57 | 2.35 | 426.53 | 417.47 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 3,076,884.62 | 9.52 |
| D14085-D14083 | 10 | 266 | 0.023 | 12.1 | 71,730.30 | 2.35 | 451 | 445 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,513,328.84 | 7.78 |
| G08067-G08065 | 12 | 41 | 0.005 | 47.3 | 669,155.83 | 2.35 | 441.7 | 441.5 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,900,586.18 | 3.68 |
| F03145-F03143 | 15 | 180 | 0.006 | 26.2 | 488,051.02 | 2.35 | 531 | 530 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,677,519.18 | 4.74 |
| D12023-E12059 | 8 | 404 | 0.01 | 28.1 | 157,427.21 | 2.35 | 428 | 424 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 918,389.95 | 4.74 |
| D05103-D05101 | 8 | 278 | 0.022 | 14.6 | 51,243.87 | 2.35 | 540 | 534 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,355,941.75 | 6.99 |
| E12059-E12057 | 8 | 398 | 0.01 | 28.2 | 161,154.55 | 2.35 | 424 | 420 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 925,286.59 | 4.77 |
| D10083-D10081 | 8 | 347 | 0.027 | 10.9 | 33,079.40 | 2.36 | 479 | 469.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,527,161.17 | 7.88 |
| D09031-D09015 | 8 | 428 | 0.005 | 87.9 | 286,545.19 | 2.37 | 443 | 441 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 630,929.63 | 3.25 |
| E10045-F10073 | 12 | 405 | 0.005 | 34.4 | 361,809.82 | 2.37 | 408 | 406 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,912,282.21 | 3.70 |
| E12039-E12045 | 12 | 182 | 0.005 | 42.7 | 724,934.91 | 2.37 | 419 | 418 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,017,106.38 | 3.90 |
| D10011-D10009 | 12 | 361 | 0.002 | 93.1 | 1,360,170.66 | 2.37 | 432.46 | 431.8 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,163,544.14 | 2.25 |
| F07081-F07079 | 12 | 261 | 0.008 | 24.8 | 321,025.97 | 2.37 | 471 | 469 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,382,095.90 | 4.61 |
| F14055-F14053 | 15 | 14 | 0.014 | 19.3 | 250,477.54 | 2.37 | 427.2 | 427 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,897,150.06 | 7.60 |
| D11045-D11043 | 8 | 208 | 0.035 | 8.4 | 24,716.20 | 2.37 | 492.05 | 484.82 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,720,779.76 | 8.87 |
| E15009-E15007 | 15 | 289 | 0.01 | 17.1 | 308,104.67 | 2.37 | 461 | 458 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,026,930.78 | 6.48 |
| E09035-E09019 | 15 | 31 | 0.003 | 46.6 | 1,176,195.66 | 2.38 | 437.73 | 437.64 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,658,469.04 | 3.43 |
| F16015-F16013 | 12 | 244 | 0.012 | 20.1 | 266,271.67 | 2.38 | 483 | 480 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,017,381.42 | 5.84 |
| D13039-D13037 | 10 | 215 | 0.014 | 21.2 | 146,477.01 | 2.38 | 439 | 436 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,976,768.93 | 6.12 |
| F04145-F04141 | 15 | 320 | 0.006 | 25.4 | 549,606.16 | 2.38 | 520 | 518 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,900,598.13 | 5.03 |
| F16035-F16033 | 12 | 269 | 0.019 | 14.7 | 172,376.75 | 2.38 | 503 | 498 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,709,995.31 | 7.18 |
| E04069-E04047 | 10 | 326 | 0.009 | 26.6 | 248,551.46 | 2.38 | 543 | 540 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,605,337.45 | 4.97 |
| D06107-D06105 | 8 | 284 | 0.021 | 15.7 | 59,931.89 | 2.38 | 521 | 515 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,341,541.96 | 6.92 |
| F10071-F10069 | 12 | 567 | 0.004 | 41.2 | 574,158.03 | 2.39 | 404 | 402 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,616,173.44 | 3.13 |
| K12055-K12053 | 8 | 217 | 0.055 | 10.8 | 18,644.28 | 2.39 | 359 | 347 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,170,443.89 | 11.19 |
| K12021-K12019 | 15 | 349 | 0.003 | 41.2 | 937,555.52 | 2.39 | 337 | 336 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,641,061.33 | 3.41 |
| G15045-G15043 | 8 | 219 | 0.087 | 4.1 | 7,641.64 | 2.39 | 483 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,718,582.71 | 14.02 |
| G12005-G12003 | 15 | 453 | 0.011 | 19.3 | 221,892.65 | 2.39 | 377 | 372 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,183,547.71 | 6.68 |
| G05097-G05095 | 12 | 350 | 0.009 | 27.9 | 314,132.00 | 2.39 | 485 | 482 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,519,365.07 | 4.87 |
| K12057-K12055 | 8 | 34 | 0.059 | 6.6 | 18,671.00 | 2.39 | 361 | 359 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,238,532.20 | 11.55 |
| E07059-E07057 | 8 | 236 | 0.013 | 22.8 | 113,355.10 | 2.4 | 482 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,040,620.63 | 5.37 |
| F13067-F13065 | 15 | 177 | 0.006 | 30.6 | 753,985.71 | 2.4 | 410 | 409 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,708,553.65 | 4.78 |
| F10073-F10071 | 12 | 543 | 0.004 | 40.2 | 536,931.24 | 2.4 | 406 | 404 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,651,503.81 | 3.19 |
| E10047-E10045 | 12 | 404 | 0.005 | 29.5 | 362,274.18 | 2.4 | 410 | 408 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,914,647.43 | 3.70 |
| D11043-D11041 | 8 | 76 | 0.037 | 9.4 | 24,620.54 | 2.4 | 484.82 | 482.03 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,768,410.61 | 9.12 |
| E12047-E12011 | 8 | 97 | 0.01 | 48.6 | 184,115.42 | 2.4 | 414 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 937,134.53 | 4.83 |
| E07015-E07013 | 12 | 47 | 0.021 | 10.5 | 71,517.64 | 2.4 | 482 | 481 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,969,315.03 | 7.68 |
| E15007-E15003 | 15 | 196 | 0.01 | 19.5 | 326,702.10 | 2.4 | 458 | 456 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,984,001.47 | 6.43 |
| F12107-F12105 | 18 | 269 | 0.004 | 36.3 | 1,371,199.01 | 2.4 | 400 | 399 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 4,891,758.96 | 4.20 |
| E06017-E06011 | 8 | 310 | 0.013 | 22.6 | 108,674.61 | 2.4 | 522 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,048,424.00 | 5.41 |
| F12105-F12095 | 18 | 268 | 0.004 | 36.5 | 1,388,527.03 | 2.4 | 399 | 398 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 4,900,876.87 | 4.21 |
| E12057-E12049 | 8 | 371 | 0.011 | 30.5 | 164,500.53 | 2.41 | 420 | 416 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 958,364.79 | 4.94 |
| G08071-G08069 | 12 | 195 | 0.005 | 49.3 | 664,341.16 | 2.41 | 443 | 442 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,948,709.90 | 3.77 |
| C10007-D10093 | 8 | 240 | 0.017 | 18.1 | 59,835.07 | 2.41 | 465 | 461 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,191,549.76 | 6.15 |
| F12083-F12081 | 21 | 255 | 0.004 | 32.4 | 1,441,526.25 | 2.41 | 397 | 396 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 7,578,720.15 | 4.89 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| K12067-K12065 | 12 | 309 | 0.01 | 16.3 | 154,689.54 | 2.41 | 348 | 345 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,681,302.95 | 5.19 |
| E15013-E15009 | 15 | 363 | 0.011 | 16.5 | 298,325.25 | 2.41 | 465 | 461 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,179,262.02 | 6.68 |
| C10025-C10023 | 8 | 150 | 0.013 | 19.2 | 85,808.03 | 2.41 | 508 | 506 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,065,754.50 | 5.50 |
| D10113-D10015 | 8 | 84 | 0.023 | 100 | 41,860.57 | 2.41 | 435.72 | 433.78 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,402,649.07 | 7.23 |
| D09021-D09019 | 8 | 359 | 0.006 | 42.3 | 257,184.52 | 2.42 | 449 | 447 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 688,899.04 | 3.55 |
| E09077-E09075 | 15 | 311 | 0.003 | 47.7 | 1,189,436.49 | 2.42 | 424 | 423 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,797,763.53 | 3.61 |
| F10013-F10011 | 24 | 363 | 0.003 | 34.8 | 2,358,132.08 | 2.42 | 414 | 413 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 9,068,967.40 | 4.53 |
| F16033-F16031 | 12 | 251 | 0.02 | 18.4 | 172,301.52 | 2.43 | 498 | 493 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,840,719.93 | 7.43 |
| F02162-F02161 | 8 | 208 | 0.014 | 27 | 86,848.90 | 2.43 | 545.19 | 542.29 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,087,210.56 | 5.61 |
| D10081-D10079 | 8 | 341 | 0.025 | 12.8 | 41,701.26 | 2.43 | 469.5 | 461 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,457,203.08 | 7.52 |
| E10049-E10047 | 12 | 509 | 0.006 | 27.7 | 308,484.82 | 2.43 | 413 | 410 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,089,133.70 | 4.04 |
| H07009-H07007 | 15 | 308 | 0.014 | 15.8 | 260,921.08 | 2.44 | 435.26 | 431 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,802,573.37 | 7.48 |
| E10051-E10049 | 12 | 489 | 0.006 | 25.3 | 284,428.83 | 2.44 | 416 | 413 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,131,428.14 | 4.12 |
| E14003-E14001 | 15 | 284 | 0.014 | 14.6 | 246,491.03 | 2.44 | 442 | 438 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,855,473.57 | 7.55 |
| F12095-F12083 | 18 | 259 | 0.004 | 36.6 | 1,422,248.64 | 2.44 | 398 | 397 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 4,985,300.10 | 4.29 |
| D05125-D05123 | 15 | 343 | 0.006 | 29.2 | 701,323.10 | 2.45 | 564 | 562 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,767,550.98 | 4.86 |
| E04045-E05095 | 10 | 336 | 0.009 | 39.2 | 285,766.48 | 2.45 | 536 | 533 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,581,268.05 | 4.89 |
| F15101-F15099 | 12 | 248 | 0.012 | 21.4 | 299,287.70 | 2.45 | 467 | 464 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,992,948.78 | 5.79 |
| E05031-E05029 | 18 | 325 | 0.003 | 38.7 | 1,413,787.96 | 2.45 | 520 | 519 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 4,450,404.73 | 3.83 |
| D10071-D10023 | 10 | 332 | 0.003 | 100 | 680,318.24 | 2.45 | 437 | 436 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 918,428.74 | 2.84 |
| G09051-G09041 | 8 | 183 | 0.016 | 19.8 | 90,196.41 | 2.45 | 424 | 421 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,181,742.60 | 6.09 |
| J14101-J14099 | 8 | 252 | 0.024 | 17.8 | 53,128.43 | 2.45 | 346 | 340 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,424,174.36 | 7.35 |
| H10013-H10011 | 12 | 465 | 0.008 | 27.3 | 318,063.67 | 2.45 | 391.5 | 388 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,360,869.84 | 4.57 |
| J08009-J08007 | 15 | 295 | 0.014 | 16.2 | 299,176.20 | 2.46 | 408 | 404 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,745,266.61 | 7.41 |
| F05069-F05039 | 21 | 386 | 0.003 | 39.9 | 2,068,831.48 | 2.46 | 502 | 501 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 6,159,880.81 | 3.97 |
| J11029-J11027 | 15 | 176 | 0.006 | 26.3 | 564,546.03 | 2.46 | 376 | 375 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,719,074.39 | 4.80 |
| D04069-D04063 | 15 | 350 | 0.006 | 29 | 685,244.47 | 2.46 | 571 | 569 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,729,685.18 | 4.81 |
| F15097-F15095 | 12 | 247 | 0.012 | 21.6 | 306,952.93 | 2.46 | 460 | 457 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,999,001.26 | 5.80 |
| G13095-G13093 | 10 | 102 | 0.01 | 21.9 | 173,907.52 | 2.46 | 389 | 388 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,656,969.15 | 5.13 |
| D04081-D04079 | 8 | 286 | 0.021 | 16.6 | 79,602.72 | 2.46 | 586 | 580 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,336,843.03 | 6.89 |
| D09013-D10071 | 10 | 329 | 0.003 | 100 | 672,702.76 | 2.47 | 438 | 437 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 922,606.61 | 2.85 |
| D04033-D04031 | 12 | 279 | 0.025 | 10.2 | 87,233.23 | 2.47 | 614 | 607 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 4,310,338.89 | 8.34 |
| E12003-E12001 | 18 | 249 | 0.004 | 35.1 | 1,344,844.47 | 2.47 | 403 | 402 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 5,084,421.13 | 4.37 |
| F04135-F05113 | 15 | 270 | 0.007 | 26.2 | 551,729.00 | 2.47 | 511 | 509 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,246,433.38 | 5.48 |
| D04027-D04025 | 12 | 275 | 0.022 | 11 | 101,799.89 | 2.48 | 600 | 594 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 4,019,516.13 | 7.77 |
| D15003-E15021 | 8 | 296 | 0.027 | 16.5 | 58,640.69 | 2.48 | 475 | 467 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,517,354.11 | 7.83 |
| D09051-D09049 | 8 | 104 | 0.115 | 6 | 7,059.47 | 2.48 | 467.4 | 455.4 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,135,174.81 | 16.17 |
| E06011-E06009 | 8 | 318 | 0.013 | 27.6 | 126,007.57 | 2.48 | 518 | 514 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,035,152.28 | 5.34 |
| D10025-D10023 | 8 | 331 | 0.009 | 100 | 150,743.56 | 2.48 | 439 | 436 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 878,687.48 | 4.53 |
| F02100-F02099 | 8 | 262 | 0.01 | 32.1 | 181,326.45 | 2.48 | 537.25 | 534.63 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 919,467.73 | 4.74 |
| E08073-E08045 | 8 | 336 | 0.018 | 28.5 | 82,265.00 | 2.48 | 465 | 459 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,233,371.17 | 6.36 |
| E05011-E05001 | 8 | 291 | 0.021 | 19.8 | 67,577.63 | 2.48 | 530 | 524 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,325,308.36 | 6.84 |
| D03061-D03055 | 15 | 145 | 0.007 | 25.3 | 535,745.76 | 2.48 | 588 | 587 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,097,389.01 | 5.28 |
| G09023-G09021 | 8 | 275 | 0.007 | 43.1 | 255,695.74 | 2.48 | 418 | 416 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 787,111.86 | 4.06 |
| E05051-E05049 | 8 | 271 | 0.011 | 28.9 | 154,567.61 | 2.49 | 546 | 543 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 971,099.63 | 5.01 |
| E14021-E14071 | 8 | 246 | 0.008 | 46.6 | 368,277.11 | 2.49 | 453 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 832,214.45 | 4.29 |
| C05017-C05015 | 8 | 198 | 0.066 | 6.7 | 18,220.77 | 2.5 | 660 | 647 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,364,976.82 | 12.20 |
| G15043-G15041 | 8 | 174 | 0.086 | 4.3 | 9,678.72 | 2.5 | 464 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,709,934.62 | 13.98 |
| D05123-D05121 | 15 | 321 | 0.006 | 28.9 | 711,414.71 | 2.5 | 562 | 560 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,894,517.69 | 5.02 |
| D05057-D05055 | 15 | 184 | 0.016 | 11.1 | 162,355.97 | 2.5 | 587 | 584 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 6,300,034.32 | 8.12 |
| F04147-F04145 | 15 | 143 | 0.008 | 23.8 | 487,809.36 | 2.5 | 521.2 | 520 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,519,743.65 | 5.83 |
| C10017-D10131 | 8 | 336 | 0.012 | 22.6 | 113,146.83 | 2.51 | 494 | 490 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,007,043.35 | 5.19 |
| K13065-K13063 | 12 | 109 | 0.009 | 19.7 | 199,217.86 | 2.51 | 339 | 338 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,606,461.11 | 5.04 |
| D06125-D06119 | 8 | 340 | 0.018 | 18.7 | 80,565.58 | 2.51 | 528 | 522 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,226,094.58 | 6.32 |
| J12013-J12011 | 21 | 53 | 0.006 | 24.3 | 791,786.49 | 2.51 | 359 | 358.68 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 9,403,792.02 | 6.06 |
| D10021-D10015 | 12 | 300 | 0.002 | 100 | 1,245,287.22 | 2.51 | 434.43 | 433.78 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,266,661.44 | 2.45 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| J14031-J14029 | 8 | 54 | 0.019 | 23.6 | 78,033.71 | 2.51 | 347 | 346 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,256,003.72 | 6.48 |
| E03235-F03161 | 12 | 297 | 0.01 | 21.5 | 276,268.38 | 2.52 | 552 | 549 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,734,934.32 | 5.29 |
| E08061-E08059 | 8 | 364 | 0.014 | 30.9 | 130,217.56 | 2.52 | 470 | 465 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,081,738.08 | 5.58 |
| D04063-D04061 | 15 | 320 | 0.006 | 28.4 | 687,844.27 | 2.52 | 569 | 567 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,900,598.13 | 5.03 |
| E14065-E14063 | 8 | 264 | 0.008 | 50.9 | 413,866.19 | 2.52 | 443 | 441 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 803,342.68 | 4.14 |
| G09041-G09039 | 8 | 66 | 0.015 | 24.8 | 108,813.87 | 2.52 | 421 | 420 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,136,098.12 | 5.86 |
| D09065-D10111 | 12 | 338 | 0.006 | 51.5 | 318,255.28 | 2.53 | 437 | 435 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,093,250.22 | 4.05 |
| F09045-F09015 | 18 | 443 | 0.005 | 30.5 | 1,092,468.17 | 2.53 | 427 | 425 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 5,390,813.70 | 4.63 |
| E03237-E03235 | 12 | 299 | 0.01 | 21.5 | 276,994.28 | 2.53 | 555 | 552 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,725,772.03 | 5.27 |
| D09043-D09041 | 8 | 95 | 0.011 | 24.4 | 123,461.19 | 2.53 | 449 | 448 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 946,947.72 | 4.88 |
| K12069-K12067 | 8 | 183 | 0.011 | 25.1 | 133,513.03 | 2.53 | 350 | 348 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 964,888.79 | 4.98 |
| G04091-G04089 | 8 | 286 | 0.01 | 34.7 | 227,521.49 | 2.54 | 498 | 495 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 945,290.77 | 4.88 |
| E15057-E15029 | 8 | 418 | 0.022 | 27.9 | 95,923.07 | 2.54 | 458 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,354,318.84 | 6.98 |
| D12035-D12033 | 8 | 282 | 0.014 | 24.9 | 119,959.26 | 2.54 | 440 | 436 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,099,241.84 | 5.67 |
| D04029-D04027 | 12 | 170 | 0.024 | 10.8 | 100,445.97 | 2.54 | 604 | 600 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 4,174,169.04 | 8.07 |
| J12059-J12053 | 10 | 76 | 0.026 | 37 | 102,644.21 | 2.54 | 361 | 359 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,714,705.42 | 8.40 |
| D04037-D04035 | 12 | 298 | 0.027 | 9.6 | 84,958.28 | 2.54 | 631 | 623 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 4,458,629.24 | 8.62 |
| D08001-E08005 | 15 | 310 | 0.003 | 44.9 | 1,162,414.03 | 2.54 | 451 | 450 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,802,272.42 | 3.61 |
| E05107-E05105 | 8 | 264 | 0.011 | 30.1 | 171,945.31 | 2.55 | 541 | 538 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 983,889.83 | 5.07 |
| K12019-K13047 | 15 | 283 | 0.004 | 38.8 | 935,094.94 | 2.55 | 336 | 335 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,932,904.90 | 3.78 |
| D10075-D10073 | 8 | 340 | 0.009 | 29.9 | 168,904.38 | 2.55 | 456 | 453 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 866,979.79 | 4.47 |
| F04137-F04135 | 15 | 252 | 0.008 | 24.1 | 551,578.76 | 2.55 | 513 | 511 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,395,476.14 | 5.67 |
| F04141-F04139 | 15 | 258 | 0.008 | 24 | 550,483.88 | 2.55 | 518 | 516 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,344,065.29 | 5.60 |
| E07057-E07055 | 8 | 370 | 0.014 | 24 | 129,385.71 | 2.55 | 479 | 473.91 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,082,544.70 | 5.58 |
| D11027-D11025 | 8 | 220 | 0.021 | 16.7 | 57,826.54 | 2.55 | 473.8 | 469.2 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,334,613.10 | 6.88 |
| E12011-E12009 | 15 | 574 | 0.005 | 35.8 | 978,523.32 | 2.55 | 413 | 410 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,566,940.63 | 4.60 |
| G10011-G10009 | 24 | 567 | 0.004 | 32.7 | 2,378,979.45 | 2.56 | 406 | 404 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 10,262,061.70 | 5.12 |
| F15119-F15117 | 12 | 195 | 0.015 | 19.2 | 270,716.93 | 2.56 | 473 | 470 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,375,264.56 | 6.53 |
| F12065-F11017 | 24 | 276 | 0.004 | 32 | 2,309,761.84 | 2.57 | 394 | 393 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 10,400,557.33 | 5.19 |
| F16013-F15121 | 12 | 257 | 0.016 | 19 | 267,741.67 | 2.57 | 480 | 476 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,394,907.39 | 6.57 |
| H11033-H11025 | 39 | 154 | 0.001 | 50.6 | 11,292,427.51 | 2.57 | 369.19 | 369 | Vitrified Clay Pipe-Circular-39 inch | 8.3 | 22,151,504.79 | 4.13 |
| G08059-G08057 | 12 | 82 | 0.006 | 39.6 | 703,396.74 | 2.57 | 440 | 439.5 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,124,919.95 | 4.11 |
| F15121-F15119 | 12 | 193 | 0.016 | 19.1 | 269,214.94 | 2.57 | 476 | 473 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,392,707.91 | 6.56 |
| D08033-D08031 | 10 | 148 | 0.007 | 34 | 341,294.33 | 2.57 | 470 | 469 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,375,573.03 | 4.26 |
| D09045-D09043 | 8 | 91 | 0.011 | 24.3 | 123,653.18 | 2.58 | 450 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 967,535.95 | 4.99 |
| F07065-F07063 | 12 | 334 | 0.009 | 25.5 | 367,482.91 | 2.58 | 463 | 460 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,579,003.27 | 4.99 |
| F07063-F08111 | 12 | 328 | 0.009 | 25.5 | 369,715.84 | 2.58 | 460 | 457 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,602,484.81 | 5.03 |
| F03153-F03151 | 12 | 259 | 0.012 | 21.4 | 281,978.91 | 2.59 | 537 | 534 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,928,702.40 | 5.66 |
| D04031-D04029 | 12 | 121 | 0.025 | 10.6 | 99,788.67 | 2.59 | 607 | 604 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 4,284,818.60 | 8.29 |
| H12009-H12007 | 8 | 145 | 0.007 | 54.4 | 440,775.96 | 2.59 | 366 | 365 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 766,485.26 | 3.95 |
| F05073-F05071 | 21 | 342 | 0.003 | 38.5 | 2,054,472.39 | 2.59 | 504 | 503 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 6,544,144.92 | 4.22 |
| J14023-J14021 | 8 | 164 | 0.012 | 28.3 | 144,874.08 | 2.59 | 341 | 339 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,019,250.38 | 5.26 |
| F10011-F10005 | 24 | 292 | 0.003 | 32.9 | 2,358,293.11 | 2.59 | 413 | 412 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 10,111,596.42 | 5.05 |
| F10001-G10011 | 24 | 558 | 0.004 | 32.7 | 2,369,543.66 | 2.59 | 408 | 406 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 10,344,489.22 | 5.16 |
| F15117-F15101 | 12 | 186 | 0.016 | 20.2 | 271,819.61 | 2.59 | 470 | 467 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,455,959.57 | 6.68 |
| D03083-D03107 | 8 | 286 | 0.028 | 16.6 | 84,817.63 | 2.6 | 620 | 612 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,543,653.37 | 7.96 |
| F03155-F03153 | 12 | 261 | 0.011 | 21 | 281,618.66 | 2.6 | 540 | 537 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,917,459.74 | 5.64 |
| D10015-D10013 | 12 | 336 | 0.002 | 100 | 1,318,100.24 | 2.6 | 433.78 | 433 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,311,119.15 | 2.54 |
| H12035-H12033 | 12 | 92 | 0.022 | 10.1 | 85,593.17 | 2.61 | 362 | 360 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 4,012,227.79 | 7.76 |
| C04039-C04037 | 8 | 296 | 0.05 | 8.9 | 34,257.25 | 2.61 | 740.51 | 725.61 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,070,785.36 | 10.68 |
| D17015-D17013 | 15 | 58 | 0.034 | 10.1 | 115,041.82 | 2.61 | 499 | 497 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 9,162,040.36 | 11.81 |
| J14017-J14015 | 10 | 246 | 0.012 | 21.4 | 166,749.55 | 2.61 | 336 | 333 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,848,023.90 | 5.72 |
| E05053-E05051 | 8 | 260 | 0.015 | 24.3 | 117,683.09 | 2.62 | 550 | 546 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,144,803.98 | 5.90 |
| D08021-D08019 | 10 | 247 | 0.004 | 62.2 | 754,789.31 | 2.62 | 476 | 475 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,064,795.07 | 3.29 |
| D02013-D02011 | 12 | 246 | 0.008 | 30.7 | 415,590.42 | 2.62 | 596 | 594 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,453,646.21 | 4.75 |
| D07105-D07103 | 8 | 277 | 0.018 | 19.6 | 96,878.42 | 2.62 | 508 | 503 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,240,032.09 | 6.40 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| G05089-G06013 | 24 | 866 | 0.003 | 40.8 | 3,090,704.28 | 2.62 | 472.8 | 470.54 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 8,826,863.83 | 4.41 |
| C04023-D04037 | 8 | 336 | 0.027 | 15.2 | 75,701.41 | 2.63 | 640 | 631 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,510,565.02 | 7.79 |
| F10069-F10067 | 12 | 208 | 0.005 | 44.2 | 577,189.52 | 2.63 | 402 | 401 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,886,830.25 | 3.65 |
| E07061-E07059 | 8 | 246 | 0.016 | 21.6 | 112,516.98 | 2.63 | 486 | 482 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,176,928.96 | 6.07 |
| C06017-C06015 | 8 | 273 | 0.029 | 17.1 | 53,381.35 | 2.63 | 547 | 539 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,579,979.59 | 8.15 |
| F11017-F11009 | 24 | 259 | 0.004 | 31.8 | 2,349,443.65 | 2.63 | 393 | 392 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 10,736,463.97 | 5.36 |
| D04025-D05057 | 12 | 271 | 0.026 | 12.2 | 103,442.67 | 2.63 | 594 | 587 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 4,373,497.40 | 8.46 |
| F14081-F14053 | 12 | 257 | 0.012 | 27.6 | 393,521.16 | 2.63 | 430 | 427 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,940,076.05 | 5.69 |
| G15063-G15061 | 8 | 320 | 0.084 | 5 | 13,021.40 | 2.64 | 490 | 463 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,680,986.95 | 13.83 |
| E06041-E06039 | 10 | 323 | 0.012 | 21.1 | 181,617.36 | 2.64 | 502 | 498 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,862,272.56 | 5.76 |
| D05067-D05057 | 8 | 317 | 0.041 | 15.8 | 46,408.46 | 2.65 | 600 | 587 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,869,088.44 | 9.64 |
| F08095-F08089 | 12 | 144 | 0.007 | 38.1 | 591,670.38 | 2.65 | 448 | 447 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,267,687.74 | 4.39 |
| G14065-G14059 | 8 | 173 | 0.035 | 17.6 | 61,264.29 | 2.65 | 409 | 403 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,718,859.51 | 8.86 |
| E07051-E07049 | 8 | 370 | 0.008 | 47.1 | 291,448.33 | 2.65 | 493 | 490 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 831,089.07 | 4.29 |
| D06011-D06009 | 8 | 284 | 0.014 | 26.9 | 143,072.28 | 2.65 | 532 | 528 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,095,364.43 | 5.65 |
| K11019-K12035 | 15 | 219 | 0.005 | 31 | 696,489.86 | 2.65 | 342 | 341 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,334,027.23 | 4.30 |
| E10055-E10053 | 12 | 260 | 0.012 | 18.5 | 189,067.94 | 2.65 | 421 | 418 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,923,064.86 | 5.65 |
| C06055-C06053 | 8 | 160 | 0.1 | 7.2 | 12,940.31 | 2.65 | 604 | 588 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,918,688.90 | 15.05 |
| C05015-C05013 | 8 | 249 | 0.064 | 7.8 | 24,041.64 | 2.65 | 647 | 631 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,339,635.08 | 12.07 |
| D04035-D04033 | 12 | 295 | 0.031 | 9.6 | 86,279.28 | 2.66 | 623 | 614 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 4,753,075.85 | 9.19 |
| D08027-D08023 | 8 | 37 | 0.077 | 33.4 | 17,143.23 | 2.66 | 481 | 478.15 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,561,588.56 | 13.21 |
| C01003-D01017 | 8 | 321 | 0.009 | 34.3 | 225,100.89 | 2.66 | 634 | 631 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 892,269.23 | 4.60 |
| F12067-F12065 | 24 | 250 | 0.004 | 31.5 | 2,284,435.26 | 2.66 | 395 | 394 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 10,928,011.64 | 5.45 |
| F11009-F11007 | 24 | 251 | 0.004 | 34.1 | 2,383,282.99 | 2.67 | 392 | 391 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 10,906,220.96 | 5.44 |
| K12009-K12007 | 8 | 278 | 0.031 | 37.7 | 58,728.55 | 2.67 | 371 | 362.33 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,629,952.54 | 8.41 |
| F13057-F12079 | 15 | 247 | 0.008 | 30.9 | 765,878.91 | 2.67 | 404 | 402 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,439,741.87 | 5.72 |
| E09079-E09077 | 15 | 238 | 0.004 | 43.8 | 1,184,863.98 | 2.67 | 425 | 424 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,198,178.66 | 4.12 |
| G08049-G09073 | 24 | 339 | 0.003 | 43.9 | 3,748,591.14 | 2.67 | 429 | 428 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 9,384,503.57 | 4.68 |
| D06027-D06025 | 8 | 213 | 0.023 | 22.5 | 76,176.11 | 2.67 | 543 | 538 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,414,109.40 | 7.29 |
| D06057-D06055 | 10 | 272 | 0.011 | 23.2 | 206,082.19 | 2.67 | 550 | 547 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,757,481.18 | 5.44 |
| D01011-D01009 | 8 | 303 | 0.01 | 34.7 | 237,717.79 | 2.67 | 620 | 617 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 918,389.95 | 4.74 |
| C01005-C01003 | 8 | 322 | 0.009 | 34.2 | 223,766.30 | 2.67 | 637 | 634 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 890,882.65 | 4.59 |
| F03089-F03085 | 15 | 112 | 0.009 | 24.5 | 486,803.13 | 2.68 | 526 | 525 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,662,106.48 | 6.01 |
| F03151-F03145 | 12 | 259 | 0.012 | 26.3 | 305,705.85 | 2.68 | 534 | 531 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,928,702.40 | 5.66 |
| D10065-D10025 | 8 | 288 | 0.031 | 19.6 | 42,416.28 | 2.69 | 448 | 439 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,631,596.70 | 8.41 |
| D08015-D08013 | 10 | 304 | 0.003 | 100 | 1,106,390.02 | 2.69 | 468 | 467 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 959,793.31 | 2.97 |
| D01013-D01011 | 8 | 303 | 0.01 | 34.7 | 236,500.64 | 2.69 | 623 | 620 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 918,389.95 | 4.74 |
| E09009-E09007 | 18 | 444 | 0.005 | 33.5 | 1,092,818.04 | 2.69 | 433 | 431 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 5,384,739.54 | 4.63 |
| D14051-D14049 | 8 | 75 | 0.169 | 4.8 | 8,710.05 | 2.69 | 467 | 454.36 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,789,053.28 | 19.54 |
| F15091-F15089 | 12 | 254 | 0.016 | 20.6 | 312,632.07 | 2.69 | 453 | 449 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,414,897.21 | 6.60 |
| E12007-E12005 | 15 | 350 | 0.006 | 40.9 | 1,082,292.04 | 2.7 | 406 | 404 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,729,685.18 | 4.81 |
| F13065-F13063 | 15 | 250 | 0.008 | 30.9 | 753,714.35 | 2.7 | 409 | 407 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,413,023.02 | 5.69 |
| F08097-F08095 | 12 | 135 | 0.007 | 34.5 | 590,102.71 | 2.71 | 449 | 448 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,342,057.83 | 4.53 |
| F19013-F19011 | 8 | 350 | 0.051 | 9.8 | 37,494.34 | 2.71 | 588 | 570.27 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,077,342.72 | 10.71 |
| F17017-F17015 | 12 | 258 | 0.028 | 16.6 | 141,194.71 | 2.71 | 522.5 | 515.23 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 4,567,955.35 | 8.83 |
| E13025-E13023 | 12 | 377 | 0.008 | 50.5 | 604,192.98 | 2.71 | 427 | 424 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,427,473.24 | 4.69 |
| C04027-C04025 | 8 | 231 | 0.039 | 11.8 | 53,737.66 | 2.71 | 656 | 647 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,821,809.96 | 9.40 |
| F15099-F15097 | 12 | 247 | 0.016 | 20.8 | 303,114.30 | 2.72 | 464 | 460 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,462,948.37 | 6.70 |
| E09037-E09035 | 15 | 306 | 0.004 | 44.3 | 1,175,546.61 | 2.72 | 439 | 437.73 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,178,574.15 | 4.10 |
| K13045-K13043 | 15 | 228 | 0.004 | 36.6 | 935,514.70 | 2.72 | 334 | 333 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,267,561.54 | 4.21 |
| E04047-E04045 | 10 | 335 | 0.012 | 27.7 | 283,912.77 | 2.72 | 540 | 536 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,828,614.25 | 5.66 |
| F15095-F15091 | 12 | 247 | 0.016 | 20.3 | 310,380.48 | 2.72 | 457 | 453 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,462,948.37 | 6.70 |
| D03007-D04113 | 15 | 360 | 0.008 | 24.5 | 591,559.93 | 2.72 | 583 | 580 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,504,022.76 | 5.81 |
| J11039-J11035 | 15 | 125 | 0.008 | 28.4 | 523,048.03 | 2.73 | 378 | 377 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,413,023.02 | 5.69 |
| D09017-D09015 | 8 | 309 | 0.006 | 87.9 | 336,940.44 | 2.73 | 443 | 441 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 742,546.35 | 3.83 |
| K13047-K13045 | 15 | 227 | 0.004 | 36.6 | 933,266.93 | 2.73 | 335 | 334 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,274,750.90 | 4.22 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| D03009-D03007 | 15 | 350 | 0.009 | 24.2 | 578,257.31 | 2.74 | 586 | 583 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,567,912.80 | 5.89 |
| D07103-D07101 | 8 | 272 | 0.018 | 21 | 113,026.56 | 2.75 | 503 | 498 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,251,377.54 | 6.45 |
| D07069-D07067 | 8 | 336 | 0.012 | 37.5 | 208,267.64 | 2.75 | 516 | 512 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,007,043.35 | 5.19 |
| D06145-D06143 | 10 | 21 | 0.024 | 13.8 | 82,790.87 | 2.75 | 504 | 503.5 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,582,199.92 | 7.99 |
| F14109-F14107 | 12 | 186 | 0.016 | 21.1 | 333,488.51 | 2.76 | 441 | 438 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,455,959.57 | 6.68 |
| D09071-D09069 | 10 | 346 | 0.012 | 21.9 | 174,823.09 | 2.77 | 446 | 442 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,799,311.91 | 5.57 |
| C04025-C04023 | 8 | 169 | 0.041 | 13.4 | 54,047.74 | 2.77 | 647 | 640 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,878,423.34 | 9.69 |
| F14111-F14109 | 12 | 186 | 0.016 | 21 | 332,003.54 | 2.77 | 444 | 441 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,455,959.57 | 6.68 |
| E06001-E07031 | 8 | 225 | 0.009 | 39.8 | 290,641.84 | 2.77 | 501 | 499 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 870,184.91 | 4.49 |
| E05097-E05095 | 8 | 16 | 0.063 | 35.9 | 46,020.61 | 2.78 | 534 | 533 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,307,426.18 | 11.90 |
| J10007-J11041 | 15 | 229 | 0.009 | 22.3 | 504,735.58 | 2.78 | 381 | 379 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,610,929.22 | 5.95 |
| F15089-F14113 | 12 | 184 | 0.016 | 22.2 | 329,462.03 | 2.79 | 449 | 446 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,474,691.20 | 6.72 |
| C04029-C04027 | 8 | 257 | 0.047 | 11.2 | 47,597.35 | 2.79 | 668 | 656 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,994,398.18 | 10.29 |
| F07067-F07065 | 12 | 272 | 0.011 | 24.8 | 366,728.65 | 2.79 | 466 | 463 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,857,858.18 | 5.53 |
| E07053-E07051 | 8 | 324 | 0.009 | 40.1 | 290,321.09 | 2.79 | 496 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 888,128.75 | 4.58 |
| E09069-E10021 | 18 | 365 | 0.005 | 30.3 | 1,188,715.25 | 2.8 | 422 | 420 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 5,938,951.17 | 5.10 |
| C04043-C04041 | 8 | 306 | 0.079 | 7 | 25,560.30 | 2.8 | 817.84 | 793.54 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,600,939.38 | 13.41 |
| D07099-D07097 | 8 | 252 | 0.016 | 24.2 | 142,398.54 | 2.8 | 493 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,162,833.49 | 6.00 |
| F07079-F07067 | 12 | 261 | 0.011 | 23.8 | 353,532.05 | 2.8 | 469 | 466 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,917,459.74 | 5.64 |
| F05071-F05069 | 21 | 267 | 0.004 | 38 | 2,058,234.90 | 2.81 | 503 | 502 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 7,406,454.01 | 4.77 |
| L13131-L13129 | 10 | 13 | 0.038 | 9 | 54,630.76 | 2.81 | 317.5 | 317 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 3,281,918.82 | 10.16 |
| D08035-D08033 | 10 | 354 | 0.008 | 33 | 340,702.53 | 2.81 | 473 | 470 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,540,541.86 | 4.77 |
| D06105-D07105 | 8 | 297 | 0.024 | 17.9 | 88,724.21 | 2.81 | 515 | 508 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,416,963.30 | 7.31 |
| F14107-F14105 | 12 | 243 | 0.016 | 22.8 | 342,072.16 | 2.81 | 438 | 434 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,491,333.67 | 6.75 |
| F08111-F08109 | 12 | 337 | 0.012 | 27.7 | 370,151.47 | 2.82 | 457 | 453 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,964,691.74 | 5.73 |
| D04061-D05125 | 15 | 342 | 0.009 | 27.6 | 687,680.47 | 2.82 | 567 | 564 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,621,029.85 | 5.96 |
| G08061-G08059 | 12 | 127 | 0.008 | 38.3 | 703,256.51 | 2.82 | 441 | 440 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,414,696.97 | 4.67 |
| G13093-G13091 | 10 | 136 | 0.015 | 22.3 | 173,712.02 | 2.83 | 388 | 386 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,029,364.47 | 6.28 |
| G09019-G09017 | 8 | 291 | 0.01 | 71 | 267,547.45 | 2.83 | 415 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 937,134.53 | 4.83 |
| F12071-F12069 | 15 | 251 | 0.011 | 46 | 768,172.67 | 2.83 | 398 | 395.36 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,060,067.40 | 6.52 |
| F03159-F03157 | 12 | 269 | 0.015 | 21.7 | 274,999.40 | 2.84 | 545 | 541 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,318,320.68 | 6.42 |
| E14071-E14069 | 8 | 250 | 0.012 | 41.7 | 368,057.10 | 2.84 | 451 | 448 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,011,063.49 | 5.21 |
| D10073-D09021 | 8 | 345 | 0.012 | 35.6 | 180,324.59 | 2.85 | 453 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 993,821.20 | 5.13 |
| G06013-G06011 | 24 | 364 | 0.003 | 37.7 | 3,079,508.43 | 2.85 | 470.54 | 469.27 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 10,206,158.81 | 5.09 |
| F13077-F13075 | 15 | 251 | 0.01 | 26.3 | 729,122.34 | 2.86 | 416 | 413.6 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,824,584.97 | 6.22 |
| F03161-F03159 | 12 | 266 | 0.015 | 19.4 | 275,553.58 | 2.86 | 549 | 545 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,336,980.55 | 6.45 |
| D15073-D15071 | 8 | 173 | 0.243 | 3.3 | 7,539.42 | 2.87 | 550 | 508 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 4,547,674.80 | 23.45 |
| D10131-D10129 | 8 | 336 | 0.018 | 20.6 | 114,288.08 | 2.87 | 490 | 484 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,233,371.17 | 6.36 |
| J12005-J12003 | 33 | 113 | 0.009 | 15.2 | 1,323,018.30 | 2.87 | 357 | 356 | Vitrified Clay Pipe-Circular-33 inch | 5.9 | 37,999,608.87 | 9.97 |
| D07101-D07099 | 8 | 269 | 0.019 | 22.6 | 128,771.99 | 2.88 | 498 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,258,336.14 | 6.49 |
| E12009-E12007 | 15 | 572 | 0.007 | 35.6 | 1,039,476.18 | 2.88 | 410 | 406 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,125,942.59 | 5.32 |
| E14067-E14065 | 8 | 264 | 0.011 | 47.8 | 405,265.97 | 2.89 | 446 | 443 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 983,889.83 | 5.07 |
| E06009-E06007 | 8 | 325 | 0.012 | 32.9 | 221,306.32 | 2.9 | 514 | 510 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,023,943.80 | 5.28 |
| D05055-D05053 | 15 | 182 | 0.022 | 15.7 | 189,891.03 | 2.91 | 584 | 580 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 7,314,514.43 | 9.43 |
| E14069-E14067 | 8 | 153 | 0.013 | 42.7 | 367,865.95 | 2.91 | 448 | 446 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,055,254.20 | 5.44 |
| E14061-E14059 | 8 | 269 | 0.011 | 56 | 429,769.99 | 2.92 | 438 | 435 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 974,702.98 | 5.03 |
| F04139-F04137 | 15 | 258 | 0.012 | 22.8 | 551,391.84 | 2.92 | 516 | 513 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,320,371.69 | 6.86 |
| D01009-D01007 | 8 | 309 | 0.013 | 32.4 | 239,270.13 | 2.92 | 617 | 613 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,050,119.11 | 5.42 |
| G10025-G10023 | 12 | 633 | 0.006 | 39.4 | 707,587.02 | 2.92 | 397 | 393 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,163,179.90 | 4.18 |
| D07097-D07091 | 8 | 244 | 0.016 | 25.9 | 158,724.70 | 2.93 | 489 | 485 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,181,742.60 | 6.09 |
| D10029-D10027 | 8 | 254 | 0.024 | 17.7 | 83,302.25 | 2.94 | 452 | 446 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,418,556.29 | 7.32 |
| D01017-D01015 | 8 | 324 | 0.012 | 32.5 | 234,317.03 | 2.94 | 631 | 627 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,025,522.75 | 5.29 |
| F05103-F05037 | 15 | 311 | 0.013 | 32.8 | 565,923.59 | 2.95 | 504 | 500 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,595,527.06 | 7.21 |
| G13099-G13097 | 8 | 211 | 0.028 | 23.8 | 95,973.65 | 2.96 | 396 | 390 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,556,403.52 | 8.03 |
| G08057-G08055 | 12 | 55 | 0.009 | 48.1 | 702,745.92 | 2.96 | 439.5 | 439 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,594,586.51 | 5.02 |
| F07083-F07081 | 10 | 203 | 0.015 | 27.6 | 287,272.67 | 2.96 | 474 | 471 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,034,356.76 | 6.30 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| D11013-D11007 | 8 | 90 | 0.022 | 21.6 | 85,617.47 | 2.96 | 448 | 446 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,375,883.14 | 7.10 |
| E08043-E08039 | 15 | 21 | 0.012 | 24.3 | 363,508.44 | 2.96 | 457.25 | 457 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,383,336.86 | 6.94 |
| L14037-L14021 | 8 | 115 | 0.063 | 49.3 | 33,667.80 | 2.96 | 316 | 308.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,325,414.18 | 11.99 |
| J12035-J12033 | 42 | 177 | 0.002 | 57.7 | 12,492,455.73 | 2.96 | 358 | 357.66 | Vitrified Clay Pipe-Circular-42 inch | 9.6 | 33,679,484.97 | 5.43 |
| F09015-F09013 | 18 | 706 | 0.007 | 27.7 | 1,131,440.84 | 2.97 | 425 | 420 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 6,751,866.40 | 5.80 |
| G05093-G05091 | 12 | 321 | 0.016 | 37.6 | 336,987.25 | 2.98 | 481 | 476 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,396,229.14 | 6.57 |
| D04079-D04077 | 8 | 59 | 0.034 | 17.8 | 86,746.86 | 2.98 | 580 | 578 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,699,326.38 | 8.76 |
| G10023-G10001 | 12 | 432 | 0.007 | 57.4 | 705,719.01 | 2.98 | 393 | 390 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,267,687.74 | 4.39 |
| G10009-G10007 | 24 | 589 | 0.005 | 36.9 | 2,454,790.29 | 2.98 | 404 | 401 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 12,331,449.62 | 6.15 |
| K11021-K11019 | 15 | 314 | 0.006 | 29.6 | 684,903.15 | 2.98 | 344 | 342 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,937,688.64 | 5.08 |
| G15041-G15039 | 8 | 202 | 0.134 | 4.9 | 10,683.88 | 2.99 | 449 | 422 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,374,380.13 | 17.40 |
| D10023-D10021 | 8 | 357 | 0.004 | 100 | 884,207.73 | 2.99 | 436 | 434.43 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 612,073.43 | 3.16 |
| E07027-E07063 | 8 | 309 | 0.024 | 20.7 | 109,611.07 | 2.99 | 496.3 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,418,632.80 | 7.32 |
| G08073-G08071 | 12 | 105 | 0.01 | 37.2 | 663,800.06 | 3 | 444 | 443 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,655,643.96 | 5.14 |
| D04113-D04111 | 15 | 358 | 0.011 | 27.6 | 592,081.31 | 3 | 580 | 576 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,215,304.64 | 6.72 |
| E06033-E06025 | 10 | 271 | 0.015 | 28.1 | 228,155.24 | 3 | 493 | 489 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,033,105.24 | 6.29 |
| D05041-D05117 | 15 | 398 | 0.008 | 26.3 | 650,400.28 | 3 | 558 | 555 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,283,613.62 | 5.52 |
| E13027-E13025 | 12 | 190 | 0.011 | 32.8 | 604,411.29 | 3 | 429 | 427 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,791,918.24 | 5.40 |
| D09069-D09067 | 10 | 319 | 0.013 | 29.5 | 212,200.12 | 3.01 | 442 | 438 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,873,911.87 | 5.80 |
| D01007-D01005 | 8 | 209 | 0.014 | 31.6 | 239,666.94 | 3.01 | 613 | 610 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,105,796.70 | 5.70 |
| D11041-D11027 | 8 | 199 | 0.041 | 12.4 | 44,006.51 | 3.01 | 482.03 | 473.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,876,986.66 | 9.68 |
| K11023-K11021 | 15 | 309 | 0.006 | 28.1 | 683,641.35 | 3.02 | 346 | 344 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,969,419.12 | 5.12 |
| D01015-D01013 | 8 | 294 | 0.014 | 33.2 | 235,228.40 | 3.02 | 627 | 623 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,076,574.62 | 5.55 |
| F10003-F10001 | 24 | 363 | 0.006 | 30.8 | 2,361,630.48 | 3.03 | 410 | 408 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 12,825,456.69 | 6.40 |
| D12027-D12025 | 8 | 98 | 0.02 | 25.5 | 150,632.64 | 3.03 | 434 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,318,529.25 | 6.80 |
| E14063-E14061 | 8 | 230 | 0.013 | 45 | 413,594.48 | 3.04 | 441 | 438 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,054,106.56 | 5.44 |
| D11019-D10121 | 8 | 259 | 0.023 | 19.8 | 98,730.54 | 3.04 | 464 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,404,796.93 | 7.25 |
| J12033-J12031 | 42 | 340 | 0.002 | 72.7 | 12,491,063.95 | 3.04 | 357.66 | 356.95 | Vitrified Clay Pipe-Circular-42 inch | 9.6 | 35,115,781.02 | 5.66 |
| D10027-D10025 | 8 | 324 | 0.022 | 23.5 | 107,229.13 | 3.04 | 446 | 439 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,356,639.08 | 7.00 |
| C04037-C04035 | 8 | 212 | 0.07 | 8.8 | 38,957.81 | 3.05 | 725.61 | 710.71 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,446,881.91 | 12.62 |
| J11041-J11039 | 15 | 91 | 0.011 | 22.3 | 520,638.77 | 3.05 | 379 | 378 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,172,142.75 | 6.67 |
| D11095-D11093 | 15 | 319 | 0.003 | 58.3 | 1,774,305.55 | 3.05 | 427 | 426 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,762,459.11 | 3.56 |
| F14053-F14051 | 15 | 255 | 0.012 | 24.4 | 700,450.92 | 3.05 | 427 | 424 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,351,576.48 | 6.90 |
| D06001-D07069 | 8 | 298 | 0.02 | 27.3 | 160,713.24 | 3.06 | 522 | 516 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,309,650.16 | 6.75 |
| D07091-D07089 | 8 | 373 | 0.016 | 28.1 | 187,492.12 | 3.06 | 485 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,170,601.34 | 6.04 |
| F14049-F13079 | 15 | 249 | 0.012 | 24.6 | 704,813.25 | 3.06 | 422 | 419 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,415,669.50 | 6.98 |
| G11001-H11051 | 39 | 260 | 0.002 | 44.5 | 11,273,635.45 | 3.06 | 373.5 | 373 | Vitrified Clay Pipe-Circular-39 inch | 8.3 | 27,655,729.72 | 5.16 |
| E05147-E05145 | 21 | 423 | 0.005 | 33.2 | 1,977,771.81 | 3.07 | 512 | 510 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 8,321,675.47 | 5.36 |
| E05029-E05027 | 18 | 335 | 0.006 | 32.5 | 1,414,025.88 | 3.07 | 519 | 517 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 6,199,173.38 | 5.33 |
| G15061-G15059 | 8 | 299 | 0.117 | 6.4 | 14,574.48 | 3.07 | 463 | 428 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,157,811.74 | 16.29 |
| G11009-G11001 | 39 | 260 | 0.002 | 44.5 | 11,275,226.93 | 3.08 | 374 | 373.5 | Vitrified Clay Pipe-Circular-39 inch | 8.3 | 27,655,729.72 | 5.16 |
| E06039-E06033 | 10 | 297 | 0.017 | 21.8 | 210,899.84 | 3.08 | 498 | 493 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,171,307.27 | 6.72 |
| F07085-F07083 | 10 | 56 | 0.018 | 24.4 | 268,287.37 | 3.08 | 475 | 474 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,236,250.73 | 6.92 |
| F10005-F10003 | 24 | 351 | 0.006 | 28.9 | 2,363,043.98 | 3.09 | 412 | 410 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 13,042,852.79 | 6.51 |
| F13079-F13077 | 15 | 252 | 0.012 | 25.5 | 723,827.21 | 3.09 | 419 | 416 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,383,336.86 | 6.94 |
| E10021-E10007 | 18 | 396 | 0.007 | 36.8 | 1,194,049.91 | 3.1 | 420 | 417.06 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 6,913,011.21 | 5.94 |
| G11019-G11017 | 27 | 614 | 0.003 | 37.9 | 4,126,924.15 | 3.1 | 382 | 380 | Vitrified Clay Pipe-Circular-27 inch | 4 | 13,500,463.90 | 5.22 |
| D11005-D11003 | 8 | 59 | 0.017 | 29.8 | 142,928.24 | 3.1 | 444 | 443 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,201,605.21 | 6.20 |
| H11019-H11017 | 39 | 467 | 0.002 | 43.2 | 11,301,805.06 | 3.11 | 368 | 367 | Vitrified Clay Pipe-Circular-39 inch | 8.3 | 29,182,893.73 | 5.44 |
| C04033-C04031 | 8 | 303 | 0.065 | 9.6 | 45,461.85 | 3.11 | 691.84 | 672 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,361,768.51 | 12.18 |
| J12049-J12037 | 39 | 824 | 0.002 | 44.2 | 11,940,254.51 | 3.12 | 361 | 359.19 | Vitrified Clay Pipe-Circular-39 inch | 8.3 | 29,557,144.55 | 5.51 |
| K12065-K13067 | 12 | 263 | 0.019 | 19.2 | 172,174.45 | 3.12 | 345 | 340 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,752,075.99 | 7.26 |
| E12001-F12107 | 18 | 254 | 0.008 | 32.9 | 1,357,554.60 | 3.12 | 402 | 400 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 7,119,333.35 | 6.12 |
| L14017-L14015 | 12 | 43 | 0.012 | 39.7 | 973,539.84 | 3.13 | 307.5 | 307 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,934,372.69 | 5.68 |
| F11005-F11003 | 27 | 614 | 0.003 | 37.7 | 4,075,330.41 | 3.13 | 387 | 385 | Vitrified Clay Pipe-Circular-27 inch | 4 | 13,500,463.90 | 5.22 |
| J15007-J15005 | 12 | 73 | 0.014 | 25.4 | 328,721.50 | 3.13 | 329 | 328 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,184,953.29 | 6.16 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| K13043-K13041 | 15 | 300 | 0.007 | 32.8 | 934,160.75 | 3.13 | 333 | 331 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,028,520.42 | 5.19 |
| D09041-D09039 | 8 | 54 | 0.019 | 29.2 | 130,354.84 | 3.14 | 448 | 447 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,256,003.72 | 6.48 |
| E11113-E11111 | 15 | 270 | 0.004 | 55.6 | 1,790,318.53 | 3.14 | 417 | 416 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,002,681.84 | 3.87 |
| D05121-D05119 | 15 | 327 | 0.012 | 29.7 | 711,135.80 | 3.15 | 560 | 556 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,456,916.63 | 7.04 |
| E03239-E03237 | 12 | 106 | 0.019 | 20 | 277,200.86 | 3.16 | 557 | 555 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,737,890.40 | 7.23 |
| E05079-E05073 | 10 | 93 | 0.011 | 38.3 | 539,177.43 | 3.16 | 527 | 526 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,735,293.88 | 5.37 |
| E07001-E08041 | 12 | 348 | 0.009 | 34.6 | 651,648.21 | 3.16 | 468 | 465 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,526,594.25 | 4.89 |
| H11015-J11025 | 39 | 633 | 0.002 | 42 | 11,303,694.86 | 3.17 | 365 | 363.5 | Vitrified Clay Pipe-Circular-39 inch | 8.3 | 30,699,448.13 | 5.72 |
| E11119-E11113 | 15 | 267 | 0.004 | 55.5 | 1,790,010.03 | 3.17 | 418 | 417 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,019,503.72 | 3.89 |
| D06055-D06053 | 10 | 233 | 0.017 | 21.4 | 219,918.94 | 3.17 | 547 | 543 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,192,636.02 | 6.79 |
| D10129-D10127 | 8 | 336 | 0.024 | 19.3 | 115,512.23 | 3.18 | 484 | 476 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,424,174.36 | 7.35 |
| E07039-E07037 | 10 | 444 | 0.009 | 41.3 | 567,485.22 | 3.19 | 479 | 475 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,588,374.91 | 4.92 |
| D10017-D10015 | 8 | 33 | 0.098 | 100 | 21,337.04 | 3.19 | 437 | 433.78 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,883,093.81 | 14.87 |
| D09019-D09017 | 8 | 349 | 0.011 | 41.9 | 282,098.93 | 3.2 | 447 | 443 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 988,109.53 | 5.10 |
| D07089-D08035 | 8 | 366 | 0.016 | 34.5 | 217,407.98 | 3.21 | 479 | 473 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,181,742.60 | 6.09 |
| H12015-H12013 | 12 | 59 | 0.034 | 42 | 611,026.70 | 3.22 | 366 | 364 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 5,010,181.86 | 9.69 |
| E11131-E11129 | 15 | 259 | 0.004 | 54.4 | 1,763,213.09 | 3.23 | 422 | 421 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,065,782.33 | 3.95 |
| G06011-G06009 | 24 | 330 | 0.005 | 34 | 3,074,944.78 | 3.23 | 469.27 | 467.59 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 12,328,459.82 | 6.15 |
| E06003-E06001 | 8 | 218 | 0.014 | 37.6 | 288,832.93 | 3.23 | 504 | 501 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,082,730.04 | 5.58 |
| E11133-E11131 | 15 | 261 | 0.004 | 54.6 | 1,767,056.04 | 3.23 | 423 | 422 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,054,013.45 | 3.94 |
| J11023-J11021 | 39 | 648 | 0.002 | 43.1 | 11,859,861.84 | 3.23 | 363 | 361.46 | Vitrified Clay Pipe-Circular-39 inch | 8.3 | 30,743,949.03 | 5.73 |
| G06009-G06007 | 24 | 334 | 0.005 | 33.8 | 3,071,234.50 | 3.23 | 467.59 | 465.85 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 12,471,323.47 | 6.22 |
| E05087-E05081 | 10 | 173 | 0.012 | 37.2 | 531,919.49 | 3.24 | 531 | 529 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,799,311.91 | 5.57 |
| C04035-C04033 | 8 | 235 | 0.08 | 9.2 | 41,481.81 | 3.25 | 710.71 | 691.84 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,615,410.28 | 13.49 |
| D10009-D10007 | 12 | 280 | 0.004 | 78.3 | 1,608,289.96 | 3.25 | 431.8 | 430.73 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,682,199.00 | 3.25 |
| E07041-E07039 | 10 | 320 | 0.009 | 41.1 | 568,535.60 | 3.25 | 482 | 479 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,620,317.59 | 5.01 |
| D10127-D10125 | 8 | 272 | 0.026 | 19 | 116,787.18 | 3.25 | 476 | 469 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,480,649.88 | 7.64 |
| E05073-E05065 | 10 | 257 | 0.012 | 37.7 | 545,298.89 | 3.26 | 526 | 523 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,808,042.25 | 5.59 |
| G11013-G11011 | 39 | 909 | 0.002 | 42.8 | 11,248,454.03 | 3.28 | 377 | 375 | Vitrified Clay Pipe-Circular-39 inch | 8.3 | 29,581,476.71 | 5.51 |
| F09013-F10013 | 18 | 622 | 0.01 | 36 | 1,134,105.66 | 3.28 | 420 | 414 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 7,879,916.61 | 6.77 |
| C11005-C11003 | 8 | 171 | 0.041 | 12.9 | 60,620.53 | 3.28 | 547 | 540 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,867,406.10 | 9.63 |
| D08007-D08005 | 15 | 309 | 0.006 | 37 | 1,158,889.21 | 3.29 | 456 | 454 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,969,419.12 | 5.12 |
| D04075-D04069 | 15 | 310 | 0.013 | 26.3 | 682,550.91 | 3.29 | 575 | 571 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,604,544.84 | 7.23 |
| D05047-D05045 | 15 | 203 | 0.01 | 24.1 | 622,989.13 | 3.29 | 568 | 566 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,897,316.57 | 6.31 |
| H10015-H10013 | 8 | 19 | 0.026 | 28.7 | 144,644.56 | 3.29 | 392 | 391.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,497,255.82 | 7.72 |
| E07003-E07001 | 12 | 206 | 0.01 | 34 | 645,093.33 | 3.3 | 470 | 468 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,681,302.95 | 5.19 |
| F13075-F13067 | 15 | 251 | 0.014 | 27.2 | 740,439.61 | 3.3 | 413.6 | 410 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,908,885.70 | 7.62 |
| G09013-G10021 | 24 | 400 | 0.005 | 39.5 | 4,018,940.04 | 3.32 | 408 | 406 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 12,217,888.44 | 6.10 |
| C11003-C11001 | 8 | 343 | 0.038 | 13.4 | 69,311.39 | 3.32 | 540 | 527 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,796,852.48 | 9.27 |
| E02019-E02015 | 8 | 221 | 0.033 | 29.8 | 97,233.33 | 3.33 | 578.53 | 571.14 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,687,772.43 | 8.70 |
| D06053-D06025 | 10 | 258 | 0.019 | 22.3 | 228,958.90 | 3.34 | 543 | 538 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,329,644.52 | 7.21 |
| E09023-E09085 | 15 | 93 | 0.011 | 35.6 | 1,176,511.24 | 3.34 | 432 | 431 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,329,114.35 | 5.58 |
| G07041-G07039 | 24 | 149 | 0.007 | 31.6 | 3,064,543.75 | 3.35 | 451 | 450 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 14,155,265.48 | 7.06 |
| D17023-D17021 | 8 | 17 | 0.235 | 11.7 | 13,204.62 | 3.35 | 514 | 510 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 4,477,064.41 | 23.09 |
| C10031-C10029 | 8 | 55 | 0.036 | 16.9 | 77,567.89 | 3.35 | 513 | 511 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,760,035.63 | 9.08 |
| F11001-G11019 | 27 | 537 | 0.004 | 36.9 | 4,123,221.58 | 3.36 | 384.15 | 382 | Vitrified Clay Pipe-Circular-27 inch | 4 | 14,967,524.12 | 5.79 |
| E09039-E09037 | 15 | 267 | 0.007 | 39 | 1,175,824.14 | 3.36 | 441 | 439 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,270,223.11 | 5.51 |
| E09085-E09083 | 15 | 253 | 0.008 | 35.4 | 1,177,875.74 | 3.37 | 431 | 429 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,386,780.83 | 5.66 |
| F14051-F14049 | 15 | 126 | 0.016 | 23.5 | 702,948.25 | 3.37 | 424 | 422 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 6,216,141.97 | 8.01 |
| E05081-E05079 | 10 | 155 | 0.013 | 37.4 | 539,067.98 | 3.38 | 529 | 527 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,900,919.20 | 5.88 |
| E05089-E05087 | 10 | 77 | 0.013 | 36.7 | 531,530.94 | 3.38 | 532 | 531 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,907,081.03 | 5.90 |
| E06007-E06005 | 8 | 194 | 0.015 | 34.3 | 289,229.93 | 3.39 | 510 | 507 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,147,750.71 | 5.92 |
| H11035-H11033 | 39 | 273 | 0.003 | 45.6 | 11,287,821.95 | 3.39 | 369.92 | 369.19 | Vitrified Clay Pipe-Circular-39 inch | 8.3 | 32,611,209.05 | 6.08 |
| E08005-E08003 | 15 | 268 | 0.007 | 35.7 | 1,162,651.80 | 3.4 | 450 | 448 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,262,248.83 | 5.50 |
| E07043-E07041 | 10 | 286 | 0.01 | 40.3 | 569,469.18 | 3.41 | 485 | 482 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,713,926.21 | 5.30 |
| E13031-E13029 | 8 | 221 | 0.018 | 49 | 429,153.12 | 3.41 | 434 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,241,714.25 | 6.40 |

2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| E06005-E06003 | 8 | 189 | 0.016 | 34.7 | 289,728.00 | 3.42 | 507 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,162,833.49 | 6.00 |
| E09083-E09081 | 15 | 240 | 0.008 | 34.9 | 1,179,550.59 | 3.42 | 429 | 427 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,504,022.76 | 5.81 |
| F08101-F08099 | 12 | 14 | 0.014 | 36.1 | 583,500.43 | 3.42 | 450 | 449.8 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,252,486.32 | 6.29 |
| D08023-D08021 | 10 | 249 | 0.009 | 55.5 | 745,783.13 | 3.43 | 478.15 | 476 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,555,013.15 | 4.81 |
| K12031-K12029 | 15 | 22 | 0.009 | 27.3 | 767,393.81 | 3.44 | 339.2 | 339 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,704,298.35 | 6.07 |
| G08051-G08049 | 24 | 334 | 0.006 | 40.1 | 3,752,045.00 | 3.44 | 431 | 429 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 13,370,662.22 | 6.67 |
| E09081-E09079 | 15 | 232 | 0.009 | 38.4 | 1,182,823.47 | 3.45 | 427 | 425 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,581,020.18 | 5.91 |
| E09057-E09009 | 15 | 468 | 0.009 | 34.8 | 1,072,175.61 | 3.45 | 437 | 433 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,561,401.16 | 5.88 |
| G06007-G06005 | 24 | 273 | 0.006 | 43.9 | 3,067,433.01 | 3.45 | 465.85 | 464.11 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 13,794,452.04 | 6.88 |
| H11039-H11035 | 39 | 260 | 0.003 | 40.3 | 11,280,840.88 | 3.46 | 370.65 | 369.92 | Vitrified Clay Pipe-Circular-39 inch | 8.3 | 33,416,545.36 | 6.23 |
| G08081-G08079 | 12 | 36 | 0.014 | 39.4 | 657,978.63 | 3.46 | 445.29 | 444.78 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,238,905.94 | 6.26 |
| D01005-D01003 | 8 | 232 | 0.022 | 35.6 | 239,816.78 | 3.46 | 610 | 605 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,354,967.31 | 6.99 |
| G05145-G05143 | 24 | 323 | 0.006 | 30.6 | 2,764,513.58 | 3.47 | 484 | 482 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 13,596,429.96 | 6.79 |
| G07037-G08101 | 24 | 396 | 0.008 | 30.6 | 3,063,377.87 | 3.47 | 446 | 443 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 15,039,181.05 | 7.51 |
| G08101-G08099 | 24 | 391 | 0.008 | 30.5 | 3,062,484.13 | 3.47 | 443 | 440 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 15,135,034.03 | 7.55 |
| H11049-H11041 | 39 | 288 | 0.003 | 40 | 11,279,809.07 | 3.49 | 371.83 | 371.02 | Vitrified Clay Pipe-Circular-39 inch | 8.3 | 33,445,143.18 | 6.23 |
| E07005-E07003 | 12 | 356 | 0.011 | 32.7 | 641,967.49 | 3.49 | 474 | 470 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,884,493.04 | 5.58 |
| E08035-E08015 | 15 | 472 | 0.008 | 32.6 | 1,045,862.84 | 3.49 | 449 | 445 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,542,032.06 | 5.86 |
| D10123-D10121 | 8 | 306 | 0.033 | 19.7 | 116,364.79 | 3.51 | 468 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,668,503.39 | 8.61 |
| D08031-D08015 | 10 | 61 | 0.016 | 75.8 | 341,003.83 | 3.51 | 469 | 468 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,142,641.89 | 6.63 |
| E05145-F05077 | 21 | 436 | 0.007 | 30.3 | 2,008,127.09 | 3.51 | 510 | 507 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 10,038,835.64 | 6.47 |
| D06059-D06057 | 8 | 283 | 0.025 | 26.4 | 180,966.43 | 3.51 | 557 | 550 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,451,588.80 | 7.49 |
| D06023-D06021 | 10 | 268 | 0.015 | 28.9 | 372,902.62 | 3.52 | 532 | 528 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,044,452.89 | 6.33 |
| G11017-G11013 | 27 | 616 | 0.005 | 47.9 | 4,126,435.67 | 3.53 | 380 | 377 | Vitrified Clay Pipe-Circular-27 inch | 4 | 16,507,760.18 | 6.39 |
| C11007-C11005 | 8 | 172 | 0.052 | 11.8 | 57,210.90 | 3.53 | 556 | 547 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,111,275.16 | 10.89 |
| E09059-E09057 | 15 | 442 | 0.009 | 32.7 | 1,070,959.81 | 3.55 | 441 | 437 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,693,643.07 | 6.05 |
| F05031-F05023 | 24 | 312 | 0.006 | 30.1 | 2,734,840.63 | 3.56 | 497 | 495 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 13,834,034.49 | 6.90 |
| J11021-J12049 | 39 | 144 | 0.003 | 42 | 11,939,876.05 | 3.57 | 361.46 | 361 | Vitrified Clay Pipe-Circular-39 inch | 8.3 | 35,643,838.21 | 6.64 |
| E05033-E05031 | 18 | 334 | 0.009 | 33.9 | 1,401,118.20 | 3.58 | 523 | 520 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 7,603,763.19 | 6.54 |
| H11041-H11039 | 39 | 119 | 0.003 | 39.5 | 11,276,521.32 | 3.59 | 371.02 | 370.65 | Vitrified Clay Pipe-Circular-39 inch | 8.3 | 35,165,287.73 | 6.56 |
| K12013-J12021 | 21 | 387 | 0.015 | 31.6 | 791,786.49 | 3.6 | 365 | 359.06 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 14,993,523.38 | 9.67 |
| D07081-D07067 | 10 | 130 | 0.015 | 32.7 | 408,802.20 | 3.61 | 514 | 512 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,075,667.71 | 6.42 |
| K12035-K12033 | 15 | 96 | 0.01 | 31.7 | 763,886.16 | 3.64 | 341 | 340 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,035,650.53 | 6.49 |
| E08003-E09043 | 15 | 326 | 0.009 | 33.9 | 1,168,911.56 | 3.65 | 448 | 445 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,733,071.08 | 6.10 |
| D09015-D09013 | 8 | 347 | 0.009 | 100 | 658,449.84 | 3.65 | 441 | 438 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 858,190.49 | 4.43 |
| E08037-E08035 | 15 | 413 | 0.01 | 32 | 1,033,443.10 | 3.66 | 453 | 449 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,855,636.52 | 6.26 |
| D12037-D12035 | 8 | 150 | 0.04 | 19.8 | 120,016.74 | 3.66 | 446 | 440 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,845,940.94 | 9.52 |
| E08039-E08037 | 15 | 413 | 0.01 | 31.2 | 1,018,341.58 | 3.66 | 457 | 453 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,855,636.52 | 6.26 |
| K12029-K12027 | 15 | 46 | 0.011 | 35.2 | 767,305.43 | 3.66 | 339 | 338.5 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,143,956.48 | 6.63 |
| D10125-D10123 | 8 | 27 | 0.037 | 17.6 | 116,398.57 | 3.67 | 469 | 468 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,776,257.50 | 9.16 |
| C11001-C10031 | 8 | 294 | 0.048 | 13.8 | 77,830.65 | 3.71 | 527 | 513 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,014,086.69 | 10.39 |
| K12015-K12013 | 21 | 181 | 0.017 | 15.5 | 791,786.49 | 3.71 | 368 | 365 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 15,580,712.04 | 10.04 |
| G09015-G09013 | 24 | 294 | 0.007 | 37.9 | 4,024,357.98 | 3.71 | 410 | 408 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 14,251,234.48 | 7.11 |
| C04041-C04039 | 8 | 319 | 0.166 | 7.6 | 28,811.93 | 3.72 | 793.54 | 740.51 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,763,165.16 | 19.41 |
| E07045-E07043 | 10 | 222 | 0.014 | 38.4 | 571,081.85 | 3.74 | 488 | 485 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,945,354.03 | 6.02 |
| G09055-G09017 | 24 | 381 | 0.008 | 34.6 | 3,775,551.11 | 3.75 | 415 | 412 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 15,332,370.06 | 7.65 |
| H11025-H11019 | 39 | 275 | 0.004 | 40.3 | 11,297,411.53 | 3.75 | 369 | 368 | Vitrified Clay Pipe-Circular-39 inch | 8.3 | 38,029,485.25 | 7.09 |
| D11093-E11133 | 15 | 527 | 0.006 | 51.5 | 1,768,701.92 | 3.76 | 426 | 423 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,722,601.25 | 4.80 |
| E08015-E09059 | 15 | 382 | 0.01 | 31.9 | 1,071,286.49 | 3.76 | 445 | 441 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,048,815.65 | 6.51 |
| D05051-D05049 | 15 | 207 | 0.014 | 21.8 | 617,591.76 | 3.79 | 574 | 571 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,939,729.32 | 7.66 |
| E11065-E11063 | 15 | 332 | 0.007 | 47.1 | 1,811,382.24 | 3.79 | 406.72 | 404.53 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,007,229.49 | 5.17 |
| E12043-E12025 | 12 | 140 | 0.021 | 100 | 725,091.16 | 3.79 | 417 | 414 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,983,465.93 | 7.70 |
| E07033-E07053 | 8 | 91 | 0.022 | 35.3 | 289,245.00 | 3.79 | 498 | 496 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,368,302.46 | 7.06 |
| D08009-D08007 | 10 | 337 | 0.009 | 61.6 | 1,103,573.41 | 3.81 | 459 | 456 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,578,920.22 | 4.89 |
| E11107-E11073 | 15 | 364 | 0.007 | 46.6 | 1,791,478.85 | 3.84 | 411.67 | 409.23 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,039,572.63 | 5.21 |
| G09017-G09015 | 24 | 267 | 0.007 | 35.9 | 4,024,575.56 | 3.85 | 412 | 410 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 14,954,452.59 | 7.46 |

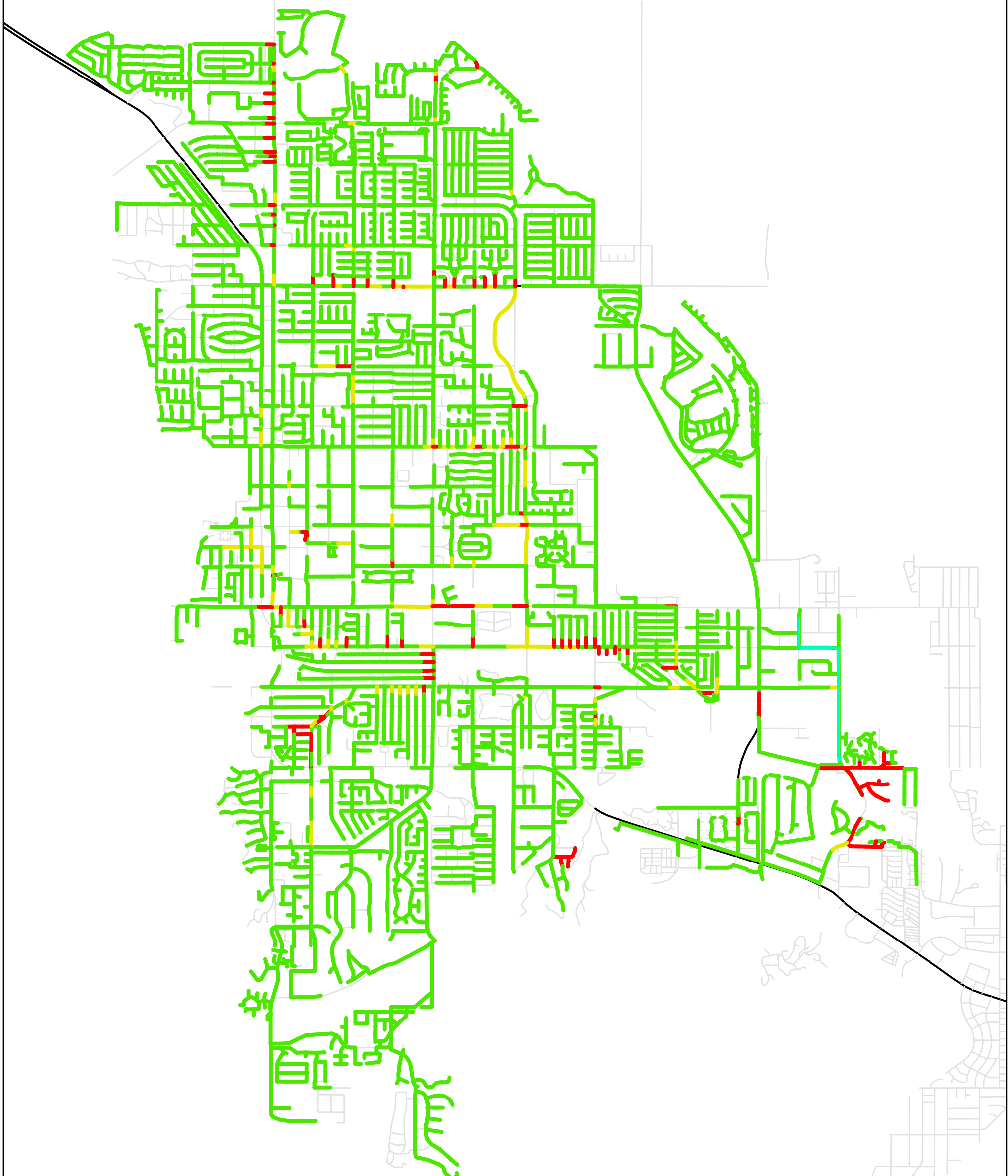
2025 (Without Parcel 4) Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| G07039-G07037 | 24 | 397 | 0.01 | 29.5 | 3,065,024.83 | 3.85 | 450 | 446 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 17,343,865.44 | 8.66 |
| E05065-E05027 | 10 | 325 | 0.018 | 45.9 | 554,775.32 | 3.85 | 523 | 517 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,273,780.06 | 7.04 |
| D05045-D05043 | 15 | 194 | 0.015 | 21.6 | 627,092.92 | 3.86 | 566 | 563 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 6,135,514.15 | 7.91 |
| G05141-G05091 | 24 | 348 | 0.009 | 28.1 | 2,761,312.43 | 3.86 | 479 | 476 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 16,042,873.48 | 8.01 |
| D05049-D05047 | 15 | 194 | 0.015 | 22.8 | 621,148.32 | 3.86 | 571 | 568 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 6,135,514.15 | 7.91 |
| F11027-F11025 | 15 | 499 | 0.007 | 46.4 | 1,842,850.70 | 3.87 | 398.6 | 395 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,190,754.08 | 5.40 |
| F05077-F05073 | 21 | 329 | 0.009 | 33.5 | 2,051,189.57 | 3.88 | 507 | 504 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 11,556,561.63 | 7.45 |
| E11061-F11027 | 15 | 494 | 0.007 | 46.3 | 1,823,453.97 | 3.88 | 402.16 | 398.6 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,188,444.10 | 5.40 |
| E07037-E07005 | 10 | 62 | 0.016 | 36.9 | 567,454.59 | 3.89 | 475 | 474 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,125,292.28 | 6.58 |
| E09043-E09039 | 15 | 356 | 0.011 | 34 | 1,170,028.12 | 3.9 | 445 | 441 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,229,933.85 | 6.74 |
| E11063-E11061 | 15 | 327 | 0.007 | 46 | 1,806,928.01 | 3.9 | 404.53 | 402.16 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,200,408.18 | 5.42 |
| E05027-E05173 | 21 | 213 | 0.009 | 27.7 | 1,963,863.60 | 3.91 | 517 | 515 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 11,727,114.28 | 7.56 |
| H11017-H11015 | 39 | 474 | 0.004 | 38.9 | 11,302,621.14 | 3.91 | 367 | 365 | Vitrified Clay Pipe-Circular-39 inch | 8.3 | 40,964,968.10 | 7.64 |
| G11011-G11009 | 39 | 263 | 0.004 | 40.6 | 11,244,279.93 | 3.91 | 375 | 374 | Vitrified Clay Pipe-Circular-39 inch | 8.3 | 38,887,401.11 | 7.25 |
| D06019-D06017 | 10 | 318 | 0.019 | 28.6 | 412,276.40 | 3.92 | 527 | 521 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,298,669.71 | 7.11 |
| E11127-E11119 | 15 | 148 | 0.007 | 50.8 | 1,769,649.75 | 3.92 | 419 | 418 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,055,648.81 | 5.23 |
| E11109-E11107 | 15 | 333 | 0.007 | 46.4 | 1,793,870.08 | 3.92 | 414 | 411.67 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,127,119.49 | 5.32 |
| F11025-F11007 | 15 | 520 | 0.008 | 52.4 | 1,843,389.25 | 3.93 | 395 | 391 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,327,325.09 | 5.58 |
| F05017-G05145 | 24 | 340 | 0.009 | 29.3 | 2,763,896.89 | 3.95 | 487 | 484 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 16,230,515.81 | 8.10 |
| D07065-D07063 | 10 | 287 | 0.014 | 39.3 | 644,796.23 | 3.95 | 504 | 500 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,975,620.65 | 6.11 |
| D10005-D11095 | 15 | 317 | 0.006 | 52.7 | 1,775,099.75 | 3.95 | 429 | 427 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,919,011.75 | 5.05 |
| G05143-G05141 | 24 | 324 | 0.009 | 27.8 | 2,763,378.83 | 3.98 | 482 | 479 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 16,626,440.23 | 8.30 |
| F05037-F05031 | 24 | 341 | 0.009 | 28.9 | 2,719,573.62 | 3.99 | 500 | 497 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 16,206,699.92 | 8.09 |
| C04031-C04029 | 8 | 30 | 0.133 | 9.4 | 46,141.80 | 3.99 | 672 | 668 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,370,211.65 | 17.38 |
| E03243-E03241 | 10 | 29 | 0.037 | 22.5 | 255,490.66 | 4 | 560.07 | 559 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 3,214,455.36 | 9.95 |
| D06025-D06023 | 10 | 242 | 0.025 | 26.1 | 315,494.46 | 4.01 | 538 | 532 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,635,011.11 | 8.15 |
| D06021-D06019 | 10 | 50 | 0.02 | 28.4 | 412,560.51 | 4.01 | 528 | 527 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,366,625.32 | 7.32 |
| D08005-D08003 | 15 | 171 | 0.012 | 31.7 | 1,159,843.21 | 4.02 | 454 | 452 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,335,905.65 | 6.88 |
| D05043-D05041 | 15 | 284 | 0.018 | 23.6 | 630,231.58 | 4.03 | 563 | 558 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 6,546,618.47 | 8.44 |
| C10023-C10021 | 8 | 159 | 0.057 | 13.8 | 89,118.16 | 4.03 | 506 | 497 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,195,889.59 | 11.33 |
| G10007-G10005 | 30 | 475 | 0.006 | 34.8 | 6,469,036.62 | 4.05 | 401 | 398 | Vitrified Clay Pipe-Circular-30 inch | 4.9 | 24,897,267.02 | 7.86 |
| E11073-E11065 | 15 | 318 | 0.008 | 46 | 1,808,235.80 | 4.06 | 409.23 | 406.72 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,383,434.28 | 5.65 |
| E11111-E11109 | 15 | 258 | 0.008 | 45.4 | 1,793,282.37 | 4.08 | 416 | 414 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,344,065.29 | 5.60 |
| G09069-G09055 | 24 | 395 | 0.01 | 32.7 | 3,739,820.11 | 4.08 | 419 | 415 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 17,387,718.52 | 8.68 |
| F11007-F11005 | 24 | 611 | 0.007 | 39.7 | 4,090,936.43 | 4.09 | 391 | 387 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 13,980,430.46 | 6.98 |
| D08003-D08001 | 15 | 81 | 0.012 | 38.1 | 1,159,853.22 | 4.09 | 452 | 451 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,482,121.92 | 7.07 |
| J12029-J12001 | 42 | 475 | 0.005 | 32.5 | 12,505,114.85 | 4.1 | 357.4 | 355 | Vitrified Clay Pipe-Circular-42 inch | 9.6 | 54,622,482.26 | 8.80 |
| H11051-H11049 | 39 | 261 | 0.004 | 37.6 | 11,271,817.14 | 4.11 | 373 | 371.83 | Vitrified Clay Pipe-Circular-39 inch | 8.3 | 42,224,009.56 | 7.87 |
| D07061-D07059 | 10 | 397 | 0.015 | 39.8 | 677,470.43 | 4.11 | 497 | 491 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,057,286.99 | 6.37 |
| D07059-D07001 | 10 | 334 | 0.015 | 40.1 | 693,325.16 | 4.11 | 491 | 486 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,047,511.16 | 6.34 |
| D08011-D08009 | 10 | 366 | 0.011 | 59.6 | 1,104,752.69 | 4.12 | 463 | 459 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,749,459.78 | 5.41 |
| D10007-D10005 | 12 | 256 | 0.007 | 67.3 | 1,775,908.89 | 4.12 | 430.73 | 429 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,237,008.15 | 4.33 |
| F05019-F05017 | 24 | 299 | 0.01 | 27.4 | 2,739,520.46 | 4.13 | 490 | 487 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 17,307,573.57 | 8.64 |
| E11129-E11127 | 15 | 255 | 0.008 | 45.3 | 1,770,116.04 | 4.15 | 421 | 419 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,369,543.90 | 5.63 |
| D06017-D07081 | 10 | 310 | 0.023 | 28.7 | 410,438.64 | 4.15 | 521 | 514 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,514,679.73 | 7.78 |
| D05053-D05051 | 15 | 320 | 0.019 | 21.1 | 613,833.64 | 4.16 | 580 | 574 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 6,756,034.14 | 8.71 |
| K13035-K13001 | 21 | 166 | 0.018 | 16.3 | 940,490.08 | 4.17 | 322 | 319 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 16,269,437.75 | 10.49 |
| E07031-E07033 | 8 | 34 | 0.029 | 30.1 | 289,367.10 | 4.19 | 499 | 498 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,582,881.30 | 8.16 |
| E05055-E05035 | 18 | 427 | 0.014 | 25.8 | 1,383,892.65 | 4.21 | 535 | 529 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 9,510,489.63 | 8.17 |
| E08041-E08039 | 12 | 399 | 0.02 | 33.4 | 656,782.47 | 4.25 | 465 | 457 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,853,213.24 | 7.45 |
| F05021-F05019 | 24 | 185 | 0.011 | 26.6 | 2,739,150.95 | 4.25 | 492 | 490 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 17,965,540.46 | 8.97 |
| D10119-D10009 | 8 | 433 | 0.03 | 71.6 | 233,905.14 | 4.25 | 445 | 431.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,611,501.91 | 8.31 |
| E05173-E05147 | 21 | 241 | 0.012 | 29.5 | 1,962,158.24 | 4.31 | 515 | 512 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 13,502,620.67 | 8.70 |
| D08013-D08011 | 10 | 325 | 0.012 | 56.6 | 1,104,749.38 | 4.33 | 467 | 463 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,856,533.64 | 5.74 |
| D11001-D10007 | 8 | 284 | 0.04 | 60.6 | 165,491.74 | 4.33 | 442 | 430.73 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,838,614.14 | 9.48 |
| F16025-F16023 | 4 | 13 | 0.077 | 52.9 | 172,055.12 | 4.35 | 490 | 489 | Vitrified Clay Pipe-Circular-4 inch | 0.1 | 403,152.61 | 6.24 |

2025 (Without Parcel 4) Results Table






| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| D08019-D08017 | 10 | 59 | 0.017 | 40.9 | 764,270.47 | 4.37 | 475 | 474 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,178,655.20 | 6.74 |
| G08055-G08053 | 24 | 340 | 0.012 | 30.4 | 3,756,239.44 | 4.39 | 439 | 435 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 18,741,385.34 | 9.35 |
| G11015-G11013 | 33 | 670 | 0.007 | 40.6 | 7,138,833.71 | 4.42 | 382 | 377 | Vitrified Clay Pipe-Circular-33 inch | 5.9 | 34,895,220.67 | 9.15 |
| G08053-G08051 | 24 | 330 | 0.012 | 33.2 | 3,754,067.64 | 4.43 | 435 | 431 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 19,023,226.50 | 9.49 |
| C10021-C10019 | 8 | 27 | 0.074 | 19.6 | 90,739.44 | 4.45 | 497 | 495 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,512,007.45 | 12.96 |
| D07067-D07065 | 10 | 401 | 0.02 | 37.3 | 631,678.26 | 4.47 | 512 | 504 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,363,672.57 | 7.31 |
| D08017-D08015 | 10 | 328 | 0.018 | 82.4 | 770,256.95 | 4.5 | 474 | 468 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,263,357.79 | 7.00 |
| G10021-G10007 | 24 | 399 | 0.013 | 37.2 | 4,018,574.22 | 4.56 | 406 | 401 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 19,342,370.93 | 9.65 |
| G10005-G10003 | 30 | 445 | 0.009 | 31.7 | 6,480,344.03 | 4.57 | 398 | 394 | Vitrified Clay Pipe-Circular-30 inch | 4.9 | 29,702,147.10 | 9.38 |
| G05091-G05089 | 24 | 254 | 0.013 | 33.9 | 3,092,549.09 | 4.58 | 476 | 472.8 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 19,394,084.52 | 9.68 |
| D07001-D08025 | 10 | 388 | 0.02 | 53.2 | 723,375.40 | 4.59 | 486 | 478.32 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,354,394.62 | 7.29 |
| E05035-E05033 | 18 | 332 | 0.018 | 26.7 | 1,402,311.96 | 4.59 | 529 | 523 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 10,785,685.99 | 9.27 |
| E09023-E09021 | 15 | 156 | 0.019 | 31.8 | 1,176,657.17 | 4.63 | 435 | 432 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 6,842,101.74 | 8.82 |
| G09071-G09069 | 24 | 401 | 0.015 | 30 | 3,743,614.83 | 4.69 | 425 | 419 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 21,135,600.53 | 10.55 |
| D05115-E05055 | 18 | 422 | 0.019 | 24.8 | 1,384,504.40 | 4.7 | 543 | 535 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 11,046,633.79 | 9.50 |
| F11003-F11001 | 27 | 79 | 0.011 | 31.7 | 4,057,127.91 | 4.71 | 385 | 384.15 | Vitrified Clay Pipe-Circular-27 inch | 4 | 24,536,566.88 | 9.49 |
| G10003-G10001 | 30 | 400 | 0.01 | 30.9 | 6,471,521.23 | 4.72 | 394 | 390 | Vitrified Clay Pipe-Circular-30 inch | 4.9 | 31,328,373.98 | 9.89 |
| G08099-G08055 | 24 | 49 | 0.02 | 27.1 | 3,058,033.28 | 4.85 | 440 | 439 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 24,683,862.19 | 12.32 |
| F05023-F05021 | 24 | 188 | 0.016 | 25.2 | 2,737,301.20 | 4.87 | 495 | 492 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 21,826,940.06 | 10.89 |
| D10121-D10119 | 8 | 253 | 0.051 | 23.7 | 214,349.38 | 4.97 | 458 | 445 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,092,180.85 | 10.79 |
| D07063-D07061 | 10 | 110 | 0.027 | 36.5 | 667,829.08 | 5.05 | 500 | 497 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,763,622.97 | 8.55 |
| J11027-J11025 | 15 | 254 | 0.045 | 43.9 | 564,898.79 | 5.06 | 375 | 363.5 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 10,498,403.52 | 13.54 |
| K11051-K11049 | 15 | 67 | 0.03 | 24.5 | 549,351.21 | 5.07 | 353 | 351 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 8,524,497.66 | 10.99 |
| E09021-E09019 | 15 | 98 | 0.027 | 26.9 | 1,176,139.03 | 5.21 | 437.64 | 435 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 8,098,043.87 | 10.44 |
| D05117-D05115 | 18 | 439 | 0.027 | 22.7 | 1,344,114.84 | 5.28 | 555 | 543 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 13,264,764.74 | 11.40 |
| G10001-G11015 | 30 | 670 | 0.012 | 32.4 | 7,137,687.87 | 5.3 | 390 | 382 | Vitrified Clay Pipe-Circular-30 inch | 4.9 | 34,233,038.35 | 10.81 |
| K11053-K11051 | 15 | 197 | 0.036 | 16.8 | 542,467.10 | 5.38 | 360 | 353 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 9,300,517.33 | 11.99 |
| G07043-G07041 | 24 | 300 | 0.036 | 26.1 | 3,041,039.80 | 6.02 | 461.88 | 451 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 32,905,233.23 | 16.42 |
| K13049-K13001 | 12 | 76 | 0.105 | 11.6 | 250,043.77 | 6.02 | 327 | 319 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 8,828,820.67 | 17.08 |
| J12037-J12035 | 42 | 79 | 0.015 | 38.7 | 12,492,749.12 | 6.1 | 359.19 | 358 | Vitrified Clay Pipe-Circular-42 inch | 9.6 | 94,313,215.38 | 15.20 |
| K13041-K13039 | 15 | 142 | 0.049 | 27.4 | 932,633.53 | 6.3 | 331 | 324 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 10,954,587.97 | 14.12 |
| J11025-J11023 | 39 | 30 | 0.017 | 35.4 | 11,859,467.36 | 6.4 | 363.5 | 363 | Vitrified Clay Pipe-Circular-39 inch | 8.3 | 81,416,263.82 | 15.18 |
| F05039-F05037 | 24 | 14 | 0.071 | 21.2 | 2,168,685.74 | 7.77 | 501 | 500 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 46,179,277.65 | 23.05 |
| G09073-G09071 | 24 | 16 | 0.188 | 21.9 | 3,742,171.89 | 11.34 | 428 | 425 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 74,818,981.02 | 37.34 |

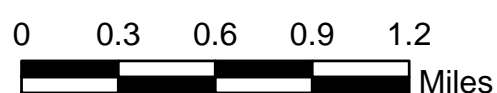
CITY OF PALM SPRINGS CIP 2025 RESULTS



LEGEND

CIP 2025 Model Results

-  Sufficient Capacity
-  Semi-Critical
-  Critical
-  Freeways
-  Streets



CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| J14065-J14063 | 8 | 61 | 0.008 | 0 | 0 | 0 | 339.5 | 339 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 835,618.20 | 4.31 |
| J14063-J14061 | 8 | 119 | 0.008 | 3.9 | 0 | 0 | 339 | 338 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 846,085.64 | 4.36 |
| H14015-H14013 | 8 | 103 | 0.01 | 8.6 | 0 | 0 | 372 | 371 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 909,429.83 | 4.69 |
| J15035-J15033 | 8 | 286 | 0.007 | 0 | 0 | 0 | 340 | 338 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 771,826.68 | 3.98 |
| J15033-J15031 | 8 | 287 | 0.007 | 1.9 | 0 | 0 | 338 | 336 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 770,480.86 | 3.97 |
| J14047-J14045 | 8 | 162 | 0.012 | 3.4 | 0 | 0 | 344 | 342 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,025,522.75 | 5.29 |
| J14003-J14001 | 8 | 176 | 0.006 | 0 | 0 | 0 | 336 | 335 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 695,715.17 | 3.59 |
| J14001-K14077 | 8 | 279 | 0.007 | 1.2 | 0 | 0 | 335 | 333 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 781,449.11 | 4.03 |
| K11059-K11057 | 8 | 225 | 0.018 | 0 | 0 | 0 | 361 | 357 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,230,627.30 | 6.35 |
| K11057-K11055 | 8 | 275 | 0.015 | 0 | 0 | 0 | 357 | 353 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,113,144.27 | 5.74 |
| K11045-K11043 | 8 | 105 | 0.01 | 0 | 0 | 0 | 361 | 360 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 900,726.95 | 4.65 |
| K11043-K11041 | 8 | 209 | 0.01 | 5 | 0 | 0 | 360 | 358 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 902,879.23 | 4.66 |
| K11055-K11031 | 8 | 349 | 0.013 | 34 | 0 | 0 | 353 | 348.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,048,048.43 | 5.41 |
| L14001-L13007 | 15 | 316 | 0.003 | 0 | 0 | 0 | 328 | 327 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,775,541.07 | 3.58 |
| L13007-L13005 | 15 | 319 | 0.003 | 0 | 0 | 0 | 327 | 326 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,762,459.11 | 3.56 |
| L13005-L13003 | 15 | 135 | 0.004 | 0 | 0 | 0 | 326 | 325.5 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,002,681.84 | 3.87 |
| L13003-L13001 | 15 | 132 | 0.004 | 1 | 0 | 0 | 325.5 | 325 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,036,611.52 | 3.92 |
| L13011-L13009 | 8 | 123 | 0.008 | 0 | 0 | 0 | 337 | 336 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 832,214.45 | 4.29 |
| L13013-L13009 | 8 | 232 | 0.004 | 0 | 0 | 0 | 337 | 336 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 605,959.80 | 3.13 |
| L13009-K13047 | 8 | 225 | 0.004 | 31.9 | 0 | 0 | 336 | 335 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 615,313.65 | 3.17 |
| L13113-L13111 | 8 | 110 | 0.009 | 0 | 0 | 0 | 330 | 329 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 880,017.82 | 4.54 |
| L13163-L13161 | 8 | 93 | 0.011 | 100 | 0 | 0 | 331 | 330 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 957,075.80 | 4.94 |
| L13161-L13159 | 8 | 196 | 0.005 | 100 | 0 | 0 | 330 | 329 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 659,264.62 | 3.40 |
| L13117-L13109 | 8 | 110 | 0.009 | 20.4 | 0 | 0 | 329 | 328 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 880,017.82 | 4.54 |
| L13069-L13067 | 8 | 107 | 0.009 | 0 | 0 | 0 | 335 | 334 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 892,269.23 | 4.60 |
| L13067-L13043 | 8 | 157 | 0.003 | 4.3 | 0 | 0 | 334 | 333.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 520,862.37 | 2.69 |
| L13121-L13119 | 8 | 251 | 0.004 | 0 | 0 | 0 | 330 | 329 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 582,573.80 | 3.00 |
| L13115-L13119 | 8 | 128 | 0.008 | 0 | 0 | 0 | 330 | 329 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 815,798.35 | 4.21 |
| L13119-L13107 | 8 | 309 | 0.006 | 95.4 | 0 | 0 | 329 | 327 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 742,546.35 | 3.83 |
| L13111-L13109 | 8 | 360 | 0.003 | 20.4 | 0 | 0 | 329 | 328 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 486,448.15 | 2.51 |
| L13109-L13107 | 8 | 256 | 0.004 | 100 | 0 | 0 | 328 | 327 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| L13107-L13105 | 8 | 265 | 0.004 | 100 | 0 | 0 | 327 | 326 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 566,976.25 | 2.92 |
| L14087-L14085 | 8 | 173 | 0.006 | 100 | 0 | 0 | 330 | 329 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 701,721.46 | 3.62 |
| L14085-L14083 | 8 | 254 | 0.004 | 100 | 0 | 0 | 329 | 328 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 579,123.18 | 2.99 |
| L13065-L13063 | 8 | 112 | 0.009 | 0 | 0 | 0 | 338 | 337 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 872,125.12 | 4.50 |
| L13063-L13061 | 8 | 121 | 0.002 | 0 | 0 | 0 | 337 | 336.75 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 419,532.03 | 2.16 |
| L13061-L13059 | 8 | 52 | 0.005 | 0 | 0 | 0 | 336.75 | 336.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 639,964.88 | 3.30 |
| L13059-L13057 | 8 | 57 | 0.004 | 0 | 0 | 0 | 336.5 | 336.25 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 611,252.13 | 3.15 |
| L13057-L13055 | 8 | 60 | 0.004 | 0 | 0 | 0 | 336.25 | 336 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 595,774.88 | 3.07 |
| L13055-L13053 | 8 | 91 | 0.005 | 0 | 0 | 0 | 336 | 335.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 684,151.23 | 3.53 |
| L13053-L13051 | 8 | 101 | 0.005 | 0 | 0 | 0 | 335.5 | 335 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 649,399.76 | 3.35 |
| L13071-L13043 | 8 | 190 | 0.003 | 4.3 | 0 | 0 | 334 | 333.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 473,473.86 | 2.44 |
| L13051-L13047 | 8 | 96 | 0.01 | 5.2 | 0 | 0 | 335 | 334 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 942,002.79 | 4.86 |
| L13075-L13073 | 8 | 132 | 0.008 | 0 | 0 | 0 | 332 | 331 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 803,342.68 | 4.14 |
| L13083-L13081 | 8 | 252 | 0.006 | 0 | 0 | 0 | 334 | 332.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 712,087.18 | 3.67 |
| L13165-L13159 | 8 | 118 | 0.008 | 100 | 0 | 0 | 330 | 329 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 849,663.19 | 4.38 |
| L13091-L13089 | 8 | 118 | 0.008 | 0 | 0 | 0 | 335 | 334 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 849,663.19 | 4.38 |
| L13033-L13031 | 8 | 201 | 0.005 | 4.2 | 0 | 0 | 332 | 331 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 651,013.18 | 3.36 |
| L13077-L13027 | 8 | 156 | 0.006 | 4.6 | 0 | 0 | 331 | 330 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 738,967.79 | 3.81 |
| L13101-L13099 | 8 | 246 | 0.004 | 0 | 0 | 0 | 335 | 334 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 588,464.48 | 3.03 |
| L13099-L13087 | 8 | 111 | 0.005 | 0 | 0 | 0 | 334 | 333.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 619,457.22 | 3.19 |
| L13097-L13095 | 8 | 157 | 0.006 | 0 | 0 | 0 | 336 | 335 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 736,610.63 | 3.80 |
| L13095-L13093 | 8 | 100 | 0.01 | 0 | 0 | 0 | 335 | 334 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 922,970.47 | 4.76 |
| L13093-L13087 | 8 | 110 | 0.005 | 0 | 0 | 0 | 334 | 333.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 622,266.57 | 3.21 |
| L13089-L13087 | 8 | 156 | 0.003 | 0 | 0 | 0 | 334 | 333.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 522,529.13 | 2.69 |
| L13087-L13085 | 8 | 117 | 0.004 | 0 | 0 | 0 | 333.5 | 333 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 603,364.67 | 3.11 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|-------------------------------------|------------------------|----------------|-----------------------------|
| L13085-L13081 | 8 | 112 | 0.004 | 0 | 0 | 0 | 333 | 332.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 616,685.59 | 3.18 |
| L13081-L13079 | 8 | 118 | 0.004 | 0 | 0 | 0 | 332.5 | 332 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 600,802.60 | 3.10 |
| L13073-L13027 | 8 | 128 | 0.008 | 4.6 | 0 | 0 | 331 | 330 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 815,798.35 | 4.21 |
| L13079-L13023 | 8 | 96 | 0.031 | 4 | 0 | 0 | 332 | 329 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,631,596.70 | 8.41 |
| L14035-L14033 | 8 | 101 | 0.01 | 3 | 0 | 0 | 319 | 318 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 918,389.95 | 4.74 |
| L14061-L14059 | 8 | 75 | 0.005 | 50.3 | 0 | 0 | 314.41 | 314.01 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 674,042.33 | 3.48 |
| L14059-L14057 | 8 | 139 | 0.007 | 100 | 0 | 0 | 314.01 | 313 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 786,757.87 | 4.06 |
| L14077-L14075 | 8 | 214 | 0.012 | 7.1 | 0 | 0 | 316 | 313.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 997,587.33 | 5.14 |
| K15031-K15029 | 8 | 179 | 0.011 | 3 | 0 | 0 | 324 | 322 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 975,610.10 | 5.03 |
| K14091-K14089 | 8 | 209 | 0.014 | 6.7 | 0 | 0 | 321 | 318 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,105,796.70 | 5.70 |
| L14073-L14071 | 8 | 132 | 0.001 | 0 | 0 | 0 | 314.13 | 314 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 289,649.32 | 1.49 |
| L14071-L14069 | 8 | 100 | 0.009 | 0 | 0 | 0 | 314 | 313.09 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 880,457.72 | 4.54 |
| L14069-L14067 | 8 | 160 | 0.007 | 1.9 | 0 | 0 | 313.09 | 312 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 761,800.17 | 3.93 |
| L14067-L14065 | 8 | 119 | 0.001 | 13.5 | 0 | 0 | 312 | 311.87 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 305,060.52 | 1.57 |
| E08001-E09003 | 8 | 345 | 0.006 | 0 | 0 | 0 | 446 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 702,737.71 | 3.62 |
| E09003-E09001 | 8 | 332 | 0.003 | 5.4 | 0 | 0 | 444 | 443 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 506,545.85 | 2.61 |
| C01057-C01056 | 8 | 0 | 0.02 | 0 | 0 | 0 | 671.8 | 670.79 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,298,863.18 | 6.70 |
| C01058-C01056 | 8 | 190 | 0.005 | 0 | 0 | 0 | 671.76 | 670.79 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 659,472.78 | 3.40 |
| C01056-C01054 | 8 | 148.7 | 0.007 | 0 | 0 | 0 | 670.79 | 669.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 754,874.14 | 3.89 |
| C01054-C01052 | 8 | 250.1 | 0.019 | 0.9 | 0 | 0 | 669.8 | 665.02 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,273,693.39 | 6.57 |
| C01060-C02132 | 8 | 134.8 | 0.004 | 0.7 | 0 | 0 | 673.23 | 672.64 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 612,436.99 | 3.16 |
| B01022-B01020 | 8 | 59 | 0.022 | 0 | 0 | 0 | 695.57 | 694.23 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,379,318.56 | 7.11 |
| B01020-B01018 | 8 | 280 | 0.021 | 0.7 | 0 | 0 | 694.23 | 688.27 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,344,181.08 | 6.93 |
| B01073-B01071 | 8 | 0 | 0.014 | 0 | 0 | 0 | 713.71 | 712.36 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,100,253.83 | 5.67 |
| B01071-B01069 | 8 | 0 | 0.023 | 0 | 0 | 0 | 712.36 | 706.48 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,412,666.38 | 7.29 |
| B01069-B02011 | 8 | 298 | 0.024 | 0 | 0 | 0 | 706.48 | 699.22 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,438,204.10 | 7.42 |
| B02011-B02009 | 8 | 299 | 0.032 | 1.6 | 0 | 0 | 699.22 | 689.61 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,651,919.48 | 8.52 |
| C02095-C02094 | 8 | 122.6 | 0.005 | 0 | 0 | 0 | 673.96 | 673.35 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 649,980.26 | 3.35 |
| B01088-B01086 | 8 | 255.6 | 0.029 | 0.6 | 0 | 0 | 710.27 | 702.85 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,568,278.53 | 8.09 |
| C02099-C02097 | 8 | 0 | 0.014 | 0.6 | 0 | 0 | 672.38 | 668.79 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,074,266.65 | 5.54 |
| C02109-C02107 | 8 | 297.1 | 0.003 | 0 | 0 | 0 | 673.63 | 672.59 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 544,338.29 | 2.81 |
| C02107-C02105 | 8 | 297.1 | 0.004 | 1 | 0 | 0 | 672.59 | 671.45 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 566,133.58 | 2.92 |
| B02005-B02003 | 8 | 2,980.00 | 0.01 | 1 | 0 | 0 | 685.5 | 682.61 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 907,404.93 | 4.68 |
| C02094-C02092 | 8 | 300 | 0.025 | 0.6 | 0 | 0 | 673.35 | 665.86 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,455,946.67 | 7.51 |
| C01014-C01013 | 8 | 37 | 0.003 | 0 | 0 | 0 | 638.21 | 638.08 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 539,843.26 | 2.78 |
| C01013-C01011 | 8 | 300 | 0.003 | 0 | 0 | 0 | 638.08 | 637.03 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 545,128.90 | 2.81 |
| C01011-C02137 | 8 | 300 | 0.003 | 1 | 0 | 0 | 637.03 | 635.98 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 544,225.62 | 2.81 |
| B01044-B01043 | 8 | 167 | 0.01 | 0 | 0 | 0 | 713.97 | 712.38 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 900,592.10 | 4.64 |
| B01043-B01041 | 8 | 0 | 0.029 | 0 | 0 | 0 | 712.38 | 707.54 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,576,000.84 | 8.13 |
| B01041-B01039 | 8 | 300 | 0.023 | 0 | 0 | 0 | 707.54 | 700.63 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,398,439.18 | 7.21 |
| B01039-B01037 | 8 | 224 | 0.019 | 0 | 0 | 0 | 700.63 | 695.57 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,277,794.76 | 6.59 |
| B01037-B01035 | 8 | 0 | 0.002 | 0 | 0 | 0 | 695.57 | 695.41 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 393,555.93 | 2.03 |
| B02028-B02026 | 8 | 0 | 0.008 | 0.8 | 0 | 0 | 685.39 | 684.51 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 844,956.78 | 4.36 |
| B02022-B02020 | 8 | 173 | 0.004 | 1 | 0 | 0 | 689.31 | 688.63 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 575,338.24 | 2.97 |
| B01065-B01063 | 8 | 134 | 0.043 | 0 | 0 | 0 | 701.53 | 695.66 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,917,508.97 | 9.89 |
| B01063-B01061 | 8 | 229 | 0.038 | 0 | 0 | 0 | 695.66 | 686.88 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,807,246.22 | 9.32 |
| B01035-B01033 | 8 | 294 | 0.041 | 1.3 | 0 | 0 | 695.41 | 683.4 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,865,458.73 | 9.62 |
| B01061-B01057 | 8 | 136.7 | 0.014 | 0 | 0 | 0 | 686.88 | 685.03 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,076,475.67 | 5.55 |
| B01057-B01055 | 8 | 0 | 0.006 | 0 | 0 | 0 | 685.03 | 684.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 724,563.61 | 3.74 |
| B01055-B01052 | 8 | 0 | 0.008 | 0.9 | 0 | 0 | 684.5 | 683.15 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 815,326.65 | 4.20 |
| C02004-C02003 | 8 | 98 | 0.02 | 11.8 | 0 | 0 | 629 | 627 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,318,529.25 | 6.80 |
| C02116-C02114 | 8 | 300 | 0.024 | 0.9 | 0 | 0 | 647.85 | 640.48 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,444,236.46 | 7.45 |
| E03167-E03165 | 8 | 154 | 0.006 | 0 | 0 | 0 | 569 | 568 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 743,750.80 | 3.84 |
| E03165-E03163 | 8 | 100 | 0.01 | 0 | 0 | 0 | 568 | 567 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 922,970.47 | 4.76 |
| E03163-E03161 | 8 | 206 | 0.01 | 1.1 | 0 | 0 | 567 | 565 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 909,429.83 | 4.69 |
| E03149-E03147 | 4 | 72 | 0.021 | 2.9 | 0 | 0 | 561 | 559.5 | Vitrified Clay Pipe-Circular-4 inch | 0.1 | 209,807.27 | 3.25 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|-------------------------------------|-------------------------------------|----------------|-----------------------------|
| E03153-E03151 | 8 | 66 | 0.015 | 1.3 | 0 | 0 | 561 | 560 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,136,098.12 | 5.86 |
| D03082-D03081 | 8 | 216 | 0.014 | 0 | 0 | 0 | 620 | 617 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,087,731.13 | 5.61 |
| D03081-D03079 | 8 | 222 | 0.009 | 1 | 0 | 0 | 617 | 615 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 876,044.80 | 4.52 |
| D02049-D02047 | 8 | 253 | 0.008 | 3 | 0 | 0 | 606 | 604 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 820,620.84 | 4.23 |
| D04055-D04053 | 8 | 291 | 0.01 | 3.1 | 0 | 0 | 583 | 580 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 937,134.53 | 4.83 |
| E04015-E04013 | 6 | 114 | 0.061 | 3.9 | 0 | 0 | 564 | 557 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 1,061,975.35 | 8.22 |
| E03201-E03199 | 8 | 302 | 0.003 | 0 | 0 | 0 | 566 | 565 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 531,109.83 | 2.74 |
| E03199-E03197 | 8 | 101 | 0.005 | 0 | 0 | 0 | 565 | 564.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 649,399.76 | 3.35 |
| E03197-E03195 | 8 | 88 | 0.006 | 1.5 | 0 | 0 | 564.5 | 564 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 695,715.17 | 3.59 |
| E03025-E03023 | 8 | 221 | 0.019 | 0 | 0 | 0 | 556.66 | 552.44 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,275,404.36 | 6.58 |
| E03039-E03037 | 8 | 204 | 0.029 | 0 | 0 | 0 | 562.19 | 556.2 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,581,561.68 | 8.16 |
| E03037-E03035 | 8 | 227 | 0.007 | 0 | 0 | 0 | 556.2 | 554.57 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 782,111.52 | 4.03 |
| E03043-E03041 | 8 | 218 | 0.029 | 0 | 0 | 0 | 561.17 | 554.89 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,566,532.40 | 8.08 |
| E03041-E03033 | 8 | 242 | 0.005 | 0 | 0 | 0 | 554.89 | 553.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 619,431.62 | 3.19 |
| E03023-E03021 | 8 | 209 | 0.004 | 0 | 0 | 0 | 552.44 | 551.62 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 578,124.79 | 2.98 |
| E03035-E03033 | 8 | 253 | 0.003 | 0 | 0 | 0 | 554.57 | 553.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 509,181.84 | 2.63 |
| E03033-E03027 | 8 | 300 | 0.004 | 0 | 0 | 0 | 553.8 | 552.69 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 561,421.02 | 2.90 |
| E03031-E03029 | 8 | 192 | 0.025 | 0 | 0 | 0 | 558.26 | 553.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,453,251.13 | 7.50 |
| E03029-E03027 | 8 | 238 | 0.003 | 0 | 0 | 0 | 553.5 | 552.69 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 538,445.61 | 2.78 |
| E03027-E03021 | 8 | 252 | 0.004 | 0 | 0 | 0 | 552.69 | 551.62 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 601,422.16 | 3.10 |
| E03021-E03019 | 8 | 114 | 0.004 | 0 | 0 | 0 | 551.62 | 551.13 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 605,108.73 | 3.12 |
| E03019-E03017 | 8 | 15 | 0.009 | 0 | 0 | 0 | 551.13 | 551 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 859,238.75 | 4.43 |
| E03017-E03013 | 8 | 108 | 0.005 | 2.5 | 0 | 0 | 551 | 550.46 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 652,638.68 | 3.37 |
| E03171-E03169 | 4 | 122 | 0.012 | 4 | 0 | 0 | 558 | 556.5 | Vitrified Clay Pipe-Circular-4 inch | 0.1 | 161,178.41 | 2.49 |
| E03175-E03173 | 8 | 77 | 0.013 | 0 | 0 | 0 | 559 | 558 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,051,822.47 | 5.42 |
| E03173-E03169 | 8 | 299 | 0.005 | 2 | 0 | 0 | 558 | 556.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 653,729.14 | 3.37 |
| D04121-D04117 | 6 | 14 | 0.071 | 1.9 | 0 | 0 | 571 | 570 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 1,145,391.16 | 8.86 |
| E05099-E05097 | 8 | 13 | 0.462 | 4.9 | 0 | 0 | 540 | 534 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 6,270,349.61 | 32.34 |
| F04109-F04107 | 8 | 7 | 0.143 | 2.4 | 0 | 0 | 533 | 532 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,488,500.48 | 17.99 |
| G02037-G02035 | 8 | 242 | 0.004 | 0 | 0 | 0 | 512.1 | 511.22 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 556,572.14 | 2.87 |
| G02035-G02033 | 8 | 166 | 0.004 | 0 | 0 | 0 | 511.22 | 510.51 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 603,619.05 | 3.11 |
| G02033-G02031 | 8 | 95 | 0.005 | 12.2 | 0 | 0 | 510.51 | 509.99 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 682,853.71 | 3.52 |
| F03117-F03115 | 8 | 61 | 0.016 | 0 | 0 | 0 | 539 | 538 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,181,742.60 | 6.09 |
| F03115-F03113 | 8 | 187 | 0.005 | 0 | 0 | 0 | 538 | 537 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 674,942.85 | 3.48 |
| F03113-F03111 | 8 | 70 | 0.014 | 0 | 0 | 0 | 537 | 536 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,103,160.71 | 5.69 |
| G02041-G02039 | 8 | 125 | 0.003 | 0 | 0 | 0 | 512.58 | 512.22 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 495,317.93 | 2.55 |
| G02039-G02027 | 8 | 203 | 0.004 | 9.5 | 0 | 0 | 512.22 | 511.36 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 600,743.41 | 3.10 |
| F02059-F02057 | 8 | 71 | 0.011 | 53.8 | 0 | 0 | 524.77 | 524 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 961,178.38 | 4.96 |
| F02055-F02053 | 8 | 80 | 0.004 | 0 | 0 | 0 | 538.64 | 538.29 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 610,487.58 | 3.15 |
| G02023-G02021 | 8 | 176 | 0.003 | 9.4 | 0 | 0 | 512.77 | 512.22 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 515,956.18 | 2.66 |
| G02043-G02017 | 8 | 156 | 0.004 | 8.7 | 0 | 0 | 513.94 | 513.38 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 552,992.86 | 2.85 |
| F02009-F02007 | 8 | 106 | 0.012 | 2 | 0 | 0 | 536 | 534.73 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,010,268.32 | 5.21 |
| G02045-G02015 | 8 | 132 | 0.003 | 9.6 | 0 | 0 | 514.7 | 514.25 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 538,898.65 | 2.78 |
| G02047-G02013 | 8 | 138 | 0.005 | 9.6 | 0 | 0 | 515.82 | 515.13 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 652,638.68 | 3.37 |
| F02051-F02049 | 8 | 109 | 0.022 | 0.8 | 0 | 0 | 534.71 | 532.27 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,380,923.03 | 7.12 |
| F02053-F01007 | 8 | 258 | 0.004 | 0 | 0 | 0 | 538.29 | 537.24 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 588,806.51 | 3.04 |
| F01007-F01005 | 8 | 109 | 0.019 | 0 | 0 | 0 | 537.24 | 535.12 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,287,189.50 | 6.64 |
| F01005-F01003 | 8 | 134 | 0.011 | 0 | 0 | 0 | 535.12 | 533.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 950,122.45 | 4.90 |
| F01003-F01001 | 8 | 125 | 0.009 | 5.8 | 0 | 0 | 533.7 | 532.57 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 877,550.31 | 4.53 |
| F01025-F01023 | 8 | 93 | 0.006 | 0 | 0 | 0 | 532.52 | 531.94 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 728,887.21 | 3.76 |
| F01023-F01017 | 8 | 160 | 0.019 | 4.2 | 0 | 0 | 531.94 | 528.92 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,268,035.14 | 6.54 |
| F01027-F01015 | 8 | 175 | 0.005 | 3.5 | 0 | 0 | 528.42 | 527.52 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 661,896.43 | 3.41 |
| G02051-G02009 | 8 | 210 | 0.007 | 6.8 | 0 | 0 | 522.35 | 520.97 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 748,200.00 | 3.86 |
| G02049-G02011 | 8 | 144 | 0.004 | 8.6 | 0 | 0 | 517.16 | 516.58 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 585,761.14 | 3.02 |
| F02037-F02035 | 8 | 351 | 0.003 | 2 | 0 | 0 | 529.71 | 528.51 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 539,665.77 | 2.78 |
| F02035-F02033 | 8 | 112 | 0.005 | 0 | 0 | 0 | 530.32 | 529.71 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 681,151.49 | 3.51 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|-------------------------------------|-------------------------------------|----------------|-----------------------------|
| F02033-F02031 | 8 | 130 | 0.004 | 0 | 0 | 0 | 530.82 | 530.32 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 572,401.99 | 2.95 |
| F02031-F02029 | 8 | 298 | 0.016 | 0 | 0 | 0 | 535.55 | 530.82 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,162,813.98 | 6.00 |
| F02067-F02015 | 8 | 165 | 0.004 | 0 | 0 | 0 | 536.16 | 535.43 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 613,913.62 | 3.17 |
| F02027-F02025 | 8 | 100 | 0.002 | 0 | 0 | 0 | 536.41 | 536.24 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 380,550.47 | 1.96 |
| F02029-F02025 | 8 | 104 | 0.007 | 0 | 0 | 0 | 536.24 | 535.55 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 751,788.51 | 3.88 |
| F02025-F02023 | 8 | 109 | 0.008 | 0 | 0 | 0 | 537.14 | 536.24 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 838,679.09 | 4.33 |
| F02063-F02019 | 8 | 183 | 0.007 | 0 | 0 | 0 | 538.73 | 537.36 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 798,587.57 | 4.12 |
| F02065-F02017 | 8 | 154 | 0.004 | 0 | 0 | 0 | 537.02 | 536.38 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 595,000.64 | 3.07 |
| F02021-F02019 | 8 | 192 | 0.004 | 0 | 0 | 0 | 538.06 | 537.36 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 557,296.37 | 2.87 |
| F02019-F02017 | 8 | 226 | 0.004 | 0 | 0 | 0 | 537.36 | 536.38 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 607,780.31 | 3.13 |
| F02017-F02015 | 8 | 249 | 0.004 | 0 | 0 | 0 | 536.38 | 535.43 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 570,098.55 | 2.94 |
| F02015-F02013 | 8 | 246 | 0.004 | 0 | 0 | 0 | 535.43 | 534.35 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 611,550.23 | 3.15 |
| F02013-F02011 | 8 | 173 | 0.006 | 0.9 | 0 | 0 | 534.35 | 533.28 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 725,866.32 | 3.74 |
| D01073-D01071 | 8 | 76 | 0.007 | 3.2 | 0 | 0 | 608.15 | 607.64 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 756,077.13 | 3.90 |
| D01075-D01071 | 8 | 105 | 0.004 | 3.2 | 0 | 0 | 608.1 | 607.64 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 610,902.74 | 3.15 |
| D01059-D01057 | 8 | 195 | 0.029 | 0 | 0 | 0 | 613.23 | 607.61 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,566,890.54 | 8.08 |
| D01053-D01051 | 8 | 268 | 0.017 | 0 | 0 | 0 | 615.23 | 610.73 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,195,987.57 | 6.17 |
| D01061-D01057 | 8 | 117 | 0.009 | 0 | 0 | 0 | 608.63 | 607.61 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 861,777.13 | 4.44 |
| D01057-D01055 | 8 | 369 | 0.006 | 0 | 0 | 0 | 607.61 | 605.3 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 730,265.21 | 3.77 |
| D01055-E01023 | 8 | 299 | 0.008 | 0 | 0 | 0 | 605.3 | 602.77 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 849,009.35 | 4.38 |
| E01023-E01021 | 8 | 190 | 0.01 | 0 | 0 | 0 | 602.77 | 600.9 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 915,654.87 | 4.72 |
| D01051-D01049 | 8 | 252 | 0.019 | 0 | 0 | 0 | 610.73 | 605.93 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,273,820.27 | 6.57 |
| D01049-E01021 | 8 | 302 | 0.017 | 0 | 0 | 0 | 605.93 | 600.9 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,191,155.14 | 6.14 |
| E01021-E01019 | 8 | 111 | 0.036 | 0 | 0 | 0 | 600.9 | 596.94 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,743,307.15 | 8.99 |
| E01035-E01033 | 8 | 289 | 0.004 | 5.2 | 0 | 0 | 594.25 | 593.17 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 564,222.97 | 2.91 |
| E01019-E01017 | 8 | 175 | 0.047 | 7.8 | 0 | 0 | 596.94 | 588.73 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,999,126.89 | 10.31 |
| E03225-E03223 | 8 | 57 | 0.018 | 0 | 0 | 0 | 554 | 553 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,222,504.25 | 6.30 |
| E03223-E03221 | 8 | 104 | 0.01 | 0 | 0 | 0 | 553 | 552 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 905,047.01 | 4.67 |
| E05127-E05125 | 8 | 15 | 0.067 | 1.3 | 0 | 0 | 532 | 531 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,383,099.51 | 12.29 |
| E04155-E04141 | 6 | 125 | 0.024 | 4.9 | 0 | 0 | 535 | 532 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 663,931.79 | 5.14 |
| E04145-E04143 | 6 | 124 | 0.032 | 3.9 | 0 | 0 | 539 | 535 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 769,727.49 | 5.95 |
| E04139-E04137 | 6 | 122 | 0.025 | 5.3 | 0 | 0 | 533 | 530 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 672,045.31 | 5.20 |
| E02053-E02051 | 8 | 205 | 0.006 | 3.3 | 0 | 0 | 591.25 | 589.98 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 726,461.72 | 3.75 |
| F02075-F02074 | 8 | 222.9 | 0.007 | 2.8 | 0 | 0 | 539.38 | 537.79 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 767,401.16 | 3.96 |
| E02095-E02094 | 8 | 141 | 0.062 | 0 | 0 | 0 | 562.82 | 556.32 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,296,412.15 | 11.84 |
| E02094-E02092 | 8 | 192 | 0.015 | 0 | 0 | 0 | 556.32 | 552.78 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,132,805.91 | 5.84 |
| E02092-E02088 | 8 | 278 | 0.006 | 0 | 0 | 0 | 552.78 | 551.14 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 702,613.54 | 3.62 |
| E02090-E02088 | 8 | 170 | 0.006 | 0 | 0 | 0 | 552.1 | 551.14 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 685,565.26 | 3.54 |
| E02088-F02196 | 8 | 160 | 0.004 | 10.1 | 0 | 0 | 551.14 | 550.46 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 594,319.99 | 3.07 |
| E03233-E03231 | 8 | 172 | 0.006 | 0 | 0 | 0 | 547 | 546 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 703,758.39 | 3.63 |
| E03231-E03229 | 8 | 79 | 0.013 | 0 | 0 | 0 | 546 | 545 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,038,422.91 | 5.36 |
| D02113-D02111 | 8 | 148 | 0.03 | 1.3 | 0 | 0 | 598.46 | 594.06 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,591,414.42 | 8.21 |
| E02035-E02033 | 8 | 140 | 0.007 | 5.2 | 0 | 0 | 569.51 | 568.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 783,942.98 | 4.04 |
| E03205-E03203 | 8 | 138 | 0.036 | 0 | 0 | 0 | 552 | 547 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,756,844.27 | 9.06 |
| E03203-F03127 | 8 | 264 | 0.004 | 0 | 0 | 0 | 547 | 546 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 568,049.06 | 2.93 |
| F03127-F03125 | 8 | 277 | 0.004 | 0 | 0 | 0 | 546 | 545 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 554,559.21 | 2.86 |
| F03125-F03123 | 8 | 305 | 0.016 | 0 | 0 | 0 | 545 | 540 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,181,742.60 | 6.09 |
| F03123-F03121 | 8 | 295 | 0.01 | 0 | 0 | 0 | 540 | 537 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 930,759.39 | 4.80 |
| F03121-F03119 | 8 | 183 | 0.005 | 0 | 0 | 0 | 537 | 536 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 682,279.41 | 3.52 |
| F03111-F03109 | 8 | 108 | 0.009 | 0 | 0 | 0 | 536 | 535 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 888,128.75 | 4.58 |
| F03119-F03109 | 8 | 34 | 0.029 | 0 | 0 | 0 | 536 | 535 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,582,881.30 | 8.16 |
| F03109-F03107 | 8 | 241 | 0.004 | 0 | 0 | 0 | 535 | 534 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 594,537.55 | 3.07 |
| F03107-F03105 | 8 | 273 | 0.004 | 0 | 0 | 0 | 534 | 533 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 558,607.14 | 2.88 |
| F03105-F03103 | 8 | 241 | 0.001 | 0 | 0 | 0 | 533 | 532.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 265,885.27 | 1.37 |
| F02180-F02178 | 8 | 298 | 0.006 | 0 | 0 | 0 | 556.12 | 554.45 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 688,629.17 | 3.55 |
| F02178-F02176 | 8 | 239 | 0.006 | 0 | 0 | 0 | 554.45 | 553.06 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 695,203.84 | 3.59 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|-------------------------------------|------------------------|----------------|-----------------------------|
| F02176-F02175 | 8 | 48 | 0.023 | 3 | 0 | 0 | 553.06 | 551.77 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,400,840.37 | 7.22 |
| F02194-F02192 | 8 | 245 | 0.004 | 9.5 | 0 | 0 | 551.05 | 549.88 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 604,226.01 | 3.12 |
| E03221-E03219 | 8 | 43 | 0.023 | 0 | 0 | 0 | 552 | 551 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,407,516.77 | 7.26 |
| E03219-E03217 | 8 | 83 | 0.012 | 0 | 0 | 0 | 551 | 550 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,013,091.71 | 5.22 |
| E03217-E03215 | 8 | 308 | 0.019 | 0 | 0 | 0 | 550 | 544 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,288,214.18 | 6.64 |
| F03135-E03215 | 8 | 337 | 0.003 | 0 | 0 | 0 | 545 | 544 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 502,774.05 | 2.59 |
| E03215-E03213 | 8 | 301 | 0.002 | 0 | 0 | 0 | 544 | 543.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 376,174.68 | 1.94 |
| E03227-E03213 | 8 | 88 | 0.04 | 0 | 0 | 0 | 547 | 543.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,840,689.32 | 9.49 |
| E03213-E03211 | 8 | 72 | 0.007 | 0 | 0 | 0 | 543.5 | 543 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 769,142.06 | 3.97 |
| E03211-E03209 | 8 | 34 | 0.015 | 0 | 0 | 0 | 543 | 542.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,119,266.10 | 5.77 |
| E03209-E03207 | 8 | 69 | 0.007 | 0 | 0 | 0 | 542.5 | 542 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 785,684.64 | 4.05 |
| E03229-E03207 | 8 | 137 | 0.022 | 0 | 0 | 0 | 545 | 542 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,365,803.28 | 7.04 |
| E03207-F03133 | 8 | 262 | 0.004 | 0 | 0 | 0 | 542 | 541 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 570,213.06 | 2.94 |
| F03133-F03131 | 8 | 300 | 0.007 | 0 | 0 | 0 | 541 | 539 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 753,602.23 | 3.89 |
| F03131-F03129 | 8 | 281 | 0.014 | 0 | 0 | 0 | 539 | 535 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,101,196.04 | 5.68 |
| F03103-F03101 | 8 | 45 | 0.007 | 0 | 0 | 0 | 532.8 | 532.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 753,602.23 | 3.89 |
| F03101-F03099 | 8 | 189 | 0.005 | 0 | 0 | 0 | 532.5 | 531.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 671,362.23 | 3.46 |
| F03129-F03099 | 8 | 289 | 0.012 | 0 | 0 | 0 | 535 | 531.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,015,717.44 | 5.24 |
| F03099-F03097 | 8 | 76 | 0.007 | 0 | 0 | 0 | 531.5 | 531 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 748,627.91 | 3.86 |
| F03097-F03095 | 8 | 45 | 0.007 | 0 | 0 | 0 | 531 | 530.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 753,602.23 | 3.89 |
| F03095-F03093 | 8 | 221 | 0.003 | 0 | 0 | 0 | 530.7 | 530 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 519,446.34 | 2.68 |
| F03093-F03091 | 8 | 95 | 0.011 | 0 | 0 | 0 | 530 | 529 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 946,947.72 | 4.88 |
| F01030-F02159 | 8 | 148 | 0.004 | 0.9 | 0 | 0 | 542.25 | 541.62 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 600,157.10 | 3.10 |
| F02096-F02094 | 8 | 306 | 0.002 | 1.5 | 0 | 0 | 544.5 | 544 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 453,615.24 | 2.34 |
| F03091-F03089 | 8 | 237 | 0.013 | 20.5 | 0 | 0 | 529 | 526 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,038,422.91 | 5.36 |
| E04161-E04159 | 8 | 22 | 0.045 | 0.8 | 0 | 0 | 538 | 537 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,967,779.66 | 10.15 |
| F03167-F03165 | 8 | 375 | 0.011 | 0 | 0 | 0 | 530.36 | 526.07 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 987,190.16 | 5.09 |
| F04159-F04157 | 8 | 284 | 0.009 | 0 | 0 | 0 | 527.48 | 524.82 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 893,242.66 | 4.61 |
| F04155-F04153 | 8 | 294 | 0.007 | 0 | 0 | 0 | 525.34 | 523.18 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 791,117.55 | 4.08 |
| F03173-F03171 | 8 | 284 | 0.009 | 0 | 0 | 0 | 531.22 | 528.54 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 896,594.43 | 4.62 |
| F03175-F03169 | 8 | 284 | 0.012 | 0 | 0 | 0 | 530.6 | 527.32 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 991,894.68 | 5.12 |
| F03171-F03169 | 8 | 242 | 0.005 | 0 | 0 | 0 | 528.54 | 527.32 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,329.98 | 3.38 |
| F03169-F03165 | 8 | 186 | 0.007 | 0 | 0 | 0 | 527.32 | 526.07 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 756,634.85 | 3.90 |
| F03165-F04157 | 8 | 237 | 0.005 | 0 | 0 | 0 | 526.07 | 524.82 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 670,299.11 | 3.46 |
| F04157-F04153 | 8 | 242 | 0.007 | 0 | 0 | 0 | 524.82 | 523.18 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 759,804.83 | 3.92 |
| F04153-F04147 | 8 | 224 | 0.009 | 20.8 | 0 | 0 | 523.18 | 521.2 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 867,753.54 | 4.48 |
| F03087-F03085 | 8 | 24 | 0.042 | 25.5 | 0 | 0 | 526 | 525 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,884,005.59 | 9.72 |
| F05101-F05077 | 8 | 20 | 0.05 | 65.3 | 0 | 0 | 508 | 507 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,063,824.72 | 10.64 |
| G05139-G05137 | 8 | 193 | 0.005 | 2 | 0 | 0 | 484 | 483 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 664,368.68 | 3.43 |
| F05029-F05025 | 8 | 173 | 0.012 | 1.8 | 0 | 0 | 499 | 497 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 992,384.00 | 5.12 |
| F05027-F05025 | 8 | 161 | 0.006 | 1.8 | 0 | 0 | 498 | 497 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 727,402.63 | 3.75 |
| F05117-F05103 | 8 | 33 | 0.03 | 20.1 | 0 | 0 | 505 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,606,685.36 | 8.29 |
| F05115-F05113 | 8 | 32 | 0.031 | 26.2 | 0 | 0 | 510 | 509 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,631,596.70 | 8.41 |
| F04111-F04103 | 8 | 126 | 0.032 | 3.7 | 0 | 0 | 532 | 528 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,644,494.90 | 8.48 |
| F04115-F04099 | 6 | 125 | 0.032 | 6 | 0 | 0 | 528 | 524 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 766,642.40 | 5.93 |
| F04113-F04101 | 8 | 125 | 0.024 | 4.2 | 0 | 0 | 529 | 526 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,429,859.71 | 7.37 |
| G02001-G03041 | 8 | 294 | 0.006 | 1.3 | 0 | 0 | 512.73 | 510.87 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 734,126.01 | 3.79 |
| D09007-D09005 | 8 | 72 | 0 | 50 | 0 | 0 | 433 | 433 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 0 | 0.00 |
| D09005-D09003 | 8 | 62 | 0 | 50 | 0 | 0 | 433 | 433 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 0 | 0.00 |
| D09003-D09001 | 8 | 52 | 0 | 50 | 0 | 0 | 433 | 433 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 0 | 0.00 |
| D09001-E09033 | 8 | 61 | 0 | 50 | 0 | 0 | 433 | 433 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 0 | 0.00 |
| E09033-E09031 | 8 | 61 | 0 | 50 | 0 | 0 | 433 | 433 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 0 | 0.00 |
| E09031-E09029 | 8 | 63 | 0.016 | 33.4 | 0 | 0 | 433 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,162,833.49 | 6.00 |
| E09029-E09027 | 8 | 57 | 0 | 66.8 | 0 | 0 | 432 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 0 | 0.00 |
| E09027-E09025 | 8 | 63 | 0 | 66.8 | 0 | 0 | 432 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 0 | 0.00 |
| E09025-E09023 | 8 | 56 | 0 | 66.8 | 0 | 0 | 432 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 0 | 0.00 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| C06087-C06085 | 8 | 6 | 0.167 | 0.4 | 0 | 0 | 606 | 605 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,768,011.17 | 19.43 |
| C05031-C05029 | 8 | 102 | 0.01 | 1.8 | 0 | 0 | 692 | 691 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 913,876.95 | 4.71 |
| C07071-C07065 | 6 | 88 | 0.023 | 2.1 | 0 | 0 | 527 | 525 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 646,087.75 | 5.00 |
| C08019-C08017 | 8 | 45 | 0.102 | 0 | 0 | 0 | 531.25 | 526.67 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,944,518.51 | 15.19 |
| C08017-C08015 | 8 | 309 | 0.024 | 0 | 0 | 0 | 526.67 | 519.28 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,427,351.01 | 7.36 |
| C08015-C08013 | 8 | 106 | 0.015 | 0 | 0 | 0 | 519.28 | 517.72 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,119,688.39 | 5.77 |
| C08013-C08011 | 8 | 134 | 0.02 | 0 | 0 | 0 | 517.72 | 515.1 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,290,583.34 | 6.66 |
| C08011-C08009 | 8 | 309 | 0.012 | 0 | 0 | 0 | 515.1 | 511.53 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 992,070.82 | 5.12 |
| C08009-C08007 | 8 | 47 | 0.018 | 0 | 0 | 0 | 511.53 | 510.69 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,233,895.90 | 6.36 |
| C08007-C08005 | 8 | 81 | 0.009 | 5.7 | 0 | 0 | 510.69 | 510 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 851,863.17 | 4.39 |
| D07107-D07131 | 8 | 277 | 0.014 | 2.5 | 0 | 0 | 503 | 499 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,109,118.42 | 5.72 |
| E09093-E09087 | 8 | 49 | 0 | 66.4 | 0 | 0 | 431 | 431 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 0 | 0.00 |
| E09089-E09087 | 8 | 149 | 0 | 66.4 | 0 | 0 | 431 | 431 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 0 | 0.00 |
| E09091-E09087 | 8 | 6 | 0 | 66.4 | 0 | 0 | 431 | 431 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 0 | 0.00 |
| D06093-D06091 | 8 | 338 | 0.015 | 2.4 | 0 | 0 | 553 | 548 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,122,572.66 | 5.79 |
| D07093-D07091 | 8 | 195 | 0.036 | 13.5 | 0 | 0 | 492 | 485 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,748,716.96 | 9.02 |
| D06147-D06143 | 10 | 24 | 0.021 | 7.6 | 0 | 0 | 504 | 503.5 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,415,426.85 | 7.47 |
| E06073-E06071 | 8 | 9 | 0.111 | 2.6 | 0 | 0 | 518 | 517 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,076,568.24 | 15.87 |
| E08031-E08029 | 15 | 262 | 0.008 | 1.1 | 0 | 0 | 459 | 457 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,310,776.95 | 5.56 |
| E09101-E09099 | 8 | 99 | 0.01 | 2.1 | 0 | 0 | 429 | 428 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 927,620.23 | 4.78 |
| E10025-E10023 | 8 | 230 | 0.004 | 0 | 0 | 0 | 428 | 427 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 608,588.71 | 3.14 |
| E10023-E09097 | 8 | 287 | 0.007 | 2.9 | 0 | 0 | 427 | 425 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 770,480.86 | 3.97 |
| E10019-E10017 | 15 | 400 | 0.01 | 0 | 0 | 0 | 425 | 421 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,933,909.73 | 6.36 |
| E10017-E10015 | 15 | 402 | 0.002 | 0 | 0 | 0 | 421 | 420 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,460,810.51 | 3.17 |
| E10015-E10013 | 15 | 317 | 0.003 | 1.7 | 0 | 0 | 420 | 419 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,771,159.79 | 3.57 |
| E09067-E09065 | 8 | 231 | 0.013 | 3.5 | 0 | 0 | 425 | 422 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,051,822.47 | 5.42 |
| F09009-F09007 | 8 | 154 | 0.007 | 0 | 0 | 0 | 423 | 421.93 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 769,341.81 | 3.97 |
| F09007-F09005 | 8 | 49 | 0.003 | 3.6 | 0 | 0 | 421.93 | 421.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 475,402.48 | 2.45 |
| E09055-E09053 | 8 | 32 | 0.031 | 2.1 | 0 | 0 | 445 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,631,596.70 | 8.41 |
| F09073-F09071 | 8 | 217 | 0.009 | 0 | 0 | 0 | 420 | 418 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 886,080.01 | 4.57 |
| F09071-F09069 | 8 | 215 | 0.009 | 0 | 0 | 0 | 418 | 416 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 890,191.77 | 4.59 |
| F09069-F09067 | 8 | 263 | 0.004 | 1.8 | 0 | 0 | 416 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 569,127.97 | 2.94 |
| G11053-G11051 | 8 | 125 | 0.008 | 2.9 | 0 | 0 | 387 | 386 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 825,529.89 | 4.26 |
| H06053-H06051 | 8 | 142 | 0.007 | 1.4 | 0 | 0 | 449 | 448 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 774,539.61 | 3.99 |
| G04067-G04065 | 8 | 15 | 0.033 | 0 | 0 | 0 | 495 | 494.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,685,105.82 | 8.69 |
| G04065-G04063 | 8 | 199 | 0.003 | 3.1 | 0 | 0 | 494.5 | 494 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 462,643.29 | 2.39 |
| G03007-G03005 | 8 | 256 | 0.004 | 0 | 0 | 0 | 495 | 494 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| G03005-G03003 | 8 | 186 | 0.005 | 2.5 | 0 | 0 | 494 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 676,754.78 | 3.49 |
| H06011-H06009 | 8 | 23 | 0.026 | 19.5 | 0 | 0 | 440 | 439.41 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,478,256.83 | 7.62 |
| D16031-D17011 | 8 | 129 | 0.053 | 0 | 0 | 0 | 633.16 | 626.34 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,122,194.28 | 10.95 |
| E18083-E18081 | 8 | 288 | 0.009 | 0 | 0 | 0 | 539.07 | 536.53 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 866,779.08 | 4.47 |
| E18081-E18079 | 8 | 288 | 0.01 | 0 | 0 | 0 | 536.53 | 533.76 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 905,172.70 | 4.67 |
| E18075-E18073 | 8 | 327 | 0.014 | 0 | 0 | 0 | 545.18 | 540.69 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,081,526.34 | 5.58 |
| E18077-E18055 | 8 | 259 | 0.008 | 4.5 | 0 | 0 | 532 | 529.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 850,646.79 | 4.39 |
| E18085-D18033 | 8 | 304 | 0.006 | 0 | 0 | 0 | 536.94 | 534.99 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 739,210.83 | 3.81 |
| D18033-D18031 | 8 | 298 | 0.007 | 0 | 0 | 0 | 534.99 | 532.93 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 767,384.96 | 3.96 |
| D18031-D18029 | 8 | 298 | 0.007 | 0 | 0 | 0 | 532.93 | 530.71 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 796,629.09 | 4.11 |
| E18073-E18071 | 8 | 315 | 0.015 | 0 | 0 | 0 | 540.69 | 536 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,126,208.89 | 5.81 |
| E18071-E18057 | 8 | 326 | 0.009 | 3.6 | 0 | 0 | 536 | 533.21 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 853,849.07 | 4.40 |
| E18087-D18039 | 8 | 301 | 0.003 | 0 | 0 | 0 | 538 | 537.02 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 526,644.55 | 2.72 |
| D18039-D18037 | 8 | 301 | 0.007 | 0 | 0 | 0 | 537.02 | 534.87 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 780,052.42 | 4.02 |
| D18037-D18035 | 8 | 300 | 0.007 | 0 | 0 | 0 | 534.87 | 532.69 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 786,783.83 | 4.06 |
| D18035-D18029 | 8 | 288 | 0.007 | 0 | 0 | 0 | 532.69 | 530.71 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 765,286.69 | 3.95 |
| E18079-D18027 | 8 | 319 | 0.006 | 0 | 0 | 0 | 533.76 | 531.94 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 697,153.09 | 3.60 |
| D18027-D18025 | 8 | 319 | 0.005 | 0 | 0 | 0 | 531.94 | 530.29 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 663,795.70 | 3.42 |
| D18029-D18023 | 8 | 288 | 0.014 | 0 | 0 | 0 | 530.71 | 526.75 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,082,278.81 | 5.58 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| D18025-D18023 | 8 | 321 | 0.011 | 0 | 0 | 0 | 530.29 | 526.75 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 969,252.48 | 5.00 |
| D18023-D18021 | 8 | 284 | 0.007 | 0 | 0 | 0 | 526.75 | 524.9 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 744,928.35 | 3.84 |
| E18053-E18051 | 8 | 130 | 0.014 | 3.4 | 0 | 0 | 530 | 528.15 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,101,037.21 | 5.68 |
| D18021-D18019 | 8 | 152 | 0.007 | 0 | 0 | 0 | 524.9 | 523.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 785,167.57 | 4.05 |
| D18041-D18019 | 8 | 74 | 0.029 | 0 | 0 | 0 | 525.97 | 523.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,580,526.62 | 8.15 |
| D18019-D18013 | 8 | 204 | 0.014 | 4.5 | 0 | 0 | 523.8 | 520.93 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,094,746.77 | 5.65 |
| D17065-D17063 | 12 | 144 | 0.021 | 0 | 0 | 0 | 521 | 518 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,927,750.38 | 7.60 |
| D17063-D17061 | 8 | 97 | 0.031 | 0 | 0 | 0 | 518 | 515 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,623,164.62 | 8.37 |
| D17061-D17059 | 8 | 20 | 0.188 | 14.2 | 0 | 0 | 515 | 511.25 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,996,579.38 | 20.61 |
| D17025-D17023 | 12 | 193 | 0.031 | 1.3 | 0 | 0 | 520 | 514 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 4,798,013.53 | 9.28 |
| D17053-D17047 | 8 | 205 | 0.022 | 2.7 | 0 | 0 | 545.31 | 540.87 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,358,320.83 | 7.01 |
| D17011-D17009 | 8 | 198 | 0.09 | 0 | 0 | 0 | 626.34 | 608.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,770,464.80 | 14.29 |
| D17009-D17007 | 8 | 41 | 0.085 | 0 | 0 | 0 | 608.5 | 605 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,696,683.02 | 13.91 |
| D17007-D17005 | 8 | 51 | 0.078 | 0 | 0 | 0 | 605 | 601.03 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,575,122.97 | 13.28 |
| D17005-D17003 | 8 | 61 | 0.174 | 0 | 0 | 0 | 601.03 | 590.44 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,845,659.86 | 19.83 |
| D17043-D17041 | 8 | 112 | 0.223 | 0 | 0 | 0 | 581.6 | 556.61 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 4,359,753.39 | 22.49 |
| D17055-D17027 | 8 | 239 | 0.021 | 3.3 | 0 | 0 | 525 | 520 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,334,977.23 | 6.89 |
| D17029-D17027 | 8 | 226 | 0.022 | 3.3 | 0 | 0 | 525 | 520 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,372,835.78 | 7.08 |
| D17039-D17037 | 8 | 215 | 0.008 | 0.6 | 0 | 0 | 539.13 | 537.33 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 844,510.06 | 4.36 |
| D17041-D17037 | 8 | 324 | 0.06 | 0.6 | 0 | 0 | 556.61 | 537.33 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,251,483.75 | 11.61 |
| D17035-D17033 | 8 | 217 | 0.003 | 2.2 | 0 | 0 | 528.6 | 527.95 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 505,143.33 | 2.61 |
| D17003-D17001 | 8 | 110 | 0.231 | 0 | 0 | 0 | 590.44 | 565 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 4,438,640.98 | 22.89 |
| D17001-D16029 | 8 | 171 | 0.173 | 0 | 0 | 0 | 565 | 535.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,833,546.72 | 19.77 |
| D16027-D16025 | 8 | 193 | 0.09 | 0 | 0 | 0 | 550.86 | 533.48 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,769,708.34 | 14.28 |
| D16025-D16023 | 8 | 114 | 0.017 | 0 | 0 | 0 | 533.48 | 531.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,216,376.38 | 6.27 |
| D16029-D16023 | 8 | 136 | 0.029 | 0 | 0 | 0 | 535.5 | 531.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,582,881.30 | 8.16 |
| D16023-D16021 | 8 | 107 | 0.203 | 0.7 | 0 | 0 | 531.5 | 509.73 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 4,163,179.47 | 21.47 |
| E18130-E18126 | 8 | 190 | 0.005 | 0 | 0 | 0 | 530 | 529 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 669,593.16 | 3.45 |
| E18128-E18126 | 8 | 106 | 0.01 | 0 | 0 | 0 | 530.09 | 529 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 935,940.25 | 4.83 |
| E18126-E18124 | 8 | 197 | 0.007 | 0 | 0 | 0 | 529 | 527.64 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 766,874.24 | 3.96 |
| E18124-F18045 | 8 | 236 | 0.009 | 0 | 0 | 0 | 527.64 | 525.62 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 853,900.94 | 4.40 |
| F18045-F17041 | 12 | 203 | 0.009 | 0 | 0 | 0 | 525.62 | 523.88 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,519,365.07 | 4.87 |
| D12015-D12013 | 8 | 309 | 0.003 | 0 | 0 | 0 | 430 | 429 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 525,059.56 | 2.71 |
| D12013-D13027 | 8 | 155 | 0.006 | 8.2 | 0 | 0 | 429 | 428 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 741,347.72 | 3.82 |
| E14077-E14075 | 6 | 226 | 0.009 | 4.8 | 0 | 0 | 457 | 455 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 403,161.10 | 3.12 |
| F17011-F17009 | 12 | 336 | 0.01 | 0 | 0 | 0 | 513.23 | 510 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,668,063.25 | 5.16 |
| F17009-F17007 | 12 | 234 | 0.004 | 0 | 0 | 0 | 510 | 509 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,778,920.62 | 3.44 |
| F17007-F17005 | 12 | 250 | 0.004 | 10.4 | 0 | 0 | 509 | 508 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,721,053.99 | 3.33 |
| E17034-E17032 | 8 | 168 | 0.006 | 0 | 0 | 0 | 526 | 525 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 712,087.18 | 3.67 |
| E17032-E17030 | 8 | 152 | 0.007 | 0 | 0 | 0 | 525 | 524 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 748,627.91 | 3.86 |
| F19026-F19024 | 8 | 147 | 0.098 | 1.1 | 0 | 0 | 609.5 | 595 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,888,956.15 | 14.90 |
| F20003-F20001 | 8 | 262.8 | 0.135 | 0.8 | 0 | 0 | 719.81 | 684.48 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,389,291.95 | 17.48 |
| F19033-F19032 | 8 | 26 | 0.033 | 5.2 | 0 | 0 | 559 | 558.12 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,666,277.24 | 8.59 |
| F19016-F19015 | 8 | 26 | 0.053 | 7.7 | 0 | 0 | 554 | 552.57 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,124,095.04 | 10.95 |
| E17030-F17047 | 8 | 239 | 0.004 | 0 | 0 | 0 | 524 | 523 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 597,019.97 | 3.08 |
| F17047-F17039 | 8 | 241 | 0.004 | 0 | 0 | 0 | 523 | 522.1 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 564,027.84 | 2.91 |
| E18122-E18120 | 8 | 259 | 0.009 | 0 | 0 | 0 | 530.51 | 528.05 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 899,508.93 | 4.64 |
| E18120-E17043 | 8 | 251 | 0.011 | 0 | 0 | 0 | 528.05 | 525.24 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 976,571.64 | 5.04 |
| E17043-E17040 | 8 | 212 | 0.011 | 3.3 | 0 | 0 | 525.24 | 523 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 948,732.74 | 4.89 |
| F17041-F17039 | 12 | 199 | 0.009 | 0 | 0 | 0 | 523.88 | 522.1 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,573,640.97 | 4.98 |
| F17039-F17037 | 8 | 215 | 0.007 | 0 | 0 | 0 | 522.1 | 520.57 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 778,599.81 | 4.02 |
| F17037-F17035 | 8 | 217 | 0.006 | 0 | 0 | 0 | 520.57 | 519.27 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 714,380.54 | 3.68 |
| F17035-F17033 | 8 | 121 | 0.024 | 6.8 | 0 | 0 | 519.27 | 516.41 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,418,986.09 | 7.32 |
| E17053-E17051 | 8 | 300 | 0.003 | 0 | 0 | 0 | 524.23 | 523.19 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 543,430.30 | 2.80 |
| E17051-E17050 | 8 | 49 | 0.006 | 0 | 0 | 0 | 523.19 | 522.91 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 697,700.10 | 3.60 |
| E17050-E17048 | 8 | 198 | 0.003 | 0 | 0 | 0 | 522.91 | 522.22 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 544,853.52 | 2.81 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| E17048-E17046 | 8 | 197 | 0.005 | 4.3 | 0 | 0 | 522.22 | 521.33 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 620,368.44 | 3.20 |
| F17032-F17030 | 8 | 167 | 0.011 | 6.5 | 0 | 0 | 518.13 | 516.23 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 984,478.81 | 5.08 |
| F14141-F14137 | 8 | 219 | 0.009 | 0.8 | 0 | 0 | 433 | 431 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 882,024.70 | 4.55 |
| F14139-F14137 | 8 | 72 | 0.028 | 0.8 | 0 | 0 | 433 | 431 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,538,284.12 | 7.93 |
| F13089-F13087 | 8 | 144 | 0.014 | 0.9 | 0 | 0 | 426 | 424 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,087,731.13 | 5.61 |
| E14019-E14017 | 15 | 310 | 0.003 | 0.5 | 0 | 0 | 453 | 452 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,802,272.42 | 3.61 |
| F13073-F13071 | 8 | 213 | 0.005 | 4.7 | 0 | 0 | 413 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 632,408.95 | 3.26 |
| J06095-J06093 | 8 | 62 | 0.017 | 0.8 | 0 | 0 | 435.44 | 434.39 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,201,120.59 | 6.19 |
| J06073-J06071 | 8 | 275 | 0.01 | 0 | 0 | 0 | 428.04 | 425.21 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 936,299.26 | 4.83 |
| J06071-J06069 | 8 | 259 | 0.025 | 0 | 0 | 0 | 425.21 | 418.82 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,449,734.10 | 7.48 |
| J06065-J06063 | 8 | 226 | 0.006 | 0 | 0 | 0 | 434.17 | 432.74 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 734,178.41 | 3.79 |
| J06063-J06061 | 8 | 301 | 0.006 | 0 | 0 | 0 | 432.74 | 430.83 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 735,226.65 | 3.79 |
| J06061-J06059 | 8 | 295 | 0.006 | 0 | 0 | 0 | 430.83 | 428.92 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 742,665.90 | 3.83 |
| J06059-J06057 | 8 | 300 | 0.006 | 3.7 | 0 | 0 | 428.92 | 427.04 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 730,644.47 | 3.77 |
| J07135-J07133 | 8 | 109 | 0.033 | 2.3 | 0 | 0 | 423.72 | 420.09 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,684,332.66 | 8.69 |
| J06055-J06053 | 8 | 181 | 0.007 | 0 | 0 | 0 | 431.69 | 430.38 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 785,207.01 | 4.05 |
| J06053-J06051 | 8 | 180 | 0.007 | 0 | 0 | 0 | 430.38 | 429.07 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 787,385.12 | 4.06 |
| J06051-J06049 | 8 | 290 | 0.007 | 0 | 0 | 0 | 429.07 | 427.03 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 774,112.16 | 3.99 |
| J06049-J06047 | 8 | 292 | 0.006 | 3.6 | 0 | 0 | 427.03 | 425.15 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 740,585.67 | 3.82 |
| H06073-H06071 | 8 | 214 | 0.009 | 4.7 | 0 | 0 | 440.94 | 439.08 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 860,473.29 | 4.44 |
| J06081-J06079 | 8 | 254 | 0.008 | 3.8 | 0 | 0 | 429.34 | 427.25 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 837,228.67 | 4.32 |
| J06069-J06067 | 8 | 38 | 0.036 | 8.1 | 0 | 0 | 418.82 | 417.47 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,739,654.05 | 8.97 |
| J07127-J07125 | 10 | 57 | 0.024 | 7 | 0 | 0 | 417 | 415.66 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,565,839.46 | 7.94 |
| D11087-D11085 | 8 | 38 | 0.026 | 0.8 | 0 | 0 | 450 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,497,255.82 | 7.72 |
| H08013-H08009 | 8 | 427 | 0.002 | 7.3 | 0 | 0 | 434 | 433 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 446,656.72 | 2.30 |
| F06139-F06137 | 8 | 303 | 0.013 | 0 | 0 | 0 | 493 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,060,465.36 | 5.47 |
| F06137-F06129 | 8 | 90 | 0.017 | 8.5 | 0 | 0 | 489 | 487.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,191,549.76 | 6.15 |
| F06135-F06133 | 8 | 202 | 0.005 | 0 | 0 | 0 | 490 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 649,399.76 | 3.35 |
| F06133-F06131 | 8 | 231 | 0.004 | 2.9 | 0 | 0 | 489 | 488 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 607,269.99 | 3.13 |
| F07155-F07153 | 8 | 93 | 0.022 | 2.3 | 0 | 0 | 468 | 466 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,353,509.57 | 6.98 |
| F05005-F05003 | 8 | 15 | 0.067 | 2.3 | 0 | 0 | 501 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,383,099.51 | 12.29 |
| J07071-J07069 | 8 | 289 | 0.004 | 0 | 0 | 0 | 413.5 | 412.45 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 556,331.35 | 2.87 |
| J07069-J07067 | 8 | 300 | 0.003 | 0 | 0 | 0 | 412.45 | 411.41 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 543,430.30 | 2.80 |
| J07067-J07065 | 8 | 293 | 0.004 | 0 | 0 | 0 | 411.41 | 410.16 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 602,849.64 | 3.11 |
| J07065-J07063 | 8 | 301 | 0.005 | 0 | 0 | 0 | 410.16 | 408.64 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,882.97 | 3.38 |
| J07063-J07061 | 8 | 230 | 0.005 | 0 | 0 | 0 | 408.64 | 407.6 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 620,641.14 | 3.20 |
| J07073-J07061 | 8 | 170 | 0.004 | 0 | 0 | 0 | 408.2 | 407.6 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 548,326.17 | 2.83 |
| J07061-J07059 | 8 | 290 | 0.004 | 0 | 0 | 0 | 407.6 | 406.58 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 547,379.96 | 2.82 |
| J07059-J08113 | 8 | 185 | 0.003 | 0 | 0 | 0 | 406.58 | 405.94 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 542,865.11 | 2.80 |
| J08113-J08111 | 8 | 129 | 0.005 | 0 | 0 | 0 | 405.94 | 405.29 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,163.40 | 3.38 |
| J08115-J08111 | 8 | 106 | 0.005 | 0 | 0 | 0 | 405.85 | 405.29 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 670,855.35 | 3.46 |
| J08111-J08109 | 8 | 275 | 0.003 | 0 | 0 | 0 | 405.29 | 404.37 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 533,845.24 | 2.75 |
| J06099-J07159 | 8 | 46 | 0.033 | 0 | 0 | 0 | 422 | 420.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,666,688.81 | 8.60 |
| J06101-J07165 | 8 | 307 | 0.004 | 0 | 0 | 0 | 419.9 | 418.61 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 598,292.38 | 3.09 |
| J07165-J07163 | 8 | 351 | 0.003 | 1.8 | 0 | 0 | 418.61 | 417.41 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 539,665.77 | 2.78 |
| J07159-J07157 | 8 | 287 | 0.006 | 0 | 0 | 0 | 420.5 | 418.77 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 716,588.63 | 3.70 |
| J07167-J07151 | 8 | 69 | 0.006 | 1.9 | 0 | 0 | 413 | 412.57 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 728,613.96 | 3.76 |
| J07157-J07155 | 8 | 253 | 0.006 | 0 | 0 | 0 | 418.77 | 417.24 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 717,750.10 | 3.70 |
| J07155-J07153 | 8 | 143 | 0.007 | 1.5 | 0 | 0 | 417.24 | 416.18 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 794,644.21 | 4.10 |
| J07173-J07145 | 8 | 67 | 0.007 | 1.9 | 0 | 0 | 410.19 | 409.75 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 747,957.19 | 3.86 |
| J07169-J07149 | 8 | 69 | 0.007 | 1.9 | 0 | 0 | 411.89 | 411.44 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 745,365.90 | 3.84 |
| J07171-J07149 | 8 | 69 | 0.007 | 1.9 | 0 | 0 | 411.89 | 411.44 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 745,365.90 | 3.84 |
| J07175-J07143 | 8 | 67 | 0.007 | 1.9 | 0 | 0 | 409.09 | 408.65 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 747,957.19 | 3.86 |
| F06021-F06039 | 8 | 256 | 0.004 | 0 | 0 | 0 | 485 | 484 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| F06039-F06037 | 8 | 329 | 0.012 | 1.3 | 0 | 0 | 484 | 480 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,017,700.19 | 5.25 |
| F09123-F09111 | 8 | 167 | 0.006 | 4 | 0 | 0 | 431 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 714,215.99 | 3.68 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| F09107-F09105 | 8 | 152 | 0.007 | 6.3 | 0 | 0 | 428 | 427 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 748,627.91 | 3.86 |
| F08027-F08025 | 8 | 216 | 0.005 | 1.4 | 0 | 0 | 445 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 628,001.86 | 3.24 |
| F09079-G09031 | 8 | 203 | 0.005 | 0 | 0 | 0 | 422 | 421 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 647,798.28 | 3.34 |
| G09031-G09029 | 8 | 215 | 0.005 | 14.9 | 0 | 0 | 421 | 420 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 629,460.64 | 3.25 |
| F07029-F07027 | 8 | 118 | 0.008 | 0 | 0 | 0 | 461 | 460 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 849,663.19 | 4.38 |
| F07027-F07025 | 8 | 335 | 0.006 | 1.3 | 0 | 0 | 460 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 713,149.20 | 3.68 |
| F07031-F07025 | 8 | 199 | 0.005 | 1.3 | 0 | 0 | 459 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 654,276.42 | 3.37 |
| F06049-F06047 | 8 | 128 | 0.016 | 0 | 0 | 0 | 489 | 487 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,153,713.09 | 5.95 |
| F06047-F06045 | 8 | 266 | 0.008 | 0 | 0 | 0 | 487 | 485 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 800,316.90 | 4.13 |
| F06045-F06043 | 8 | 264 | 0.038 | 0 | 0 | 0 | 485 | 475 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,796,328.85 | 9.26 |
| F06043-F06041 | 8 | 375 | 0.003 | 0 | 0 | 0 | 475 | 474 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 476,619.90 | 2.46 |
| F06023-F06005 | 8 | 213 | 0.009 | 3.6 | 0 | 0 | 473 | 471 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 894,361.31 | 4.61 |
| F06041-F06027 | 8 | 335 | 0.006 | 1.7 | 0 | 0 | 474 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 713,149.20 | 3.68 |
| F06019-F06017 | 8 | 195 | 0.015 | 0 | 0 | 0 | 483 | 480 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,144,803.98 | 5.90 |
| F06017-F06015 | 8 | 278 | 0.011 | 0 | 0 | 0 | 480 | 477 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 958,795.61 | 4.94 |
| F06015-F06013 | 8 | 338 | 0.004 | 2.1 | 0 | 0 | 477 | 475.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 614,858.37 | 3.17 |
| F07061-F07059 | 8 | 362 | 0.006 | 3.7 | 0 | 0 | 470 | 468 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 686,038.55 | 3.54 |
| F07035-F07033 | 8 | 83 | 0.012 | 0 | 0 | 0 | 459 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,013,091.71 | 5.22 |
| F07033-F07023 | 8 | 121 | 0.008 | 1.1 | 0 | 0 | 458 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 839,064.07 | 4.33 |
| F07013-F07007 | 8 | 169 | 0.006 | 2.5 | 0 | 0 | 454 | 453 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 709,977.29 | 3.66 |
| D11049-D11047 | 8 | 117 | 0.025 | 0 | 0 | 0 | 496.79 | 493.86 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,460,591.22 | 7.53 |
| D11047-D11045 | 8 | 72 | 0.025 | 4.2 | 0 | 0 | 493.86 | 492.05 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,463,392.57 | 7.55 |
| C10005-C10003 | 8 | 132 | 0.015 | 3.3 | 0 | 0 | 489 | 487 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,136,098.12 | 5.86 |
| D09061-D09059 | 8 | 20 | 0.05 | 0 | 0 | 0 | 451 | 450 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,063,824.72 | 10.64 |
| C11021-C11019 | 8 | 152 | 0.046 | 2.4 | 0 | 0 | 520 | 513 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,980,683.27 | 10.22 |
| D09059-D09057 | 8 | 38 | 0.026 | 0 | 0 | 0 | 450 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,497,255.82 | 7.72 |
| D09057-D09055 | 8 | 202 | 0.005 | 7.3 | 0 | 0 | 449 | 448 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 649,399.76 | 3.35 |
| G14111-G14109 | 8 | 45 | 0.016 | 0 | 0 | 0 | 400.77 | 400.06 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,159,339.74 | 5.98 |
| G14109-G14107 | 8 | 184 | 0.004 | 0 | 0 | 0 | 400.06 | 399.25 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 612,380.57 | 3.16 |
| G14107-G14105 | 8 | 44 | 0.009 | 0 | 0 | 0 | 399.25 | 398.87 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 857,735.27 | 4.42 |
| G14105-G14103 | 8 | 83 | 0.006 | 0 | 0 | 0 | 398.87 | 398.39 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 701,890.52 | 3.62 |
| G14103-H14037 | 8 | 291 | 0.004 | 0 | 0 | 0 | 398.39 | 397.29 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 567,463.14 | 2.93 |
| H14037-H14035 | 8 | 49 | 0.008 | 0 | 0 | 0 | 397.29 | 396.92 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 802,030.03 | 4.14 |
| J07103-J07101 | 8 | 185 | 0.01 | 0 | 0 | 0 | 425.8 | 423.97 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 917,967.89 | 4.73 |
| J07101-J07097 | 8 | 157 | 0.01 | 0 | 0 | 0 | 423.97 | 422.38 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 928,830.66 | 4.79 |
| J07099-J07097 | 8 | 158 | 0.009 | 0 | 0 | 0 | 423.77 | 422.38 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 865,698.50 | 4.46 |
| J07105-J07093 | 8 | 68 | 0.006 | 1.2 | 0 | 0 | 416.81 | 416.39 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 725,367.34 | 3.74 |
| J07097-J07095 | 8 | 178 | 0.017 | 0.8 | 0 | 0 | 422.38 | 419.43 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,188,197.99 | 6.13 |
| J07113-J07107 | 8 | 97 | 0.005 | 0 | 0 | 0 | 424.66 | 424.13 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 682,244.24 | 3.52 |
| J07111-J07109 | 8 | 191 | 0.004 | 0 | 0 | 0 | 426.27 | 425.47 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 597,332.46 | 3.08 |
| J07109-J07107 | 8 | 177 | 0.008 | 0 | 0 | 0 | 425.47 | 424.13 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 803,070.32 | 4.14 |
| J07107-J07087 | 8 | 256 | 0.042 | 1.1 | 0 | 0 | 424.13 | 413.31 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,897,498.56 | 9.79 |
| J07057-J07055 | 8 | 206 | 0.007 | 0 | 0 | 0 | 408.55 | 407.21 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 744,400.40 | 3.84 |
| J07053-J08107 | 8 | 182 | 0.008 | 0 | 0 | 0 | 409.99 | 408.54 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 823,827.18 | 4.25 |
| J08107-J08105 | 8 | 199 | 0.025 | 0 | 0 | 0 | 408.54 | 403.51 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,467,389.01 | 7.57 |
| J07055-J08109 | 8 | 231 | 0.012 | 0 | 0 | 0 | 407.21 | 404.37 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,023,389.57 | 5.28 |
| J08109-J08105 | 8 | 246 | 0.003 | 0 | 0 | 0 | 404.37 | 403.51 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 545,719.51 | 2.81 |
| J08105-J08101 | 8 | 247 | 0.004 | 0 | 0 | 0 | 403.51 | 402.64 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 547,770.90 | 2.83 |
| G11037-G11035 | 8 | 130 | 0.054 | 5 | 0 | 0 | 395 | 388 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,141,732.13 | 11.05 |
| J08025-J08023 | 8 | 116 | 0.005 | 0 | 0 | 0 | 404.54 | 404 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 629,731.90 | 3.25 |
| H07027-J07121 | 10 | 57 | 0.026 | 7.3 | 0 | 0 | 416 | 414.52 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,696,546.65 | 8.34 |
| J08061-J08059 | 8 | 115 | 0.006 | 0 | 0 | 0 | 401.26 | 400.59 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 704,492.36 | 3.63 |
| J07047-J07045 | 8 | 243 | 0.01 | 0 | 0 | 0 | 418.44 | 416.02 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 921,069.40 | 4.75 |
| J08093-J08091 | 8 | 162 | 0.004 | 0 | 0 | 0 | 410.27 | 409.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 547,479.33 | 2.82 |
| J08091-J08089 | 8 | 185 | 0.005 | 0 | 0 | 0 | 409.7 | 408.85 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 625,621.13 | 3.23 |
| J07045-J07043 | 8 | 243 | 0.018 | 0 | 0 | 0 | 416.02 | 411.67 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,234,892.91 | 6.37 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| J07043-J08089 | 8 | 245 | 0.012 | 0 | 0 | 0 | 411.67 | 408.85 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 990,214.59 | 5.11 |
| J08089-J08087 | 8 | 256 | 0.008 | 0 | 0 | 0 | 408.85 | 406.68 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 849,762.75 | 4.38 |
| J08087-J08085 | 8 | 277 | 0.023 | 0 | 0 | 0 | 406.68 | 400.2 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,411,677.28 | 7.28 |
| J07051-J08103 | 8 | 203 | 0.009 | 0 | 0 | 0 | 411.2 | 409.36 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 878,716.33 | 4.53 |
| J07049-J08099 | 8 | 236 | 0.015 | 0 | 0 | 0 | 412.29 | 408.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,138,358.44 | 5.87 |
| J08099-J08097 | 8 | 234 | 0.029 | 0 | 0 | 0 | 408.7 | 401.98 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,564,100.00 | 8.07 |
| J08103-J08101 | 8 | 216 | 0.031 | 0 | 0 | 0 | 409.36 | 402.64 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,627,966.89 | 8.40 |
| J08101-J08097 | 8 | 243 | 0.003 | 0 | 0 | 0 | 402.64 | 401.98 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 481,012.81 | 2.48 |
| J08097-J08095 | 8 | 143 | 0.005 | 0 | 0 | 0 | 401.98 | 401.28 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 645,756.53 | 3.33 |
| J08095-J08085 | 8 | 161 | 0.007 | 0 | 0 | 0 | 401.28 | 400.2 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 755,938.99 | 3.90 |
| J08085-J08083 | 8 | 183 | 0.007 | 9.5 | 0 | 0 | 400.2 | 398.87 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 786,843.00 | 4.06 |
| J08047-J08045 | 8 | 23 | 0.025 | 0 | 0 | 0 | 401.81 | 401.23 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,465,675.69 | 7.56 |
| J08043-J08041 | 8 | 16 | 0.027 | 0 | 0 | 0 | 401.81 | 401.38 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,513,080.53 | 7.80 |
| J08041-J08039 | 8 | 21 | 0.024 | 0 | 0 | 0 | 401.38 | 400.88 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,424,174.36 | 7.35 |
| J08039-J08037 | 8 | 196 | 0.014 | 0 | 0 | 0 | 400.88 | 398.06 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,107,093.56 | 5.71 |
| J08045-J08037 | 8 | 193 | 0.016 | 0 | 0 | 0 | 401.23 | 398.06 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,182,874.81 | 6.10 |
| J08037-J08035 | 8 | 54 | 0.022 | 3.5 | 0 | 0 | 398.06 | 396.88 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,364,369.28 | 7.04 |
| J08059-J08057 | 8 | 145 | 0.004 | 0 | 0 | 0 | 400.59 | 400.01 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 583,737.78 | 3.01 |
| J08057-J08055 | 8 | 90 | 0.005 | 0 | 0 | 0 | 400.01 | 399.55 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 659,850.38 | 3.40 |
| J08055-J08053 | 8 | 106 | 0.036 | 0 | 0 | 0 | 399.55 | 395.71 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,756,711.67 | 9.06 |
| J08053-J08033 | 8 | 61 | 0.014 | 10.5 | 0 | 0 | 395.71 | 394.87 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,083,084.98 | 5.59 |
| F12055-F12053 | 8 | 204 | 0.01 | 0.7 | 0 | 0 | 401 | 399 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 913,876.95 | 4.71 |
| G15007-G15005 | 8 | 232 | 0.013 | 0.9 | 0 | 0 | 440 | 437 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,049,553.16 | 5.41 |
| G09089-G09087 | 8 | 136 | 0.007 | 1.1 | 0 | 0 | 407 | 406 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 791,440.65 | 4.08 |
| G09085-G09083 | 8 | 136 | 0.015 | 1 | 0 | 0 | 407 | 405 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,119,266.10 | 5.77 |
| G14117-G14115 | 8 | 251 | 0.012 | 0.8 | 0 | 0 | 400.55 | 397.64 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 993,796.45 | 5.13 |
| H14035-H14033 | 8 | 68 | 0.006 | 0.8 | 0 | 0 | 396.92 | 396.49 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 733,951.87 | 3.79 |
| G14101-G14099 | 8 | 110 | 0.005 | 0 | 0 | 0 | 398.87 | 398.29 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 670,201.60 | 3.46 |
| G14099-G14097 | 8 | 64 | 0.019 | 4.9 | 0 | 0 | 398.29 | 397.06 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,279,529.71 | 6.60 |
| G13121-G13119 | 10 | 277 | 0.007 | 3.2 | 0 | 0 | 387 | 385 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,421,967.34 | 4.40 |
| J08073-J08071 | 8 | 173 | 0.006 | 0 | 0 | 0 | 407.21 | 406.24 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 691,115.48 | 3.56 |
| J08071-J08067 | 8 | 173 | 0.033 | 0 | 0 | 0 | 406.24 | 400.61 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,665,018.08 | 8.59 |
| J09045-J09043 | 8 | 299 | 0.004 | 0 | 0 | 0 | 390.95 | 389.9 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 546,949.04 | 2.82 |
| F13055-F13053 | 8 | 164 | 0.012 | 0 | 0 | 0 | 410 | 408 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,019,250.38 | 5.26 |
| F13053-F13051 | 8 | 88 | 0.023 | 0 | 0 | 0 | 408 | 406 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,391,430.34 | 7.18 |
| F13051-F13039 | 8 | 95 | 0.02 | 8.5 | 0 | 0 | 406 | 404.08 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,312,129.26 | 6.77 |
| J11101-J11099 | 8 | 173 | 0.004 | 1.3 | 0 | 0 | 376.34 | 375.66 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 578,654.34 | 2.98 |
| J07013-J07011 | 8 | 178 | 0.007 | 0 | 0 | 0 | 414.47 | 413.28 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 754,659.92 | 3.89 |
| J07011-J07007 | 8 | 176 | 0.011 | 0 | 0 | 0 | 413.28 | 411.39 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 956,450.23 | 4.93 |
| J07009-J07007 | 8 | 73 | 0.016 | 0 | 0 | 0 | 412.53 | 411.39 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,153,396.96 | 5.95 |
| J07007-K07017 | 8 | 148 | 0.004 | 0 | 0 | 0 | 411.39 | 410.84 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 562,649.96 | 2.90 |
| J08129-J08017 | 8 | 71 | 0.006 | 6 | 0 | 0 | 402.61 | 402.2 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 701,375.45 | 3.62 |
| J06021-J06019 | 8 | 169 | 0.005 | 0 | 0 | 0 | 428.62 | 427.83 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 631,041.62 | 3.25 |
| J06023-J06019 | 8 | 160 | 0.001 | 0 | 0 | 0 | 428.05 | 427.83 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 342,246.61 | 1.77 |
| J06019-J06017 | 8 | 247 | 0.003 | 1.1 | 0 | 0 | 427.83 | 427.17 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 477,102.07 | 2.46 |
| J05003-J05001 | 8 | 90 | 0.01 | 1.5 | 0 | 0 | 440.08 | 439.15 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 938,227.22 | 4.84 |
| J06045-J06043 | 8 | 97 | 0.006 | 1.2 | 0 | 0 | 438.49 | 437.95 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 688,650.43 | 3.55 |
| J06041-J06039 | 8 | 143 | 0.005 | 1.3 | 0 | 0 | 436.23 | 435.58 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 622,266.57 | 3.21 |
| J06037-J06035 | 8 | 156 | 0.004 | 1.3 | 0 | 0 | 434.51 | 433.82 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 613,832.75 | 3.17 |
| J07027-J07025 | 8 | 210 | 0.008 | 0 | 0 | 0 | 420.94 | 419.24 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 830,429.22 | 4.28 |
| J07025-J07023 | 8 | 210 | 0.008 | 0 | 0 | 0 | 419.24 | 417.53 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 832,868.07 | 4.30 |
| J06033-J06031 | 8 | 63 | 0.003 | 1.2 | 0 | 0 | 432.26 | 432.04 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 545,417.25 | 2.81 |
| J06027-J06025 | 8 | 80 | 0.009 | 1.5 | 0 | 0 | 428.77 | 428.08 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 857,170.78 | 4.42 |
| J07003-J07001 | 8 | 73 | 0.022 | 0 | 0 | 0 | 410.33 | 408.76 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,353,555.92 | 6.98 |
| J07021-J07019 | 8 | 59 | 0.007 | 0 | 0 | 0 | 416.49 | 416.1 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 750,402.21 | 3.87 |
| J07033-J07029 | 8 | 41 | 0.002 | 1.5 | 0 | 0 | 414 | 413.9 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 455,822.63 | 2.35 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|-------------------------------------|-------------------------------------|----------------|-----------------------------|
| J07031-J06003 | 8 | 61 | 0.004 | 0 | 0 | 0 | 418.51 | 418.28 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 566,743.84 | 2.92 |
| J06003-J06001 | 8 | 65 | 0.006 | 1.1 | 0 | 0 | 418.28 | 417.9 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 705,704.57 | 3.64 |
| J07023-J07019 | 8 | 211 | 0.007 | 0 | 0 | 0 | 417.53 | 416.1 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 759,826.78 | 3.92 |
| J07019-J07017 | 8 | 98 | 0.021 | 0 | 0 | 0 | 416.1 | 414 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,351,090.43 | 6.97 |
| J07017-J07015 | 8 | 42 | 0.026 | 1.5 | 0 | 0 | 414 | 412.92 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,480,045.41 | 7.63 |
| J07035-K07023 | 8 | 63 | 0.004 | 0 | 0 | 0 | 412.05 | 411.82 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 557,675.35 | 2.88 |
| K07023-K07019 | 8 | 48 | 0.008 | 1.4 | 0 | 0 | 411.82 | 411.45 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 810,341.44 | 4.18 |
| K07017-K07015 | 8 | 48 | 0.011 | 0.9 | 0 | 0 | 410.84 | 410.32 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 960,658.13 | 4.95 |
| J07005-J07001 | 8 | 75 | 0.02 | 0 | 0 | 0 | 410.29 | 408.76 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,318,265.51 | 6.80 |
| J07001-K07009 | 8 | 148 | 0.004 | 0 | 0 | 0 | 408.76 | 408.21 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 562,649.96 | 2.90 |
| K07009-K07007 | 8 | 48 | 0.067 | 1.5 | 0 | 0 | 408.21 | 404.98 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,394,244.23 | 12.35 |
| K07013-K07011 | 8 | 59 | 0.007 | 1.5 | 0 | 0 | 405.94 | 405.54 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 759,961.86 | 3.92 |
| K07005-K07003 | 8 | 47 | 0.008 | 1.3 | 0 | 0 | 404.33 | 403.97 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 807,774.48 | 4.17 |
| J08075-J07037 | 8 | 66 | 0.035 | 0 | 0 | 0 | 407.7 | 405.42 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,715,470.53 | 8.85 |
| J07041-J07039 | 8 | 180 | 0.006 | 0 | 0 | 0 | 409.52 | 408.41 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 724,791.42 | 3.74 |
| J07039-J07037 | 8 | 180 | 0.017 | 0 | 0 | 0 | 408.41 | 405.42 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,189,562.18 | 6.14 |
| J07037-K07025 | 8 | 98 | 0.021 | 0 | 0 | 0 | 405.42 | 403.34 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,344,641.27 | 6.93 |
| K07025-K07001 | 8 | 48 | 0.024 | 0.9 | 0 | 0 | 403.34 | 402.17 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,440,987.19 | 7.43 |
| K08013-K08009 | 8 | 47 | 0.05 | 1.5 | 0 | 0 | 396.64 | 394.3 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,059,428.92 | 10.62 |
| K08011-K08009 | 8 | 58 | 0.007 | 1.5 | 0 | 0 | 394.7 | 394.3 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 766,485.26 | 3.95 |
| J08069-J08067 | 8 | 131 | 0.027 | 0 | 0 | 0 | 404.14 | 400.61 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,515,093.77 | 7.81 |
| J08067-K08007 | 8 | 99 | 0.048 | 0 | 0 | 0 | 400.61 | 395.82 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,030,195.99 | 10.47 |
| K08007-K08005 | 8 | 46 | 0.049 | 1.2 | 0 | 0 | 395.82 | 393.58 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,036,727.37 | 10.50 |
| J09033-J09031 | 8 | 201 | 0.006 | 0 | 0 | 0 | 389.68 | 388.54 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 695,091.86 | 3.58 |
| J09031-J09029 | 8 | 218 | 0.006 | 0 | 0 | 0 | 388.54 | 387.3 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 696,098.03 | 3.59 |
| J09029-J09027 | 8 | 218 | 0.006 | 0 | 0 | 0 | 387.3 | 386.05 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 698,899.24 | 3.60 |
| J09027-J09025 | 8 | 112 | 0.005 | 0 | 0 | 0 | 386.05 | 385.46 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 669,892.02 | 3.45 |
| J09025-J09023 | 8 | 86 | 0.008 | 0 | 0 | 0 | 385.46 | 384.74 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 844,510.06 | 4.36 |
| J09043-J09041 | 8 | 300 | 0.003 | 0 | 0 | 0 | 389.9 | 388.85 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 546,036.70 | 2.82 |
| J09041-J09039 | 8 | 314 | 0.004 | 0 | 0 | 0 | 388.85 | 387.64 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 572,948.61 | 2.95 |
| J09039-J09037 | 8 | 262 | 0.004 | 0 | 0 | 0 | 387.64 | 386.67 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 561,594.74 | 2.90 |
| J09037-J09035 | 8 | 275 | 0.003 | 0 | 0 | 0 | 386.67 | 385.71 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 545,327.10 | 2.81 |
| J09035-J09023 | 8 | 291 | 0.003 | 0 | 0 | 0 | 385.71 | 384.74 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 532,877.25 | 2.75 |
| J09023-J09021 | 8 | 348 | 0.004 | 0 | 0 | 0 | 384.74 | 383.33 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,499.82 | 3.03 |
| J09021-J09019 | 8 | 172 | 0.004 | 0 | 0 | 0 | 383.33 | 382.69 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 563,006.71 | 2.90 |
| J09019-J09003 | 8 | 195 | 0.003 | 17.8 | 0 | 0 | 382.69 | 382.06 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 524,615.09 | 2.71 |
| K12003-K12001 | 8 | 326 | 0.009 | 21.4 | 0 | 0 | 364 | 361 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 885,400.24 | 4.57 |
| G13041-G13039 | 8 | 239 | 0.013 | 10.4 | 0 | 0 | 396 | 393 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,034,068.92 | 5.33 |
| F12039-F12037 | 8 | 190 | 0.021 | 1.6 | 0 | 0 | 393 | 389 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,339,186.31 | 6.91 |
| F10087-F10083 | 8 | 271 | 0.004 | 2.6 | 0 | 0 | 413 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 560,664.63 | 2.89 |
| E10041-E10039 | 8 | 228 | 0.009 | 0 | 0 | 0 | 415 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 864,441.05 | 4.46 |
| E10043-E10039 | 8 | 128 | 0.023 | 0 | 0 | 0 | 416 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,413,004.19 | 7.29 |
| E10039-E10037 | 8 | 358 | 0.006 | 12.1 | 0 | 0 | 413 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 689,860.52 | 3.56 |
| F10063-F10055 | 6 | 315 | 0.003 | 6.8 | 0 | 0 | 405 | 404 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 241,469.66 | 1.87 |
| E10085-E10083 | 8 | 77 | 0.013 | 0 | 0 | 0 | 417 | 416 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,051,822.47 | 5.42 |
| E10083-E10081 | 8 | 363 | 0.003 | 7 | 0 | 0 | 416 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 484,433.86 | 2.50 |
| E10033-E10031 | 8 | 274 | 0.007 | 0 | 0 | 0 | 416 | 414 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 788,546.89 | 4.07 |
| E10031-E10029 | 8 | 356 | 0.006 | 0 | 0 | 0 | 414 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 691,795.62 | 3.57 |
| F10095-F10093 | 8 | 130 | 0.008 | 0 | 0 | 0 | 414 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 809,498.65 | 4.17 |
| E10029-F10089 | 8 | 331 | 0.006 | 9.8 | 0 | 0 | 412 | 410 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 717,445.32 | 3.70 |
| F10093-F10091 | 8 | 246 | 0.008 | 10 | 0 | 0 | 413 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 832,214.45 | 4.29 |
| G11043-G11041 | 8 | 159 | 0.006 | 0 | 0 | 0 | 387 | 386 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 731,963.20 | 3.78 |
| G11041-G11039 | 8 | 119 | 0.008 | 1 | 0 | 0 | 386 | 385 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 846,085.64 | 4.36 |
| F11055-F11053 | 8 | 232 | 0.013 | 6 | 0 | 0 | 397 | 394 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,049,553.16 | 5.41 |
| K12075-K12073 | 6 | 248 | 0.008 | 100 | 0 | 0 | 363 | 361 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 384,863.74 | 2.98 |
| K12073-K12071 | 6 | 250 | 0.008 | 100 | 0 | 0 | 361 | 359 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 383,321.20 | 2.97 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|--------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|-----------------|-----------------------------|
| K12071-K12017 | 6 | 263 | 0.008 | 100 | 0 | 0 | 359 | 357 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 373,727.42 | 2.89 |
| J08023-J08051 | 8 | 184 | 0.013 | 1.1 | 0 | 0 | 404 | 401.61 | | 0.3 | 890,076.18 | 4.59 |
| E09087-E09085 | 8 | 44 | 0 | 66.4 | 1,684.52 | 0 | 431 | 431 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 0 | 0.00 |
| H14019-H15001 | 8 | 237 | 0.004 | 100 | 2,735.15 | 0.01 | 413 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 599,533.75 | 3.09 |
| F02057-F02039 | 8 | 9 | -0.04 | 80.6 | 7,286.39 | 0.01 | 524 | 524.36 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | -1,845,940.94 | -9.52 |
| G15053-G15051 | 8 | 162 | 0.025 | 100 | 4,026.53 | 0.01 | 415 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,450,308.18 | 7.48 |
| H15001-G15051 | 8 | 184 | 0.005 | 100 | 5,045.37 | 0.02 | 412 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 680,422.86 | 3.51 |
| G15051-G15037 | 8 | 245 | 0.004 | 100 | 9,430.08 | 0.03 | 411 | 410 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 589,664.20 | 3.04 |
| G15037-G15035 | 8 | 267 | -0.042 | 100 | 21,302.73 | 0.06 | 410 | 421.31 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | -1,899,605.77 | -9.80 |
| P-5583 | 12 | 0 | 0 | 58.3 | 106,211.43 | 0.06 | 359 | 359 | | 0.8 | 0 | 0.00 |
| J14115-J14087 | 8 | 26 | -0.038 | 100 | 44,422.75 | 0.08 | 333 | 334 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | -1,810,094.02 | -9.34 |
| J09005-J09003 | 15 | 45 | -0.001 | 63.8 | 343,383.96 | 0.09 | 382 | 382.06 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | -1,801,609.10 | -2.32 |
| F05043-F05041 | 10 | 173 | 0 | 60.6 | 101,422.73 | 0.11 | 505 | 505 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 0 | 0.00 |
| L14057-L14055 | 10 | 28 | -0.01 | 100 | 948,087.92 | 0.14 | 313 | 313.29 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | -1,703,077.82 | -5.27 |
| K08003-K08001 | 10 | 98 | 0.007 | 6.9 | 811.76 | 0.14 | 393.15 | 392.44 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,424,395.67 | 4.41 |
| K08009-K08005 | 8 | 264 | 0.003 | 3.1 | 815.69 | 0.14 | 394.3 | 393.58 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 482,005.61 | 2.49 |
| K12017-K12015 | 21 | 12 | -0.917 | 100 | 791,786.49 | 0.16 | 357 | 368 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | -115,870,179.76 | -74.70 |
| K07003-K07001 | 8 | 278 | 0.006 | 2.5 | 817.75 | 0.17 | 403.97 | 402.17 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 742,679.89 | 3.83 |
| K07007-K07003 | 8 | 289 | 0.003 | 2.9 | 819.1 | 0.17 | 404.98 | 403.97 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 545,631.67 | 2.81 |
| K07011-K07007 | 8 | 165 | 0.003 | 2.9 | 822.95 | 0.17 | 405.54 | 404.98 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 537,699.77 | 2.77 |
| K08005-K08003 | 8 | 61 | 0.007 | 2.4 | 812.56 | 0.17 | 393.58 | 393.15 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 774,920.44 | 4.00 |
| H06027-H06025 | 8 | 426 | 0.002 | 2.6 | 183.19 | 0.19 | 447.54 | 446.6 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 433,557.73 | 2.24 |
| K07019-K07015 | 8 | 278 | 0.004 | 2.8 | 828.89 | 0.2 | 411.45 | 410.32 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 588,443.31 | 3.03 |
| K07021-K07019 | 8 | 209 | 0.004 | 2.9 | 831.39 | 0.2 | 412.19 | 411.45 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 549,199.99 | 2.83 |
| G12021-G12019 | 8 | 18 | -0.001 | 64.8 | 105,049.91 | 0.2 | 380.4 | 380.41 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | -217,546.23 | -1.12 |
| J10009-J10007 | 15 | 36 | -0.028 | 100 | 446,909.05 | 0.21 | 380 | 381 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | -8,223,182.88 | -10.60 |
| J07029-J07015 | 8 | 278 | 0.004 | 2.9 | 833.16 | 0.21 | 413.9 | 412.92 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 547,997.34 | 2.83 |
| J07015-K07021 | 8 | 209 | 0.003 | 2.9 | 832.94 | 0.21 | 412.92 | 412.19 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 545,476.56 | 2.81 |
| J06005-J06001 | 8 | 278 | 0.004 | 2.9 | 845.31 | 0.23 | 418.88 | 417.9 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 547,997.34 | 2.83 |
| F12025-F12023 | 8 | 233 | 0.003 | 1.7 | 259 | 0.23 | 393.71 | 393 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 509,493.94 | 2.63 |
| E03147-E03145 | 8 | 241 | 0.002 | 2.9 | 624.23 | 0.23 | 559.5 | 559 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 420,401.53 | 2.17 |
| L13125-L13123 | 10 | 319 | 0.002 | 100 | 373,017.42 | 0.24 | 327.5 | 327 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 662,527.90 | 2.05 |
| D08067-D08059 | 8 | 209 | 0.005 | 6.5 | 110.37 | 0.24 | 491 | 490 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 638,432.03 | 3.29 |
| C02135-C02061 | 8 | 145 | 0.003 | 2.3 | 363.2 | 0.24 | 635 | 634.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 534,662.44 | 2.76 |
| J07083-J07081 | 10 | 295 | 0.004 | 1.6 | 454.98 | 0.24 | 412.38 | 411.2 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,058,387.02 | 3.28 |
| C07031-C07029 | 8 | 236 | 0.002 | 2.5 | 331.11 | 0.25 | 516 | 515.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 424,831.59 | 2.19 |
| H11007-H12075 | 8 | 317 | 0.005 | 3.8 | 245.03 | 0.25 | 369 | 367.54 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 626,375.27 | 3.23 |
| E14017-E14015 | 15 | 312 | 0.003 | 1.6 | 397.56 | 0.25 | 452 | 451 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,793,276.34 | 3.60 |
| J07085-J07083 | 10 | 123 | 0.004 | 1.6 | 455.63 | 0.25 | 412.87 | 412.38 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,056,233.63 | 3.27 |
| F12061-F12043 | 8 | 310 | 0.003 | 2.5 | 261.46 | 0.26 | 393 | 392 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 524,212.00 | 2.70 |
| B01052-B01050 | 8 | 0 | 0.004 | 1.9 | 361.37 | 0.26 | 683.15 | 682.12 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 608,460.30 | 3.14 |
| F09061-F09059 | 8 | 158 | 0.006 | 1.3 | 110.37 | 0.26 | 419 | 418 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 734,275.88 | 3.79 |
| E11149-E11107 | 8 | 283 | 0.001 | 62.7 | 1,192.69 | 0.26 | 412 | 411.67 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 315,174.85 | 1.63 |
| J07087-J07085 | 8 | 108 | 0.004 | 2.2 | 456.8 | 0.26 | 413.31 | 412.87 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 589,117.97 | 3.04 |
| E03195-E03193 | 8 | 284 | 0.002 | 3.1 | 655.37 | 0.26 | 564 | 563.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 387,269.81 | 2.00 |
| J06009-J06007 | 8 | 301 | 0.003 | 3 | 856.36 | 0.26 | 422.63 | 421.58 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 545,128.90 | 2.81 |
| E03191-E03189 | 8 | 198 | 0.003 | 2.9 | 636.56 | 0.26 | 563 | 562.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 463,810.11 | 2.39 |
| G04025-G04023 | 8 | 197 | 0.005 | 2.6 | 454.98 | 0.26 | 487 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 657,589.23 | 3.39 |
| C02137-C02135 | 8 | 282 | 0.003 | 2 | 364.93 | 0.26 | 635.98 | 635 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 542,177.73 | 2.80 |
| F12023-F12011 | 8 | 157 | 0.006 | 11.2 | 254.4 | 0.27 | 393 | 392 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 736,610.63 | 3.80 |
| K07001-K08009 | 8 | 278 | 0.028 | 2.4 | 816.8 | 0.27 | 402.17 | 394.3 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,552,933.20 | 8.01 |
| K14095-K14093 | 8 | 249 | 0 | 13.4 | 5,996.31 | 0.27 | 321.52 | 321.45 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 154,752.31 | 0.80 |
| G13027-G13017 | 8 | 343 | 0.004 | 3.6 | 270.12 | 0.27 | 398 | 396.77 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 552,704.88 | 2.85 |
| H14033-H14031 | 8 | 275 | 0.004 | 1.6 | 261.63 | 0.27 | 396.49 | 395.33 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 599,446.54 | 3.09 |
| C02112-C02110 | 8 | 300 | 0.005 | 4.7 | 363.28 | 0.27 | 639.09 | 637.59 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 638,941.75 | 3.30 |
| F04085-F04083 | 8 | 200 | 0.001 | 5.7 | 1,594.37 | 0.28 | 523.72 | 523.54 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 276,891.14 | 1.43 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| J11065-J12057 | 8 | 144 | 0.006 | 2.3 | 245.03 | 0.28 | 365.65 | 364.75 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 729,672.23 | 3.76 |
| B02020-B01054 | 8 | 232 | 0.004 | 1.9 | 364.93 | 0.28 | 688.63 | 687.72 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 579,298.65 | 2.99 |
| G09173-G09171 | 8 | 402 | 0.007 | 1.4 | 169.78 | 0.28 | 427 | 424 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 797,325.05 | 4.11 |
| C07021-C07019 | 8 | 206 | 0.005 | 1.6 | 220.74 | 0.28 | 506 | 505 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 643,064.00 | 3.32 |
| F12027-F12025 | 8 | 85 | 0.005 | 1.6 | 260.69 | 0.28 | 394.14 | 393.71 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 656,466.51 | 3.39 |
| L13105-L13103 | 10 | 340 | 0.003 | 100 | 343,195.89 | 0.28 | 326 | 325 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 907,559.38 | 2.81 |
| L13123-L13105 | 10 | 340 | 0.003 | 100 | 356,581.88 | 0.28 | 327 | 326 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 907,559.38 | 2.81 |
| B01014-B01012 | 8 | 176 | 0.005 | 1.8 | 362.87 | 0.28 | 677.46 | 676.57 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 656,336.38 | 3.39 |
| G14113-H14033 | 8 | 181 | 0.004 | 1.6 | 264.96 | 0.28 | 397.23 | 396.49 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 590,152.67 | 3.04 |
| J07081-J07079 | 8 | 169 | 0.007 | 10.1 | 452.79 | 0.29 | 411.2 | 410.07 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 754,716.21 | 3.89 |
| C03017-C03015 | 12 | 212 | 0.005 | 1.1 | 364.93 | 0.29 | 670 | 669 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,868,945.20 | 3.61 |
| C07011-C07009 | 8 | 210 | 0.01 | 1 | 109.89 | 0.29 | 509 | 507 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 900,726.95 | 4.65 |
| D14123-D14121 | 8 | 239 | 0.004 | 2.6 | 397.56 | 0.29 | 474 | 473 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 597,019.97 | 3.08 |
| G05083-G05081 | 8 | 323 | 0.003 | 3.6 | 909.96 | 0.29 | 471 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 513,554.51 | 2.65 |
| C07019-C08003 | 8 | 228 | 0.004 | 8 | 329.98 | 0.29 | 505 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 611,252.13 | 3.15 |
| G14041-F14047 | 8 | 230 | 0.004 | 2.4 | 270.12 | 0.29 | 431 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 608,588.71 | 3.14 |
| D13015-D13013 | 8 | 190 | 0.001 | 6.4 | 2,065.03 | 0.29 | 426 | 425.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 299,451.16 | 1.54 |
| E09017-E09015 | 10 | 239 | 0.002 | 3.1 | 679 | 0.3 | 436.52 | 436 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 780,579.66 | 2.42 |
| C02114-C02112 | 8 | 300 | 0.005 | 1.9 | 364.93 | 0.3 | 640.48 | 639.09 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 626,169.25 | 3.23 |
| D07037-D07035 | 8 | 170 | 0.006 | 1.5 | 220.74 | 0.3 | 495 | 494 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 707,886.04 | 3.65 |
| J07091-J07089 | 8 | 288 | 0.003 | 2.2 | 465.39 | 0.3 | 415.54 | 414.54 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 543,865.57 | 2.80 |
| J07089-J07087 | 8 | 243 | 0.005 | 2.1 | 464.98 | 0.3 | 414.54 | 413.31 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 656,654.96 | 3.39 |
| F15041-F15039 | 8 | 61 | 0.002 | 4.3 | 533.88 | 0.3 | 441.99 | 441.85 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 442,167.59 | 2.28 |
| B02013-B02009 | 8 | 0 | 0.003 | 3 | 719.35 | 0.3 | 690.17 | 689.61 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 532,877.25 | 2.75 |
| C07045-C07043 | 8 | 229 | 0.004 | 1.9 | 331.11 | 0.3 | 530 | 529 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 609,916.06 | 3.15 |
| C07029-C07027 | 8 | 215 | 0.002 | 3.6 | 659.97 | 0.3 | 515.5 | 515 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 445,095.89 | 2.30 |
| G04037-G04035 | 8 | 287 | 0.003 | 3.4 | 909.96 | 0.3 | 489 | 488 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 544,812.24 | 2.81 |
| K14077-K14075 | 8 | 327 | 0.003 | 2.6 | 523.41 | 0.31 | 333 | 332 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 510,403.84 | 2.63 |
| F15035-F15033 | 8 | 210 | 0.005 | 2 | 270.12 | 0.31 | 459 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 636,910.14 | 3.28 |
| C07049-C07047 | 8 | 220 | 0.005 | 2.3 | 331.11 | 0.31 | 523 | 522 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 622,266.57 | 3.21 |
| F07025-F07023 | 8 | 318 | 0.003 | 2.6 | 608.06 | 0.31 | 458 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 517,576.14 | 2.67 |
| E03157-E03155 | 8 | 297 | 0.003 | 2.6 | 645.76 | 0.31 | 562 | 561 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 535,561.79 | 2.76 |
| G04031-G04029 | 8 | 193 | 0.005 | 3.1 | 682.47 | 0.31 | 485 | 484 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 664,368.68 | 3.43 |
| F13087-F13085 | 8 | 163 | 0.007 | 3.4 | 392.87 | 0.31 | 424 | 422.86 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 771,874.03 | 3.98 |
| B01082-B01080 | 8 | 0 | 0.003 | 2.8 | 727.02 | 0.31 | 691.05 | 690.73 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 522,110.94 | 2.69 |
| J07093-J07091 | 8 | 246 | 0.003 | 2.3 | 505.99 | 0.31 | 416.39 | 415.54 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 542,537.44 | 2.80 |
| J06025-J06017 | 8 | 241 | 0.004 | 2.9 | 862.11 | 0.31 | 428.08 | 427.17 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 567,152.67 | 2.93 |
| E17061-E17059 | 8 | 195 | 0.005 | 4.9 | 397.56 | 0.31 | 525 | 524 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 660,952.88 | 3.41 |
| B01080-B02013 | 8 | 0 | 0.003 | 2.8 | 724.46 | 0.31 | 690.73 | 690.17 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 540,988.48 | 2.79 |
| G09169-G09165 | 8 | 261 | 0.004 | 2.9 | 598.19 | 0.32 | 419 | 418 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 571,304.38 | 2.95 |
| D09106-D08043 | 8 | 255 | 0.001 | 9.1 | 1,493.05 | 0.32 | 463.31 | 463 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 321,809.28 | 1.66 |
| D07055-D07053 | 8 | 279 | 0.007 | 1.9 | 220.74 | 0.32 | 516 | 514 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 781,449.11 | 4.03 |
| E13049-E13047 | 8 | 305 | 0.003 | 5.2 | 788.18 | 0.32 | 420 | 419 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 528,491.35 | 2.73 |
| G05055-G05053 | 8 | 353 | 0.006 | 2.9 | 682.47 | 0.32 | 485 | 483 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 694,729.04 | 3.58 |
| J08127-J08125 | 8 | 343 | 0.003 | 8.1 | 1,445.48 | 0.32 | 407.95 | 406.75 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 545,922.97 | 2.82 |
| H04039-H04037 | 8 | 289 | 0.003 | 3.8 | 1,137.45 | 0.32 | 475 | 474 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 542,923.81 | 2.80 |
| G12077-G12073 | 8 | 329 | 0.003 | 4.8 | 540.24 | 0.32 | 387 | 386 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 508,850.09 | 2.62 |
| J11069-J11067 | 8 | 405 | 0.002 | 3.9 | 980.1 | 0.32 | 366 | 365 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 458,627.71 | 2.37 |
| E02109-E02107 | 8 | 283 | 0.003 | 3.3 | 706.27 | 0.32 | 561.38 | 560.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 511,971.90 | 2.64 |
| F12035-F12033 | 8 | 174 | 0.006 | 1.6 | 270.12 | 0.33 | 394 | 393 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 699,702.11 | 3.61 |
| F12033-F12009 | 8 | 290 | 0.007 | 11.6 | 261.88 | 0.33 | 393 | 391 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 766,485.26 | 3.95 |
| D07033-D07031 | 8 | 368 | 0.005 | 2 | 331.11 | 0.33 | 502 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 680,422.86 | 3.51 |
| F15033-F15031 | 8 | 300 | 0.003 | 2.4 | 522.78 | 0.33 | 458 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 532,877.25 | 2.75 |
| G05061-G05059 | 8 | 249 | 0.004 | 3.3 | 1,120.78 | 0.33 | 473 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 584,908.77 | 3.02 |
| J07143-J08127 | 8 | 199 | 0.004 | 3.8 | 1,449.54 | 0.33 | 408.65 | 407.95 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 547,406.93 | 2.82 |
| F14043-F14041 | 8 | 301 | 0.003 | 3 | 540.24 | 0.33 | 443 | 442 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 531,991.34 | 2.74 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| J06007-J06005 | 8 | 301 | 0.009 | 2.6 | 850.73 | 0.33 | 421.58 | 418.88 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 874,150.97 | 4.51 |
| F02011-F03149 | 8 | 213 | 0.005 | 3.5 | 398.59 | 0.33 | 533.28 | 532.12 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 681,125.28 | 3.51 |
| B01084-B01082 | 8 | 153 | 0.004 | 2.8 | 729.22 | 0.33 | 691.59 | 691.05 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 548,326.17 | 2.83 |
| H05075-H05073 | 8 | 227 | 0.009 | 2 | 183.19 | 0.34 | 457 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 866,343.01 | 4.47 |
| F12031-F12029 | 8 | 163 | 0.006 | 1.6 | 270.12 | 0.34 | 397 | 396 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 722,926.27 | 3.73 |
| E02107-E02105 | 8 | 256 | 0.002 | 3.7 | 1,131.73 | 0.34 | 560.5 | 559.9 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 443,380.67 | 2.29 |
| H11005-H11001 | 8 | 169 | 0.004 | 3.7 | 735.08 | 0.34 | 369 | 368.39 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 554,509.99 | 2.86 |
| J06013-J06011 | 8 | 34 | 0.006 | 2.6 | 858.59 | 0.34 | 425.27 | 425.05 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 742,437.14 | 3.83 |
| F12047-F12045 | 8 | 301 | 0.003 | 2.9 | 781.39 | 0.34 | 394 | 393 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 531,991.34 | 2.74 |
| L13127-L13125 | 10 | 106 | 0.005 | 100 | 376,708.63 | 0.34 | 328 | 327.5 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,149,334.86 | 3.56 |
| C02035-C02033 | 8 | 147 | 0.007 | 1.7 | 364.93 | 0.34 | 654 | 653 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 761,253.22 | 3.93 |
| G05087-G05085 | 8 | 289 | 0.007 | 2.8 | 682.47 | 0.34 | 475 | 473 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 767,810.21 | 3.96 |
| J07145-J07143 | 8 | 315 | 0.003 | 3.8 | 1,453.26 | 0.34 | 409.75 | 408.65 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 545,417.25 | 2.81 |
| E03193-E03191 | 8 | 86 | 0.006 | 2.5 | 639.86 | 0.34 | 563.5 | 563 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 703,758.39 | 3.63 |
| G05031-G05029 | 8 | 279 | 0.007 | 3 | 682.47 | 0.34 | 482 | 480 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 781,449.11 | 4.03 |
| F07023-F07021 | 8 | 166 | 0.006 | 8.1 | 586.64 | 0.34 | 457 | 456 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 716,364.02 | 3.69 |
| F14005-G14033 | 8 | 294 | 0.003 | 2.5 | 540.24 | 0.35 | 435 | 434 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 538,287.31 | 2.78 |
| F15025-F15023 | 8 | 291 | 0.003 | 2.8 | 540.24 | 0.35 | 464 | 463 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 541,054.87 | 2.79 |
| G04073-G04071 | 8 | 341 | 0.006 | 4 | 909.96 | 0.35 | 478 | 476 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 706,847.32 | 3.65 |
| D19005-D19003 | 8 | 300 | 0.004 | 4.8 | 789.78 | 0.35 | 547.46 | 546.23 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 590,006.93 | 3.04 |
| C07013-C07011 | 8 | 213 | 0.014 | 0.8 | 110.37 | 0.35 | 512 | 509 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,095,364.43 | 5.65 |
| H04033-H04031 | 8 | 334 | 0.006 | 4 | 909.96 | 0.35 | 473 | 471 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 714,215.99 | 3.68 |
| G14115-G14113 | 8 | 59 | 0.007 | 1.6 | 270.12 | 0.35 | 397.64 | 397.23 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 769,402.74 | 3.97 |
| E13035-D13063 | 8 | 280 | 0.007 | 7.7 | 397.56 | 0.35 | 431 | 429 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 780,052.42 | 4.02 |
| G04079-G04077 | 8 | 332 | 0.006 | 3.6 | 909.96 | 0.35 | 480 | 478 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 716,364.02 | 3.69 |
| F12029-F12027 | 8 | 222 | 0.008 | 1.5 | 261.75 | 0.35 | 396 | 394.14 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 844,827.01 | 4.36 |
| E03145-E03143 | 8 | 297 | 0.01 | 3.6 | 610.26 | 0.35 | 559 | 556 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 927,620.23 | 4.78 |
| D13013-D13009 | 8 | 140 | 0.001 | 6.9 | 3,110.15 | 0.35 | 425.8 | 425.62 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 330,948.21 | 1.71 |
| H14031-H14027 | 8 | 34 | 0.009 | 5.6 | 257.53 | 0.35 | 395.33 | 395.01 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 895,412.88 | 4.62 |
| G05063-G05061 | 8 | 250 | 0.008 | 2.7 | 681.93 | 0.36 | 475 | 473 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 825,529.89 | 4.26 |
| E03155-E03151 | 8 | 145 | 0.007 | 2.4 | 632.44 | 0.36 | 561 | 560 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 766,485.26 | 3.95 |
| E12093-E12091 | 8 | 255 | 0.004 | 3.5 | 795.13 | 0.36 | 416 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 577,986.53 | 2.98 |
| D13055-D13053 | 8 | 253 | 0.004 | 3.1 | 860.52 | 0.36 | 425 | 424 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 580,266.56 | 2.99 |
| F12049-F12047 | 8 | 292 | 0.01 | 2.1 | 261.73 | 0.36 | 396.8 | 394 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 903,806.37 | 4.66 |
| B02026-B01050 | 8 | 0 | 0.008 | 1.7 | 364.93 | 0.36 | 684.51 | 682.12 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 846,696.16 | 4.37 |
| D07045-D07043 | 8 | 278 | 0.011 | 1.7 | 220.74 | 0.36 | 504 | 501 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 958,795.61 | 4.94 |
| G12079-G12071 | 8 | 250 | 0.004 | 9.9 | 540.24 | 0.36 | 386 | 385 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 583,737.78 | 3.01 |
| F14035-F14033 | 8 | 284 | 0.004 | 2.5 | 540.24 | 0.36 | 438.98 | 437.84 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 584,764.59 | 3.02 |
| G10067-G10061 | 8 | 320 | 0.001 | 9.4 | 2,676.84 | 0.36 | 396.25 | 395.86 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 322,214.53 | 1.66 |
| F09005-F09003 | 8 | 106 | 0.001 | 7.2 | 3,080.11 | 0.36 | 421.8 | 421.69 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 297,324.86 | 1.53 |
| G12105-G12103 | 8 | 138 | 0.004 | 2.5 | 540.24 | 0.36 | 377.06 | 376.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,952.55 | 3.03 |
| F06153-F06151 | 8 | 202 | 0.005 | 5.2 | 608.06 | 0.36 | 493 | 492 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 649,399.76 | 3.35 |
| G10073-G10071 | 8 | 231 | 0.004 | 2.8 | 537.43 | 0.37 | 401 | 400 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 607,269.99 | 3.13 |
| F09077-F09075 | 8 | 89 | 0.011 | 1.5 | 220.74 | 0.37 | 419 | 418 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 978,346.74 | 5.05 |
| H12049-H12047 | 8 | 159 | 0.001 | 5.7 | 1,890.85 | 0.37 | 366.22 | 366 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 343,321.17 | 1.77 |
| G05077-G05069 | 8 | 111 | 0.009 | 3.6 | 682.47 | 0.37 | 471 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 876,044.80 | 4.52 |
| B02009-B02007 | 8 | 294 | 0.004 | 3.2 | 1,077.35 | 0.37 | 689.61 | 688.38 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 594,969.23 | 3.07 |
| D07006-D07005 | 8 | 194 | 0.01 | 4.7 | 180.56 | 0.37 | 490 | 488 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 937,134.53 | 4.83 |
| J06001-J07029 | 8 | 276 | 0.014 | 2.5 | 837.5 | 0.37 | 417.9 | 413.9 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,111,125.88 | 5.73 |
| J07147-J07145 | 8 | 229 | 0.003 | 3.8 | 1,456.62 | 0.37 | 410.55 | 409.75 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 545,525.50 | 2.81 |
| D01021-D01019 | 8 | 248 | 0.004 | 3.4 | 842.24 | 0.37 | 609 | 608 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 586,086.84 | 3.02 |
| E02085-E02082 | 8 | 145 | 0.004 | 5 | 797.19 | 0.37 | 564.03 | 563.51 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 552,720.38 | 2.85 |
| H13011-H13009 | 8 | 195 | 0.002 | 3.9 | 1,080.49 | 0.37 | 371 | 370.52 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 457,921.59 | 2.36 |
| H05039-H05037 | 8 | 322 | 0.003 | 5.1 | 2,252.10 | 0.37 | 467 | 466 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 514,351.33 | 2.65 |
| G09087-G09083 | 8 | 216 | 0.005 | 2.2 | 537.43 | 0.37 | 406 | 405 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 628,001.86 | 3.24 |
| C07047-C07035 | 8 | 246 | 0.004 | 3 | 771.01 | 0.38 | 522 | 521 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 588,464.48 | 3.03 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|--------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| D08111-D08109 | 15 | 390 | 0.003 | 4 | 1,895.26 | 0.38 | 468 | 467 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,498,382.31 | 3.22 |
| G05037-G05035 | 8 | 279 | 0.007 | 3 | 909.96 | 0.38 | 480 | 478 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 781,449.11 | 4.03 |
| C06071-C06067 | 8 | 59 | 0.017 | 1.2 | 110.37 | 0.38 | 576 | 575 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,201,605.21 | 6.20 |
| F09025-F09023 | 15 | 242 | 0.004 | 4 | 967.35 | 0.38 | 429 | 428 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,171,637.30 | 4.09 |
| C02106-C02105 | 8 | 0 | 0.007 | 2.8 | 1,055.27 | 0.38 | 672.18 | 671.45 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 769,581.44 | 3.97 |
| G05049-G05047 | 8 | 290 | 0.003 | 4.7 | 2,210.12 | 0.38 | 480 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 541,986.92 | 2.80 |
| D08081-D08075 | 8 | 238 | 0.013 | 2 | 220.74 | 0.38 | 492 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,036,239.05 | 5.34 |
| F12053-F12051 | 8 | 206 | 0.009 | 1.4 | 270.12 | 0.38 | 399 | 397.15 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 874,661.60 | 4.51 |
| F12045-F12043 | 8 | 194 | 0.005 | 3 | 766.15 | 0.38 | 393 | 392 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 662,654.18 | 3.42 |
| F09067-G09011 | 8 | 348 | 0.003 | 3.5 | 1,101.00 | 0.38 | 415 | 414 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 494,764.11 | 2.55 |
| F12051-F12049 | 8 | 31 | 0.011 | 1.3 | 261.9 | 0.38 | 397.15 | 396.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 980,710.86 | 5.06 |
| H11053-G11051 | 8 | 286 | 0.003 | 4.3 | 760.67 | 0.38 | 387 | 386 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 545,763.88 | 2.81 |
| K14049-K14037 | 8 | 181 | 0.006 | 6.7 | 523.41 | 0.38 | 327 | 326 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 686,038.55 | 3.54 |
| J06015-J06013 | 8 | 34 | 0.009 | 2.4 | 858.98 | 0.38 | 425.59 | 425.27 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 895,412.88 | 4.62 |
| G04071-G04069 | 8 | 349 | 0.003 | 5.7 | 2,700.25 | 0.38 | 476 | 475 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 494,054.77 | 2.55 |
| D15037-D15035 | 8 | 218 | 0.001 | 9.8 | 5,557.73 | 0.38 | 459.32 | 459.12 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 279,559.70 | 1.44 |
| E13125-E13123 | 8 | 210 | 0.005 | 3.2 | 795.13 | 0.38 | 415 | 414 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 636,910.14 | 3.28 |
| C07009-C07007 | 8 | 89 | 0.011 | 1.3 | 219.71 | 0.38 | 507 | 506 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 978,346.74 | 5.05 |
| J11137-J11135 | 8 | 333 | 0.003 | 4.8 | 1,407.41 | 0.38 | 373 | 372 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 505,784.70 | 2.61 |
| H04031-H04029 | 8 | 342 | 0.003 | 7.2 | 2,701.09 | 0.38 | 471 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 499,085.27 | 2.57 |
| H13047-H13019 | 8 | 248 | 0.002 | 10 | 1,307.13 | 0.39 | 372 | 371.44 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 438,587.23 | 2.26 |
| G03041-G03039 | 8 | 194 | 0.004 | 3.4 | 797.19 | 0.39 | 510.87 | 510 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 618,082.67 | 3.19 |
| K07015-K07011 | 8 | 161 | 0.03 | 2.3 | 824.57 | 0.39 | 410.32 | 405.54 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,590,335.73 | 8.20 |
| C06089-C06085 | 8 | 147 | 0.014 | 1.2 | 220.74 | 0.39 | 607 | 605 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,076,574.62 | 5.55 |
| J06029-J06025 | 8 | 274 | 0.007 | 2.7 | 862.88 | 0.39 | 430.05 | 428.08 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 782,610.44 | 4.04 |
| K13023-K13021 | 8 | 304 | 0.003 | 3.7 | 1,046.81 | 0.39 | 334 | 333 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 529,359.87 | 2.73 |
| E13039-E13037 | 8 | 210 | 0.005 | 3.7 | 829.68 | 0.39 | 428 | 427 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 636,910.14 | 3.28 |
| J07149-J07147 | 8 | 254 | 0.004 | 3.8 | 1,476.43 | 0.39 | 411.44 | 410.55 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 546,343.72 | 2.82 |
| H06047-H06045 | 8 | 217 | 0.005 | 3.3 | 732.77 | 0.39 | 452 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 626,553.18 | 3.23 |
| G04033-G05019 | 8 | 306 | 0.003 | 5.1 | 2,655.09 | 0.39 | 486 | 485 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 527,627.10 | 2.72 |
| F07011-F07009 | 8 | 170 | 0.006 | 3 | 608.06 | 0.39 | 456 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 707,886.04 | 3.65 |
| E14057-E14055 | 8 | 199 | 0.005 | 3.9 | 795.13 | 0.39 | 449 | 448 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 654,276.42 | 3.37 |
| F13005-F13003 | 8 | 201 | 0.01 | 1.9 | 270.12 | 0.39 | 401 | 399 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 920,671.66 | 4.75 |
| C02073-C02071 | 8 | 273 | 0.011 | 2 | 364.93 | 0.39 | 631 | 628 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 967,535.95 | 4.99 |
| E03151-E03147 | 4 | 78 | 0.006 | 5.5 | 627.05 | 0.39 | 560 | 559.5 | Vitrified Clay Pipe-Circular-4 inch | 0.1 | 116,380.13 | 1.80 |
| G12053-G12023 | 8 | 184 | 0.003 | 15 | 1,080.49 | 0.39 | 381.87 | 381.36 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 485,919.12 | 2.51 |
| E14103-E14099 | 8 | 197 | 0.005 | 4.8 | 795.13 | 0.39 | 438 | 437 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 657,589.23 | 3.39 |
| F07005-F07003 | 8 | 167 | 0.006 | 3.7 | 608.06 | 0.39 | 453 | 452 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 714,215.99 | 3.68 |
| E18101-E18099 | 8 | 97 | 0.01 | 1.9 | 397.56 | 0.39 | 540 | 539 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 937,134.53 | 4.83 |
| E02099-E02097 | 8 | 292 | 0.006 | 3 | 1,085.17 | 0.39 | 556.03 | 554.38 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 689,102.66 | 3.55 |
| G09137-G09135 | 8 | 400 | 0.005 | 3.8 | 848.88 | 0.39 | 425 | 423 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 652,638.68 | 3.37 |
| G14063-G14061 | 8 | 198 | 0.005 | 2.7 | 540.24 | 0.39 | 405 | 404 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,926.55 | 3.38 |
| J07161-J07153 | 8 | 203 | 0.002 | 4.4 | 1,627.90 | 0.39 | 416.66 | 416.18 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 448,807.81 | 2.31 |
| H13017-H13015 | 8 | 195 | 0.003 | 3.9 | 1,080.49 | 0.39 | 372 | 371.45 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 490,175.78 | 2.53 |
| G05073-G05071 | 8 | 295 | 0.003 | 5.5 | 2,472.43 | 0.4 | 472 | 471 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 537,374.18 | 2.77 |
| F02080-F02079 | 8 | 116 | 0.009 | 2.6 | 398.59 | 0.4 | 540.28 | 539.09 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 857,080.76 | 4.42 |
| H13037-H13035 | 8 | 208 | 0.001 | 6.1 | 2,379.78 | 0.4 | 373.2 | 372.9 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 350,523.20 | 1.81 |
| E11085-E11083 | 8 | 189 | 0.005 | 3.5 | 795.13 | 0.4 | 414 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 671,362.23 | 3.46 |
| J12031-J12029 | 42 | 99 | -0.005 | 79.4 | 16,680,790.93 | 0.4 | 356.95 | 357.4 | Vitrified Clay Pipe-Circular-42 inch | 9.6 | -51,808,530.71 | -8.35 |
| F09065-F09063 | 8 | 319 | 0.006 | 2.4 | 441.47 | 0.4 | 417 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 730,815.02 | 3.77 |
| F12041-F12037 | 8 | 310 | 0.003 | 3.9 | 1,517.66 | 0.4 | 390 | 389 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 524,212.00 | 2.70 |
| G09165-G09163 | 8 | 246 | 0.004 | 3.8 | 1,215.36 | 0.4 | 418 | 417 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 588,464.48 | 3.03 |
| G10071-G10069 | 8 | 302 | 0.003 | 3.3 | 1,073.52 | 0.4 | 400 | 399 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 531,109.83 | 2.74 |
| J11099-J11095 | 8 | 307 | 0.005 | 3 | 812.96 | 0.4 | 375.66 | 374 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 678,691.90 | 3.50 |
| F18047-F18033 | 12 | 70 | 0.014 | 7 | 397.56 | 0.4 | 547 | 546 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,252,486.32 | 6.29 |
| F05135-F05133 | 8 | 302 | 0.003 | 4.4 | 1,195.78 | 0.4 | 502 | 501 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 531,109.83 | 2.74 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| C06103-C06097 | 8 | 204 | 0.005 | 3.1 | 662.21 | 0.4 | 612 | 611 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 646,208.59 | 3.33 |
| F15029-F15027 | 8 | 291 | 0.003 | 4 | 1,298.54 | 0.4 | 454 | 453.12 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 507,554.46 | 2.62 |
| E13113-E13111 | 8 | 183 | 0.005 | 4.2 | 795.13 | 0.4 | 416 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 682,279.41 | 3.52 |
| C07007-D07027 | 8 | 346 | 0.012 | 2 | 329.68 | 0.4 | 506 | 502 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 992,384.00 | 5.12 |
| F03053-F03051 | 8 | 364 | 0.003 | 5.1 | 1,594.37 | 0.4 | 520 | 519 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 483,767.98 | 2.49 |
| F03079-F03077 | 8 | 298 | 0.003 | 4.2 | 1,195.78 | 0.4 | 513 | 512 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 534,662.44 | 2.76 |
| K14097-K14095 | 8 | 93 | 0.001 | 11.9 | 6,145.11 | 0.4 | 321.6 | 321.52 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 270,701.91 | 1.40 |
| D07035-D07013 | 8 | 91 | 0.011 | 4 | 330.23 | 0.41 | 494 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 967,535.95 | 4.99 |
| H12057-H12055 | 8 | 182 | 0.005 | 2.9 | 540.24 | 0.41 | 374 | 373 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 684,151.23 | 3.53 |
| F03039-F03037 | 8 | 358 | 0.003 | 5 | 1,594.37 | 0.41 | 526 | 525 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 487,805.05 | 2.52 |
| G04053-G04051 | 8 | 339 | 0.009 | 3 | 909.96 | 0.41 | 494 | 491 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 868,257.58 | 4.48 |
| G05153-G05151 | 8 | 105 | 0.01 | 2 | 398.59 | 0.41 | 488 | 487 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 900,726.95 | 4.65 |
| G05075-G05073 | 8 | 305 | 0.007 | 3.9 | 1,137.45 | 0.41 | 474 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 747,399.64 | 3.85 |
| H05033-H05031 | 8 | 335 | 0.009 | 3.3 | 909.96 | 0.41 | 469 | 466 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 873,425.83 | 4.50 |
| C07073-C07057 | 8 | 391 | 0.005 | 3.5 | 662.21 | 0.41 | 520 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 660,107.13 | 3.40 |
| F10047-F10045 | 8 | 299 | 0.007 | 2.5 | 441.47 | 0.41 | 416 | 414 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 754,861.39 | 3.89 |
| C07075-C07055 | 8 | 390 | 0.005 | 4.1 | 662.21 | 0.41 | 517 | 515 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 660,952.88 | 3.41 |
| J07151-J07149 | 8 | 324 | 0.003 | 3.8 | 1,482.30 | 0.41 | 412.57 | 411.44 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 545,072.82 | 2.81 |
| F06033-F06031 | 8 | 109 | 0.009 | 2.6 | 591.01 | 0.41 | 478 | 477 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 884,045.38 | 4.56 |
| F14121-F14119 | 8 | 251 | 0.004 | 3.7 | 1,192.69 | 0.41 | 448 | 447 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 582,573.80 | 3.00 |
| E02101-E02099 | 8 | 296 | 0.006 | 3 | 1,093.34 | 0.41 | 557.7 | 556.03 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 690,936.14 | 3.56 |
| F14137-F14135 | 8 | 248 | 0.012 | 1.6 | 397.56 | 0.41 | 431 | 428 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,015,132.18 | 5.24 |
| G14093-G14091 | 8 | 175 | 0.006 | 2.9 | 540.24 | 0.41 | 419 | 418 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 697,700.10 | 3.60 |
| E05125-E05123 | 8 | 196 | 0.005 | 5.9 | 797.19 | 0.41 | 531 | 530 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 659,264.62 | 3.40 |
| L13159-L13157 | 8 | 193 | 0.005 | 100 | 853.11 | 0.41 | 329 | 328 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 664,368.68 | 3.43 |
| C02126-C02124 | 8 | 300 | 0.018 | 1.8 | 355.87 | 0.41 | 655.5 | 650.2 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,226,775.56 | 6.33 |
| H13035-H13025 | 8 | 198 | 0.002 | 10.3 | 2,827.92 | 0.41 | 372.9 | 372.6 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 359,265.77 | 1.85 |
| E07107-E07105 | 8 | 250 | 0.004 | 4.2 | 1,216.12 | 0.41 | 486 | 485 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 583,737.78 | 3.01 |
| H13049-H13047 | 8 | 248 | 0.004 | 3.4 | 810.37 | 0.42 | 373 | 372 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 586,086.84 | 3.02 |
| F12059-F12057 | 8 | 171 | 0.006 | 2.2 | 540.24 | 0.42 | 398 | 397 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 705,813.16 | 3.64 |
| L13001-K13039 | 15 | 319 | 0.003 | 18.5 | 2,015.87 | 0.42 | 325 | 324 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,762,459.11 | 3.56 |
| G12103-G12101 | 8 | 351 | 0.004 | 2.7 | 787.26 | 0.42 | 376.5 | 375 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 603,364.67 | 3.11 |
| G04019-G04017 | 8 | 316 | 0.009 | 3.1 | 909.96 | 0.42 | 490 | 487 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 899,300.62 | 4.64 |
| G10053-G10051 | 8 | 201 | 0.002 | 9.7 | 1,612.30 | 0.42 | 402 | 401.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 460,335.83 | 2.37 |
| G12061-G12059 | 8 | 304 | 0.003 | 4.2 | 1,080.49 | 0.42 | 385 | 384 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 529,359.87 | 2.73 |
| F06035-F06033 | 8 | 354 | 0.008 | 2.1 | 608.06 | 0.42 | 481 | 478 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 849,663.19 | 4.38 |
| F02079-F02078 | 8 | 232 | 0.004 | 4.6 | 1,256.15 | 0.42 | 539.09 | 538.32 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 554,936.60 | 2.86 |
| D15001-E15011 | 8 | 297 | 0.003 | 5.2 | 1,597.19 | 0.42 | 466 | 465 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 535,561.79 | 2.76 |
| H11009-H12079 | 8 | 270 | 0.004 | 5 | 1,470.15 | 0.42 | 366 | 365 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 561,701.94 | 2.90 |
| F02159-F02158 | 8 | 300 | 0.009 | 18.1 | 509.03 | 0.42 | 541.62 | 540.18 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 859,636.82 | 4.43 |
| F05153-F05151 | 8 | 328 | 0.003 | 4.2 | 1,594.37 | 0.42 | 506 | 505 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 509,625.19 | 2.63 |
| E17023-E16091 | 8 | 235 | 0.004 | 4.5 | 1,192.69 | 0.42 | 506 | 505 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 602,079.55 | 3.11 |
| J06011-J06009 | 8 | 175 | 0.014 | 2.6 | 858.16 | 0.42 | 425.05 | 422.63 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,085,366.63 | 5.60 |
| C06105-C06057 | 8 | 210 | 0.005 | 5.5 | 1,320.19 | 0.42 | 538 | 537 | Concrete-Circular-8 inch | 0.3 | 538,923.96 | 2.78 |
| G05125-G05115 | 8 | 325 | 0.003 | 5.5 | 1,594.37 | 0.42 | 492 | 491 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 511,971.90 | 2.64 |
| G13133-G13131 | 8 | 327 | 0.006 | 3.9 | 540.24 | 0.42 | 384 | 382 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 721,820.03 | 3.72 |
| F10045-G10019 | 8 | 261 | 0.004 | 3.3 | 1,101.39 | 0.42 | 414 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 571,304.38 | 2.95 |
| D07027-D07017 | 8 | 357 | 0.006 | 3.6 | 769.18 | 0.42 | 502 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 690,826.04 | 3.56 |
| C03037-C03035 | 8 | 219 | 0.005 | 3.2 | 1,094.11 | 0.42 | 690 | 689 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 623,685.65 | 3.22 |
| G05025-G05023 | 8 | 279 | 0.007 | 3.3 | 1,137.45 | 0.42 | 484 | 482 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 781,449.11 | 4.03 |
| D13017-D13015 | 8 | 192 | 0.005 | 4.4 | 986.94 | 0.42 | 427 | 426 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 666,096.56 | 3.44 |
| G09083-G09077 | 8 | 349 | 0.009 | 6.7 | 536.2 | 0.42 | 405 | 402 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 855,727.96 | 4.41 |
| F04069-F04067 | 8 | 321 | 0.003 | 4.7 | 1,594.37 | 0.42 | 505 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 515,151.88 | 2.66 |
| F14135-F13087 | 8 | 252 | 0.016 | 1.6 | 394.77 | 0.42 | 428 | 424 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,162,833.49 | 6.00 |
| F15145-F15143 | 8 | 219 | 0.014 | 2.9 | 397.56 | 0.43 | 455 | 452 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,080,255.23 | 5.57 |
| J11075-J12071 | 8 | 316 | 0.003 | 4.9 | 1,960.20 | 0.43 | 367 | 366 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 519,211.46 | 2.68 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| C02053-C02051 | 8 | 151 | 0.007 | 3.7 | 729.87 | 0.43 | 643 | 642 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 751,102.72 | 3.87 |
| G13073-G13071 | 8 | 232 | 0.004 | 6.8 | 827.62 | 0.43 | 406 | 405 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 605,959.80 | 3.13 |
| G05079-G05067 | 8 | 324 | 0.003 | 6.6 | 4,005.50 | 0.43 | 468 | 467 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 512,761.37 | 2.64 |
| J06017-J06015 | 8 | 123 | 0.013 | 2.2 | 860.07 | 0.43 | 427.17 | 425.59 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,046,077.34 | 5.40 |
| G05071-G05069 | 8 | 308 | 0.003 | 6.1 | 3,772.90 | 0.43 | 471 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 525,911.24 | 2.71 |
| H11111-H11109 | 6 | 220 | 0.009 | 3.2 | 490.05 | 0.43 | 374 | 372 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 408,621.77 | 3.16 |
| F06025-F06001 | 8 | 221 | 0.005 | 5.8 | 1,717.48 | 0.43 | 470 | 469 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 620,857.13 | 3.20 |
| E02103-E02101 | 8 | 191 | 0.006 | 3 | 1,104.30 | 0.43 | 558.84 | 557.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 702,113.17 | 3.62 |
| G07021-G07019 | 8 | 228 | 0.004 | 4 | 1,216.12 | 0.43 | 471 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 611,252.13 | 3.15 |
| E12073-E12071 | 8 | 77 | 0.006 | 4.8 | 795.13 | 0.43 | 415 | 414.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 743,750.80 | 3.84 |
| E06129-E06127 | 8 | 271 | 0.002 | 7.1 | 3,626.07 | 0.43 | 496.5 | 496 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 396,449.76 | 2.04 |
| F13119-F13117 | 8 | 222 | 0.005 | 3.4 | 1,192.69 | 0.43 | 414 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 619,457.22 | 3.19 |
| H05029-H05027 | 8 | 320 | 0.003 | 9.4 | 4,011.82 | 0.43 | 464 | 463 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 515,956.18 | 2.66 |
| E13043-E13041 | 8 | 221 | 0.005 | 4.2 | 1,192.69 | 0.43 | 426 | 425 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 620,857.13 | 3.20 |
| J11095-J11093 | 8 | 213 | 0.005 | 5.6 | 1,333.14 | 0.43 | 374 | 373 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 632,408.95 | 3.26 |
| H06051-H06041 | 8 | 182 | 0.005 | 4 | 915.96 | 0.43 | 448 | 447 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 684,151.23 | 3.53 |
| G09171-G09169 | 8 | 395 | 0.013 | 2 | 476.12 | 0.43 | 424 | 419 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,038,422.91 | 5.36 |
| E15093-E14033 | 8 | 272 | 0.004 | 5.6 | 1,590.25 | 0.43 | 454 | 453 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 559,633.05 | 2.89 |
| F14041-F14037 | 8 | 298 | 0.003 | 3.7 | 1,307.20 | 0.43 | 442 | 441 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 534,662.44 | 2.76 |
| F15071-F15069 | 8 | 137 | 0.015 | 2.2 | 397.56 | 0.43 | 468 | 466 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,115,173.71 | 5.75 |
| G05053-G05051 | 8 | 298 | 0.007 | 3.3 | 1,566.09 | 0.44 | 483 | 481 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 756,126.87 | 3.90 |
| F03067-F03065 | 8 | 300 | 0.003 | 4.6 | 1,594.37 | 0.44 | 522 | 521 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 532,877.25 | 2.75 |
| D13057-D13055 | 8 | 253 | 0.012 | 2.3 | 466.21 | 0.44 | 428 | 425 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,005,051.17 | 5.18 |
| G13075-F13031 | 8 | 272 | 0.004 | 11.8 | 1,094.50 | 0.44 | 402 | 401 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 559,633.05 | 2.89 |
| D11069-D11067 | 8 | 110 | 0.009 | 2.5 | 659.12 | 0.44 | 433 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 880,017.82 | 4.54 |
| F03071-F03069 | 8 | 298 | 0.003 | 5.1 | 1,594.37 | 0.44 | 519 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 534,662.44 | 2.76 |
| F03075-F03073 | 8 | 298 | 0.003 | 4.6 | 1,594.37 | 0.44 | 516 | 515 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 534,662.44 | 2.76 |
| J06031-J06029 | 8 | 266 | 0.007 | 2.5 | 874.09 | 0.44 | 432.04 | 430.05 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 798,313.60 | 4.12 |
| G04115-G04113 | 8 | 492 | 0.002 | 6.6 | 2,783.22 | 0.44 | 497 | 496 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 416,107.22 | 2.15 |
| F04125-F04123 | 8 | 201 | 0.002 | 6.6 | 2,391.56 | 0.44 | 516.46 | 515.99 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 446,312.15 | 2.30 |
| D14127-D14125 | 8 | 260 | 0.004 | 3.9 | 1,589.55 | 0.44 | 474 | 473 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 572,401.99 | 2.95 |
| G05085-H05053 | 8 | 299 | 0.007 | 3.7 | 1,572.86 | 0.44 | 473 | 471 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 754,861.39 | 3.89 |
| C01020-C01019 | 8 | 293 | 0.003 | 6.3 | 3,499.97 | 0.44 | 640.71 | 639.68 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 543,535.85 | 2.80 |
| H09021-H09019 | 6 | 142 | 0.007 | 3.2 | 679.11 | 0.44 | 418 | 417 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 359,644.71 | 2.78 |
| E12017-E12015 | 8 | 304 | 0.003 | 9.5 | 1,987.82 | 0.44 | 416 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 529,359.87 | 2.73 |
| E03161-E03159 | 8 | 218 | 0.009 | 2.1 | 655.37 | 0.44 | 565 | 563 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 884,045.38 | 4.56 |
| E14091-E14089 | 8 | 300 | 0.003 | 10.5 | 1,987.82 | 0.44 | 435 | 434.01 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 530,206.17 | 2.73 |
| E08091-E08089 | 8 | 215 | 0.005 | 4.3 | 1,216.12 | 0.44 | 463 | 462 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 629,460.64 | 3.25 |
| D16083-D16081 | 8 | 55 | 0.001 | 12.2 | 8,909.92 | 0.44 | 481 | 480.95 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 278,286.07 | 1.44 |
| E04159-E04157 | 8 | 250 | 0.012 | 2.1 | 398.59 | 0.44 | 537 | 534 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,011,063.49 | 5.21 |
| F03059-F03057 | 8 | 356 | 0.003 | 4.8 | 1,992.96 | 0.44 | 518 | 517 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 489,173.37 | 2.52 |
| E11071-E11069 | 10 | 379 | 0.005 | 3.4 | 1,192.69 | 0.44 | 411 | 409 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,215,653.77 | 3.76 |
| H06019-H06017 | 8 | 344 | 0.006 | 3.3 | 915.96 | 0.44 | 447 | 445 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 703,758.39 | 3.63 |
| G05123-G05117 | 8 | 290 | 0.003 | 5.8 | 1,594.37 | 0.44 | 493 | 492 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 541,986.92 | 2.80 |
| E02082-E02080 | 8 | 301 | 0.002 | 7.2 | 3,927.79 | 0.44 | 563.51 | 563 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 380,550.47 | 1.96 |
| F03063-F03061 | 8 | 289 | 0.003 | 5.1 | 1,594.37 | 0.44 | 524 | 523 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 542,923.81 | 2.80 |
| E05071-E05069 | 8 | 129 | 0.008 | 2.7 | 655.37 | 0.44 | 526 | 525 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 812,630.19 | 4.19 |
| F15037-G15023 | 8 | 289 | 0.007 | 2.2 | 540.24 | 0.44 | 446 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 767,810.21 | 3.96 |
| C02132-C02130 | 8 | 274.8 | 0.017 | 1.4 | 364.58 | 0.44 | 672.64 | 667.91 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,208,269.57 | 6.23 |
| F07007-F07003 | 8 | 337 | 0.003 | 5.1 | 2,383.86 | 0.44 | 453 | 452 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 502,774.05 | 2.59 |
| F05157-F05155 | 8 | 163 | 0.012 | 2.1 | 398.59 | 0.44 | 505 | 503 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,022,372.13 | 5.27 |
| C02049-C02047 | 8 | 137 | 0.007 | 3.6 | 729.87 | 0.44 | 641 | 640 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 788,546.89 | 4.07 |
| J06035-J06031 | 8 | 247 | 0.007 | 2.5 | 879.84 | 0.44 | 433.82 | 432.04 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 783,518.64 | 4.04 |
| J05001-J06043 | 8 | 243 | 0.005 | 2.9 | 989.92 | 0.44 | 439.15 | 437.95 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 648,597.53 | 3.35 |
| E02073-E02072 | 8 | 80.2 | 0.006 | 3.6 | 797.19 | 0.45 | 562.2 | 561.69 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 732,369.73 | 3.78 |
| E11083-E11081 | 8 | 283 | 0.004 | 5.8 | 1,983.37 | 0.45 | 413 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 548,649.00 | 2.83 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| C03025-C03023 | 8 | 238 | 0.004 | 3.7 | 1,459.73 | 0.45 | 666 | 665 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 598,272.90 | 3.09 |
| E06143-F06099 | 8 | 355 | 0.003 | 6.6 | 2,432.24 | 0.45 | 490 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 489,861.86 | 2.53 |
| C02128-C02126 | 8 | 300 | 0.019 | 1.4 | 360.2 | 0.45 | 661.11 | 655.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,262,143.14 | 6.51 |
| H12047-H12041 | 8 | 178 | 0.002 | 13.3 | 2,877.21 | 0.45 | 366 | 365.68 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 391,338.70 | 2.02 |
| E03159-E03157 | 8 | 97 | 0.01 | 2.3 | 648.69 | 0.45 | 563 | 562 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 937,134.53 | 4.83 |
| H05041-H05039 | 8 | 334 | 0.012 | 3.5 | 909.96 | 0.45 | 471 | 467 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,010,053.95 | 5.21 |
| G08113-G08111 | 8 | 323 | 0.012 | 4.4 | 509.33 | 0.45 | 436 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,027,109.02 | 5.30 |
| F08071-F08069 | 8 | 232 | 0.004 | 4.4 | 1,074.87 | 0.45 | 443 | 442 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 605,959.80 | 3.13 |
| J11019-J11017 | 8 | 221 | 0.005 | 5 | 1,468.51 | 0.45 | 382 | 381 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 620,857.13 | 3.20 |
| F15053-F15051 | 8 | 285 | 0.004 | 3.7 | 1,350.61 | 0.45 | 451 | 450 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 546,720.52 | 2.82 |
| G11039-G11025 | 8 | 263 | 0.008 | 6.4 | 537.43 | 0.45 | 385 | 383 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 804,868.50 | 4.15 |
| J12061-J12059 | 8 | 481 | 0.002 | 12 | 4,585.54 | 0.45 | 362 | 361 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 420,838.31 | 2.17 |
| D07057-D07053 | 8 | 183 | 0.015 | 1.8 | 220.74 | 0.45 | 516.8 | 514 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,141,671.81 | 5.89 |
| F09129-F09127 | 8 | 230 | 0.004 | 3.6 | 1,074.87 | 0.45 | 434 | 433 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 608,588.71 | 3.14 |
| H05031-H05029 | 8 | 335 | 0.006 | 5.2 | 2,248.77 | 0.45 | 466 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 713,149.20 | 3.68 |
| G13003-G13001 | 8 | 336 | 0.003 | 4.5 | 1,620.73 | 0.45 | 389 | 388 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 503,521.67 | 2.60 |
| E14049-E14035 | 8 | 326 | 0.003 | 6.3 | 2,385.38 | 0.45 | 438 | 437 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 511,186.07 | 2.64 |
| K13033-K13031 | 8 | 276 | 0.002 | 6.8 | 2,617.04 | 0.45 | 338.2 | 337.52 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 458,128.94 | 2.36 |
| H11003-H11001 | 8 | 124 | 0.005 | 4 | 1,348.24 | 0.45 | 369 | 368.39 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 647,354.07 | 3.34 |
| D08095-D08093 | 8 | 376 | 0.008 | 2 | 525.91 | 0.46 | 479 | 476 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 824,431.38 | 4.25 |
| C07069-C07067 | 8 | 189 | 0.011 | 1.9 | 441.47 | 0.46 | 530 | 528 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 949,449.57 | 4.90 |
| H11001-H12075 | 8 | 239 | 0.004 | 5.3 | 2,319.73 | 0.46 | 368.39 | 367.54 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 550,425.21 | 2.84 |
| E12023-E12013 | 12 | 229 | 0.009 | 4.1 | 795.13 | 0.46 | 416 | 414 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,543,090.14 | 4.92 |
| K14073-K14071 | 8 | 313 | 0.003 | 9.3 | 1,969.77 | 0.46 | 330 | 329 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 521,693.76 | 2.69 |
| G05081-G05079 | 8 | 320 | 0.006 | 5.2 | 2,239.52 | 0.46 | 470 | 468 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 729,672.23 | 3.76 |
| J06039-J06035 | 8 | 247 | 0.007 | 2.5 | 882.53 | 0.46 | 435.58 | 433.82 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 779,104.41 | 4.02 |
| G04017-G04015 | 8 | 322 | 0.006 | 4.3 | 2,023.30 | 0.46 | 487 | 485 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 727,402.63 | 3.75 |
| C06075-C06073 | 8 | 354 | 0.003 | 5.4 | 2,199.72 | 0.46 | 554 | 553 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 490,553.27 | 2.53 |
| E03141-E03139 | 8 | 270 | 0.004 | 5.4 | 1,966.11 | 0.46 | 569 | 568 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 561,701.94 | 2.90 |
| F08081-F08079 | 8 | 221 | 0.005 | 4.4 | 1,074.87 | 0.46 | 439 | 438 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 620,857.13 | 3.20 |
| G04039-H04011 | 8 | 302 | 0.01 | 3.4 | 1,351.58 | 0.46 | 479 | 476 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 919,909.20 | 4.74 |
| E12113-E12111 | 8 | 461 | 0.002 | 6.5 | 3,578.07 | 0.46 | 411 | 410 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 429,870.20 | 2.22 |
| E11159-E11157 | 8 | 131 | 0.008 | 2.5 | 816.89 | 0.46 | 407 | 406 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 806,403.05 | 4.16 |
| F15011-F15009 | 8 | 329 | 0.006 | 2.9 | 810.37 | 0.46 | 457 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 719,622.70 | 3.71 |
| G14097-G14095 | 8 | 281 | 0.001 | 9.8 | 5,790.29 | 0.46 | 397.06 | 396.78 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 291,349.09 | 1.50 |
| F12057-F12047 | 8 | 301 | 0.01 | 2.4 | 523.13 | 0.46 | 397 | 394 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 921,436.02 | 4.75 |
| H09019-G09155 | 8 | 246 | 0.008 | 2.8 | 800.74 | 0.46 | 417 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 832,214.45 | 4.29 |
| D03131-D03129 | 8 | 266 | 0.004 | 4.6 | 1,966.11 | 0.46 | 585 | 584 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 565,909.51 | 2.92 |
| D11083-D11081 | 8 | 266 | 0.004 | 5.5 | 2,011.31 | 0.46 | 448 | 447 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 565,909.51 | 2.92 |
| J11073-J12067 | 8 | 160 | 0.006 | 4.1 | 1,225.13 | 0.46 | 370 | 369 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 729,672.23 | 3.76 |
| F07077-F07075 | 8 | 253 | 0.004 | 5.1 | 1,824.18 | 0.46 | 471 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 580,266.56 | 2.99 |
| J06091-J06089 | 8 | 47 | 0.007 | 8.1 | 808.4 | 0.46 | 430.66 | 430.33 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 773,385.18 | 3.99 |
| E12091-E12085 | 8 | 253 | 0.004 | 8.8 | 1,981.11 | 0.46 | 415 | 414 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 580,266.56 | 2.99 |
| J12057-J12055 | 8 | 430 | 0.006 | 4 | 1,223.69 | 0.46 | 364.75 | 362 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 738,108.02 | 3.81 |
| F07141-F07139 | 8 | 385 | 0.003 | 5.8 | 3,040.30 | 0.46 | 468 | 467 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 470,389.31 | 2.43 |
| F14047-F14045 | 8 | 217 | 0.005 | 3.6 | 1,056.39 | 0.46 | 430 | 429 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 626,553.18 | 3.23 |
| G04075-G04069 | 8 | 252 | 0.004 | 5.9 | 3,773.75 | 0.46 | 476 | 475 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 581,416.75 | 3.00 |
| C02086-C02084 | 8 | 0 | 0.003 | 5.4 | 2,936.91 | 0.46 | 653.57 | 652.92 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 528,824.89 | 2.73 |
| C02084-C02082 | 8 | 224.2 | 0.004 | 5.2 | 2,915.20 | 0.46 | 652.92 | 652.13 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 570,185.51 | 2.94 |
| J11145-J11143 | 8 | 99 | 0.004 | 4.7 | 1,829.27 | 0.46 | 372.18 | 371.77 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 593,966.76 | 3.06 |
| F09059-F10043 | 8 | 265 | 0.011 | 2 | 441.01 | 0.46 | 418 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 982,031.68 | 5.06 |
| F04083-F04079 | 8 | 199 | 0.002 | 6.3 | 3,152.52 | 0.47 | 523.54 | 523.08 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 443,751.86 | 2.29 |
| F14017-F14015 | 8 | 378 | 0.008 | 2.5 | 540.24 | 0.47 | 448 | 445 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 822,247.45 | 4.24 |
| F09075-F09067 | 8 | 297 | 0.01 | 2.7 | 551.47 | 0.47 | 418 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 927,620.23 | 4.78 |
| G04035-G04033 | 8 | 298 | 0.007 | 4.5 | 2,017.27 | 0.47 | 488 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 756,126.87 | 3.90 |
| G07017-G07015 | 8 | 310 | 0.003 | 5.7 | 2,432.24 | 0.47 | 459 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 524,212.00 | 2.70 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|-------------------------------------|-------------------------------------|----------------|-----------------------------|
| G09163-G09159 | 8 | 240 | 0.004 | 4.2 | 1,973.91 | 0.47 | 417 | 415.94 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 613,387.78 | 3.16 |
| G04013-G04011 | 8 | 256 | 0.004 | 6.6 | 4,179.90 | 0.47 | 482 | 481 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| D13113-D13061 | 8 | 228 | 0.004 | 9.7 | 1,701.17 | 0.47 | 427 | 426 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 611,252.13 | 3.15 |
| H06049-H06043 | 8 | 130 | 0.008 | 3.4 | 732.77 | 0.47 | 450 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 809,498.65 | 4.17 |
| D02109-E02029 | 8 | 460 | 0.005 | 3.4 | 1,261.98 | 0.47 | 591.82 | 589.51 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 654,055.92 | 3.37 |
| E14039-E14037 | 8 | 255 | 0.004 | 4.4 | 1,987.82 | 0.47 | 440 | 439 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 577,986.53 | 2.98 |
| E13123-F13127 | 8 | 205 | 0.005 | 4.2 | 1,585.11 | 0.47 | 414 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 644,630.54 | 3.32 |
| G05059-G05057 | 8 | 258 | 0.008 | 3.6 | 1,773.27 | 0.47 | 472 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 812,630.19 | 4.19 |
| G05029-G05027 | 8 | 303 | 0.007 | 3.9 | 2,028.72 | 0.47 | 480 | 478 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 749,862.25 | 3.87 |
| F15019-F15015 | 8 | 313 | 0.003 | 4.6 | 2,076.97 | 0.47 | 458 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 521,693.76 | 2.69 |
| E11105-E11103 | 8 | 152 | 0.007 | 3.7 | 1,192.69 | 0.47 | 416 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 748,627.91 | 3.86 |
| E11155-E11153 | 8 | 323 | 0.003 | 8.7 | 2,736.28 | 0.47 | 405 | 404 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 513,554.51 | 2.65 |
| F02049-F02047 | 8 | 153 | 0.015 | 6 | 398.59 | 0.47 | 532.27 | 529.97 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,131,634.06 | 5.84 |
| J11143-J11141 | 8 | 247 | 0.003 | 5.4 | 2,804.81 | 0.47 | 371.77 | 371 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 515,329.13 | 2.66 |
| G04007-G04005 | 8 | 285 | 0.014 | 3.1 | 909.96 | 0.47 | 486 | 482 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,093,441.05 | 5.64 |
| H11095-H11093 | 8 | 318 | 0.003 | 6.5 | 1,858.16 | 0.47 | 383 | 382 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 517,576.14 | 2.67 |
| G07055-G07053 | 8 | 303 | 0.003 | 5.3 | 1,992.96 | 0.47 | 456 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 530,232.68 | 2.73 |
| G04029-G04027 | 8 | 300 | 0.007 | 4.1 | 2,032.51 | 0.47 | 484 | 482 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 753,602.23 | 3.89 |
| E12125-E12123 | 8 | 249 | 0.004 | 4.2 | 1,987.82 | 0.47 | 414 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 584,908.77 | 3.02 |
| H05053-H05051 | 8 | 299 | 0.007 | 4.2 | 2,217.25 | 0.47 | 471 | 469 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 754,861.39 | 3.89 |
| B01018-B01016 | 8 | 269 | 0.02 | 1.3 | 364.93 | 0.47 | 688.27 | 682.85 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,307,692.31 | 6.74 |
| G04005-G04003 | 8 | 301 | 0.007 | 4.5 | 2,256.45 | 0.47 | 482 | 480 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 752,349.36 | 3.88 |
| C02133-C02132 | 8 | 102 | 0.02 | 1.4 | 364.93 | 0.47 | 674.69 | 672.64 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,308,472.66 | 6.75 |
| G12109-H12067 | 8 | 341 | 0.003 | 8 | 1,890.85 | 0.47 | 376 | 375 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 499,816.53 | 2.58 |
| E11137-E11135 | 8 | 248 | 0.004 | 4.8 | 1,987.82 | 0.47 | 428 | 427 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 586,086.84 | 3.02 |
| C01019-C01017 | 8 | 99.5 | 0.003 | 6.8 | 4,854.48 | 0.47 | 639.68 | 639.34 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 538,179.64 | 2.78 |
| D08079-D08077 | 8 | 276 | 0.018 | 1.8 | 220.74 | 0.47 | 499 | 494 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,242,276.50 | 6.41 |
| E13097-E13093 | 8 | 243 | 0.003 | 11.5 | 3,551.91 | 0.48 | 427 | 426.32 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 488,246.49 | 2.52 |
| K14009-K14007 | 8 | 244 | 0.004 | 5.4 | 1,631.25 | 0.48 | 329 | 328 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 590,871.30 | 3.05 |
| G05131-G05129 | 8 | 239 | 0.004 | 4.5 | 1,594.37 | 0.48 | 491 | 490 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 597,019.97 | 3.08 |
| G13069-G13067 | 8 | 336 | 0.003 | 4.7 | 1,890.85 | 0.48 | 388 | 387 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 503,521.67 | 2.60 |
| F15143-F15131 | 8 | 242 | 0.004 | 7.1 | 1,985.47 | 0.48 | 452 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 593,307.89 | 3.06 |
| H04037-H04035 | 8 | 307 | 0.007 | 6 | 2,466.62 | 0.48 | 474 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 744,961.14 | 3.84 |
| K14075-K14073 | 8 | 288 | 0.007 | 3.6 | 983.91 | 0.48 | 332 | 330 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 769,142.06 | 3.97 |
| E03185-E03183 | 8 | 209 | 0.005 | 4 | 1,928.28 | 0.48 | 561 | 560 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 638,432.03 | 3.29 |
| G04041-G04039 | 8 | 263 | 0.015 | 2.4 | 682.47 | 0.48 | 483 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,138,255.95 | 5.87 |
| F14015-F14013 | 8 | 378 | 0.005 | 3 | 1,046.21 | 0.48 | 445 | 443 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 671,362.23 | 3.46 |
| F03077-F04021 | 8 | 298 | 0.003 | 4.8 | 2,363.42 | 0.48 | 512 | 511 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 534,662.44 | 2.76 |
| H04011-H04009 | 8 | 302 | 0.007 | 4.2 | 2,231.87 | 0.48 | 476 | 474 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 751,102.72 | 3.87 |
| K13029-K13027 | 8 | 230 | 0.004 | 4.8 | 1,570.22 | 0.48 | 337 | 336 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 608,588.71 | 3.14 |
| C07003-C07001 | 8 | 88 | 0.011 | 2 | 550.46 | 0.48 | 519 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 983,889.83 | 5.07 |
| F13121-E13097 | 8 | 244 | 0.004 | 5.3 | 2,369.68 | 0.48 | 428 | 427 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 590,871.30 | 3.05 |
| J11059-J11057 | 8 | 229 | 0.008 | 3.3 | 980.1 | 0.48 | 375 | 373.22 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 813,729.51 | 4.20 |
| F06131-F06129 | 8 | 179 | 0.003 | 11.4 | 3,203.36 | 0.48 | 488 | 487.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 487,805.05 | 2.52 |
| G15023-G15011 | 8 | 281 | 0.007 | 4.7 | 784.89 | 0.48 | 444 | 442 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 778,663.19 | 4.02 |
| C01017-C02118 | 8 | 293 | 0.003 | 7.1 | 4,849.79 | 0.48 | 639.34 | 638.63 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 544,505.03 | 2.81 |
| G03003-G03001 | 8 | 389 | 0.005 | 7.5 | 3,263.01 | 0.48 | 493 | 491 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 661,801.89 | 3.41 |
| K13019-K13017 | 8 | 240 | 0.004 | 4.6 | 1,920.38 | 0.48 | 332 | 331 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 595,774.88 | 3.07 |
| C07065-C07063 | 8 | 191 | 0.005 | 3.4 | 1,210.50 | 0.48 | 525 | 524 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 667,838.00 | 3.44 |
| E03183-E03181 | 8 | 188 | 0.005 | 3.9 | 1,909.92 | 0.48 | 560 | 559 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 673,145.40 | 3.47 |
| H05073-H05071 | 8 | 297 | 0.007 | 2.8 | 1,084.16 | 0.48 | 455 | 453 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 757,398.74 | 3.91 |
| E05069-E05067 | 8 | 171 | 0.006 | 6.3 | 1,306.54 | 0.48 | 525 | 524 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 705,813.16 | 3.64 |
| E03143-E03083 | 8 | 240 | 0.004 | 12.7 | 3,122.19 | 0.48 | 556 | 555 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 595,774.88 | 3.07 |
| E13091-E13089 | 8 | 249 | 0.002 | 9 | 5,145.08 | 0.48 | 431 | 430.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 413,592.96 | 2.13 |
| H05059-H05057 | 8 | 368 | 0.005 | 3.6 | 1,253.14 | 0.48 | 454.5 | 452.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 680,422.86 | 3.51 |
| D11085-D11083 | 8 | 63 | 0.016 | 3 | 486.86 | 0.48 | 449 | 448 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,162,833.49 | 6.00 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| F11039-F11037 | 8 | 312 | 0.003 | 5.9 | 2,782.94 | 0.49 | 405 | 404 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 522,529.13 | 2.69 |
| E18027-E18023 | 8 | 196 | 0.005 | 4 | 1,590.25 | 0.49 | 536 | 535 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 659,264.62 | 3.40 |
| F04079-F04077 | 8 | 96 | 0.002 | 6.6 | 3,909.11 | 0.49 | 523.08 | 522.85 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 451,768.67 | 2.33 |
| F03047-F03045 | 8 | 360 | 0.006 | 4.9 | 1,195.78 | 0.49 | 528 | 526 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 687,941.57 | 3.55 |
| G13015-G13013 | 8 | 198 | 0.005 | 3.3 | 1,080.49 | 0.49 | 398 | 397 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,926.55 | 3.38 |
| F05121-F05119 | 8 | 329 | 0.003 | 7.7 | 2,626.00 | 0.49 | 493 | 492 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 508,850.09 | 2.62 |
| J11135-J11089 | 8 | 330 | 0.003 | 11.4 | 3,353.54 | 0.49 | 372 | 371 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 508,078.52 | 2.62 |
| J11081-J11079 | 8 | 359 | 0.006 | 13.7 | 1,470.15 | 0.49 | 368 | 366 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 688,899.04 | 3.55 |
| G09155-G09125 | 8 | 291 | 0.007 | 8.9 | 1,412.39 | 0.49 | 415 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 765,167.14 | 3.95 |
| H05061-H05059 | 8 | 249 | 0.012 | 2.5 | 549.58 | 0.49 | 457.5 | 454.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,013,091.71 | 5.22 |
| E11069-E11067 | 10 | 328 | 0.003 | 5 | 3,565.48 | 0.49 | 409 | 408 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 924,011.95 | 2.86 |
| F13015-F13013 | 8 | 223 | 0.009 | 3.7 | 540.24 | 0.49 | 402 | 400 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 874,078.37 | 4.51 |
| C02082-C02080 | 8 | 221.5 | 0.004 | 5.3 | 3,255.42 | 0.49 | 652.13 | 651.25 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 598,902.33 | 3.09 |
| G07077-G07075 | 8 | 221 | 0.005 | 5 | 1,594.37 | 0.49 | 459 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 620,857.13 | 3.20 |
| H12079-H12077 | 8 | 349 | 0.003 | 7 | 3,664.48 | 0.49 | 365 | 364 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 494,054.77 | 2.55 |
| D12007-D12005 | 8 | 193 | 0.012 | 3.2 | 688.71 | 0.49 | 428 | 425.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,007,564.99 | 5.20 |
| F02164-F02163 | 8 | 205 | 0.026 | 13.6 | 208.74 | 0.49 | 548.69 | 543.37 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,476,087.00 | 7.61 |
| G03009-G03003 | 8 | 431 | 0.005 | 5.3 | 3,365.11 | 0.49 | 495 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 628,729.98 | 3.24 |
| E13057-E13055 | 8 | 227 | 0.004 | 4.6 | 1,987.82 | 0.49 | 422 | 421 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 612,597.02 | 3.16 |
| E18025-E18023 | 8 | 190 | 0.005 | 4 | 1,590.25 | 0.49 | 536 | 535 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 669,593.16 | 3.45 |
| H04019-H04013 | 8 | 186 | 0.002 | 16.1 | 16,052.81 | 0.49 | 474 | 473.68 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 382,830.32 | 1.97 |
| G04123-G04121 | 8 | 349 | 0.006 | 4.1 | 1,195.78 | 0.49 | 501 | 499 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 698,698.95 | 3.60 |
| F16061-F16059 | 8 | 223 | 0.004 | 4.7 | 1,986.19 | 0.49 | 491 | 490 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 618,066.74 | 3.19 |
| B01054-B01052 | 8 | 224 | 0.021 | 1.6 | 363.59 | 0.49 | 687.72 | 683.15 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,327,240.94 | 6.85 |
| F05149-F05147 | 8 | 174 | 0.006 | 3.4 | 1,195.78 | 0.49 | 505 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 699,702.11 | 3.61 |
| E06139-F06087 | 8 | 233 | 0.005 | 4.8 | 1,824.18 | 0.49 | 499.97 | 498.87 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 634,170.72 | 3.27 |
| J11097-J11095 | 8 | 127 | 0.016 | 2.5 | 528.96 | 0.49 | 376 | 374 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,158,246.36 | 5.97 |
| H09015-G09129 | 8 | 339 | 0.003 | 8.1 | 3,594.58 | 0.49 | 419 | 418 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 501,288.75 | 2.59 |
| G05057-G05003 | 8 | 254 | 0.008 | 8.8 | 2,193.03 | 0.49 | 470 | 468 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 819,003.86 | 4.22 |
| F13025-F13019 | 8 | 217 | 0.009 | 3.6 | 540.24 | 0.49 | 405 | 403 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 886,080.01 | 4.57 |
| H11011-H12081 | 8 | 321 | 0.003 | 6.7 | 3,182.31 | 0.49 | 365 | 364 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 515,151.88 | 2.66 |
| F06089-F06077 | 8 | 160 | 0.005 | 12.3 | 1,824.18 | 0.49 | 490.89 | 490.13 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 636,113.50 | 3.28 |
| E13117-E13115 | 8 | 186 | 0.005 | 4.5 | 1,590.25 | 0.5 | 417 | 416 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 676,754.78 | 3.49 |
| G15019-G15017 | 8 | 143 | 0.021 | 3.3 | 270.12 | 0.5 | 452 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,336,843.03 | 6.89 |
| E03189-E03187 | 8 | 64 | 0.008 | 3.1 | 1,281.68 | 0.5 | 562.5 | 562 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 815,798.35 | 4.21 |
| F06161-F06159 | 8 | 275 | 0.004 | 6.1 | 2,432.24 | 0.5 | 490 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 556,572.14 | 2.87 |
| F15001-G15015 | 8 | 308 | 0.004 | 4.7 | 2,299.48 | 0.5 | 448.16 | 447 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 566,423.74 | 2.92 |
| E17019-E17017 | 8 | 268 | 0.007 | 3.9 | 1,218.09 | 0.5 | 505 | 503 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 797,325.05 | 4.11 |
| G04077-G04075 | 8 | 338 | 0.006 | 5.1 | 2,701.32 | 0.5 | 478 | 476 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 709,977.29 | 3.66 |
| F08149-F08147 | 8 | 270 | 0.004 | 5.6 | 2,432.24 | 0.5 | 452 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 561,701.94 | 2.90 |
| H06039-H06037 | 8 | 206 | 0.009 | 2.4 | 732.77 | 0.5 | 453.27 | 451.4 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 879,376.79 | 4.54 |
| C07005-C07003 | 8 | 221 | 0.014 | 1.7 | 441.47 | 0.5 | 522 | 519 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,075,356.09 | 5.55 |
| H06033-H06031 | 8 | 422 | 0.004 | 4.9 | 2,507.59 | 0.5 | 447.77 | 446.2 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 562,965.02 | 2.90 |
| H13063-H13061 | 8 | 264 | 0.004 | 4.1 | 1,620.73 | 0.5 | 372 | 371 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 568,049.06 | 2.93 |
| G10079-H10039 | 12 | 663 | 0.002 | 10.7 | 7,656.39 | 0.5 | 389 | 388 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,056,836.33 | 2.04 |
| F14009-F14007 | 8 | 53 | 0.004 | 4.8 | 2,327.07 | 0.5 | 438.44 | 438.24 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 566,976.25 | 2.92 |
| F15003-F15001 | 8 | 84 | 0.004 | 4.7 | 2,309.84 | 0.5 | 448.48 | 448.16 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 569,669.74 | 2.94 |
| E16075-E16073 | 8 | 102 | 0.01 | 2.7 | 795.13 | 0.5 | 489 | 488 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 913,876.95 | 4.71 |
| E08099-E08097 | 8 | 262 | 0.004 | 5.4 | 2,427.92 | 0.5 | 465 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 570,213.06 | 2.94 |
| E02072-E02070 | 8 | 341.1 | 0.004 | 6.2 | 2,387.06 | 0.5 | 561.69 | 560.47 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 552,065.40 | 2.85 |
| F04051-F04049 | 8 | 326 | 0.006 | 3.8 | 1,195.78 | 0.5 | 514 | 512 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 722,926.27 | 3.73 |
| G05019-G05017 | 8 | 314 | 0.006 | 4.9 | 3,035.68 | 0.5 | 485 | 483 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 736,610.63 | 3.80 |
| E06131-E06129 | 8 | 131 | 0.004 | 5.8 | 2,432.24 | 0.5 | 497 | 496.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 570,213.06 | 2.94 |
| H05067-H05065 | 8 | 402 | 0.005 | 4.1 | 1,619.96 | 0.5 | 449 | 447 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 651,013.18 | 3.36 |
| C07085-C07083 | 8 | 57 | 0.035 | 1.1 | 110.37 | 0.51 | 530 | 528 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,728,882.10 | 8.92 |
| F15079-F15077 | 8 | 175 | 0.006 | 5.5 | 1,590.25 | 0.51 | 471 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 697,700.10 | 3.60 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| C02130-C02128 | 8 | 300 | 0.023 | 1.3 | 363.08 | 0.51 | 667.91 | 661.11 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,387,263.68 | 7.15 |
| F13003-F13001 | 8 | 222 | 0.008 | 2.5 | 794.72 | 0.51 | 399 | 397.3 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 807,673.40 | 4.17 |
| C07043-C07039 | 8 | 204 | 0.01 | 2.1 | 660.55 | 0.51 | 529 | 527 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 913,876.95 | 4.71 |
| J12077-J12075 | 21 | 117 | 0.001 | 56.2 | 20,397.77 | 0.51 | 357.81 | 357.68 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 4,034,081.86 | 2.60 |
| D19007-D19005 | 8 | 300 | 0.012 | 2.5 | 795.13 | 0.51 | 551.11 | 547.46 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,018,060.56 | 5.25 |
| C04015-C04013 | 8 | 251 | 0.008 | 2.7 | 1,094.80 | 0.51 | 635 | 633 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 823,883.76 | 4.25 |
| E14121-E14119 | 8 | 80 | 0.01 | 2.7 | 795.13 | 0.51 | 435 | 434.19 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 928,721.12 | 4.79 |
| F08045-F08043 | 8 | 292 | 0.003 | 5.6 | 2,149.74 | 0.51 | 435 | 434 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 540,127.61 | 2.79 |
| F09063-G09007 | 8 | 312 | 0.006 | 3 | 1,101.18 | 0.51 | 415 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 738,967.79 | 3.81 |
| G08107-G08105 | 8 | 46 | 0.002 | 10.8 | 8,785.35 | 0.51 | 426.71 | 426.64 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 360,045.93 | 1.86 |
| D13011-D13009 | 8 | 163 | 0.008 | 4.7 | 1,054.30 | 0.51 | 427 | 425.62 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 849,246.07 | 4.38 |
| J11129-J11127 | 8 | 208 | 0.005 | 6.3 | 2,115.93 | 0.51 | 380 | 379 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 639,964.88 | 3.30 |
| G10069-G10067 | 8 | 337 | 0.008 | 4.6 | 1,069.58 | 0.51 | 399 | 396.25 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 833,756.44 | 4.30 |
| G14061-G14059 | 8 | 196 | 0.005 | 12.7 | 1,319.76 | 0.51 | 404 | 403 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 659,264.62 | 3.40 |
| F15027-F15013 | 8 | 87 | 0.004 | 6.1 | 2,066.20 | 0.51 | 453.12 | 452.78 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,989.14 | 2.98 |
| C07001-D07025 | 8 | 197 | 0.01 | 2.7 | 660.17 | 0.51 | 518 | 516 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 929,971.61 | 4.80 |
| E08081-E08079 | 12 | 328 | 0.003 | 4.3 | 4,136.24 | 0.51 | 461 | 460 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,502,545.31 | 2.91 |
| G07075-G07073 | 8 | 374 | 0.003 | 6.6 | 3,564.92 | 0.51 | 458 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 477,256.67 | 2.46 |
| J11057-H11163 | 8 | 226 | 0.005 | 3.9 | 1,954.82 | 0.51 | 373.22 | 372 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 678,130.85 | 3.50 |
| C01044-C01042 | 8 | 300 | 0.008 | 3.1 | 1,396.74 | 0.51 | 643.94 | 641.42 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 844,510.06 | 4.36 |
| H11109-H11107 | 8 | 123 | 0.008 | 3.6 | 1,222.23 | 0.51 | 372 | 371 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 832,214.45 | 4.29 |
| J11071-J12067 | 8 | 224 | 0.004 | 4.8 | 2,450.25 | 0.51 | 370 | 369 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 616,685.59 | 3.18 |
| F13085-F13083 | 8 | 319 | 0.004 | 6.2 | 2,768.17 | 0.51 | 422.86 | 421.59 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 582,363.74 | 3.00 |
| H05051-H05049 | 8 | 298 | 0.007 | 14.3 | 2,849.59 | 0.51 | 469 | 467 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 756,126.87 | 3.90 |
| G04023-G04021 | 8 | 300 | 0.01 | 3.8 | 1,581.29 | 0.51 | 486 | 483 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 922,970.47 | 4.76 |
| H06035-H06033 | 8 | 400 | 0.004 | 4.6 | 2,131.81 | 0.51 | 449.54 | 447.77 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 613,966.17 | 3.17 |
| G12045-G12043 | 8 | 219 | 0.005 | 4 | 1,818.98 | 0.52 | 394 | 393 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 623,685.65 | 3.22 |
| G10015-G10013 | 10 | 265 | 0.002 | 6.9 | 6,927.27 | 0.52 | 410.5 | 410 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 726,903.19 | 2.25 |
| E10013-E10011 | 15 | 227 | 0.002 | 3.5 | 5,021.67 | 0.52 | 419 | 418.5 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,315,598.57 | 2.99 |
| J08051-J08049 | 8 | 239 | 0.01 | 4.7 | 729.94 | 0.52 | 401.61 | 399.24 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 919,100.56 | 4.74 |
| C02057-C02055 | 8 | 154 | 0.013 | 2.6 | 729.87 | 0.52 | 648 | 646 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,051,822.47 | 5.42 |
| F15005-F15003 | 8 | 338 | 0.004 | 4.4 | 2,074.92 | 0.52 | 450 | 448.48 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 618,943.85 | 3.19 |
| E10009-E10007 | 18 | 336 | 0.003 | 24 | 4,999.04 | 0.52 | 418 | 417.06 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 4,243,610.12 | 3.65 |
| K13031-K14081 | 8 | 275 | 0.002 | 9.2 | 5,585.30 | 0.52 | 337.52 | 337 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 401,349.88 | 2.07 |
| F03187-F03185 | 8 | 277.1 | 0.003 | 7 | 3,146.18 | 0.52 | 532.43 | 531.52 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 529,015.77 | 2.73 |
| E11089-E11087 | 8 | 389 | 0.005 | 4.8 | 1,987.82 | 0.52 | 415 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 661,801.89 | 3.41 |
| J13005-J14125 | 8 | 280 | 0.002 | 9.5 | 6,052.11 | 0.52 | 337 | 336.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 390,026.21 | 2.01 |
| E05131-E05129 | 8 | 260 | 0.004 | 5 | 2,391.56 | 0.52 | 523 | 522 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 572,401.99 | 2.95 |
| E05139-E05137 | 8 | 260 | 0.004 | 5.3 | 2,391.56 | 0.52 | 518 | 517 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 572,401.99 | 2.95 |
| F08061-F08059 | 8 | 211 | 0.005 | 4.9 | 1,612.30 | 0.52 | 445 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 635,399.08 | 3.28 |
| C02103-C02101 | 8 | 165 | 0.02 | 2.5 | 1,053.36 | 0.52 | 666.98 | 663.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,301,315.96 | 6.71 |
| G07067-G07065 | 8 | 215 | 0.005 | 4.2 | 1,992.96 | 0.52 | 462 | 461 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 629,460.64 | 3.25 |
| F15141-F15135 | 8 | 192 | 0.005 | 5.4 | 1,987.82 | 0.52 | 458 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 666,096.56 | 3.44 |
| F06143-F06141 | 10 | 164 | 0.006 | 7.4 | 1,824.18 | 0.52 | 486 | 485 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,306,750.23 | 4.04 |
| F07049-F07045 | 8 | 268 | 0.004 | 6.5 | 3,024.23 | 0.52 | 466 | 465 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 563,793.95 | 2.91 |
| J11067-J12063 | 8 | 399 | 0.005 | 5.1 | 2,435.78 | 0.52 | 365 | 363 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 653,456.01 | 3.37 |
| L13157-L13155 | 8 | 200 | 0.01 | 100 | 811.34 | 0.52 | 328 | 326 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 922,970.47 | 4.76 |
| F14045-F14025 | 8 | 246 | 0.004 | 6.8 | 1,827.02 | 0.52 | 429 | 428 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 588,464.48 | 3.03 |
| F14007-G14037 | 8 | 330 | 0.004 | 4.9 | 2,582.20 | 0.52 | 438.24 | 437 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 565,772.30 | 2.92 |
| K13021-K13019 | 8 | 207 | 0.005 | 4.1 | 2,003.77 | 0.52 | 333 | 332 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 641,508.82 | 3.31 |
| D08073-D08069 | 8 | 248 | 0.006 | 6.2 | 1,513.97 | 0.52 | 486 | 484.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 717,806.85 | 3.70 |
| H05071-H06045 | 8 | 244 | 0.008 | 3.4 | 1,198.01 | 0.52 | 453 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 835,618.20 | 4.31 |
| F02003-F02001 | 8 | 115 | 0.005 | 4.6 | 1,995.78 | 0.52 | 533.37 | 532.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 649,794.92 | 3.35 |
| D16051-D16049 | 8 | 160 | 0.006 | 3.5 | 1,590.25 | 0.52 | 502 | 501 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 729,672.23 | 3.76 |
| G09005-G09003 | 8 | 91 | 0.005 | 4.5 | 1,647.34 | 0.52 | 412.5 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 684,151.23 | 3.53 |
| C02061-C02041 | 8 | 157 | 0.009 | 6.9 | 1,089.83 | 0.52 | 634.5 | 633.02 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 896,125.51 | 4.62 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|-------------------------------------|-------------------------------------|----------------|-----------------------------|
| F12063-F12061 | 8 | 196 | 0.026 | 1.4 | 270.12 | 0.52 | 398 | 393 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,474,160.51 | 7.60 |
| J06043-J06039 | 8 | 254 | 0.009 | 2.5 | 930.23 | 0.52 | 437.95 | 435.58 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 891,548.80 | 4.60 |
| C02090-C02082 | 8 | 138.3 | 0.023 | 3.3 | 364.05 | 0.52 | 655.32 | 652.13 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,393,218.17 | 7.19 |
| E13005-E13003 | 8 | 305 | 0.013 | 7.2 | 795.13 | 0.52 | 424 | 420 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,056,982.71 | 5.45 |
| G15005-G15003 | 8 | 186 | 0.011 | 2.2 | 540.24 | 0.52 | 437 | 435 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 957,075.80 | 4.94 |
| J11111-J11109 | 8 | 213 | 0.004 | 5.1 | 2,916.93 | 0.52 | 377 | 376.12 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 593,252.18 | 3.06 |
| F06009-F06007 | 8 | 258 | 0.016 | 4.7 | 608.06 | 0.52 | 476 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,149,232.63 | 5.93 |
| E08013-E08011 | 8 | 254 | 0.016 | 2.3 | 441.47 | 0.53 | 463 | 459 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,158,246.36 | 5.97 |
| J13007-J13005 | 8 | 304 | 0.003 | 7.1 | 3,100.57 | 0.53 | 338 | 337 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 529,359.87 | 2.73 |
| E02097-F02175 | 8 | 282 | 0.009 | 4.5 | 1,459.94 | 0.53 | 554.38 | 551.77 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 884,807.69 | 4.56 |
| F08153-F08151 | 8 | 270 | 0.004 | 6.1 | 3,040.30 | 0.53 | 451 | 450 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 561,701.94 | 2.90 |
| H04009-H04007 | 8 | 282 | 0.007 | 10.7 | 2,864.14 | 0.53 | 474 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 777,281.36 | 4.01 |
| F06027-F06025 | 8 | 238 | 0.008 | 3.6 | 1,740.34 | 0.53 | 472 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 846,085.64 | 4.36 |
| F03015-G03053 | 8 | 356 | 0.006 | 4.4 | 1,594.37 | 0.53 | 516 | 514 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 691,795.62 | 3.57 |
| G09143-G09141 | 6 | 248 | 0.012 | 8.5 | 679.11 | 0.53 | 423 | 420 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 471,359.90 | 3.65 |
| F02001-F03149 | 8 | 176 | 0.004 | 5.1 | 2,780.71 | 0.53 | 532.8 | 532.12 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 573,701.43 | 2.96 |
| C01050-C01048 | 8 | 300 | 0.015 | 2.1 | 728.23 | 0.53 | 659.34 | 654.93 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,117,181.81 | 5.76 |
| H11083-H11081 | 8 | 200 | 0.005 | 4.3 | 1,578.65 | 0.53 | 384 | 383 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 652,638.68 | 3.37 |
| G04021-G04011 | 8 | 298 | 0.007 | 5.8 | 2,913.54 | 0.53 | 483 | 481 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 756,126.87 | 3.90 |
| F10043-F10041 | 8 | 331 | 0.009 | 2.7 | 880.7 | 0.53 | 415 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 878,687.48 | 4.53 |
| F03031-F03029 | 8 | 352 | 0.006 | 4.8 | 1,594.37 | 0.53 | 524 | 522 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 695,715.17 | 3.59 |
| J11159-J11085 | 8 | 583 | 0.009 | 11.4 | 1,225.13 | 0.53 | 373 | 368 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 854,748.86 | 4.41 |
| G05149-G05147 | 8 | 116 | 0.009 | 2.8 | 994.92 | 0.53 | 491 | 490 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 856,956.57 | 4.42 |
| E11017-E11015 | 8 | 401 | 0.005 | 5.6 | 1,612.30 | 0.53 | 424 | 422 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 651,824.41 | 3.36 |
| G12059-G12057 | 8 | 323 | 0.003 | 5.3 | 2,612.49 | 0.53 | 384 | 383 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 513,554.51 | 2.65 |
| G12031-G12029 | 8 | 239 | 0.008 | 3.4 | 810.37 | 0.53 | 386 | 384 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 844,313.74 | 4.35 |
| D03127-D03125 | 8 | 357 | 0.008 | 3.7 | 1,310.74 | 0.53 | 587 | 584 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 846,085.64 | 4.36 |
| D03119-D03117 | 6 | 428 | 0.005 | 5.9 | 1,966.11 | 0.53 | 583 | 581 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 292,961.77 | 2.27 |
| F16063-F16061 | 8 | 89 | 0.011 | 3.2 | 795.13 | 0.53 | 492 | 491 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 978,346.74 | 5.05 |
| E02029-E02027 | 8 | 238 | 0.006 | 11.2 | 1,750.63 | 0.53 | 589.51 | 588.03 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 727,830.39 | 3.75 |
| G12029-G12027 | 8 | 264 | 0.004 | 5 | 2,118.48 | 0.53 | 384 | 383 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 568,049.06 | 2.93 |
| F05139-F05137 | 8 | 196 | 0.01 | 3.3 | 797.19 | 0.53 | 503 | 501 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 932,340.97 | 4.81 |
| E17005-E17003 | 8 | 294 | 0.003 | 7.1 | 3,594.63 | 0.53 | 525 | 524 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 538,287.31 | 2.78 |
| C01009-C01007 | 8 | 147 | 0.007 | 3.7 | 1,459.73 | 0.53 | 635 | 634 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 761,253.22 | 3.93 |
| C07061-C07059 | 8 | 411 | 0.005 | 4.2 | 2,086.69 | 0.53 | 523 | 521 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 643,845.84 | 3.32 |
| F07009-F07007 | 8 | 331 | 0.006 | 4.3 | 1,814.83 | 0.53 | 455 | 453 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 717,445.32 | 3.70 |
| E11009-E11007 | 8 | 320 | 0.003 | 6.5 | 2,686.57 | 0.53 | 426 | 425 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 515,956.18 | 2.66 |
| D11079-D11077 | 8 | 303 | 0.007 | 4.9 | 1,580.30 | 0.53 | 446 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 749,862.25 | 3.87 |
| F01009-F01021 | 8 | 172 | 0.006 | 5.1 | 1,598.54 | 0.53 | 538.3 | 537.31 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 700,230.75 | 3.61 |
| E17027-E17025 | 8 | 251 | 0.004 | 5.3 | 3,169.85 | 0.53 | 508 | 507 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 582,573.80 | 3.00 |
| E02084-E02082 | 8 | 340 | 0.004 | 5.9 | 2,391.56 | 0.53 | 564.93 | 563.51 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 595,600.14 | 3.07 |
| F05025-F05023 | 8 | 346 | 0.006 | 60.9 | 1,594.37 | 0.53 | 497 | 495 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 701,721.46 | 3.62 |
| G14083-G14077 | 8 | 169 | 0.004 | 5.1 | 2,160.98 | 0.53 | 424.36 | 423.74 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 559,036.67 | 2.88 |
| F12001-G12045 | 8 | 217 | 0.006 | 3.6 | 1,303.27 | 0.53 | 395.37 | 394 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 733,361.70 | 3.78 |
| F15113-F15111 | 8 | 179 | 0.006 | 5.9 | 1,987.82 | 0.53 | 479 | 478 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 689,860.52 | 3.56 |
| F15009-F15007 | 8 | 331 | 0.006 | 3.3 | 1,307.79 | 0.53 | 455 | 453 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 717,445.32 | 3.70 |
| E07141-E07139 | 8 | 247 | 0.004 | 6 | 3,021.56 | 0.53 | 469 | 468 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,272.05 | 3.03 |
| C04067-C04065 | 8 | 219 | 0.009 | 4.1 | 1,094.80 | 0.53 | 668 | 666 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 882,024.70 | 4.55 |
| F12043-F12041 | 8 | 310 | 0.006 | 3.6 | 1,533.80 | 0.54 | 392 | 390 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 741,347.72 | 3.82 |
| E13115-E13111 | 8 | 253 | 0.004 | 5.5 | 3,173.25 | 0.54 | 416 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 580,266.56 | 2.99 |
| H11107-H11105 | 8 | 580 | 0.005 | 16.1 | 2,443.53 | 0.54 | 371 | 368 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 663,795.70 | 3.42 |
| E18029-E18023 | 8 | 249 | 0.004 | 5.3 | 3,172.07 | 0.54 | 536 | 535 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 584,908.77 | 3.02 |
| F04089-F04087 | 8 | 200 | 0.006 | 3.6 | 1,594.37 | 0.54 | 526.57 | 525.39 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 708,947.07 | 3.66 |
| D03079-D03071 | 8 | 139 | 0.014 | 4.7 | 729.87 | 0.54 | 615 | 613 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,107,121.81 | 5.71 |
| J11055-H11105 | 8 | 559 | 0.005 | 16 | 2,205.23 | 0.54 | 371 | 368 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 676,149.19 | 3.49 |
| F15127-F15095 | 6 | 189 | 0.005 | 23.1 | 1,987.82 | 0.54 | 458 | 457 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 311,735.99 | 2.41 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| D07031-D07029 | 8 | 104 | 0.01 | 2.4 | 880.32 | 0.54 | 500 | 499 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 905,047.01 | 4.67 |
| F08041-F08039 | 8 | 139 | 0.014 | 2.8 | 537.43 | 0.54 | 442 | 440 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,107,121.81 | 5.71 |
| G12111-H12063 | 8 | 401 | 0.005 | 10.1 | 1,620.73 | 0.54 | 373 | 371 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 651,824.41 | 3.36 |
| H06075-H06057 | 8 | 331 | 0.006 | 5.5 | 1,557.83 | 0.54 | 443 | 441 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 717,445.32 | 3.70 |
| G12107-H12065 | 8 | 399 | 0.005 | 9.7 | 1,620.73 | 0.54 | 374 | 372 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 653,456.01 | 3.37 |
| E18113-E18111 | 8 | 293 | 0.007 | 3.5 | 1,590.25 | 0.54 | 542 | 540 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 762,551.18 | 3.93 |
| G13009-G13007 | 8 | 198 | 0.005 | 3.7 | 1,620.73 | 0.54 | 396 | 395 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,926.55 | 3.38 |
| E06141-F06095 | 8 | 120 | 0.009 | 3 | 1,216.12 | 0.54 | 498.08 | 497.02 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 867,461.32 | 4.47 |
| E02068-E02066 | 8 | 283.7 | 0.006 | 4.2 | 1,607.44 | 0.54 | 564.1 | 562.4 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 715,350.77 | 3.69 |
| C02059-C02055 | 8 | 136 | 0.015 | 2.6 | 729.87 | 0.54 | 648 | 646 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,119,266.10 | 5.77 |
| C02101-C02088 | 8 | 300 | 0.012 | 3 | 1,397.52 | 0.54 | 663.7 | 660 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 990,914.43 | 5.11 |
| F16059-F16057 | 8 | 235 | 0.004 | 5.8 | 3,168.48 | 0.54 | 490 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 602,079.55 | 3.11 |
| E16091-E16089 | 8 | 271 | 0.004 | 5.9 | 3,570.04 | 0.54 | 505 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 560,664.63 | 2.89 |
| F18023-F18011 | 8 | 144 | 0.007 | 17.1 | 1,590.25 | 0.54 | 533 | 532 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 769,142.06 | 3.97 |
| G13013-G13011 | 8 | 187 | 0.005 | 4.7 | 1,570.80 | 0.54 | 397 | 396 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 674,942.85 | 3.48 |
| E03177-E03169 | 8 | 82 | 0.006 | 4.3 | 2,536.21 | 0.54 | 557 | 556.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 720,718.85 | 3.72 |
| E07123-E07121 | 8 | 281 | 0.004 | 6.2 | 3,648.36 | 0.54 | 482 | 481 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 550,598.02 | 2.84 |
| C07083-C07081 | 8 | 393 | 0.018 | 5.2 | 441.38 | 0.55 | 528 | 521 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,231,801.00 | 6.35 |
| D14031-D14029 | 8 | 143 | 0.007 | 6 | 1,590.25 | 0.55 | 451 | 450 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 771,826.68 | 3.98 |
| E11147-E11145 | 8 | 143 | 0.007 | 4.1 | 1,590.25 | 0.55 | 416 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 771,826.68 | 3.98 |
| F05095-F05093 | 8 | 382 | 0.005 | 4.5 | 1,992.96 | 0.55 | 521 | 519 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 667,838.00 | 3.44 |
| D18047-D18045 | 12 | 300 | 0.004 | 5.7 | 10,097.34 | 0.55 | 526.96 | 525.9 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,617,546.61 | 3.13 |
| H11081-H11079 | 8 | 274 | 0.004 | 5.1 | 2,651.12 | 0.55 | 383 | 382 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 557,586.85 | 2.88 |
| E14117-E13091 | 8 | 237 | 0.004 | 6.5 | 3,171.71 | 0.55 | 432 | 431 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 599,533.75 | 3.09 |
| F13127-F13125 | 8 | 198 | 0.005 | 5.6 | 2,770.50 | 0.55 | 413 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,926.55 | 3.38 |
| F16009-F16007 | 8 | 191 | 0.005 | 4.6 | 2,385.38 | 0.55 | 486 | 485 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 667,838.00 | 3.44 |
| H13015-H13013 | 8 | 212 | 0.004 | 10.5 | 2,100.05 | 0.55 | 371.45 | 370.56 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 598,018.86 | 3.08 |
| F15049-F15047 | 8 | 300 | 0.003 | 5.3 | 2,871.63 | 0.55 | 447 | 446 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 532,877.25 | 2.75 |
| C02031-C02029 | 8 | 183 | 0.005 | 5.2 | 3,599.70 | 0.55 | 650 | 649 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 682,279.41 | 3.52 |
| F04043-F04041 | 8 | 322 | 0.003 | 6.4 | 3,962.31 | 0.55 | 507 | 506 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 514,351.33 | 2.65 |
| E06123-E06121 | 8 | 240 | 0.004 | 5.4 | 3,040.30 | 0.55 | 505 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 595,774.88 | 3.07 |
| C02122-C02120 | 8 | 300 | 0.014 | 2.8 | 1,073.52 | 0.55 | 645.64 | 641.32 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,105,723.23 | 5.70 |
| G05135-G05133 | 8 | 181 | 0.011 | 2.9 | 797.19 | 0.55 | 493 | 491 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 970,205.02 | 5.00 |
| E02105-E02103 | 8 | 95 | 0.011 | 2.8 | 1,108.63 | 0.55 | 559.9 | 558.84 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 964,839.05 | 4.98 |
| G10049-G10047 | 8 | 170 | 0.006 | 3.6 | 1,446.72 | 0.55 | 405 | 404 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 707,886.04 | 3.65 |
| K13017-K14047 | 8 | 235 | 0.004 | 5.9 | 2,869.86 | 0.55 | 331 | 330 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 602,079.55 | 3.11 |
| E11077-E11075 | 8 | 281 | 0.007 | 8.4 | 1,590.25 | 0.55 | 412 | 410 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 778,663.19 | 4.02 |
| F04055-F04053 | 8 | 320 | 0.003 | 6.3 | 3,963.30 | 0.55 | 509 | 508 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 515,956.18 | 2.66 |
| E04153-E04151 | 8 | 391 | 0.008 | 3.1 | 1,195.78 | 0.55 | 542 | 539 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 808,462.83 | 4.17 |
| F02005-F02003 | 8 | 125 | 0.005 | 4 | 2,009.39 | 0.55 | 534.05 | 533.37 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 680,749.38 | 3.51 |
| K14011-K14007 | 8 | 158 | 0.006 | 5.2 | 1,570.22 | 0.55 | 329 | 328 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 734,275.88 | 3.79 |
| F15023-F15021 | 8 | 311 | 0.006 | 3.2 | 1,306.98 | 0.55 | 463 | 461 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 740,154.89 | 3.82 |
| F03045-F03043 | 8 | 362 | 0.003 | 7.7 | 4,356.33 | 0.55 | 526 | 525 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 485,102.51 | 2.50 |
| G10017-G09003 | 8 | 79 | 0.006 | 4.4 | 1,647.24 | 0.55 | 412.5 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 734,275.88 | 3.79 |
| J11133-J11131 | 8 | 126 | 0.004 | 5.7 | 3,542.47 | 0.55 | 379.4 | 378.92 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 569,669.74 | 2.94 |
| H11047-H11045 | 8 | 371 | 0.005 | 4.1 | 1,670.47 | 0.55 | 385 | 383 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 677,666.24 | 3.50 |
| C07063-C07061 | 8 | 161 | 0.006 | 3.9 | 1,648.63 | 0.55 | 524 | 523 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 727,402.63 | 3.75 |
| J12063-J12061 | 8 | 239 | 0.004 | 6.6 | 3,877.47 | 0.55 | 363 | 362 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 597,019.97 | 3.08 |
| C01042-C01019 | 8 | 153.6 | 0.011 | 4.8 | 1,384.04 | 0.55 | 641.42 | 639.68 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 981,074.69 | 5.06 |
| E13089-E13085 | 8 | 256 | 0.002 | 14.6 | 8,693.34 | 0.55 | 430.5 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 407,899.17 | 2.10 |
| E11087-E11081 | 10 | 248 | 0.004 | 5.1 | 3,957.76 | 0.55 | 413 | 412 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,062,646.14 | 3.29 |
| F16069-F16067 | 8 | 130 | 0.004 | 6.1 | 3,571.85 | 0.55 | 484.5 | 484 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 572,401.99 | 2.95 |
| F08145-F08143 | 8 | 270 | 0.004 | 6.3 | 3,648.36 | 0.55 | 453 | 452 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 561,701.94 | 2.90 |
| G08085-G08083 | 8 | 270 | 0.004 | 6.8 | 3,648.36 | 0.55 | 447 | 446 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 561,701.94 | 2.90 |
| G04049-G04047 | 8 | 300 | 0.007 | 5.4 | 3,570.22 | 0.55 | 488 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 753,602.23 | 3.89 |
| C02118-C02110 | 8 | 268.2 | 0.004 | 7.6 | 6,587.86 | 0.55 | 638.63 | 637.59 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 572,825.83 | 2.95 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| E05077-E05075 | 8 | 250 | 0.004 | 6.3 | 3,276.85 | 0.55 | 528 | 527 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 583,737.78 | 3.01 |
| E11101-E11099 | 8 | 137 | 0.007 | 3.8 | 1,590.25 | 0.55 | 416 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 788,546.89 | 4.07 |
| D07043-D07041 | 8 | 274 | 0.011 | 3.1 | 771.39 | 0.55 | 501 | 498 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 965,768.76 | 4.98 |
| J07163-J07161 | 8 | 121 | 0.006 | 4 | 1,668.05 | 0.55 | 417.41 | 416.66 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 726,650.80 | 3.75 |
| G04063-G03011 | 8 | 213 | 0.005 | 6.2 | 4,750.94 | 0.55 | 494 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 632,408.95 | 3.26 |
| H06017-H06015 | 8 | 349 | 0.006 | 3.9 | 1,939.92 | 0.55 | 445 | 443 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 698,698.95 | 3.60 |
| D07049-D07047 | 8 | 141 | 0.007 | 3.2 | 1,428.36 | 0.55 | 506 | 505 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 777,281.36 | 4.01 |
| E11005-E11003 | 8 | 291 | 0.003 | 6 | 2,687.17 | 0.55 | 421 | 420 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 541,054.87 | 2.79 |
| H05037-H05035 | 8 | 322 | 0.006 | 8.2 | 4,004.69 | 0.56 | 466 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 727,402.63 | 3.75 |
| G12101-G12099 | 8 | 331 | 0.009 | 3.7 | 1,044.79 | 0.56 | 375 | 372 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 878,687.48 | 4.53 |
| F13001-F12001 | 8 | 213 | 0.009 | 2.9 | 1,044.72 | 0.56 | 397.3 | 395.37 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 878,570.59 | 4.53 |
| F03190-F03189 | 8 | 300 | 0.011 | 2.9 | 797.19 | 0.56 | 540.24 | 536.79 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 988,130.05 | 5.10 |
| F05133-F05131 | 8 | 260 | 0.004 | 6.5 | 3,160.08 | 0.56 | 501 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 572,401.99 | 2.95 |
| G10081-G10079 | 12 | 692 | 0.003 | 5 | 4,276.90 | 0.56 | 391 | 389 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,462,939.78 | 2.83 |
| E13053-E13051 | 8 | 393 | 0.015 | 2 | 795.13 | 0.56 | 427 | 421 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,140,426.12 | 5.88 |
| G04003-G04001 | 8 | 296 | 0.007 | 7.4 | 3,572.41 | 0.56 | 480 | 478 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 758,677.05 | 3.91 |
| G07071-G07069 | 8 | 362 | 0.006 | 4.2 | 1,992.96 | 0.56 | 464 | 462 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 686,038.55 | 3.54 |
| F15013-G15021 | 8 | 338 | 0.002 | 7.8 | 5,549.60 | 0.56 | 452.78 | 452 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 443,380.67 | 2.29 |
| H06065-H07025 | 12 | 294 | 0.001 | 12 | 23,306.55 | 0.56 | 437 | 436.77 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 761,122.83 | 1.47 |
| G04051-G04049 | 8 | 300 | 0.01 | 4.3 | 2,248.34 | 0.56 | 491 | 488 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 922,970.47 | 4.76 |
| E14085-E14083 | 8 | 65 | 0.015 | 2.7 | 795.13 | 0.56 | 439 | 438 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,144,803.98 | 5.90 |
| H12077-J12047 | 8 | 360 | 0.003 | 9.1 | 6,079.84 | 0.56 | 364 | 363 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 486,448.15 | 2.51 |
| F13019-F13017 | 8 | 299 | 0.003 | 5.4 | 3,007.64 | 0.56 | 403 | 402 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 533,767.61 | 2.75 |
| G05043-G05041 | 8 | 346 | 0.006 | 6.1 | 4,802.63 | 0.56 | 475 | 473 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 701,721.46 | 3.62 |
| H05057-H05055 | 8 | 350 | 0.006 | 4 | 2,066.40 | 0.56 | 452.5 | 450.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 697,700.10 | 3.60 |
| C02120-C02118 | 8 | 300 | 0.009 | 5.4 | 1,794.18 | 0.56 | 641.32 | 638.63 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 873,983.67 | 4.51 |
| E07133-E07131 | 8 | 263 | 0.004 | 7.2 | 3,648.36 | 0.56 | 479 | 478 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 569,127.97 | 2.94 |
| B01012-B01010 | 8 | 176 | 0.035 | 2.7 | 360.1 | 0.56 | 676.57 | 670.41 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,721,834.99 | 8.88 |
| G05033-G05007 | 8 | 294 | 0.007 | 11.1 | 3,578.43 | 0.56 | 474 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 761,253.22 | 3.93 |
| F05123-F05121 | 8 | 170 | 0.006 | 4.5 | 1,846.26 | 0.56 | 494 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 707,886.04 | 3.65 |
| D13053-D13051 | 8 | 110 | 0.009 | 11.8 | 1,649.58 | 0.56 | 424 | 423 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 880,017.82 | 4.54 |
| H13009-H13007 | 8 | 196 | 0.005 | 11.8 | 2,096.75 | 0.56 | 370.52 | 369.63 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 621,949.00 | 3.21 |
| G15015-G15013 | 8 | 312 | 0.006 | 5.4 | 2,280.04 | 0.56 | 447 | 445 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 738,967.79 | 3.81 |
| C03039-C03037 | 8 | 212 | 0.024 | 2.2 | 364.93 | 0.56 | 695 | 690 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,417,440.64 | 7.31 |
| G14033-G14031 | 8 | 248 | 0.008 | 5.5 | 1,046.56 | 0.56 | 434 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 828,851.95 | 4.27 |
| H11023-H11021 | 8 | 221 | 0.005 | 4.6 | 2,149.74 | 0.56 | 371 | 370 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 620,857.13 | 3.20 |
| C06101-C06099 | 8 | 155 | 0.019 | 2.4 | 441.47 | 0.56 | 649 | 646 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,284,051.92 | 6.62 |
| F04001-G04097 | 8 | 355 | 0.006 | 4.3 | 1,992.96 | 0.56 | 509 | 507 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 692,769.29 | 3.57 |
| J07095-J07093 | 8 | 161 | 0.019 | 1.9 | 522.33 | 0.56 | 419.43 | 416.39 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,268,269.83 | 6.54 |
| D06083-D06081 | 8 | 250 | 0.004 | 5.4 | 3,085.48 | 0.56 | 552 | 551 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 583,737.78 | 3.01 |
| G07035-G07033 | 8 | 180 | 0.006 | 5.4 | 2,432.24 | 0.56 | 451 | 450 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 687,941.57 | 3.55 |
| D03053-D03051 | 8 | 303 | 0.003 | 6.5 | 4,374.88 | 0.56 | 623 | 622 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 530,232.68 | 2.73 |
| F08077-F08075 | 8 | 249 | 0.002 | 8.1 | 5,365.86 | 0.56 | 437 | 436.44 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 437,705.64 | 2.26 |
| F03061-F04013 | 8 | 308 | 0.003 | 6.4 | 3,953.04 | 0.56 | 523 | 522 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 525,911.24 | 2.71 |
| G04137-G04135 | 8 | 325 | 0.003 | 6.6 | 4,349.78 | 0.56 | 501 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 511,971.90 | 2.64 |
| G07053-G07051 | 8 | 303 | 0.003 | 9.2 | 3,945.19 | 0.56 | 455 | 454 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 530,232.68 | 2.73 |
| E12099-E12097 | 8 | 176 | 0.006 | 5 | 2,385.38 | 0.56 | 408 | 407 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 695,715.17 | 3.59 |
| F14039-F14037 | 8 | 64 | 0.016 | 2.5 | 540.24 | 0.56 | 442 | 441 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,153,713.09 | 5.95 |
| H12081-J12047 | 8 | 350 | 0.003 | 9.1 | 5,852.31 | 0.56 | 364 | 363 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 493,348.47 | 2.54 |
| C02110-C02045 | 8 | 198.9 | 0.004 | 7.6 | 6,927.59 | 0.56 | 637.59 | 636.9 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 598,674.04 | 3.09 |
| G09001-G10015 | 10 | 202 | 0.002 | 6.6 | 6,502.91 | 0.56 | 411 | 410.5 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 832,575.88 | 2.58 |
| F13027-F13017 | 8 | 132 | 0.008 | 3.9 | 1,080.49 | 0.56 | 403 | 402 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 803,342.68 | 4.14 |
| C02017-C02015 | 8 | 294 | 0.007 | 9.7 | 1,824.67 | 0.56 | 636 | 634 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 761,253.22 | 3.93 |
| G07013-G07011 | 8 | 257 | 0.004 | 6.4 | 3,648.36 | 0.56 | 456 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 575,733.16 | 2.97 |
| J12081-J12079 | 12 | 276 | 0.002 | 6.2 | 8,666.84 | 0.57 | 360.44 | 359.76 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,350,717.15 | 2.61 |
| K14081-K14079 | 8 | 287 | 0.002 | 10.5 | 8,410.47 | 0.57 | 337 | 336.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 385,240.43 | 1.99 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| H11165-H11113 | 8 | 588 | 0.007 | 13.9 | 1,960.20 | 0.57 | 373 | 369 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 761,253.22 | 3.93 |
| D13009-D13007 | 8 | 182 | 0.003 | 6.8 | 4,910.98 | 0.57 | 425.62 | 425 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 538,701.22 | 2.78 |
| G05129-G05127 | 8 | 249 | 0.004 | 5.9 | 3,163.77 | 0.57 | 490 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 584,908.77 | 3.02 |
| L14007-L14005 | 8 | 300 | 0.003 | 6.9 | 3,663.85 | 0.57 | 323 | 322 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 532,877.25 | 2.75 |
| E04135-E04133 | 8 | 346 | 0.006 | 4.5 | 1,992.96 | 0.57 | 539 | 537 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 701,721.46 | 3.62 |
| F04029-F04027 | 12 | 352 | 0.009 | 2.4 | 1,594.37 | 0.57 | 518 | 515 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,512,197.58 | 4.86 |
| B01050-B01031 | 8 | 0 | 0.025 | 2.1 | 719.85 | 0.57 | 682.12 | 675.45 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,450,670.71 | 7.48 |
| D16085-D16083 | 8 | 150 | 0.007 | 8 | 1,987.82 | 0.57 | 482 | 481 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 753,602.23 | 3.89 |
| H11149-H11147 | 8 | 211 | 0.005 | 5 | 2,149.74 | 0.57 | 384 | 383 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 635,399.08 | 3.28 |
| G04125-G04119 | 8 | 164 | 0.012 | 4.7 | 797.19 | 0.57 | 499 | 497 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,019,250.38 | 5.26 |
| E11157-E11155 | 8 | 94 | 0.011 | 4 | 1,216.39 | 0.57 | 406 | 405 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 951,971.35 | 4.91 |
| G10019-G10017 | 8 | 69 | 0.007 | 3.4 | 1,538.17 | 0.57 | 413 | 412.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 785,684.64 | 4.05 |
| F02007-F02005 | 8 | 117 | 0.006 | 4 | 2,022.51 | 0.57 | 534.73 | 534.05 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 703,638.08 | 3.63 |
| F14033-F14031 | 8 | 267 | 0.008 | 3.8 | 1,046.02 | 0.57 | 437.84 | 435.61 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 843,499.07 | 4.35 |
| E03097-E03095 | 8 | 149 | 0.007 | 4.2 | 1,966.11 | 0.57 | 568 | 567 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 756,126.87 | 3.90 |
| E12069-E12067 | 8 | 225 | 0.002 | 15.4 | 7,920.72 | 0.57 | 414 | 413.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 435,092.45 | 2.24 |
| H13079-H13077 | 10 | 17 | 0.001 | 9.7 | 11,241.00 | 0.57 | 383.02 | 383 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 573,990.95 | 1.78 |
| F05137-F05131 | 8 | 202 | 0.005 | 6 | 2,382.18 | 0.57 | 501 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 649,399.76 | 3.35 |
| F03069-F04017 | 8 | 294 | 0.003 | 6.3 | 3,951.67 | 0.57 | 518 | 517 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 538,287.31 | 2.78 |
| G05023-G05021 | 8 | 303 | 0.01 | 4 | 2,475.86 | 0.57 | 482 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 918,389.95 | 4.74 |
| D07153-D07151 | 8 | 221 | 0.005 | 6 | 2,875.62 | 0.57 | 475 | 474 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 620,857.13 | 3.20 |
| C01038-C01036 | 8 | 300 | 0.006 | 4.6 | 2,880.75 | 0.57 | 668.63 | 666.74 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 731,367.17 | 3.77 |
| G09009-G09001 | 8 | 215 | 0.005 | 6.4 | 2,787.74 | 0.57 | 412 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 629,460.64 | 3.25 |
| E03133-E03101 | 8 | 147 | 0.007 | 11.3 | 1,966.11 | 0.57 | 567 | 566 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 761,253.22 | 3.93 |
| H13075-H13073 | 10 | 337 | 0.012 | 5.1 | 810.37 | 0.57 | 380 | 376 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,823,180.02 | 5.64 |
| E13119-E12137 | 8 | 206 | 0.005 | 5.7 | 3,173.51 | 0.57 | 412 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 643,064.00 | 3.32 |
| E13037-D13061 | 8 | 198 | 0.005 | 10.1 | 2,812.19 | 0.57 | 427 | 426 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,926.55 | 3.38 |
| G09135-G09131 | 8 | 402 | 0.005 | 6.2 | 2,982.56 | 0.57 | 423 | 421 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 651,013.18 | 3.36 |
| F15087-F15073 | 8 | 124 | 0.008 | 5.7 | 1,590.25 | 0.58 | 465 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 828,851.95 | 4.27 |
| F05141-F05129 | 8 | 188 | 0.002 | 10.6 | 9,333.72 | 0.58 | 499.35 | 499 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 398,238.19 | 2.05 |
| G05137-G05093 | 8 | 343 | 0.006 | 17.9 | 2,100.37 | 0.58 | 483 | 481 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 704,783.53 | 3.63 |
| E07153-E07151 | 8 | 275 | 0.007 | 5.4 | 1,824.18 | 0.58 | 473 | 471 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 787,111.86 | 4.06 |
| B01016-B01014 | 8 | 164 | 0.033 | 1.5 | 364.01 | 0.58 | 682.85 | 677.46 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,673,247.81 | 8.63 |
| E11001-E10051 | 8 | 322 | 0.006 | 20.2 | 1,600.89 | 0.58 | 418 | 416 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 727,402.63 | 3.75 |
| G09003-G09001 | 8 | 241 | 0.004 | 6.6 | 3,290.87 | 0.58 | 412 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 594,537.55 | 3.07 |
| C02071-D02041 | 8 | 343 | 0.012 | 3.1 | 1,093.66 | 0.58 | 628 | 624 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 996,714.42 | 5.14 |
| C01046-C01044 | 8 | 300 | 0.013 | 2.7 | 1,083.99 | 0.58 | 647.95 | 643.94 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,063,546.60 | 5.49 |
| F09121-F09119 | 8 | 119 | 0.008 | 3.7 | 1,074.87 | 0.58 | 435 | 434 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 846,085.64 | 4.36 |
| E05085-E05083 | 8 | 252 | 0.004 | 6.7 | 3,932.23 | 0.58 | 531 | 530 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 581,416.75 | 3.00 |
| J14125-J14123 | 8 | 278 | 0.002 | 11.7 | 8,847.31 | 0.58 | 336.5 | 336 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 391,426.67 | 2.02 |
| F06037-F06031 | 8 | 282 | 0.011 | 3 | 1,216.12 | 0.58 | 480 | 477 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 951,971.35 | 4.91 |
| G04117-G04115 | 8 | 157 | 0.013 | 4 | 797.19 | 0.58 | 499 | 497 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,041,724.74 | 5.37 |
| E09015-E09013 | 10 | 241 | 0.004 | 7.1 | 3,191.81 | 0.58 | 436 | 435 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,077,968.29 | 3.34 |
| C07067-C07065 | 8 | 242 | 0.012 | 2.7 | 771.27 | 0.58 | 528 | 525 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,027,639.41 | 5.30 |
| C02105-C02103 | 8 | 165 | 0.027 | 2.1 | 1,054.46 | 0.58 | 671.45 | 666.98 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,514,563.63 | 7.81 |
| E14141-E14139 | 10 | 280 | 0.004 | 5.5 | 4,952.25 | 0.58 | 446 | 445 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,000,081.73 | 3.09 |
| E05047-E05045 | 8 | 427 | 0.007 | 4.1 | 1,966.11 | 0.58 | 541 | 538 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 773,632.13 | 3.99 |
| H12073-H12071 | 8 | 350 | 0.003 | 8.7 | 6,887.05 | 0.58 | 365 | 364 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 493,348.47 | 2.54 |
| E07115-E07113 | 8 | 332 | 0.006 | 5.2 | 2,432.24 | 0.58 | 488 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 716,364.02 | 3.69 |
| F15043-F15041 | 8 | 60 | 0.017 | 2.1 | 540.24 | 0.58 | 443 | 441.99 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,197,492.68 | 6.18 |
| E15095-E14033 | 8 | 241 | 0.008 | 5.3 | 1,590.25 | 0.58 | 455 | 453 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 840,803.06 | 4.34 |
| G04139-G04137 | 8 | 325 | 0.006 | 5.2 | 1,992.96 | 0.58 | 503 | 501 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 724,037.61 | 3.73 |
| E11097-E11095 | 8 | 188 | 0.003 | 8.3 | 6,736.01 | 0.58 | 414 | 413.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 475,985.68 | 2.45 |
| E08097-E08095 | 8 | 246 | 0.004 | 6.8 | 4,207.72 | 0.58 | 464 | 463 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 588,464.48 | 3.03 |
| C01040-C01038 | 8 | 140 | 0.006 | 4.6 | 2,890.73 | 0.58 | 669.51 | 668.63 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 731,754.03 | 3.77 |
| D16037-D16035 | 8 | 140 | 0.007 | 3.7 | 1,987.82 | 0.58 | 501 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 780,052.42 | 4.02 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| D01047-D01045 | 8 | 249 | 0.008 | 3.9 | 1,643.28 | 0.58 | 613 | 611 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 827,185.92 | 4.27 |
| H05069-H05067 | 8 | 168 | 0.012 | 3 | 915.96 | 0.58 | 451 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,007,043.35 | 5.19 |
| H11101-H11099 | 8 | 285 | 0.004 | 6.7 | 3,224.60 | 0.58 | 380 | 379 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 546,720.52 | 2.82 |
| F14011-F14009 | 8 | 304 | 0.005 | 4.5 | 2,339.38 | 0.58 | 440 | 438.44 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 661,170.27 | 3.41 |
| J11141-J11139 | 8 | 209 | 0.005 | 5.5 | 3,766.09 | 0.58 | 371 | 370 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 638,432.03 | 3.29 |
| E03047-E03045 | 8 | 292 | 0.01 | 7.3 | 1,310.74 | 0.58 | 566 | 563 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 935,528.47 | 4.82 |
| E02078-E02077 | 8 | 76 | 0.004 | 7 | 5,388.77 | 0.59 | 561.23 | 560.96 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 546,542.99 | 2.82 |
| F07045-F07041 | 8 | 328 | 0.003 | 7.8 | 5,975.08 | 0.59 | 465 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 509,625.19 | 2.63 |
| H11013-H11011 | 8 | 153 | 0.013 | 4 | 980.1 | 0.59 | 367 | 365 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,055,254.20 | 5.44 |
| E13041-D13059 | 8 | 198 | 0.005 | 10.3 | 3,239.06 | 0.59 | 425 | 424 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,926.55 | 3.38 |
| E12077-E12075 | 8 | 175 | 0.006 | 5.3 | 2,782.94 | 0.59 | 416 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 697,700.10 | 3.60 |
| C01001-C02069 | 8 | 266 | 0.008 | 4.1 | 1,824.67 | 0.59 | 636 | 634 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 800,316.90 | 4.13 |
| E06133-E06127 | 8 | 131 | 0.008 | 5.5 | 1,824.18 | 0.59 | 497 | 496 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 806,403.05 | 4.16 |
| F06031-F06029 | 8 | 203 | 0.01 | 3.3 | 1,782.15 | 0.59 | 477 | 475 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 916,125.11 | 4.72 |
| G08083-G08081 | 8 | 243 | 0.003 | 26.8 | 6,019.76 | 0.59 | 446 | 445.29 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 498,900.39 | 2.57 |
| F14143-F13121 | 8 | 263 | 0.008 | 4.1 | 1,981.53 | 0.59 | 430 | 428 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 804,868.50 | 4.15 |
| G09011-G09009 | 8 | 274 | 0.007 | 4.2 | 1,756.17 | 0.59 | 414 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 788,546.89 | 4.07 |
| J11107-J11105 | 8 | 208 | 0.004 | 6.5 | 4,506.35 | 0.59 | 375.8 | 375 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 572,401.99 | 2.95 |
| F06099-F06097 | 8 | 369 | 0.003 | 8.2 | 6,622.53 | 0.59 | 489 | 488 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 480,479.24 | 2.48 |
| B02007-B02003 | 8 | 295 | 0.019 | 2.2 | 1,063.90 | 0.59 | 688.38 | 682.61 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,286,463.56 | 6.63 |
| D18053-D18051 | 12 | 295 | 0.003 | 5.7 | 10,144.55 | 0.59 | 532.73 | 531.7 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,607,948.38 | 3.11 |
| F11035-F11033 | 8 | 323 | 0.006 | 7.9 | 2,458.94 | 0.59 | 405 | 403 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 726,275.75 | 3.75 |
| D07053-D07051 | 8 | 276 | 0.011 | 2.4 | 991.27 | 0.59 | 514 | 511 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 962,263.24 | 4.96 |
| E11117-E11115 | 8 | 234 | 0.009 | 4.1 | 1,590.25 | 0.59 | 421 | 419 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 853,286.50 | 4.40 |
| F10081-F10079 | 8 | 318 | 0.003 | 20.6 | 4,173.25 | 0.59 | 410 | 409 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 517,576.14 | 2.67 |
| H06025-H06023 | 8 | 327 | 0.007 | 4.3 | 1,910.39 | 0.59 | 446.6 | 444.4 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 757,051.23 | 3.90 |
| F14145-F14143 | 8 | 263 | 0.011 | 3.1 | 1,192.69 | 0.59 | 433 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 985,758.57 | 5.08 |
| D02065-D02063 | 8 | 343 | 0.003 | 7.6 | 5,835.23 | 0.59 | 613 | 612 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 498,357.21 | 2.57 |
| D07023-D07021 | 8 | 298 | 0.007 | 3.7 | 1,866.36 | 0.59 | 514 | 512 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 756,126.87 | 3.90 |
| E14015-E14013 | 15 | 301 | 0.007 | 3 | 3,174.52 | 0.59 | 451 | 449 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,021,822.96 | 5.19 |
| E13051-E13049 | 8 | 49 | 0.02 | 2.4 | 788.68 | 0.59 | 421 | 420 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,318,529.25 | 6.80 |
| F15031-F15029 | 8 | 295 | 0.01 | 3.1 | 1,042.82 | 0.59 | 457 | 454 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 930,759.39 | 4.80 |
| F13099-F13097 | 8 | 299 | 0.01 | 4.1 | 1,552.70 | 0.59 | 417 | 414 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 924,512.61 | 4.77 |
| F09051-F09049 | 8 | 337 | 0.009 | 42.5 | 1,099.17 | 0.59 | 432 | 429 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 870,830.20 | 4.49 |
| G15003-G15001 | 8 | 198 | 0.01 | 2.8 | 1,058.62 | 0.59 | 435 | 433 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 927,620.23 | 4.78 |
| F08037-F08017 | 8 | 281 | 0.003 | 14.1 | 4,547.85 | 0.59 | 437 | 436.2 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 492,469.84 | 2.54 |
| J11113-J11111 | 8 | 132 | 0.008 | 4.4 | 1,991.49 | 0.59 | 378 | 377 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 803,342.68 | 4.14 |
| D03095-D03093 | 8 | 221 | 0.018 | 2 | 729.87 | 0.59 | 608 | 604 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,241,714.25 | 6.40 |
| F08025-F08023 | 8 | 239.00 | 0.008 | 4.7 | 1,190.51 | 0.59 | 444 | 442 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 844,313.74 | 4.35 |
| D03077-D03075 | 8 | 301 | 0.003 | 7 | 5,102.20 | 0.59 | 624 | 623 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 531,991.34 | 2.74 |
| E07095-E07093 | 8 | 200 | 0.005 | 6.3 | 2,875.62 | 0.59 | 474 | 473 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 652,638.68 | 3.37 |
| E14127-E14125 | 8 | 86 | 0.012 | 4.2 | 1,192.69 | 0.59 | 433 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 995,264.66 | 5.13 |
| E05137-F05081 | 8 | 266 | 0.004 | 6.7 | 3,947.97 | 0.59 | 517 | 516 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 565,909.51 | 2.92 |
| F07075-F07073 | 8 | 255 | 0.004 | 6.8 | 4,221.89 | 0.59 | 470 | 469 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 577,986.53 | 2.98 |
| G13117-G13077 | 8 | 375.00 | 0.005 | 21.3 | 1,890.85 | 0.59 | 382 | 380 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 674,042.33 | 3.48 |
| E13047-E13045 | 8 | 300 | 0.003 | 7.4 | 5,926.46 | 0.59 | 419 | 418 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 532,877.25 | 2.75 |
| F13129-F13125 | 8 | 114 | 0.009 | 4.9 | 1,590.25 | 0.59 | 413 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 864,441.05 | 4.46 |
| F05155-F05143 | 8 | 216 | 0.01 | 4.9 | 1,191.19 | 0.59 | 503 | 500.77 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 937,806.77 | 4.84 |
| D04047-D04045 | 8 | 267 | 0.007 | 5.8 | 1,966.11 | 0.59 | 565 | 563 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 798,816.77 | 4.12 |
| E05133-F05083 | 8 | 267 | 0.004 | 7 | 3,956.23 | 0.59 | 519 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 564,848.76 | 2.91 |
| G12033-G12063 | 10 | 258 | 0.004 | 4.6 | 3,654.42 | 0.59 | 386 | 385 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,041,848.70 | 3.22 |
| F02086-F02084 | 8 | 162 | 0.004 | 6.5 | 3,999.73 | 0.6 | 541.23 | 540.4 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 564,352.39 | 2.91 |
| E11067-E11065 | 10 | 347 | 0.004 | 38.1 | 5,926.52 | 0.6 | 408 | 406.72 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,016,376.83 | 3.15 |
| C02097-C02088 | 8 | 300 | 0.029 | 2.2 | 364.93 | 0.6 | 668.79 | 660 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,577,244.41 | 8.13 |
| E03013-E03011 | 8 | 85 | 0.005 | 5 | 3,254.08 | 0.6 | 550.46 | 550 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 678,980.44 | 3.50 |
| J12075-J12029 | 21 | 152 | 0.002 | 67.9 | 20,325.08 | 0.6 | 357.68 | 357.4 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 5,194,254.00 | 3.35 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| E17029-E17027 | 8 | 263 | 0.008 | 4.5 | 1,987.82 | 0.6 | 510 | 508 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 804,868.50 | 4.15 |
| E11015-E10055 | 8 | 389 | 0.003 | 16.7 | 5,369.45 | 0.6 | 422 | 421 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 467,964.61 | 2.41 |
| F16073-F16071 | 8 | 112 | 0.009 | 3.6 | 1,590.25 | 0.6 | 486 | 485 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 872,125.12 | 4.50 |
| G12027-G12025 | 8 | 274 | 0.004 | 16.6 | 3,394.07 | 0.6 | 383 | 382 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 557,586.85 | 2.88 |
| F14101-F14099 | 8 | 219 | 0.018 | 2.7 | 795.13 | 0.6 | 449 | 445 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,247,371.29 | 6.43 |
| F16067-F16065 | 8 | 131 | 0.004 | 7 | 4,755.27 | 0.6 | 484 | 483.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 570,213.06 | 2.94 |
| C01052-C01050 | 8 | 300 | 0.019 | 1.9 | 729.87 | 0.6 | 665.02 | 659.34 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,267,881.68 | 6.54 |
| G04047-G04045 | 8 | 298 | 0.007 | 9.1 | 4,866.90 | 0.6 | 486 | 484 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 756,126.87 | 3.90 |
| E10011-E10009 | 15 | 127 | 0.004 | 3.1 | 5,006.14 | 0.6 | 418.5 | 418 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,095,810.30 | 3.99 |
| F07097-F07095 | 8 | 116 | 0.002 | 12.6 | 13,010.21 | 0.6 | 480 | 479.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 383,242.63 | 1.98 |
| E03009-E03007 | 8 | 389 | 0.008 | 5.9 | 1,966.11 | 0.6 | 551 | 548 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 810,538.47 | 4.18 |
| J11153-J11151 | 8 | 101 | 0.006 | 6.3 | 2,776.79 | 0.6 | 373.43 | 372.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 728,949.42 | 3.76 |
| E03261-E03259 | 8 | 292 | 0.01 | 3.1 | 1,195.78 | 0.6 | 546 | 543 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 935,528.47 | 4.82 |
| F14123-F14117 | 6 | 123 | 0.008 | 5.7 | 1,590.25 | 0.6 | 445 | 444 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 386,425.06 | 2.99 |
| G05121-G05119 | 8 | 247 | 0.008 | 3.9 | 1,594.37 | 0.6 | 496 | 494 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 830,528.10 | 4.28 |
| G10013-F10039 | 10 | 348 | 0.003 | 6.7 | 7,672.62 | 0.6 | 410 | 409 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 897,067.01 | 2.78 |
| E14119-E14117 | 8 | 237 | 0.009 | 4.2 | 1,588.73 | 0.6 | 434.19 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 887,228.92 | 4.58 |
| E13121-E13119 | 8 | 219 | 0.009 | 4.1 | 1,590.25 | 0.6 | 414 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 882,024.70 | 4.55 |
| F12003-G12075 | 8 | 359 | 0.006 | 4.9 | 1,890.85 | 0.6 | 390 | 388 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 688,899.04 | 3.55 |
| D03109-E03053 | 6 | 292 | 0.003 | 9.4 | 4,587.60 | 0.6 | 574 | 573 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 250,799.36 | 1.94 |
| D03123-E03069 | 6 | 292 | 0.003 | 9.4 | 4,587.60 | 0.6 | 571 | 570 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 250,799.36 | 1.94 |
| C04007-C05015 | 8 | 292 | 0.003 | 7 | 5,109.07 | 0.6 | 648 | 647 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 540,127.61 | 2.79 |
| F05107-F05105 | 8 | 30 | 0.033 | 24.6 | 398.59 | 0.6 | 507 | 506 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,685,105.82 | 8.69 |
| F06077-F06075 | 8 | 173 | 0.001 | 20.6 | 26,096.17 | 0.6 | 490.13 | 489.97 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 280,688.58 | 1.45 |
| H11127-H11125 | 8 | 295 | 0.003 | 7.1 | 3,762.04 | 0.6 | 377 | 376 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 537,374.18 | 2.77 |
| E03169-E03143 | 8 | 60 | 0.008 | 4.6 | 2,527.86 | 0.6 | 556.5 | 556 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 842,552.91 | 4.35 |
| H11089-H11087 | 8 | 297 | 0.003 | 6.6 | 3,811.93 | 0.6 | 382 | 381 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 535,561.79 | 2.76 |
| J11161-J11077 | 8 | 574 | 0.01 | 15.1 | 1,470.15 | 0.6 | 371 | 365 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 943,642.49 | 4.87 |
| E05093-E05091 | 8 | 262 | 0.004 | 7.1 | 4,587.60 | 0.61 | 534 | 533 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 570,213.06 | 2.94 |
| E14013-E14011 | 15 | 301 | 0.003 | 11.2 | 7,755.87 | 0.61 | 449 | 448 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,843,858.29 | 3.67 |
| H11137-H11135 | 8 | 318 | 0.006 | 5.8 | 1,956.82 | 0.61 | 383 | 381 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 731,963.20 | 3.78 |
| G14037-G14035 | 8 | 327 | 0.006 | 6.4 | 2,809.65 | 0.61 | 437 | 435 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 721,820.03 | 3.72 |
| E07035-E07007 | 8 | 163 | 0.009 | 9.7 | 1,437.81 | 0.61 | 477.5 | 476 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 885,400.24 | 4.57 |
| F07003-F07001 | 8 | 179 | 0.006 | 11 | 3,532.04 | 0.61 | 452 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 689,860.52 | 3.56 |
| F09131-G09053 | 8 | 512 | 0.004 | 12.6 | 3,224.60 | 0.61 | 432 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| C07041-C07039 | 8 | 101 | 0.04 | 1.5 | 220.74 | 0.61 | 531 | 527 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,836,779.89 | 9.47 |
| F07047-F07045 | 8 | 354 | 0.008 | 5.5 | 1,824.18 | 0.61 | 468 | 465 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 849,663.19 | 4.38 |
| F15093-F15091 | 6 | 119 | 0.008 | 22.8 | 1,590.25 | 0.61 | 454 | 453 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 392,865.93 | 3.04 |
| K14079-J14123 | 8 | 259 | 0.002 | 11.9 | 10,060.59 | 0.61 | 336.5 | 336 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 405,529.94 | 2.09 |
| H12071-H12069 | 8 | 349 | 0.003 | 9.2 | 8,647.49 | 0.61 | 364 | 363 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 494,054.77 | 2.55 |
| E11143-E11141 | 8 | 287 | 0.007 | 5.3 | 2,385.38 | 0.61 | 420 | 418 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 770,480.86 | 3.97 |
| C06091-C06077 | 8 | 158 | 0.025 | 1.9 | 441.47 | 0.61 | 568 | 564 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,468,551.76 | 7.57 |
| E07023-E07021 | 12 | 400 | 0.003 | 8.9 | 8,851.13 | 0.61 | 491 | 490 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,360,612.64 | 2.63 |
| G03039-G03037 | 8 | 155 | 0.006 | 9.2 | 2,379.33 | 0.61 | 510 | 509 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 741,347.72 | 3.82 |
| D17033-D17031 | 8 | 147 | 0.006 | 5.3 | 2,752.61 | 0.61 | 527.95 | 527 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 741,977.85 | 3.83 |
| G09007-G09005 | 8 | 57 | 0.009 | 3.4 | 1,537.98 | 0.61 | 413 | 412.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 864,441.05 | 4.46 |
| F16057-F16055 | 8 | 226 | 0.004 | 6.7 | 4,745.05 | 0.61 | 489 | 488 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 613,950.83 | 3.17 |
| G09157-G09155 | 6 | 106 | 0.019 | 3.4 | 679.11 | 0.61 | 417 | 415 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 588,680.85 | 4.55 |
| F03019-G03061 | 8 | 356 | 0.008 | 4.3 | 1,594.37 | 0.61 | 513 | 510 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 847,273.13 | 4.37 |
| F12119-F12117 | 8 | 221.00 | 0.005 | 6 | 4,358.37 | 0.61 | 410 | 409 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 620,857.13 | 3.20 |
| G09133-G09131 | 8 | 193 | 0.005 | 6.4 | 3,575.94 | 0.61 | 422 | 421 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 664,368.68 | 3.43 |
| F15017-F15015 | 8 | 276 | 0.011 | 3 | 951.01 | 0.61 | 460 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 962,263.24 | 4.96 |
| G15025-G15009 | 8 | 310 | 0.003 | 7.7 | 5,390.41 | 0.61 | 440 | 439 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 524,212.00 | 2.70 |
| J11063-H11113 | 8 | 561 | 0.007 | 14.1 | 2,450.25 | 0.61 | 373 | 369 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 779,356.88 | 4.02 |
| D08093-D08091 | 8 | 340 | 0.018 | 3.1 | 809.4 | 0.61 | 476 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,226,094.58 | 6.32 |
| B02001-C02106 | 8 | 227 | 0.027 | 2.4 | 1,055.77 | 0.61 | 678.54 | 672.18 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,511,966.58 | 7.80 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| F06159-F06145 | 8 | 304 | 0.003 | 11.4 | 6,034.17 | 0.61 | 489 | 488 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 529,359.87 | 2.73 |
| E03113-E03111 | 8 | 251 | 0.004 | 7 | 5,665.53 | 0.61 | 573 | 572 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 582,573.80 | 3.00 |
| F02094-F02092 | 8 | 0 | 0.009 | 4.1 | 1,436.29 | 0.61 | 544 | 542.97 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 885,110.33 | 4.56 |
| F08009-F08007 | 8 | 259 | 0.012 | 3.3 | 993.32 | 0.61 | 454 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 993,341.44 | 5.12 |
| G09123-G09121 | 8 | 392 | 0.005 | 8.4 | 3,699.44 | 0.62 | 414 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 659,264.62 | 3.40 |
| E06137-E06135 | 8 | 358 | 0.006 | 5.8 | 3,040.30 | 0.62 | 497 | 495 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 689,860.52 | 3.56 |
| K14007-K14005 | 8 | 306 | 0.003 | 7.2 | 5,155.43 | 0.62 | 328 | 327 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 527,627.10 | 2.72 |
| E02070-E02064 | 8 | 339.9 | 0.003 | 8.8 | 5,923.93 | 0.62 | 560.47 | 559.45 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 505,531.75 | 2.61 |
| F04037-F04035 | 8 | 299 | 0.007 | 4.3 | 2,373.19 | 0.62 | 513 | 511 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 754,861.39 | 3.89 |
| E04157-F04171 | 8 | 255 | 0.012 | 7.4 | 1,188.67 | 0.62 | 534 | 531 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,001,102.04 | 5.16 |
| F09095-F09087 | 8 | 177 | 0.006 | 13 | 2,149.74 | 0.62 | 428 | 427 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 693,747.09 | 3.58 |
| G07019-F07059 | 8 | 345 | 0.006 | 6 | 3,017.78 | 0.62 | 470 | 468 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 702,737.71 | 3.62 |
| F03013-F03011 | 8 | 355 | 0.011 | 3.1 | 1,195.78 | 0.62 | 528 | 524 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 979,723.73 | 5.05 |
| F08147-F08101 | 8 | 247 | 0.004 | 24.8 | 4,819.23 | 0.62 | 451 | 450 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,272.05 | 3.03 |
| E04039-E04037 | 8 | 366 | 0.003 | 8.9 | 7,817.98 | 0.62 | 549 | 548 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 482,444.39 | 2.49 |
| F09099-F09097 | 8 | 297 | 0.003 | 10.2 | 4,296.70 | 0.62 | 427 | 426 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 535,561.79 | 2.76 |
| E04147-E04143 | 8 | 259 | 0.004 | 6.5 | 4,721.49 | 0.62 | 536 | 535 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 573,505.95 | 2.96 |
| F15123-F15099 | 6 | 260 | 0.008 | 22.6 | 1,987.82 | 0.62 | 466 | 464 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 375,877.36 | 2.91 |
| C02124-C02122 | 8 | 300 | 0.015 | 2.3 | 1,080.13 | 0.62 | 650.2 | 645.64 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,136,022.62 | 5.86 |
| J15025-J15023 | 8 | 261 | 0.004 | 9.8 | 4,548.72 | 0.62 | 332 | 331 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 571,304.38 | 2.95 |
| G05035-G05033 | 8 | 303 | 0.013 | 4.2 | 2,252.42 | 0.62 | 478 | 474 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,060,465.36 | 5.47 |
| H12025-H12023 | 8 | 410 | 0.008 | 34.3 | 1,350.61 | 0.62 | 373 | 369.59 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 841,730.51 | 4.34 |
| D12051-D12049 | 8 | 238 | 0.001 | 16.4 | 18,836.92 | 0.62 | 441.5 | 441.21 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 322,179.81 | 1.66 |
| G05047-G05045 | 8 | 172 | 0.012 | 4.4 | 3,058.43 | 0.62 | 479 | 477 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 995,264.66 | 5.13 |
| D05061-D05059 | 8 | 238 | 0.004 | 7.8 | 5,081.69 | 0.62 | 590 | 589 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 598,272.90 | 3.09 |
| D10137-D10135 | 8 | 362 | 0.003 | 13.4 | 5,761.13 | 0.62 | 432 | 431 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 485,102.51 | 2.50 |
| F08143-F08103 | 8 | 249 | 0.004 | 34.3 | 5,411.70 | 0.62 | 452 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 584,908.77 | 3.02 |
| F03057-F03055 | 8 | 353 | 0.006 | 5.4 | 3,137.81 | 0.62 | 517 | 515 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 694,729.04 | 3.58 |
| F16007-F16005 | 8 | 171 | 0.006 | 6.5 | 3,170.64 | 0.62 | 485 | 484 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 705,813.16 | 3.64 |
| J13009-J13007 | 8 | 78 | 0.013 | 3.9 | 1,046.81 | 0.62 | 339 | 338 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,045,058.27 | 5.39 |
| F08079-F08077 | 8 | 248 | 0.004 | 6.8 | 3,759.97 | 0.62 | 438 | 437 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 586,086.84 | 3.02 |
| E08089-E08087 | 8 | 189 | 0.005 | 5.8 | 3,627.56 | 0.62 | 462 | 461 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 671,362.23 | 3.46 |
| C03029-C03027 | 8 | 306 | 0.007 | 4.5 | 2,917.14 | 0.62 | 676 | 674 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 746,177.40 | 3.85 |
| F06029-F06027 | 8 | 261 | 0.011 | 3.3 | 1,763.11 | 0.62 | 475 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 989,528.21 | 5.10 |
| E16019-E16017 | 8 | 324 | 0.009 | 4.8 | 1,783.42 | 0.62 | 485 | 482 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 888,128.75 | 4.58 |
| F09057-F09055 | 8 | 293 | 0.014 | 2.7 | 836.98 | 0.62 | 426 | 422 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,078,410.21 | 5.56 |
| F06107-F06063 | 8 | 346 | 0.027 | 15.9 | 608.06 | 0.62 | 491 | 481.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,513,182.23 | 7.80 |
| K10011-K10009 | 12 | 300 | 0.002 | 13.4 | 50,930.38 | 0.62 | 377.55 | 376.85 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,314,476.69 | 2.54 |
| D10061-D10059 | 8 | 249 | 0.004 | 7.4 | 3,530.89 | 0.62 | 450 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 584,908.77 | 3.02 |
| G09167-G09165 | 6 | 100 | 0.02 | 3.5 | 679.11 | 0.62 | 420 | 418 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 606,084.03 | 4.69 |
| F06105-F06101 | 8 | 137 | 0.007 | 9.4 | 2,432.24 | 0.63 | 484 | 483 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 788,546.89 | 4.07 |
| C02092-C02090 | 8 | 300 | 0.035 | 1.2 | 364.93 | 0.63 | 665.86 | 655.32 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,721,419.82 | 8.88 |
| F12037-F12005 | 8 | 171 | 0.012 | 12.7 | 1,765.63 | 0.63 | 389 | 387 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 998,170.54 | 5.15 |
| E05143-E05141 | 8 | 264 | 0.008 | 4.2 | 1,992.96 | 0.63 | 515 | 513 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 803,342.68 | 4.14 |
| F08151-F08097 | 8 | 246 | 0.004 | 29.1 | 5,417.81 | 0.63 | 450 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 588,464.48 | 3.03 |
| E14099-E14095 | 8 | 250 | 0.004 | 8.4 | 5,545.81 | 0.63 | 437 | 436 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 583,737.78 | 3.01 |
| E11081-E11079 | 10 | 252 | 0.004 | 7.3 | 6,705.49 | 0.63 | 412 | 411 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,054,178.70 | 3.26 |
| E14045-E14113 | 8 | 257 | 0.012 | 3.7 | 1,590.25 | 0.63 | 446 | 443 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 997,199.09 | 5.14 |
| H06037-H06035 | 8 | 158 | 0.012 | 3.5 | 1,249.04 | 0.63 | 451.4 | 449.54 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,001,418.79 | 5.16 |
| E11103-E11097 | 8 | 143 | 0.007 | 6.3 | 2,778.50 | 0.63 | 415 | 414 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 771,826.68 | 3.98 |
| E08087-E08085 | 8 | 233 | 0.004 | 7.1 | 4,806.62 | 0.63 | 461 | 460 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 604,658.06 | 3.12 |
| F03043-F03041 | 8 | 366 | 0.003 | 8.7 | 7,459.69 | 0.63 | 525 | 524 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 482,444.39 | 2.49 |
| H06031-H06029 | 8 | 137 | 0.007 | 4.9 | 2,923.88 | 0.63 | 446.2 | 445.25 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 768,580.44 | 3.96 |
| E12137-E12135 | 8 | 228 | 0.004 | 6.3 | 4,751.56 | 0.63 | 411 | 410 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 611,252.13 | 3.15 |
| G09103-G09101 | 8 | 167 | 0.006 | 4 | 2,149.74 | 0.63 | 406 | 405 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 714,215.99 | 3.68 |
| H06045-H06043 | 8 | 276 | 0.007 | 4.3 | 2,380.52 | 0.63 | 451 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 785,684.64 | 4.05 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| E12079-E12061 | 8 | 227 | 0.004 | 11.8 | 4,373.20 | 0.63 | 412 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 612,597.02 | 3.16 |
| F11037-F11033 | 8 | 238 | 0.004 | 9.1 | 5,147.10 | 0.63 | 404 | 403 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 598,272.90 | 3.09 |
| D14129-D14127 | 8 | 48 | 0.021 | 2.9 | 795.13 | 0.63 | 475 | 474 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,332,193.13 | 6.87 |
| F13125-F13123 | 8 | 234 | 0.004 | 6.6 | 5,142.44 | 0.63 | 412 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 603,364.67 | 3.11 |
| C02033-C02027 | 8 | 257 | 0.023 | 3.5 | 729.12 | 0.63 | 653 | 647 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,410,252.48 | 7.27 |
| H13055-H13053 | 8 | 264 | 0.008 | 3.7 | 1,620.73 | 0.63 | 370 | 368 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 803,342.68 | 4.14 |
| G07033-G07029 | 8 | 237 | 0.004 | 7.4 | 4,837.88 | 0.63 | 450 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 599,533.75 | 3.09 |
| K13027-K13025 | 8 | 238 | 0.004 | 6.3 | 4,106.62 | 0.63 | 336 | 335 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 598,272.90 | 3.09 |
| G05155-G05151 | 8 | 104 | 0.019 | 2.2 | 797.19 | 0.63 | 489 | 487 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,279,929.75 | 6.60 |
| E06105-E06101 | 8 | 295 | 0.003 | 7.3 | 5,685.02 | 0.63 | 497 | 496 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 537,374.18 | 2.77 |
| E12081-E12061 | 8 | 72 | 0.014 | 10 | 1,192.69 | 0.63 | 412 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,087,731.13 | 5.61 |
| D15041-D15039 | 8 | 84 | 0.012 | 3.3 | 1,590.25 | 0.63 | 462 | 461 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,007,043.35 | 5.19 |
| E07139-E07137 | 8 | 249 | 0.004 | 7.4 | 5,407.04 | 0.63 | 468 | 467 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 584,908.77 | 3.02 |
| G09161-G09159 | 6 | 99 | 0.021 | 3.7 | 679.11 | 0.63 | 418 | 415.94 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 618,206.91 | 4.78 |
| J12051-J11053 | 8 | 143 | 0.014 | 11.2 | 1,225.13 | 0.63 | 369 | 367 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,091,527.76 | 5.63 |
| G09095-G09093 | 8 | 199 | 0.005 | 5.2 | 2,818.00 | 0.63 | 403 | 402 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 654,276.42 | 3.37 |
| F10041-F10039 | 8 | 298 | 0.01 | 5.7 | 1,428.63 | 0.63 | 412 | 409 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 926,062.51 | 4.78 |
| D02083-D02081 | 8 | 177 | 0.006 | 9.6 | 3,409.80 | 0.63 | 605 | 604 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 693,747.09 | 3.58 |
| F04091-F04073 | 8 | 199 | 0.005 | 8.1 | 3,173.15 | 0.63 | 519 | 517.91 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 683,084.64 | 3.52 |
| E12117-E12115 | 8 | 266 | 0.004 | 8.4 | 5,565.89 | 0.63 | 411 | 410 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 565,909.51 | 2.92 |
| F16065-F16015 | 8 | 138 | 0.004 | 18.8 | 6,334.73 | 0.64 | 483.5 | 483 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 555,562.94 | 2.87 |
| H05065-H05063 | 8 | 326 | 0.006 | 4.5 | 2,761.16 | 0.64 | 447 | 445 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 722,926.27 | 3.73 |
| F04047-F05015 | 8 | 300 | 0.003 | 7.4 | 5,910.18 | 0.64 | 509 | 508 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 532,877.25 | 2.75 |
| F02092-F02090 | 8 | 301 | 0.005 | 6.2 | 3,420.90 | 0.64 | 542.97 | 541.46 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,904.62 | 3.38 |
| E09071-E09069 | 8 | 378 | 0.029 | 34.8 | 442.04 | 0.64 | 433 | 422 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,574,483.99 | 8.12 |
| G04027-G04009 | 8 | 298 | 0.01 | 7.2 | 3,353.02 | 0.64 | 482 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 926,062.51 | 4.78 |
| F16071-F16069 | 8 | 62 | 0.008 | 4.8 | 2,381.77 | 0.64 | 485 | 484.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 828,851.95 | 4.27 |
| F06095-F06093 | 8 | 228 | 0.01 | 3.9 | 1,814.96 | 0.64 | 497.02 | 494.79 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 912,794.08 | 4.71 |
| F13139-F13137 | 8 | 252 | 0.012 | 3.9 | 1,468.21 | 0.64 | 416 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,007,043.35 | 5.19 |
| F15069-F15067 | 8 | 245 | 0.012 | 3.6 | 1,588.82 | 0.64 | 466 | 463 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,021,328.36 | 5.27 |
| E14081-E14079 | 8 | 110 | 0.009 | 3.9 | 1,987.82 | 0.64 | 436 | 435 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 880,017.82 | 4.54 |
| G04015-G04013 | 8 | 321 | 0.009 | 5.4 | 3,793.81 | 0.64 | 485 | 482 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 892,269.23 | 4.60 |
| K09001-K10011 | 12 | 301 | 0.002 | 13.4 | 50,949.65 | 0.64 | 378.26 | 377.55 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,321,631.63 | 2.56 |
| E03109-E03107 | 8 | 137 | 0.007 | 6.4 | 2,621.48 | 0.64 | 571 | 570 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 788,546.89 | 4.07 |
| E18045-E18043 | 8 | 186 | 0.022 | 2.7 | 795.13 | 0.64 | 542 | 538 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,353,509.57 | 6.98 |
| F04133-F04127 | 8 | 201 | 0.007 | 7 | 2,391.56 | 0.64 | 518.08 | 516.66 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 775,771.73 | 4.00 |
| D15021-D15019 | 8 | 246 | 0.012 | 4.3 | 1,590.25 | 0.64 | 486 | 483 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,019,250.38 | 5.26 |
| H12031-H12029 | 8 | 381 | 0.01 | 3 | 1,080.49 | 0.64 | 375 | 371 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 945,704.19 | 4.88 |
| J07153-J07151 | 8 | 344 | 0.01 | 3.4 | 1,536.84 | 0.64 | 416.18 | 412.57 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 945,501.42 | 4.88 |
| F04015-F04009 | 8 | 308 | 0.003 | 8.2 | 6,297.50 | 0.64 | 519 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 525,911.24 | 2.71 |
| F04095-F04071 | 8 | 199 | 0.006 | 8 | 3,173.15 | 0.64 | 518 | 516.88 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 692,421.08 | 3.57 |
| G05065-G05063 | 8 | 20 | 0.05 | 1.7 | 454.98 | 0.64 | 476 | 475 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,063,824.72 | 10.64 |
| F04019-F04005 | 8 | 307 | 0.003 | 9 | 6,297.77 | 0.64 | 513 | 512 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 526,767.07 | 2.72 |
| G13063-G13029 | 8 | 188 | 0.005 | 13.2 | 2,649.14 | 0.64 | 390 | 389 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 673,145.40 | 3.47 |
| F03049-F03023 | 8 | 364 | 0.003 | 10.7 | 7,857.54 | 0.64 | 517 | 516 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 483,767.98 | 2.49 |
| D08075-D08073 | 8 | 250 | 0.012 | 3.1 | 1,407.21 | 0.64 | 489 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,011,063.49 | 5.21 |
| G14081-G14079 | 8 | 140 | 0.021 | 2.4 | 540.24 | 0.64 | 430 | 427 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,351,090.43 | 6.97 |
| F13023-F13021 | 8 | 230 | 0.009 | 3.2 | 1,448.52 | 0.64 | 408 | 406 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 860,674.40 | 4.44 |
| F04059-F05009 | 8 | 304 | 0.003 | 9.7 | 6,297.91 | 0.64 | 504 | 503 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 529,359.87 | 2.73 |
| F04063-F04061 | 8 | 310 | 0.01 | 4.2 | 1,594.37 | 0.64 | 509 | 506 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 907,961.82 | 4.68 |
| E05075-E05073 | 8 | 256 | 0.004 | 27.1 | 5,866.90 | 0.64 | 527 | 526 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| H11059-H11057 | 8 | 315 | 0.006 | 5 | 2,149.74 | 0.64 | 385 | 383 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 735,440.48 | 3.79 |
| E11099-E11097 | 8 | 134 | 0.007 | 6.3 | 2,778.20 | 0.64 | 415 | 414 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 797,325.05 | 4.11 |
| E03187-E03185 | 8 | 83 | 0.012 | 3.6 | 1,933.49 | 0.64 | 562 | 561 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,013,091.71 | 5.22 |
| G11007-G11005 | 8 | 314 | 0.006 | 4.5 | 2,149.74 | 0.64 | 386 | 384 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 736,610.63 | 3.80 |
| D08107-D08105 | 8 | 289 | 0.003 | 8.2 | 5,751.25 | 0.64 | 471 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 542,923.81 | 2.80 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| D12021-D12019 | 8 | 401 | 0.007 | 4.9 | 2,696.78 | 0.65 | 435 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 798,318.60 | 4.12 |
| E04127-E04125 | 8 | 231 | 0.004 | 6.1 | 4,359.32 | 0.65 | 531 | 530 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 607,269.99 | 3.13 |
| G05041-G05039 | 8 | 134 | 0.007 | 6.2 | 6,060.17 | 0.65 | 473 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 797,325.05 | 4.11 |
| G05045-G05043 | 8 | 200 | 0.01 | 5.3 | 3,937.68 | 0.65 | 477 | 475 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 922,970.47 | 4.76 |
| F13083-F13081 | 8 | 400 | 0.004 | 7.4 | 6,326.17 | 0.65 | 421.59 | 419.99 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 583,737.78 | 3.01 |
| J14081-J14079 | 8 | 119 | 0.004 | 6.2 | 4,441.93 | 0.65 | 339.5 | 339 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 598,272.90 | 3.09 |
| J11009-J11007 | 8 | 231 | 0.009 | 4 | 2,312.98 | 0.65 | 383 | 381 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 858,809.45 | 4.43 |
| D01019-D02055 | 8 | 248 | 0.008 | 8.8 | 2,511.17 | 0.65 | 608 | 606 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 828,851.95 | 4.27 |
| F15021-F15019 | 8 | 313 | 0.01 | 3.9 | 1,566.00 | 0.65 | 461 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 903,600.09 | 4.66 |
| D19013-D19011 | 8 | 300 | 0.004 | 8.7 | 8,636.77 | 0.65 | 559.06 | 558.01 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 551,580.36 | 2.84 |
| E07151-E07147 | 8 | 265 | 0.004 | 8.7 | 6,050.01 | 0.65 | 471 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 566,976.25 | 2.92 |
| F06007-F06005 | 8 | 275 | 0.004 | 7.7 | 6,608.72 | 0.65 | 472 | 471 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 556,572.14 | 2.87 |
| E02077-E02075 | 8 | 0 | 0.004 | 7.1 | 5,770.96 | 0.65 | 560.96 | 559.76 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 603,149.91 | 3.11 |
| E07081-E07077 | 8 | 159 | 0.013 | 4.5 | 1,437.81 | 0.65 | 478 | 476 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,035,152.28 | 5.34 |
| F08043-G08009 | 8 | 280 | 0.004 | 7.9 | 4,832.01 | 0.65 | 434 | 433 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 551,580.36 | 2.84 |
| H13043-H13041 | 6 | 101 | 0.003 | 9.8 | 4,503.68 | 0.65 | 373.2 | 372.9 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 233,570.39 | 1.81 |
| F09093-F09091 | 8 | 82 | 0.012 | 11.5 | 1,074.87 | 0.65 | 432 | 431 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,019,250.38 | 5.26 |
| F03149-F03145 | 8 | 189 | 0.006 | 25.6 | 3,544.62 | 0.65 | 532.12 | 531 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 710,503.00 | 3.66 |
| L14029-L14027 | 8 | 234 | 0.004 | 8.6 | 4,844.35 | 0.65 | 315 | 314 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 603,364.67 | 3.11 |
| E16053-E15087 | 8 | 391 | 0.013 | 4.2 | 1,590.25 | 0.65 | 478 | 473 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,043,721.02 | 5.38 |
| G05017-G05015 | 8 | 320 | 0.009 | 5.3 | 4,557.81 | 0.65 | 483 | 480 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 893,662.32 | 4.61 |
| F03003-G03023 | 8 | 355 | 0.008 | 4.2 | 1,992.96 | 0.65 | 510 | 507 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 848,465.64 | 4.38 |
| F04097-F04095 | 8 | 200 | 0.01 | 4 | 1,594.37 | 0.65 | 520 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 922,970.47 | 4.76 |
| F04093-F04091 | 8 | 200 | 0.01 | 4 | 1,594.37 | 0.65 | 521 | 519 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 922,970.47 | 4.76 |
| C03057-C03055 | 8 | 165 | 0.024 | 2.3 | 729.87 | 0.65 | 639 | 635 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,437,063.08 | 7.41 |
| D07025-D07023 | 8 | 215 | 0.009 | 3.5 | 1,649.46 | 0.65 | 516 | 514 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 890,191.77 | 4.59 |
| H13039-H13023 | 6 | 112 | 0.003 | 15.9 | 5,421.05 | 0.65 | 372.6 | 372.3 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 221,804.04 | 1.72 |
| E08101-E08099 | 8 | 68 | 0.015 | 3.6 | 1,216.12 | 0.65 | 466 | 465 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,119,266.10 | 5.77 |
| E14043-E14097 | 8 | 310 | 0.01 | 4.1 | 1,987.82 | 0.65 | 444 | 441 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 907,961.82 | 4.68 |
| K14047-K14045 | 8 | 256 | 0.004 | 7.4 | 5,363.07 | 0.65 | 330 | 329 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| E17046-E17038 | 8 | 279 | 0.003 | 10.2 | 8,280.44 | 0.65 | 521.33 | 520.38 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 538,576.63 | 2.78 |
| J08015-J08005 | 8 | 327 | 0.002 | 23.3 | 17,293.91 | 0.65 | 401.55 | 401 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 378,525.62 | 1.95 |
| F15111-F15109 | 8 | 279 | 0.004 | 9.3 | 6,745.02 | 0.65 | 478 | 477 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 552,567.97 | 2.85 |
| C02080-C02031 | 8 | 177.1 | 0.01 | 4.8 | 3,255.21 | 0.65 | 651.25 | 650 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 922,970.47 | 4.76 |
| G09153-G09139 | 8 | 146 | 0.021 | 5.7 | 1,018.66 | 0.65 | 421 | 418 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,323,037.05 | 6.82 |
| H12029-H12027 | 12 | 107 | 0.008 | 22.8 | 2,090.15 | 0.65 | 371 | 370.12 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,467,822.65 | 4.77 |
| J12071-J12069 | 8 | 317 | 0.006 | 5.7 | 3,903.69 | 0.65 | 366 | 364 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 733,116.80 | 3.78 |
| H11135-H11133 | 8 | 345 | 0.003 | 7.8 | 6,252.32 | 0.66 | 381 | 380 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 496,910.60 | 2.56 |
| E07143-E07141 | 8 | 193 | 0.01 | 4.2 | 1,824.18 | 0.66 | 471 | 469 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 939,559.20 | 4.85 |
| E03001-E04039 | 8 | 361 | 0.006 | 7.1 | 3,932.23 | 0.66 | 551 | 549 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 686,988.08 | 3.54 |
| F18021-F18017 | 8 | 304 | 0.01 | 4.8 | 1,987.82 | 0.66 | 543 | 540 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 916,878.19 | 4.73 |
| E19001-D19013 | 8 | 0 | 0.003 | 8.8 | 8,668.02 | 0.66 | 560.11 | 559.06 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 536,293.17 | 2.77 |
| H13081-H13069 | 8 | 384 | 0.008 | 6.2 | 1,620.73 | 0.66 | 378 | 374.75 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 849,109.84 | 4.38 |
| G04009-G04001 | 8 | 248 | 0.004 | 10 | 12,197.47 | 0.66 | 479 | 478 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 586,086.84 | 3.02 |
| G09113-G09111 | 8 | 171 | 0.006 | 4.5 | 2,682.14 | 0.66 | 406 | 405 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 705,813.16 | 3.64 |
| F05003-F05001 | 10 | 288 | 0.007 | 5.8 | 3,314.01 | 0.66 | 500 | 498 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,394,547.34 | 4.32 |
| F08069-F08067 | 8 | 224 | 0.004 | 6.1 | 3,759.83 | 0.66 | 442 | 441 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 616,685.59 | 3.18 |
| E05005-E05003 | 8 | 256 | 0.004 | 8.8 | 5,628.91 | 0.66 | 528 | 527 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| F03181-F03179 | 8 | 268 | 0.007 | 6.8 | 2,753.33 | 0.66 | 540 | 538 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 797,325.05 | 4.11 |
| C06083-C06081 | 8 | 243 | 0.033 | 1.3 | 441.47 | 0.66 | 595 | 587 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,674,671.63 | 8.64 |
| G15049-G15043 | 8 | 230 | 0.013 | 3.4 | 1,080.49 | 0.66 | 467 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,054,106.56 | 5.44 |
| G03001-G04061 | 8 | 254 | 0.004 | 10 | 12,171.23 | 0.66 | 491 | 490 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 579,123.18 | 2.99 |
| J13011-J13007 | 8 | 96 | 0.01 | 4.3 | 1,570.22 | 0.66 | 339 | 338 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 942,002.79 | 4.86 |
| E05135-E05133 | 8 | 260 | 0.008 | 5 | 2,391.56 | 0.66 | 521 | 519 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 809,498.65 | 4.17 |
| H11077-H11075 | 8 | 342 | 0.003 | 8.7 | 6,934.87 | 0.66 | 380 | 379 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 499,085.27 | 2.57 |
| J11105-J11103 | 8 | 208 | 0.005 | 6.9 | 5,463.36 | 0.66 | 375 | 374 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 639,964.88 | 3.30 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|-------------------------------------|-------------------------------------|----------------|-----------------------------|
| G07011-F07019 | 8 | 242 | 0.004 | 9.3 | 6,023.69 | 0.66 | 455 | 454 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 593,307.89 | 3.06 |
| B01010-C01040 | 8 | 115 | 0.009 | 4.4 | 2,896.76 | 0.66 | 670.41 | 669.51 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 858,602.98 | 4.43 |
| F07111-F07109 | 8 | 301 | 0.003 | 10.5 | 7,296.71 | 0.66 | 476 | 475 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 531,991.34 | 2.74 |
| E03015-E03013 | 8 | 353 | 0.01 | 4.2 | 1,966.11 | 0.66 | 554 | 550.46 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 924,276.87 | 4.77 |
| G04121-G04119 | 8 | 354 | 0.006 | 6.2 | 3,560.31 | 0.66 | 499 | 497 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 693,747.09 | 3.58 |
| E12071-E12069 | 8 | 120 | 0.004 | 8.2 | 5,944.13 | 0.66 | 414.5 | 414 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 595,774.88 | 3.07 |
| G04119-G04113 | 8 | 261 | 0.004 | 7.3 | 5,888.75 | 0.66 | 497 | 496 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 571,304.38 | 2.95 |
| F06087-F06085 | 8 | 231 | 0.006 | 7.4 | 4,226.45 | 0.66 | 498.87 | 497.59 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 687,047.56 | 3.54 |
| C02029-C02027 | 8 | 257 | 0.008 | 5.2 | 4,289.44 | 0.66 | 649 | 647 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 814,209.65 | 4.20 |
| G05117-G05115 | 8 | 278 | 0.004 | 7.5 | 6,290.67 | 0.66 | 492 | 491 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 553,560.90 | 2.85 |
| C06109-C06107 | 8 | 268 | 0.034 | 1.7 | 441.47 | 0.66 | 552 | 543 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,691,381.85 | 8.72 |
| H13027-H13025 | 8 | 221 | 0.001 | 14.5 | 15,343.31 | 0.66 | 372.9 | 372.6 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 340,057.45 | 1.75 |
| G05151-G05143 | 8 | 348 | 0.014 | 70.2 | 1,188.56 | 0.66 | 487 | 482 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,106,326.17 | 5.71 |
| F08093-F08091 | 8 | 270 | 0.007 | 5.1 | 3,040.30 | 0.66 | 451 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 794,366.50 | 4.10 |
| B02003-B02001 | 8 | 122 | 0.033 | 2 | 1,055.87 | 0.66 | 682.61 | 678.54 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,678,929.48 | 8.66 |
| D08103-D08101 | 8 | 275 | 0.004 | 8.8 | 5,943.78 | 0.66 | 469 | 468 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 556,572.14 | 2.87 |
| D04023-D04021 | 8 | 246 | 0.016 | 2.9 | 1,094.80 | 0.66 | 611 | 607 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,176,928.96 | 6.07 |
| D16069-D16067 | 8 | 313 | 0.003 | 8.6 | 8,032.43 | 0.66 | 493 | 492 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 521,693.76 | 2.69 |
| F15007-F15005 | 8 | 332 | 0.009 | 3.8 | 1,825.48 | 0.66 | 453 | 450 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 877,363.16 | 4.52 |
| G10077-G10075 | 8 | 256 | 0.004 | 6.7 | 4,357.55 | 0.66 | 393 | 392 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| D15059-D15057 | 8 | 160 | 0.004 | 6.8 | 5,667.68 | 0.66 | 493.7 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 610,487.58 | 3.15 |
| F18041-F18039 | 8 | 234 | 0.004 | 7 | 5,939.16 | 0.66 | 547 | 546 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 603,364.67 | 3.11 |
| E14129-E14125 | 8 | 339 | 0.009 | 4.9 | 2,385.38 | 0.66 | 435 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 868,257.58 | 4.48 |
| F16055-F16053 | 8 | 227 | 0.004 | 7.7 | 6,319.18 | 0.66 | 488 | 487 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 612,597.02 | 3.16 |
| G13127-G13125 | 8 | 355 | 0.009 | 3.7 | 1,620.73 | 0.66 | 384 | 380.9 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 862,490.81 | 4.45 |
| F15125-F15097 | 6 | 245 | 0.008 | 24.4 | 2,385.38 | 0.66 | 462 | 460 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 387,212.88 | 3.00 |
| D17037-D17033 | 8 | 236 | 0.04 | 2.8 | 397.56 | 0.66 | 537.33 | 527.95 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,840,065.26 | 9.49 |
| G08075-G08073 | 8 | 241 | 0.004 | 29.1 | 6,033.20 | 0.66 | 445 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 594,537.55 | 3.07 |
| F01017-F01015 | 8 | 448 | 0.003 | 8.4 | 7,526.86 | 0.67 | 528.92 | 527.52 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 515,956.18 | 2.66 |
| E16011-D16083 | 8 | 235 | 0.004 | 9.6 | 5,759.76 | 0.67 | 482 | 481 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 602,079.55 | 3.11 |
| H13041-H13039 | 6 | 100 | 0.003 | 10.4 | 4,964.54 | 0.67 | 372.9 | 372.6 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 234,735.34 | 1.82 |
| E15085-E15083 | 8 | 261 | 0.004 | 11.6 | 7,118.41 | 0.67 | 470 | 469 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 571,304.38 | 2.95 |
| G07007-F07015 | 8 | 242 | 0.004 | 10.9 | 6,036.34 | 0.67 | 453 | 452 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 593,307.89 | 3.06 |
| D03019-D03017 | 8 | 190 | 0.005 | 9.4 | 5,437.15 | 0.67 | 602 | 601 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 669,593.16 | 3.45 |
| C04017-D04017 | 8 | 242 | 0.017 | 2.9 | 1,094.80 | 0.67 | 621 | 617 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,186,615.78 | 6.12 |
| H04021-H04019 | 8 | 261 | 0.004 | 12.8 | 16,289.51 | 0.67 | 475 | 474 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 571,304.38 | 2.95 |
| E08095-E08093 | 8 | 248 | 0.004 | 8.2 | 6,581.71 | 0.67 | 463 | 462 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 586,086.84 | 3.02 |
| K14001-K13013 | 8 | 319 | 0.002 | 12.6 | 13,558.02 | 0.67 | 324 | 323.4 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 400,283.87 | 2.06 |
| K11009-K11007 | 8 | 259 | 0.008 | 4.5 | 3,073.01 | 0.67 | 371 | 369 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 811,059.89 | 4.18 |
| E06149-E06147 | 8 | 276 | 0.011 | 4.8 | 1,824.18 | 0.67 | 491 | 488 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 962,263.24 | 4.96 |
| F13107-F13105 | 8 | 256 | 0.008 | 7 | 2,922.41 | 0.67 | 417 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 815,798.35 | 4.21 |
| J12055-J12053 | 8 | 451 | 0.007 | 46.3 | 3,660.27 | 0.67 | 362 | 359 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 752,766.29 | 3.88 |
| E14079-E13083 | 8 | 245 | 0.008 | 4.8 | 2,778.78 | 0.67 | 435 | 433 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 833,911.12 | 4.30 |
| G03011-G03001 | 8 | 224 | 0.009 | 7.7 | 4,686.89 | 0.67 | 493 | 491 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 872,125.12 | 4.50 |
| G13035-G13033 | 8 | 225 | 0.009 | 3.5 | 1,620.73 | 0.67 | 395 | 393 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 870,184.91 | 4.49 |
| H09017-H09015 | 8 | 391 | 0.008 | 5.3 | 3,146.67 | 0.67 | 422 | 419 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 808,462.83 | 4.17 |
| G13081-G13079 | 8 | 377 | 0.008 | 17.9 | 1,890.85 | 0.67 | 385 | 382 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 823,337.24 | 4.25 |
| H11163-H11115 | 8 | 199 | 0.01 | 14 | 2,433.24 | 0.67 | 372 | 370 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 925,286.59 | 4.77 |
| E03139-E03137 | 8 | 212 | 0.005 | 6.8 | 5,218.39 | 0.67 | 568 | 567 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 633,898.72 | 3.27 |
| E12075-E12071 | 8 | 100 | 0.005 | 6.6 | 4,760.97 | 0.67 | 415 | 414.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 652,638.68 | 3.37 |
| E05083-E05081 | 8 | 252 | 0.004 | 26.5 | 6,517.47 | 0.67 | 530 | 529 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 581,416.75 | 3.00 |
| G09093-G09091 | 8 | 43 | 0.005 | 7.5 | 3,889.31 | 0.67 | 402 | 401.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 629,460.64 | 3.25 |
| E03059-E03057 | 8 | 537 | 0.004 | 7.9 | 7,157.78 | 0.67 | 574 | 572 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 563,268.76 | 2.91 |
| J11131-J11125 | 8 | 337 | 0.006 | 9 | 4,464.86 | 0.67 | 378.92 | 377 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 696,664.16 | 3.59 |
| G09175-G09163 | 6 | 100 | 0.02 | 4.2 | 848.88 | 0.67 | 419 | 417 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 606,084.03 | 4.69 |
| E09065-E09063 | 8 | 290 | 0.003 | 7.3 | 5,396.84 | 0.67 | 422 | 421 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 541,986.92 | 2.80 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| E07111-E07109 | 8 | 329 | 0.003 | 8.8 | 8,383.92 | 0.67 | 484 | 482.9 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 533,686.48 | 2.75 |
| E18097-E18095 | 8 | 188 | 0.011 | 3.8 | 1,985.72 | 0.67 | 538 | 536 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 951,971.35 | 4.91 |
| F13133-F13131 | 8 | 250 | 0.004 | 7.7 | 6,995.88 | 0.67 | 409 | 408 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 583,737.78 | 3.01 |
| D17075-D17073 | 12 | 266 | 0.001 | 20.9 | 80,022.46 | 0.67 | 512.5 | 512.25 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 834,245.14 | 1.61 |
| F09055-F09053 | 8 | 298 | 0.01 | 7.5 | 1,631.12 | 0.67 | 422 | 419 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 926,062.51 | 4.78 |
| G12055-G12019 | 8 | 161 | 0.004 | 18.5 | 5,463.75 | 0.67 | 381 | 380.41 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 558,728.56 | 2.88 |
| E17055-E17046 | 8 | 186 | 0.003 | 8.6 | 8,301.45 | 0.67 | 521.98 | 521.33 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 545,617.15 | 2.81 |
| D14025-D14023 | 8 | 188 | 0.041 | 1.6 | 397.56 | 0.67 | 530.8 | 523 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,879,992.79 | 9.70 |
| D13005-D13003 | 8 | 216 | 0.005 | 12.7 | 6,416.75 | 0.67 | 424 | 423 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 628,001.86 | 3.24 |
| G07031-G07029 | 8 | 187 | 0.016 | 5.4 | 1,216.12 | 0.67 | 452 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,169,035.32 | 6.03 |
| G08047-G08045 | 8 | 318 | 0.006 | 5.2 | 2,687.17 | 0.67 | 437 | 435 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 731,963.20 | 3.78 |
| D05040-D05039 | 10 | 331 | 0.009 | 4.5 | 2,628.46 | 0.67 | 558 | 555 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,593,166.40 | 4.93 |
| E1145-E11109 | 8 | 145 | 0.007 | 45.7 | 3,573.04 | 0.67 | 415 | 414 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 766,485.26 | 3.95 |
| D18013-D18011 | 8 | 161 | 0.005 | 9 | 10,518.57 | 0.68 | 520.93 | 520.19 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 625,735.41 | 3.23 |
| F10009-F10007 | 8 | 252 | 0.004 | 7.1 | 5,880.16 | 0.68 | 415 | 414 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 581,416.75 | 3.00 |
| E02075-E02060 | 8 | 394.9 | 0.005 | 10.1 | 6,509.17 | 0.68 | 559.76 | 557.91 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 632,449.07 | 3.26 |
| F07073-F07071 | 8 | 240 | 0.004 | 8.2 | 6,592.53 | 0.68 | 469 | 468 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 595,774.88 | 3.07 |
| H11069-H11067 | 8 | 359 | 0.004 | 7.3 | 4,688.63 | 0.68 | 387 | 385.6 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,374.29 | 2.97 |
| E07103-E07101 | 8 | 245 | 0.004 | 8.1 | 6,616.90 | 0.68 | 483 | 482 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 589,664.20 | 3.04 |
| B01086-B01084 | 8 | 244 | 0.046 | 1.9 | 364.93 | 0.68 | 702.85 | 691.59 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,982,723.20 | 10.23 |
| E18111-E18109 | 8 | 99 | 0.01 | 3.7 | 2,374.97 | 0.68 | 540 | 539 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 927,620.23 | 4.78 |
| H05035-H05027 | 8 | 253 | 0.004 | 11.7 | 14,742.40 | 0.68 | 464 | 463 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 580,266.56 | 2.99 |
| G08039-G08037 | 8 | 142 | 0.014 | 3.4 | 1,074.87 | 0.68 | 439 | 437 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,095,364.43 | 5.65 |
| F04039-F04037 | 8 | 337 | 0.015 | 3.3 | 1,195.78 | 0.68 | 518 | 513 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,124,236.96 | 5.80 |
| G13023-G13021 | 8 | 87 | 0.023 | 2.3 | 631.74 | 0.68 | 402 | 400 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,399,404.22 | 7.22 |
| C03015-C03013 | 12 | 295 | 0.031 | 1.3 | 728.66 | 0.68 | 669 | 660 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 4,753,075.85 | 9.19 |
| F04081-F04079 | 8 | 66 | 0.023 | 4.2 | 797.19 | 0.68 | 524.6 | 523.08 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,400,675.83 | 7.22 |
| L14031-L14029 | 8 | 207 | 0.005 | 6.3 | 5,001.62 | 0.68 | 316 | 315 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 641,508.82 | 3.31 |
| C06039-C06035 | 8 | 249 | 0.004 | 8.9 | 5,751.25 | 0.68 | 542 | 541 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 584,908.77 | 3.02 |
| F08075-F08073 | 8 | 248 | 0.003 | 9.2 | 7,503.54 | 0.68 | 436.44 | 435.69 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 507,566.09 | 2.62 |
| J11103-J11093 | 8 | 216 | 0.005 | 7.6 | 6,661.69 | 0.68 | 374 | 373 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 628,001.86 | 3.24 |
| G09121-G09119 | 8 | 416 | 0.002 | 15.9 | 12,589.45 | 0.68 | 412 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 452,523.50 | 2.33 |
| F03017-G03057 | 8 | 356 | 0.011 | 4.2 | 1,594.37 | 0.68 | 515 | 511 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 978,346.74 | 5.05 |
| C01032-C01030 | 8 | 277.2 | 0.014 | 3.8 | 2,819.86 | 0.68 | 659.8 | 655.93 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,088,982.48 | 5.62 |
| F05131-F05129 | 8 | 265 | 0.004 | 8 | 6,669.08 | 0.68 | 500 | 499 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 566,976.25 | 2.92 |
| E07073-E07071 | 8 | 283 | 0.007 | 4.7 | 2,875.62 | 0.68 | 491 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 775,906.85 | 4.00 |
| J11123-J11121 | 8 | 146 | 0.014 | 4 | 1,790.17 | 0.68 | 382 | 380 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,080,255.23 | 5.57 |
| E14037-E14035 | 8 | 243 | 0.008 | 6.1 | 3,167.67 | 0.68 | 439 | 437 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 837,335.82 | 4.32 |
| F02087-F02086 | 8 | 270 | 0.006 | 5.4 | 3,233.92 | 0.68 | 542.6 | 541.23 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 740,215.69 | 3.82 |
| D07029-D07015 | 8 | 108 | 0.019 | 3.6 | 879.12 | 0.68 | 499 | 497 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,256,003.72 | 6.48 |
| F06003-F06001 | 8 | 247 | 0.004 | 8 | 7,682.36 | 0.68 | 470 | 469 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,272.05 | 3.03 |
| G13021-G13019 | 8 | 245 | 0.01 | 3.4 | 1,450.62 | 0.68 | 400 | 397.46 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 939,770.10 | 4.85 |
| C01048-C01046 | 8 | 300 | 0.023 | 2.3 | 1,089.24 | 0.68 | 654.93 | 647.95 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,407,845.16 | 7.26 |
| E06119-E06117 | 8 | 213 | 0.009 | 6 | 2,432.24 | 0.68 | 501 | 499 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 894,361.31 | 4.61 |
| D18017-D18015 | 8 | 278 | 0.004 | 8.9 | 10,153.36 | 0.68 | 523.5 | 522.27 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 613,928.74 | 3.17 |
| L13045-L13043 | 8 | 101 | 0.002 | 10.3 | 10,262.15 | 0.68 | 333.75 | 333.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 459,194.97 | 2.37 |
| H11099-H11097 | 8 | 306 | 0.003 | 8.3 | 6,442.89 | 0.68 | 379 | 378 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 527,627.10 | 2.72 |
| E06125-E06121 | 8 | 212 | 0.009 | 4.7 | 2,432.24 | 0.68 | 506 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 896,468.17 | 4.62 |
| E08085-E08083 | 8 | 247 | 0.004 | 8.5 | 7,179.38 | 0.69 | 460 | 459 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,272.05 | 3.03 |
| D12029-D12027 | 8 | 303 | 0.007 | 14 | 3,800.51 | 0.69 | 436 | 434 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 749,862.25 | 3.87 |
| C02045-C02043 | 8 | 140 | 0.006 | 7.7 | 7,607.76 | 0.69 | 636.9 | 636 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 740,022.70 | 3.82 |
| H13033-H13031 | 8 | 193 | 0.002 | 13.2 | 13,172.58 | 0.69 | 373.8 | 373.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 363,889.71 | 1.88 |
| E05091-E05089 | 8 | 254 | 0.004 | 26.5 | 7,166.47 | 0.69 | 533 | 532 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 579,123.18 | 2.99 |
| E19003-E19001 | 8 | 300 | 0.003 | 8.8 | 8,704.39 | 0.69 | 561.16 | 560.11 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 546,036.70 | 2.82 |
| E14083-E14089 | 8 | 356 | 0.011 | 9.9 | 1,986.75 | 0.69 | 438 | 434.01 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 977,123.05 | 5.04 |
| K10009-J10003 | 12 | 258 | 0.003 | 19.6 | 50,894.95 | 0.69 | 376.85 | 376 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,561,939.14 | 3.02 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| F04127-F04123 | 8 | 253 | 0.003 | 10 | 9,871.48 | 0.69 | 516.66 | 515.99 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 474,968.65 | 2.45 |
| C03013-C03011 | 12 | 286 | 0.017 | 1.9 | 1,455.78 | 0.69 | 660 | 655 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,598,044.11 | 6.96 |
| G07087-G07085 | 8 | 310 | 0.003 | 10.6 | 9,684.33 | 0.69 | 454 | 453 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 524,212.00 | 2.70 |
| E14109-E14107 | 8 | 328 | 0.006 | 6.2 | 4,362.91 | 0.69 | 444 | 442 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 720,718.85 | 3.72 |
| F09101-F09099 | 8 | 296 | 0.01 | 4.8 | 1,612.30 | 0.69 | 430 | 427 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 929,185.83 | 4.79 |
| E03007-E03003 | 8 | 257 | 0.004 | 8.5 | 7,773.68 | 0.69 | 548 | 547 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 575,733.16 | 2.97 |
| F03055-F03021 | 8 | 356 | 0.006 | 10.3 | 4,685.00 | 0.69 | 515 | 513 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 691,795.62 | 3.57 |
| E14035-F14069 | 8 | 234 | 0.004 | 8 | 7,112.06 | 0.69 | 437 | 436 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 603,364.67 | 3.11 |
| G13135-H13089 | 8 | 272 | 0.011 | 8.4 | 1,350.61 | 0.69 | 380 | 377 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 969,312.88 | 5.00 |
| H13031-H13029 | 8 | 192 | 0.002 | 13.3 | 13,832.40 | 0.69 | 373.5 | 373.2 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 364,836.11 | 1.88 |
| F06053-F06051 | 8 | 314 | 0.01 | 4.7 | 2,432.24 | 0.69 | 485 | 482 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 902,160.09 | 4.65 |
| D13029-D13023 | 8 | 348 | 0.006 | 10.7 | 4,703.74 | 0.69 | 428 | 426 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 699,702.11 | 3.61 |
| G13019-G13017 | 8 | 86 | 0.008 | 4.7 | 2,227.22 | 0.69 | 397.46 | 396.77 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 826,728.91 | 4.26 |
| J11147-J11085 | 8 | 360 | 0.003 | 15.6 | 13,249.36 | 0.69 | 369 | 368 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 486,448.15 | 2.51 |
| D06041-D06039 | 8 | 353 | 0.006 | 5.9 | 4,283.43 | 0.69 | 569 | 567 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 694,729.04 | 3.58 |
| G07025-G07023 | 8 | 361 | 0.007 | 8.1 | 3,648.36 | 0.69 | 450 | 447.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 768,076.03 | 3.96 |
| E11093-E11091 | 8 | 238 | 0.004 | 8.2 | 7,501.86 | 0.69 | 413 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 598,272.90 | 3.09 |
| E18007-E18005 | 12 | 297 | 0.002 | 11.4 | 30,864.10 | 0.69 | 518.5 | 518 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,116,532.26 | 2.16 |
| E04129-E04127 | 8 | 342 | 0.012 | 4.5 | 1,594.37 | 0.69 | 535 | 531 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 998,170.54 | 5.15 |
| C07039-C07037 | 8 | 170 | 0.018 | 2.3 | 989.55 | 0.69 | 527 | 524 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,226,094.58 | 6.32 |
| F04175-F04173 | 8 | 206 | 0.005 | 9.7 | 4,763.99 | 0.69 | 534 | 533 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 643,064.00 | 3.32 |
| D02111-D02109 | 8 | 150 | 0.015 | 2.9 | 1,270.52 | 0.69 | 594.06 | 591.82 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,127,888.55 | 5.82 |
| F04179-F04177 | 8 | 205 | 0.005 | 8.9 | 4,762.69 | 0.69 | 536 | 535 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 644,630.54 | 3.32 |
| C06107-C06105 | 8 | 300 | 0.017 | 2.9 | 992.08 | 0.69 | 543 | 538 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,191,549.76 | 6.15 |
| D11067-E11053 | 8 | 297 | 0.015 | 3.6 | 1,564.98 | 0.69 | 432 | 427.59 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,124,679.75 | 5.80 |
| C01028-C01026 | 8 | 293.1 | 0.014 | 3.9 | 3,165.09 | 0.69 | 652.11 | 647.92 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,096,267.64 | 5.65 |
| E06145-F06103 | 8 | 365 | 0.003 | 10.8 | 11,435.60 | 0.69 | 486 | 485 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 483,104.82 | 2.49 |
| G12099-H12061 | 8 | 331 | 0.006 | 11.3 | 3,119.35 | 0.69 | 372 | 370 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 717,445.32 | 3.70 |
| E03251-F03177 | 8 | 204 | 0.005 | 8 | 4,763.28 | 0.69 | 538 | 537 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 646,208.59 | 3.33 |
| L13047-L13045 | 8 | 104 | 0.002 | 10.5 | 10,431.32 | 0.69 | 334 | 333.75 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 452,523.50 | 2.33 |
| E06037-E06035 | 8 | 234 | 0.004 | 8.2 | 5,751.25 | 0.69 | 495 | 494 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 603,364.67 | 3.11 |
| F13097-F13095 | 8 | 287 | 0.007 | 5.5 | 3,929.00 | 0.7 | 414 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 770,480.86 | 3.97 |
| D14119-D14117 | 8 | 194 | 0.005 | 8.7 | 5,545.77 | 0.7 | 472 | 471 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 662,654.18 | 3.42 |
| E07147-E07145 | 8 | 337 | 0.003 | 10.4 | 10,799.19 | 0.7 | 470 | 469 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 502,774.05 | 2.59 |
| G13001-G12033 | 8 | 331 | 0.006 | 5.1 | 3,137.45 | 0.7 | 388 | 386 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 717,445.32 | 3.70 |
| E06135-E06111 | 8 | 204 | 0.005 | 9.9 | 6,019.75 | 0.7 | 495 | 494 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 646,208.59 | 3.33 |
| H06023-H06021 | 8 | 328 | 0.007 | 6.5 | 3,495.24 | 0.7 | 444.4 | 442.2 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 755,896.31 | 3.90 |
| E17003-E18049 | 8 | 265 | 0.004 | 8.6 | 8,165.34 | 0.7 | 524 | 523 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 566,976.25 | 2.92 |
| F13109-F13105 | 8 | 241 | 0.002 | 13.2 | 15,665.15 | 0.7 | 415.5 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 420,401.53 | 2.17 |
| E12133-E12131 | 8 | 217 | 0.005 | 7.8 | 7,105.51 | 0.7 | 408 | 407 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 626,553.18 | 3.23 |
| L13027-L13025 | 8 | 153 | 0.003 | 9.3 | 9,415.21 | 0.7 | 330 | 329.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 527,627.10 | 2.72 |
| E03005-E03003 | 8 | 135 | 0.007 | 6.8 | 3,276.85 | 0.7 | 548 | 547 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 794,366.50 | 4.10 |
| E02080-E02078 | 8 | 329 | 0.005 | 6.6 | 5,050.38 | 0.7 | 563 | 561.23 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 675,954.51 | 3.49 |
| E04151-E04147 | 8 | 268 | 0.011 | 4.9 | 1,965.71 | 0.7 | 539 | 536 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 976,519.76 | 5.04 |
| E07093-E07089 | 8 | 269 | 0.004 | 11.9 | 7,121.08 | 0.7 | 473 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 562,745.03 | 2.90 |
| H08015-H08005 | 8 | 333 | 0.001 | 20.4 | 26,702.66 | 0.7 | 427.9 | 427.44 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 343,039.88 | 1.77 |
| D16045-D16043 | 8 | 140 | 0.004 | 8.5 | 8,226.56 | 0.7 | 495 | 494.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 551,580.36 | 2.84 |
| G12043-G12041 | 8 | 226 | 0.009 | 6.9 | 2,331.22 | 0.7 | 393 | 391 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 868,257.58 | 4.48 |
| E07137-E07135 | 8 | 247 | 0.004 | 8 | 7,768.53 | 0.7 | 467 | 466 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,272.05 | 3.03 |
| G13065-G13063 | 8 | 198 | 0.01 | 3.8 | 1,620.73 | 0.7 | 392 | 390 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 927,620.23 | 4.78 |
| D02075-D02073 | 8 | 280 | 0.011 | 4.6 | 2,189.60 | 0.7 | 621 | 618 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 955,365.20 | 4.93 |
| J14083-J14081 | 8 | 98 | 0.005 | 6 | 4,510.78 | 0.7 | 340 | 339.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 659,264.62 | 3.40 |
| H11029-H11027 | 8 | 192 | 0.005 | 5.4 | 3,710.22 | 0.7 | 372 | 371 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 666,096.56 | 3.44 |
| G07061-G07059 | 8 | 350 | 0.003 | 10.1 | 10,546.85 | 0.7 | 457 | 456 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 493,348.47 | 2.54 |
| G10045-G10043 | 8 | 285 | 0.004 | 8.2 | 6,141.25 | 0.7 | 403 | 402 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 546,720.52 | 2.82 |
| C01034-C01032 | 8 | 184 | 0.015 | 3.7 | 2,834.39 | 0.7 | 662.49 | 659.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,112,956.23 | 5.74 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| H11155-H11153 | 8 | 284 | 0.007 | 4.9 | 2,703.13 | 0.7 | 385 | 383 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 774,539.61 | 3.99 |
| H11147-H11145 | 8 | 200 | 0.005 | 6.6 | 4,296.32 | 0.7 | 383 | 382 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 652,638.68 | 3.37 |
| F14125-F14105 | 6 | 220 | 0.014 | 26.5 | 1,590.25 | 0.7 | 437 | 434 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 500,457.42 | 3.87 |
| E18041-E18039 | 8 | 276 | 0.007 | 5.4 | 3,963.00 | 0.7 | 535 | 533 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 785,684.64 | 4.05 |
| E09063-E09061 | 8 | 267 | 0.004 | 9.5 | 6,302.27 | 0.7 | 421 | 420 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 564,848.76 | 2.91 |
| P-5580 | 10 | 0 | 0.003 | 16.6 | 42,945.87 | 0.7 | 396.62 | 395.85 | | 0.5 | 717,378.86 | 2.22 |
| J14079-J14077 | 8 | 184 | 0.005 | 8.3 | 4,353.76 | 0.7 | 339 | 338 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 680,422.86 | 3.51 |
| F04045-F04043 | 8 | 326 | 0.012 | 4.6 | 1,594.37 | 0.7 | 511 | 507 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,022,372.13 | 5.27 |
| H11079-H11077 | 8 | 330 | 0.006 | 6.7 | 3,719.90 | 0.7 | 382 | 380 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 718,531.54 | 3.71 |
| D08097-D08001 | 8 | 241 | 0.008 | 44.2 | 2,646.37 | 0.7 | 453 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 840,803.06 | 4.34 |
| G08077-G08075 | 8 | 270 | 0.007 | 6 | 3,648.36 | 0.71 | 447 | 445 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 794,366.50 | 4.10 |
| G08089-G08087 | 8 | 270 | 0.007 | 5.5 | 3,648.36 | 0.71 | 446 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 794,366.50 | 4.10 |
| D03125-E03117 | 8 | 346 | 0.009 | 5 | 3,258.56 | 0.71 | 584 | 581 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 859,429.75 | 4.43 |
| F04061-F04059 | 8 | 326 | 0.006 | 6.5 | 3,961.48 | 0.71 | 506 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 722,926.27 | 3.73 |
| F10039-F10001 | 10 | 256 | 0.004 | 42.4 | 9,612.79 | 0.71 | 409 | 408 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,045,910.51 | 3.24 |
| C06067-C06065 | 8 | 307 | 0.026 | 1.8 | 661.77 | 0.71 | 575 | 567 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,489,922.27 | 7.68 |
| K14087-K14085 | 8 | 328 | 0.006 | 5.9 | 3,842.92 | 0.71 | 323 | 321 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 720,718.85 | 3.72 |
| D04073-D04071 | 8 | 223 | 0.031 | 2.6 | 729.87 | 0.71 | 581 | 574 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,635,250.90 | 8.43 |
| G13067-G12063 | 8 | 331 | 0.006 | 5.6 | 3,399.23 | 0.71 | 387 | 385 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 717,445.32 | 3.70 |
| F04107-F04105 | 8 | 281 | 0.007 | 5.8 | 3,547.70 | 0.71 | 532 | 530 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 778,663.19 | 4.02 |
| E12097-E12095 | 8 | 326 | 0.006 | 21.5 | 4,761.92 | 0.71 | 407 | 405 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 722,926.27 | 3.73 |
| F06013-F06011 | 8 | 170 | 0.009 | 5.1 | 3,040.30 | 0.71 | 475.5 | 474 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 866,979.79 | 4.47 |
| G08009-G08007 | 8 | 345 | 0.003 | 15.4 | 8,584.26 | 0.71 | 433 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 496,910.60 | 2.56 |
| K11011-K11005 | 18 | 322 | 0 | 33.9 | 414,931.75 | 0.71 | 363.5 | 363.36 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 1,672,928.08 | 1.44 |
| E01033-E01031 | 8 | 329 | 0.003 | 13.1 | 11,480.07 | 0.71 | 593.17 | 592.14 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 516,426.44 | 2.66 |
| F12131-F12129 | 8 | 235 | 0.004 | 8.2 | 8,288.74 | 0.71 | 409 | 408 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 602,079.55 | 3.11 |
| F02078-F02077 | 8 | 296 | 0.006 | 7.5 | 4,425.11 | 0.71 | 538.32 | 536.65 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 686,345.15 | 3.54 |
| H13061-H13059 | 8 | 264 | 0.008 | 6.9 | 2,613.28 | 0.71 | 371 | 369 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 803,342.68 | 4.14 |
| E05169-E05149 | 8 | 345 | 0.014 | 6.2 | 1,594.37 | 0.71 | 521 | 516 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,111,125.88 | 5.73 |
| F04057-F04055 | 8 | 316 | 0.013 | 4.6 | 1,594.37 | 0.71 | 513 | 509 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,038,422.91 | 5.36 |
| D07139-D07137 | 8 | 328 | 0.003 | 10.2 | 9,353.27 | 0.71 | 496 | 495 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 509,625.19 | 2.63 |
| C07101-C07093 | 8 | 381 | 0.026 | 7 | 662.21 | 0.71 | 535 | 525 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,495,289.62 | 7.71 |
| J11149-J11147 | 8 | 308 | 0.003 | 10.8 | 11,610.73 | 0.71 | 370 | 369 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 525,911.24 | 2.71 |
| F13071-F13069 | 8 | 304 | 0.003 | 9.4 | 9,708.34 | 0.71 | 412 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 529,359.87 | 2.73 |
| D06051-D06049 | 8 | 164 | 0.006 | 6.6 | 4,313.44 | 0.71 | 560 | 559 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 720,718.85 | 3.72 |
| D18015-D18013 | 8 | 265 | 0.005 | 8.9 | 10,533.90 | 0.71 | 522.27 | 520.93 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 656,322.46 | 3.38 |
| E07101-E07099 | 8 | 263 | 0.004 | 9.2 | 8,969.22 | 0.71 | 482 | 481 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 569,127.97 | 2.94 |
| D05081-D05079 | 10 | 345 | 0.003 | 8.6 | 13,808.18 | 0.71 | 588 | 587 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 900,958.86 | 2.79 |
| F04027-F04025 | 12 | 351 | 0.009 | 3 | 3,556.90 | 0.72 | 515 | 512 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,515,773.67 | 4.87 |
| E03181-E03179 | 8 | 81 | 0.012 | 3.7 | 2,548.95 | 0.72 | 559 | 558 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,025,522.75 | 5.29 |
| C01024-C01022 | 8 | 178 | 0.016 | 3.9 | 3,159.73 | 0.72 | 645.2 | 642.35 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,167,885.42 | 6.02 |
| F04067-F04065 | 8 | 305 | 0.007 | 5.9 | 3,948.10 | 0.72 | 504 | 502 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 747,399.64 | 3.85 |
| G09115-G09105 | 8 | 225 | 0.004 | 7.4 | 4,836.90 | 0.72 | 404 | 403 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 615,313.65 | 3.17 |
| G15033-G15031 | 8 | 258 | 0.016 | 2.9 | 1,080.49 | 0.72 | 434 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,149,232.63 | 5.93 |
| H13053-H13051 | 8 | 264 | 0.008 | 7 | 2,624.32 | 0.72 | 368 | 366 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 803,342.68 | 4.14 |
| F14129-F14127 | 6 | 171 | 0.018 | 3.9 | 1,192.69 | 0.72 | 430 | 427 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 567,649.70 | 4.39 |
| F03051-F03049 | 8 | 363 | 0.006 | 7.4 | 4,738.37 | 0.72 | 519 | 517 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 685,092.94 | 3.53 |
| G09081-G09079 | 8 | 88 | 0.011 | 4.3 | 1,612.30 | 0.72 | 404 | 403 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 983,889.83 | 5.07 |
| G07009-G07007 | 8 | 257 | 0.008 | 6 | 3,648.36 | 0.72 | 455 | 453 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 814,209.65 | 4.20 |
| D03093-D03091 | 8 | 292 | 0.021 | 3 | 1,093.58 | 0.72 | 604 | 598 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,323,037.05 | 6.82 |
| E03179-E03177 | 8 | 79 | 0.013 | 4 | 2,542.49 | 0.72 | 558 | 557 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,038,422.91 | 5.36 |
| H11075-J11033 | 8 | 320 | 0.003 | 9.5 | 9,063.97 | 0.72 | 379 | 378 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 515,956.18 | 2.66 |
| E16081-E16079 | 8 | 210 | 0.002 | 13.7 | 17,037.89 | 0.72 | 500 | 499.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 450,363.48 | 2.32 |
| D10139-D10137 | 8 | 356 | 0.006 | 6.4 | 3,626.85 | 0.72 | 434 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 691,795.62 | 3.57 |
| F08073-G08025 | 8 | 250 | 0.003 | 10.1 | 10,174.76 | 0.72 | 435.69 | 435 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 484,889.02 | 2.50 |
| K08015-K09013 | 12 | 301 | 0.002 | 13.6 | 51,806.95 | 0.72 | 389.78 | 389.08 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,312,291.36 | 2.54 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| E18049-E18047 | 8 | 256 | 0.004 | 8.9 | 9,326.76 | 0.72 | 523 | 522 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| F03037-F03035 | 8 | 361 | 0.006 | 6.8 | 4,739.35 | 0.72 | 525 | 523 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 686,988.08 | 3.54 |
| F08067-F08065 | 8 | 225 | 0.004 | 7.2 | 5,366.50 | 0.72 | 441 | 440 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 615,313.65 | 3.17 |
| F12021-F12019 | 8 | 196 | 0.005 | 6.8 | 5,056.92 | 0.72 | 399 | 398 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 659,264.62 | 3.40 |
| G10055-G10039 | 8 | 222 | 0.005 | 12.9 | 4,836.90 | 0.72 | 402 | 401 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 619,457.22 | 3.19 |
| F16053-F16051 | 8 | 227 | 0.004 | 8.3 | 8,288.13 | 0.72 | 487 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 612,597.02 | 3.16 |
| D12005-D12003 | 8 | 187 | 0.009 | 5.1 | 3,196.65 | 0.72 | 425.7 | 424 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 880,017.82 | 4.54 |
| G14019-G14017 | 8 | 369 | 0.011 | 3.5 | 1,826.83 | 0.72 | 430 | 426 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 960,958.47 | 4.96 |
| F03029-F03027 | 8 | 363 | 0.006 | 6.8 | 4,749.24 | 0.72 | 522 | 520 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 685,092.94 | 3.53 |
| D02045-D02043 | 8 | 252 | 0.008 | 5.1 | 3,284.40 | 0.72 | 608 | 606 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 822,247.45 | 4.24 |
| E18039-E18037 | 8 | 143 | 0.007 | 5.6 | 4,742.15 | 0.72 | 533 | 532 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 771,826.68 | 3.98 |
| C01026-C01024 | 8 | 170 | 0.016 | 3.8 | 3,162.48 | 0.72 | 647.92 | 645.2 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,157,308.67 | 5.97 |
| J11157-J11155 | 8 | 265 | 0.008 | 5.4 | 3,982.84 | 0.72 | 377 | 375 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 801,825.51 | 4.14 |
| G08115-H08011 | 12 | 290 | 0.001 | 15.7 | 50,428.64 | 0.72 | 434 | 433.65 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 945,365.00 | 1.83 |
| F07163-F07161 | 8 | 131 | 0.015 | 3.2 | 1,824.18 | 0.72 | 467 | 465 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,140,426.12 | 5.88 |
| J07137-J07133 | 8 | 301 | 0.004 | 7.6 | 7,115.70 | 0.72 | 421.39 | 420.09 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 606,563.45 | 3.13 |
| E05067-E05065 | 8 | 298 | 0.003 | 25.8 | 9,856.10 | 0.72 | 524 | 523 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 534,662.44 | 2.76 |
| E03011-E03007 | 8 | 261 | 0.008 | 6.6 | 3,899.64 | 0.72 | 550 | 548 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 807,946.40 | 4.17 |
| D18049-D18047 | 12 | 300 | 0.008 | 5.2 | 10,110.61 | 0.72 | 529.31 | 526.96 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,408,450.93 | 4.66 |
| D07147-D07145 | 8 | 222 | 0.009 | 12.3 | 3,056.68 | 0.72 | 505 | 503 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 876,044.80 | 4.52 |
| G05039-G05005 | 8 | 103 | 0.01 | 10.1 | 6,469.55 | 0.72 | 472 | 471 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 909,429.83 | 4.69 |
| H08017-H08015 | 8 | 62 | 0.002 | 18.2 | 25,103.59 | 0.72 | 428 | 427.9 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 370,673.86 | 1.91 |
| E13081-E13079 | 8 | 356 | 0.006 | 12.4 | 5,932.79 | 0.72 | 431 | 429 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 691,795.62 | 3.57 |
| E18043-E18041 | 8 | 261 | 0.011 | 4.4 | 2,382.70 | 0.72 | 538 | 535 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 989,528.21 | 5.10 |
| G05133-G05127 | 8 | 198 | 0.01 | 5.1 | 2,383.15 | 0.73 | 491 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 927,620.23 | 4.78 |
| E18031-E18029 | 8 | 201 | 0.02 | 3.8 | 1,192.69 | 0.73 | 540 | 536 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,302,026.35 | 6.72 |
| E06147-E06145 | 8 | 356 | 0.006 | 8.5 | 5,446.19 | 0.73 | 488 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 691,795.62 | 3.57 |
| H11145-H11143 | 8 | 256 | 0.004 | 7.7 | 6,440.61 | 0.73 | 382 | 381 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| G04011-G04009 | 8 | 250 | 0.008 | 8.5 | 8,090.85 | 0.73 | 481 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 825,529.89 | 4.26 |
| E03071-E04103 | 8 | 334 | 0.009 | 5.8 | 3,276.85 | 0.73 | 559 | 556 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 874,732.38 | 4.51 |
| D08077-D08075 | 8 | 306 | 0.016 | 2.6 | 1,191.04 | 0.73 | 494 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,179,810.06 | 6.08 |
| E06127-E06113 | 8 | 210 | 0.005 | 10.1 | 7,183.10 | 0.73 | 496 | 495 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 636,910.14 | 3.28 |
| E18107-E18105 | 8 | 220 | 0.009 | 4.6 | 3,562.91 | 0.73 | 538 | 536 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 880,017.82 | 4.54 |
| F05147-F05145 | 8 | 194 | 0.01 | 5.6 | 2,378.10 | 0.73 | 504 | 502 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 937,134.53 | 4.83 |
| F14069-F14067 | 8 | 228 | 0.004 | 11.5 | 8,645.92 | 0.73 | 436 | 435 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 611,252.13 | 3.15 |
| E18055-E18051 | 8 | 368 | 0.004 | 8.9 | 10,195.77 | 0.73 | 529.8 | 528.15 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 618,024.75 | 3.19 |
| E07145-F07149 | 8 | 315 | 0.003 | 10.7 | 12,452.58 | 0.73 | 469 | 468 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 520,034.95 | 2.68 |
| F04189-F04145 | 8 | 24 | 0.042 | 24.3 | 398.59 | 0.73 | 521 | 520 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,884,005.59 | 9.72 |
| G13025-G13017 | 8 | 344 | 0.015 | 4 | 1,282.38 | 0.73 | 402 | 396.77 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,138,044.99 | 5.87 |
| E13093-E13075 | 8 | 185 | 0.002 | 22.6 | 24,064.74 | 0.73 | 426.32 | 426 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 383,863.60 | 1.98 |
| E02066-E02065 | 8 | 135 | 0.007 | 5.2 | 3,573.58 | 0.73 | 562.4 | 561.39 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 798,328.46 | 4.12 |
| E04165-F04179 | 8 | 200 | 0.01 | 4.9 | 2,391.56 | 0.73 | 538 | 536 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 922,970.47 | 4.76 |
| F04121-F04119 | 8 | 295 | 0.01 | 7.8 | 2,391.56 | 0.73 | 515.65 | 512.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 922,970.47 | 4.76 |
| G05119-G05117 | 8 | 253 | 0.008 | 6 | 3,167.99 | 0.73 | 494 | 492 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 820,620.84 | 4.23 |
| D02017-D02015 | 8 | 294 | 0.007 | 64.5 | 4,312.45 | 0.73 | 600 | 598 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 761,253.22 | 3.93 |
| E04119-F04107 | 8 | 214 | 0.009 | 4.5 | 2,774.81 | 0.73 | 534 | 532 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 892,269.23 | 4.60 |
| E18099-E18097 | 8 | 49 | 0.02 | 2.8 | 1,191.53 | 0.73 | 539 | 538 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,318,529.25 | 6.80 |
| F14097-F14095 | 8 | 221 | 0.009 | 4.9 | 3,566.99 | 0.73 | 442 | 440 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 878,024.57 | 4.53 |
| D05025-D05019 | 8 | 306 | 0.007 | 6.1 | 4,268.62 | 0.73 | 585 | 583 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 746,177.40 | 3.85 |
| F03065-F04015 | 8 | 290 | 0.007 | 6.4 | 3,951.37 | 0.73 | 521 | 519 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 766,485.26 | 3.95 |
| F16005-F16003 | 8 | 238 | 0.004 | 8.2 | 8,322.22 | 0.73 | 484 | 483 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 598,272.90 | 3.09 |
| F03073-F04019 | 8 | 290 | 0.007 | 6.4 | 3,951.67 | 0.73 | 515 | 513 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 766,485.26 | 3.95 |
| E05153-E05151 | 8 | 74 | 0.014 | 6.1 | 1,594.37 | 0.73 | 519 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,072,931.38 | 5.53 |
| E05159-E05157 | 8 | 74 | 0.014 | 5.3 | 1,594.37 | 0.73 | 521 | 520 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,072,931.38 | 5.53 |
| H05027-H05025 | 8 | 250 | 0.004 | 15.9 | 19,360.07 | 0.73 | 463 | 462 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 583,737.78 | 3.01 |
| E07149-E07147 | 8 | 266 | 0.011 | 6.9 | 2,432.24 | 0.73 | 473 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 980,184.02 | 5.06 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| C01022-C01020 | 8 | 101 | 0.016 | 4.9 | 3,501.92 | 0.73 | 642.35 | 640.71 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,159,025.69 | 5.98 |
| E11091-E11079 | 8 | 230 | 0.004 | 9.8 | 9,069.79 | 0.73 | 412 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 608,588.71 | 3.14 |
| H11093-H11091 | 8 | 310 | 0.003 | 9.6 | 7,940.71 | 0.73 | 382 | 381 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 524,212.00 | 2.70 |
| E16047-E16045 | 8 | 431 | 0.012 | 4.2 | 2,385.38 | 0.73 | 489 | 484 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 994,109.39 | 5.13 |
| H11097-J11045 | 8 | 304 | 0.003 | 9.4 | 8,579.19 | 0.73 | 378 | 377 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 529,359.87 | 2.73 |
| D05097-E05007 | 8 | 303 | 0.017 | 3.4 | 1,437.81 | 0.73 | 540 | 535 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,185,636.32 | 6.11 |
| E04121-E04119 | 8 | 220 | 0.014 | 3.5 | 1,594.37 | 0.73 | 537 | 534 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,077,797.31 | 5.56 |
| H06043-H06041 | 8 | 226 | 0.009 | 4.9 | 3,349.66 | 0.73 | 449 | 447 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 868,257.58 | 4.48 |
| G05069-G05067 | 8 | 253 | 0.012 | 6 | 5,035.51 | 0.73 | 470 | 467 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,005,051.17 | 5.18 |
| D18011-D18009 | 8 | 167 | 0.006 | 8.9 | 11,355.75 | 0.73 | 520.19 | 519.26 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 688,764.96 | 3.55 |
| E08033-E08021 | 8 | 345 | 0.003 | 10.4 | 8,819.07 | 0.73 | 449 | 448 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 496,910.60 | 2.56 |
| C02051-C02047 | 8 | 249 | 0.008 | 5 | 4,006.72 | 0.73 | 642 | 640 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 827,185.92 | 4.27 |
| K14041-K14039 | 8 | 259 | 0.002 | 14.2 | 17,668.71 | 0.73 | 327 | 326.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 405,529.94 | 2.09 |
| F01011-F02061 | 8 | 96 | 0.005 | 7.4 | 7,334.88 | 0.73 | 526.09 | 525.59 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 666,096.56 | 3.44 |
| E03257-E03255 | 8 | 292 | 0.014 | 4.2 | 1,594.37 | 0.73 | 545 | 541 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,080,255.23 | 5.57 |
| D13107-D13105 | 8 | 146 | 0.021 | 2.3 | 1,192.69 | 0.73 | 504 | 501 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,323,037.05 | 6.82 |
| J06079-J06077 | 8 | 72 | 0.004 | 7.6 | 6,872.08 | 0.73 | 427.25 | 426.95 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 595,774.88 | 3.07 |
| E18089-F18007 | 8 | 210 | 0.005 | 8.1 | 8,661.52 | 0.73 | 532 | 531 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 636,910.14 | 3.28 |
| E04063-E04061 | 8 | 129 | 0.008 | 5.6 | 3,932.23 | 0.74 | 550 | 549 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 812,630.19 | 4.19 |
| C07103-C07091 | 8 | 383 | 0.029 | 6.2 | 662.21 | 0.74 | 535 | 524 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,564,172.92 | 8.07 |
| D03059-D03057 | 8 | 315 | 0.016 | 3.3 | 1,824.67 | 0.74 | 596 | 591 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,162,833.49 | 6.00 |
| H11125-H11121 | 8 | 284 | 0.004 | 8.2 | 7,516.77 | 0.74 | 376 | 375 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 547,682.21 | 2.82 |
| D03121-D03113 | 6 | 498 | 0.006 | 9.1 | 4,587.60 | 0.74 | 580 | 577 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 332,631.83 | 2.57 |
| F18007-F18005 | 8 | 196 | 0.005 | 18.8 | 8,643.36 | 0.74 | 531 | 530 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 659,264.62 | 3.40 |
| K14045-K14043 | 8 | 246 | 0.004 | 9.6 | 7,761.86 | 0.74 | 329 | 328 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 588,464.48 | 3.03 |
| F09119-F09117 | 8 | 142 | 0.007 | 5.4 | 3,201.82 | 0.74 | 434 | 433 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 774,539.61 | 3.99 |
| D08099-D08097 | 8 | 249 | 0.008 | 4.2 | 2,652.75 | 0.74 | 455 | 453 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 827,185.92 | 4.27 |
| D07013-D07011 | 8 | 352.00 | 0.006 | 6.9 | 5,890.66 | 0.74 | 493 | 491 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 695,715.17 | 3.59 |
| E05171-E05149 | 8 | 72 | 0.014 | 6.2 | 1,594.37 | 0.74 | 517 | 516 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,087,731.13 | 5.61 |
| D14007-D14005 | 8 | 104 | 0.01 | 4.5 | 3,180.51 | 0.74 | 460 | 459 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 905,047.01 | 4.67 |
| E15019-E15017 | 8 | 208 | 0.01 | 16.2 | 3,180.51 | 0.74 | 474 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 905,047.01 | 4.67 |
| G07073-G07057 | 8 | 402 | 0.005 | 10.4 | 6,277.55 | 0.74 | 457 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 651,013.18 | 3.36 |
| E17001-E18007 | 12 | 289 | 0.002 | 11 | 28,552.67 | 0.74 | 519.1 | 518.5 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,239,912.97 | 2.40 |
| H11161-H11159 | 8 | 274.00 | 0.007 | 5.6 | 3,047.45 | 0.74 | 383 | 381 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 788,546.89 | 4.07 |
| E16073-E16071 | 8 | 255 | 0.016 | 3.7 | 1,985.85 | 0.74 | 488 | 484 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,155,973.06 | 5.96 |
| D13109-D13075 | 8 | 210 | 0.01 | 10.5 | 3,246.52 | 0.74 | 434 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 900,726.95 | 4.65 |
| F15047-F15045 | 8 | 301 | 0.007 | 5.2 | 3,898.98 | 0.74 | 446 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 752,349.36 | 3.88 |
| E07119-E07117 | 8 | 271 | 0.004 | 10.4 | 10,200.25 | 0.74 | 479 | 478 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 560,664.63 | 2.89 |
| D13007-D13005 | 8 | 124 | 0.008 | 6.3 | 4,897.38 | 0.74 | 425 | 424 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 828,851.95 | 4.27 |
| E06029-E06027 | 8 | 269 | 0.004 | 10.5 | 8,562.52 | 0.74 | 491 | 490 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 562,745.03 | 2.90 |
| D10097-D10095 | 8 | 254 | 0.012 | 4.6 | 1,765.44 | 0.74 | 457 | 454 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,003,070.77 | 5.17 |
| J11083-J11079 | 8 | 583 | 0.012 | 13.8 | 2,450.25 | 0.74 | 373 | 366 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,011,352.49 | 5.22 |
| J13001-J14121 | 8 | 294 | 0.002 | 16.4 | 19,625.32 | 0.74 | 336 | 335.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 380,626.61 | 1.96 |
| K08017-K08015 | 12 | 298 | 0.002 | 13.5 | 51,969.62 | 0.74 | 390.49 | 389.78 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,328,267.48 | 2.57 |
| C04083-C04081 | 8 | 165 | 0.036 | 2.2 | 729.87 | 0.74 | 637 | 631 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,760,035.63 | 9.08 |
| G09159-G09125 | 8 | 224 | 0.013 | 9.1 | 2,540.90 | 0.74 | 415.94 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,057,395.51 | 5.45 |
| F08059-F08057 | 8 | 198 | 0.005 | 6.7 | 4,834.28 | 0.74 | 444 | 443 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,926.55 | 3.38 |
| E03253-E03251 | 8 | 191 | 0.01 | 4.9 | 2,391.56 | 0.74 | 540 | 538 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 944,465.55 | 4.87 |
| F12113-F12111 | 8 | 219 | 0.005 | 8.4 | 8,685.77 | 0.74 | 405 | 404 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 623,685.65 | 3.22 |
| E08083-F08131 | 8 | 259 | 0.004 | 14 | 10,134.67 | 0.74 | 459 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 573,505.95 | 2.96 |
| F05099-F05097 | 8 | 286 | 0.01 | 4.2 | 2,391.56 | 0.74 | 518 | 515 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 945,290.77 | 4.88 |
| E08093-F08133 | 8 | 246 | 0.004 | 11.8 | 9,541.59 | 0.74 | 462 | 461 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 588,464.48 | 3.03 |
| F07071-F07069 | 8 | 247 | 0.004 | 9.6 | 9,555.68 | 0.74 | 468 | 467 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,272.05 | 3.03 |
| E07113-E07111 | 8 | 329 | 0.006 | 7.5 | 5,424.82 | 0.74 | 486 | 484 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 719,622.70 | 3.71 |
| E09097-E09095 | 8 | 89 | 0.006 | 8.1 | 4,682.00 | 0.74 | 425 | 424.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 691,795.62 | 3.57 |
| D14121-D14119 | 8 | 71 | 0.014 | 4.9 | 1,984.03 | 0.74 | 473 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,095,364.43 | 5.65 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| F14133-F13085 | 8 | 351 | 0.017 | 3.8 | 1,590.25 | 0.74 | 429 | 422.86 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,220,726.67 | 6.30 |
| F03197-F03195 | 8 | 249 | 0.011 | 4.3 | 2,391.56 | 0.74 | 536.11 | 533.46 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 950,256.26 | 4.90 |
| F05145-F05143 | 8 | 269 | 0.005 | 7.5 | 7,071.77 | 0.74 | 502 | 500.77 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 624,114.43 | 3.22 |
| E11095-E11093 | 8 | 88 | 0.006 | 7.4 | 6,713.66 | 0.74 | 413.5 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 695,715.17 | 3.59 |
| F15039-G15025 | 8 | 322 | 0.006 | 6.6 | 4,909.50 | 0.74 | 441.85 | 440 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 699,593.45 | 3.61 |
| E11115-E11113 | 8 | 237 | 0.008 | 54.6 | 3,967.98 | 0.74 | 419 | 417 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 847,868.76 | 4.37 |
| E03067-E03063 | 6 | 481 | 0.006 | 10.6 | 4,587.60 | 0.75 | 577 | 574 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 338,458.89 | 2.62 |
| D17059-D17057 | 12 | 180 | 0.001 | 19 | 79,850.87 | 0.75 | 511.25 | 511 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,014,140.79 | 1.96 |
| D12053-D12047 | 8 | 175 | 0.007 | 9 | 5,315.85 | 0.75 | 441.55 | 440.3 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 780,052.42 | 4.02 |
| F13137-F13135 | 8 | 243 | 0.008 | 5.4 | 3,846.68 | 0.75 | 413 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 837,335.82 | 4.32 |
| E07131-E07129 | 8 | 247 | 0.004 | 9.2 | 9,062.18 | 0.75 | 478 | 477 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,272.05 | 3.03 |
| F03011-F03009 | 8 | 352 | 0.011 | 4 | 2,370.08 | 0.75 | 524 | 520 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 983,889.83 | 5.07 |
| G05027-G05009 | 8 | 297 | 0.017 | 9.8 | 3,348.44 | 0.75 | 478 | 473 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,197,552.56 | 6.18 |
| D19011-D19009 | 8 | 300 | 0.006 | 7.8 | 8,613.11 | 0.75 | 558.01 | 556.26 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 703,758.39 | 3.63 |
| G08105-G08103 | 8 | 68 | 0.004 | 10.1 | 11,570.06 | 0.75 | 426.64 | 426.4 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 548,326.17 | 2.83 |
| E12121-E12119 | 8 | 137 | 0.007 | 6.4 | 4,755.42 | 0.75 | 412 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 788,546.89 | 4.07 |
| E12131-E12129 | 8 | 209 | 0.005 | 8.7 | 8,676.94 | 0.75 | 407 | 406 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 638,432.03 | 3.29 |
| C01036-C01034 | 8 | 300 | 0.014 | 3.8 | 2,856.53 | 0.75 | 666.74 | 662.49 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,096,728.24 | 5.66 |
| E19004-E19003 | 8 | 300 | 0.004 | 8.6 | 8,746.40 | 0.75 | 562.39 | 561.16 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 590,006.93 | 3.04 |
| J11093-J11091 | 8 | 191 | 0.005 | 8.9 | 8,440.51 | 0.75 | 373 | 372 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 667,838.00 | 3.44 |
| D01071-D01069 | 8 | 224 | 0.005 | 8.5 | 5,473.44 | 0.75 | 607.64 | 606.45 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 672,724.55 | 3.47 |
| D07141-D08071 | 8 | 246 | 0.004 | 9.1 | 10,036.15 | 0.75 | 487 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 588,464.48 | 3.03 |
| G13017-G13011 | 8 | 135 | 0.006 | 5.7 | 4,245.64 | 0.75 | 396.77 | 396 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 697,053.78 | 3.60 |
| C01030-C01028 | 8 | 266.6 | 0.014 | 3.9 | 3,165.53 | 0.75 | 655.93 | 652.11 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,101,925.14 | 5.68 |
| E04163-F04175 | 8 | 186 | 0.011 | 4.9 | 2,391.56 | 0.75 | 536 | 534 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 957,075.80 | 4.94 |
| F15051-F15049 | 8 | 308 | 0.01 | 4.5 | 2,352.68 | 0.75 | 450 | 447 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 910,904.98 | 4.70 |
| F12093-F12091 | 8 | 257 | 0.004 | 9.9 | 11,014.00 | 0.75 | 405 | 404 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 575,733.16 | 2.97 |
| E10027-E09099 | 8 | 185 | 0.005 | 6 | 4,693.88 | 0.75 | 429 | 428 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 678,581.39 | 3.50 |
| F16051-F16019 | 8 | 218 | 0.005 | 20.2 | 9,458.71 | 0.75 | 486 | 485 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 625,114.48 | 3.22 |
| E04117-F04105 | 8 | 240 | 0.013 | 5 | 1,992.96 | 0.75 | 533 | 530 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,031,912.36 | 5.32 |
| E18013-E18011 | 8 | 172 | 0.026 | 2.2 | 1,192.69 | 0.75 | 534.5 | 530 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,492,896.98 | 7.70 |
| E11075-E11073 | 10 | 288 | 0.003 | 38.9 | 20,850.82 | 0.75 | 410 | 409.23 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 865,293.87 | 2.68 |
| D16047-D16043 | 8 | 160 | 0.009 | 6.5 | 3,578.07 | 0.75 | 496 | 494.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 893,662.32 | 4.61 |
| G12057-G12055 | 8 | 333 | 0.006 | 6.3 | 4,175.29 | 0.75 | 383 | 381 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 715,287.59 | 3.69 |
| E11051-E11047 | 8 | 195 | 0.005 | 7.6 | 7,239.63 | 0.75 | 423 | 422 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 660,952.88 | 3.41 |
| D07149-D07147 | 8 | 231 | 0.009 | 4.4 | 3,126.32 | 0.75 | 507 | 505 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 858,809.45 | 4.43 |
| K08019-K08017 | 12 | 300 | 0.002 | 13.6 | 52,120.80 | 0.75 | 391.19 | 390.49 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,314,476.69 | 2.54 |
| D12017-D12011 | 8 | 401 | 0.012 | 12.5 | 2,390.81 | 0.75 | 426 | 421 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,030,624.88 | 5.32 |
| E04149-E04147 | 8 | 159.00 | 0.013 | 4.8 | 1,992.96 | 0.75 | 538 | 536 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,035,152.28 | 5.34 |
| F09127-F09125 | 8 | 233 | 0.009 | 4.9 | 2,684.99 | 0.75 | 433 | 431 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 855,115.63 | 4.41 |
| E16085-E16083 | 8 | 299 | 0.003 | 11.1 | 12,365.99 | 0.75 | 502 | 501 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 533,767.61 | 2.75 |
| E08079-E08077 | 12 | 383 | 0.005 | 7.7 | 8,741.80 | 0.75 | 460 | 458 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,966,437.32 | 3.80 |
| F14013-F14011 | 8 | 209 | 0.014 | 3.6 | 1,563.90 | 0.75 | 443 | 440 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,105,796.70 | 5.70 |
| F05001-F06157 | 10 | 302 | 0.003 | 8 | 12,758.30 | 0.75 | 498 | 497 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 962,966.19 | 2.98 |
| D02073-D02071 | 8 | 280 | 0.007 | 5.6 | 4,740.04 | 0.75 | 618 | 616 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 780,052.42 | 4.02 |
| H12055-H12019 | 8 | 406 | 0.01 | 32.9 | 2,133.47 | 0.75 | 373 | 368.87 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 930,893.11 | 4.80 |
| C06049-D06041 | 8 | 224 | 0.018 | 4.1 | 1,437.81 | 0.75 | 573 | 569 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,233,371.17 | 6.36 |
| C07055-C07053 | 8 | 298 | 0.007 | 10.8 | 5,141.75 | 0.75 | 515 | 513 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 756,126.87 | 3.90 |
| G14091-G14089 | 8 | 295 | 0.01 | 4.1 | 2,134.90 | 0.75 | 418 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 930,759.39 | 4.80 |
| F07107-F07105 | 8 | 331 | 0.003 | 12.5 | 14,802.38 | 0.75 | 481 | 480 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 507,310.45 | 2.62 |
| F03185-F03183 | 8 | 259 | 0.004 | 9.2 | 8,633.28 | 0.75 | 531.52 | 530.47 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,668.72 | 3.03 |
| E13055-E13047 | 8 | 238 | 0.008 | 6.2 | 3,964.65 | 0.75 | 421 | 419 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 846,085.64 | 4.36 |
| F07123-F07121 | 8 | 194 | 0.003 | 13.5 | 17,205.08 | 0.75 | 477 | 476.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 468,567.26 | 2.42 |
| D08101-E08063 | 8 | 324 | 0.003 | 14.4 | 11,518.89 | 0.75 | 468 | 467 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 512,761.37 | 2.64 |
| G07065-G07063 | 8 | 209 | 0.01 | 5.9 | 3,163.02 | 0.75 | 461 | 459 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 902,879.23 | 4.66 |
| F06093-F06091 | 8 | 67 | 0.01 | 4.6 | 3,616.81 | 0.76 | 494.79 | 494.14 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 909,090.43 | 4.69 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| E07105-E07103 | 8 | 246 | 0.008 | 6.3 | 4,230.84 | 0.76 | 485 | 483 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 832,214.45 | 4.29 |
| E14033-E14031 | 8 | 191 | 0.005 | 8.5 | 7,136.13 | 0.76 | 453 | 452 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 667,838.00 | 3.44 |
| E16089-E16085 | 8 | 288 | 0.007 | 8.3 | 5,538.66 | 0.76 | 504 | 502 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 769,142.06 | 3.97 |
| E08011-E08009 | 8 | 310 | 0.013 | 3.6 | 1,752.88 | 0.76 | 459 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,048,424.00 | 5.41 |
| C07089-C07087 | 8 | 383 | 0.031 | 7.4 | 662.21 | 0.76 | 534 | 522 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,633,725.33 | 8.43 |
| H12075-H12073 | 8 | 359 | 0.007 | 7.1 | 5,453.83 | 0.76 | 367.54 | 365 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 776,349.79 | 4.00 |
| E12119-E12115 | 8 | 187 | 0.005 | 8.5 | 7,131.77 | 0.76 | 411 | 410 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 674,942.85 | 3.48 |
| D16077-D16075 | 8 | 194 | 0.005 | 8.4 | 7,095.84 | 0.76 | 482 | 481 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 662,654.18 | 3.42 |
| E16051-E16049 | 8 | 276 | 0.014 | 4.2 | 1,987.82 | 0.76 | 486 | 482 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,111,125.88 | 5.73 |
| F14127-F14051 | 6 | 200 | 0.015 | 30.6 | 1,984.33 | 0.76 | 427 | 424 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 524,884.17 | 4.06 |
| G10065-G10063 | 8 | 281 | 0.004 | 10.6 | 7,676.42 | 0.76 | 398 | 397 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 550,598.02 | 2.84 |
| K14003-K14001 | 8 | 305 | 0.003 | 11.3 | 10,868.11 | 0.76 | 325 | 324 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 528,491.35 | 2.73 |
| H11045-H11043 | 8 | 371 | 0.008 | 4.8 | 3,278.26 | 0.76 | 383 | 380 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 829,968.25 | 4.28 |
| G13007-G13005 | 8 | 187 | 0.011 | 5.6 | 2,093.43 | 0.76 | 395 | 393 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 954,513.34 | 4.92 |
| K15029-K15027 | 8 | 344 | 0.006 | 10.1 | 5,074.52 | 0.76 | 322 | 320 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 703,758.39 | 3.63 |
| G08133-H08029 | 6 | 405 | 0.002 | 17.7 | 14,620.21 | 0.76 | 431 | 430 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 212,956.22 | 1.65 |
| E04055-E04053 | 8 | 408 | 0.007 | 6.5 | 4,587.60 | 0.76 | 554 | 551 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 791,440.65 | 4.08 |
| D04019-D05067 | 8 | 284 | 0.007 | 8.3 | 5,101.74 | 0.76 | 602 | 600 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 774,539.61 | 3.99 |
| F08051-F08049 | 8 | 392 | 0.003 | 10.6 | 11,054.49 | 0.76 | 447 | 446 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 466,170.49 | 2.40 |
| E18093-E18091 | 8 | 201 | 0.005 | 7.9 | 8,300.61 | 0.76 | 534 | 533 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 651,013.18 | 3.36 |
| F07121-F07119 | 8 | 199 | 0.003 | 13.8 | 18,887.46 | 0.76 | 476.5 | 476 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 462,643.29 | 2.39 |
| C07037-C07035 | 8 | 159 | 0.019 | 2.9 | 1,318.95 | 0.76 | 524 | 521 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,267,797.45 | 6.54 |
| G09091-G09075 | 8 | 256 | 0.003 | 12.8 | 9,258.48 | 0.76 | 401.8 | 401 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 515,956.18 | 2.66 |
| L13103-L13019 | 10 | 309 | 0.003 | 100 | 336,263.55 | 0.76 | 325 | 324 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 951,996.32 | 2.95 |
| E18091-E18089 | 8 | 190 | 0.005 | 8 | 8,280.54 | 0.76 | 533 | 532 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 669,593.16 | 3.45 |
| F07095-F07093 | 8 | 262 | 0.003 | 12.2 | 15,362.37 | 0.76 | 479.8 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 510,014.07 | 2.63 |
| F17045-F17043 | 8 | 259 | 0.003 | 12.3 | 16,080.12 | 0.76 | 518.55 | 517.65 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 544,075.51 | 2.81 |
| F06151-F06149 | 8 | 224 | 0.004 | 10.4 | 8,391.41 | 0.76 | 492 | 491 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 616,685.59 | 3.18 |
| E15087-E15085 | 8 | 394 | 0.008 | 6.7 | 4,759.68 | 0.76 | 473 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 805,379.04 | 4.15 |
| D03111-E03061 | 8 | 340 | 0.015 | 3.8 | 1,966.11 | 0.76 | 583 | 578 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,119,266.10 | 5.77 |
| G14017-G14015 | 8 | 361 | 0.011 | 3.8 | 2,341.71 | 0.76 | 426 | 422 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 971,547.87 | 5.01 |
| E05155-E05151 | 8 | 343 | 0.017 | 6 | 1,594.37 | 0.76 | 524 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,220,720.88 | 6.30 |
| G07029-G07027 | 8 | 225 | 0.004 | 8.4 | 9,020.49 | 0.76 | 449 | 448 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 615,313.65 | 3.17 |
| E12129-E12127 | 8 | 229 | 0.004 | 9.2 | 10,644.98 | 0.76 | 406 | 405 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 609,916.06 | 3.15 |
| J11163-J12081 | 12 | 272 | 0.006 | 5.2 | 8,214.25 | 0.76 | 362 | 360.44 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,060,830.84 | 3.99 |
| G05021-G05011 | 8 | 287 | 0.017 | 9.5 | 3,795.53 | 0.77 | 479 | 474 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,218,237.21 | 6.28 |
| C07059-C07057 | 8 | 252 | 0.012 | 4.2 | 2,627.21 | 0.77 | 521 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,007,043.35 | 5.19 |
| D18051-D18049 | 12 | 300 | 0.008 | 4.7 | 10,124.50 | 0.77 | 531.7 | 529.31 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,424,823.88 | 4.69 |
| G10033-G10031 | 8 | 222 | 0.005 | 19.2 | 5,990.24 | 0.77 | 400 | 399 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 619,457.22 | 3.19 |
| F03163-F03085 | 8 | 20 | 0.05 | 26.1 | 398.59 | 0.77 | 526 | 525 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,063,824.72 | 10.64 |
| F04191-F04141 | 8 | 20 | 0.05 | 23.1 | 398.59 | 0.77 | 519 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,063,824.72 | 10.64 |
| F12091-F12089 | 8 | 259 | 0.004 | 10.5 | 12,572.63 | 0.77 | 404 | 403 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 573,505.95 | 2.96 |
| E07129-E07127 | 8 | 267 | 0.004 | 10.7 | 11,393.39 | 0.77 | 477 | 476 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 564,848.76 | 2.91 |
| E08025-E08023 | 15 | 342 | 0.007 | 2.7 | 5,141.57 | 0.77 | 453.5 | 451 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,218,403.81 | 5.44 |
| C04053-C04027 | 8 | 120 | 0.008 | 8.5 | 4,372.27 | 0.77 | 657 | 656 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 842,552.91 | 4.35 |
| C04077-C04075 | 8 | 298 | 0.017 | 3 | 1,823.36 | 0.77 | 637 | 632 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,195,541.56 | 6.17 |
| D08091-D08089 | 8 | 332 | 0.009 | 4.3 | 2,823.53 | 0.77 | 470 | 467 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 877,363.16 | 4.52 |
| D09083-D09081 | 8 | 197 | 0.005 | 12.1 | 5,396.64 | 0.77 | 455 | 454 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 657,589.23 | 3.39 |
| C02069-C02067 | 8 | 200 | 0.01 | 5 | 3,645.46 | 0.77 | 634 | 632 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 922,970.47 | 4.76 |
| D11029-D11027 | 8 | 211 | 0.004 | 10.9 | 6,966.42 | 0.77 | 474.72 | 473.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 609,453.38 | 3.14 |
| H13083-H13065 | 8 | 382 | 0.013 | 5.7 | 1,620.73 | 0.77 | 377 | 372 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,055,944.59 | 5.45 |
| E03081-E03079 | 8 | 266 | 0.015 | 4.2 | 1,966.11 | 0.77 | 560 | 556 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,131,819.01 | 5.84 |
| F13021-F13019 | 8 | 257 | 0.012 | 4.3 | 1,971.11 | 0.77 | 406 | 403 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 997,199.09 | 5.14 |
| F03001-G03017 | 8 | 342 | 0.012 | 4.5 | 2,391.56 | 0.77 | 511 | 507 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 998,170.54 | 5.15 |
| E18095-E18093 | 8 | 179 | 0.011 | 6 | 3,171.98 | 0.77 | 536 | 534 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 975,610.10 | 5.03 |
| J08033-J08031 | 10 | 188 | 0.003 | 16 | 42,783.71 | 0.77 | 395.36 | 394.87 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 854,345.67 | 2.64 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| E11027-E11025 | 8 | 407 | 0.01 | 5.7 | 3,700.20 | 0.77 | 414 | 410 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 914,998.96 | 4.72 |
| F14099-F14097 | 8 | 219 | 0.014 | 4.1 | 2,382.02 | 0.77 | 445 | 442 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,080,255.23 | 5.57 |
| L14079-L14075 | 8 | 171 | 0.003 | 12.2 | 11,555.66 | 0.77 | 314 | 313.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 499,085.27 | 2.57 |
| D15043-D15039 | 8 | 155 | 0.019 | 3.1 | 1,590.25 | 0.77 | 464 | 461 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,284,051.92 | 6.62 |
| E05163-E05161 | 8 | 74 | 0.014 | 4.2 | 1,992.96 | 0.77 | 524 | 523 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,072,931.38 | 5.53 |
| L13037-L13035 | 8 | 128 | 0.004 | 9 | 9,737.49 | 0.77 | 332 | 331.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| D07041-D07039 | 8 | 275 | 0.011 | 4 | 2,850.99 | 0.77 | 498 | 495 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 964,011.22 | 4.97 |
| J11165-J11163 | 12 | 318 | 0.013 | 3.5 | 3,161.83 | 0.77 | 366 | 362 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,051,974.73 | 5.90 |
| E14047-E14109 | 8 | 329 | 0.015 | 4.4 | 1,987.82 | 0.77 | 449 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,137,823.40 | 5.87 |
| G10029-G10027 | 8 | 110 | 0.009 | 15.1 | 2,800.74 | 0.77 | 399 | 398 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 880,017.82 | 4.54 |
| D04049-E04013 | 8 | 563 | 0.012 | 4.8 | 2,621.48 | 0.77 | 564 | 557 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,029,159.36 | 5.31 |
| E14031-E14029 | 8 | 255 | 0.004 | 9.9 | 11,092.68 | 0.77 | 452 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 577,986.53 | 2.98 |
| K08021-K08019 | 12 | 204 | 0.002 | 13.6 | 52,216.74 | 0.77 | 391.67 | 391.19 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,319,988.15 | 2.55 |
| G08037-G08035 | 8 | 247 | 0.008 | 5.3 | 3,223.69 | 0.77 | 437 | 435 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 830,528.10 | 4.28 |
| E04007-E04005 | 6 | 150 | 0.02 | 4.7 | 1,310.74 | 0.77 | 557 | 554 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 606,084.03 | 4.69 |
| D02009-D02007 | 8 | 234 | 0.009 | 6.5 | 4,092.38 | 0.77 | 601 | 599 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 853,286.50 | 4.40 |
| G04127-G04111 | 8 | 300 | 0.003 | 11.6 | 13,158.31 | 0.77 | 494 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 532,877.25 | 2.75 |
| G09109-G09107 | 8 | 95 | 0.005 | 6.6 | 5,366.19 | 0.77 | 404 | 403.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 669,593.16 | 3.45 |
| K09013-K09011 | 12 | 300 | 0.003 | 12.7 | 51,628.17 | 0.77 | 389.08 | 388.16 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,506,946.33 | 2.91 |
| D12055-D12053 | 8 | 39 | 0.008 | 5.8 | 5,318.15 | 0.78 | 441.86 | 441.55 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 822,879.70 | 4.24 |
| G07003-G07001 | 8 | 397 | 0.01 | 5.4 | 3,643.99 | 0.78 | 452 | 448 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 926,451.20 | 4.78 |
| E02065-E02064 | 8 | 269 | 0.007 | 7.8 | 4,771.42 | 0.78 | 561.39 | 559.45 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 783,813.13 | 4.04 |
| D16073-E16009 | 8 | 289 | 0.003 | 10.8 | 13,233.01 | 0.78 | 480 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 542,923.81 | 2.80 |
| G09079-G09077 | 8 | 160 | 0.006 | 8.5 | 4,298.68 | 0.78 | 403 | 402 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 729,672.23 | 3.76 |
| E13083-E13081 | 8 | 243 | 0.008 | 6 | 4,755.18 | 0.78 | 433 | 431 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 837,335.82 | 4.32 |
| C03005-C03003 | 8 | 237 | 0.021 | 3 | 1,406.08 | 0.78 | 654 | 649 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,340,598.21 | 6.91 |
| J12021-J12013 | 21 | 297 | 0 | 47.6 | 791,786.49 | 0.78 | 359.06 | 359 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 1,720,138.28 | 1.11 |
| D01069-D01067 | 8 | 362 | 0.003 | 10.6 | 11,850.45 | 0.78 | 606.45 | 605.36 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 506,461.89 | 2.61 |
| F04035-F04033 | 8 | 301 | 0.01 | 4.6 | 3,535.34 | 0.78 | 511 | 508 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 921,436.02 | 4.75 |
| F01013-F01011 | 8 | 113 | 0.006 | 7.3 | 7,359.39 | 0.78 | 526.76 | 526.09 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 710,699.46 | 3.67 |
| E05129-F05085 | 8 | 262 | 0.008 | 5.5 | 4,346.56 | 0.78 | 522 | 520 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 806,403.05 | 4.16 |
| P-5579 | 8 | 0 | 0.002 | 24.4 | 46,551.68 | 0.78 | 509.99 | 509 | | 0.3 | 358,431.20 | 1.85 |
| J08031-J08029 | 10 | 190 | 0.003 | 15.3 | 42,847.28 | 0.78 | 395.85 | 395.36 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 849,837.22 | 2.63 |
| E14107-E14105 | 8 | 324 | 0.006 | 6.8 | 6,725.89 | 0.78 | 442 | 439.98 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 728,770.84 | 3.76 |
| F04049-F04047 | 8 | 327 | 0.009 | 6 | 3,562.70 | 0.78 | 512 | 509 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 884,045.38 | 4.56 |
| E18047-E18019 | 8 | 103 | 0.005 | 10.7 | 10,092.97 | 0.78 | 522 | 521.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 643,064.00 | 3.32 |
| D04109-D04107 | 8 | 171 | 0.029 | 4.1 | 1,126.99 | 0.78 | 588 | 583 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,578,246.21 | 8.14 |
| H12069-J12045 | 8 | 353 | 0.006 | 10.8 | 9,299.70 | 0.78 | 363 | 361 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 694,729.04 | 3.58 |
| F03179-F03177 | 8 | 262 | 0.004 | 9.6 | 10,223.03 | 0.78 | 538 | 537 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 570,213.06 | 2.94 |
| H10003-H10001 | 12 | 700 | 0.001 | 16.2 | 58,832.91 | 0.78 | 383 | 382 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,028,526.48 | 1.99 |
| D14029-D14027 | 8 | 219 | 0.005 | 9 | 9,509.48 | 0.78 | 450 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 623,685.65 | 3.22 |
| F02090-F03155 | 8 | 296 | 0.005 | 19.4 | 6,958.73 | 0.78 | 541.46 | 540 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 659,449.01 | 3.40 |
| C02041-C02013 | 8 | 254 | 0.004 | 16.9 | 15,295.83 | 0.78 | 633.02 | 632 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 584,885.74 | 3.02 |
| K14039-K14037 | 8 | 224 | 0.002 | 14.2 | 19,118.20 | 0.78 | 326.5 | 326 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 436,062.56 | 2.25 |
| F07069-F07067 | 8 | 263 | 0.004 | 23.3 | 12,492.42 | 0.78 | 467 | 466 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 569,127.97 | 2.94 |
| F09003-F09001 | 8 | 355 | 0.008 | 5.1 | 4,027.16 | 0.78 | 421.69 | 419 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 803,433.19 | 4.14 |
| J11139-J11087 | 8 | 112 | 0.009 | 12.9 | 4,971.00 | 0.78 | 370 | 369 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 872,125.12 | 4.50 |
| E06071-E06069 | 8 | 259 | 0.008 | 6.7 | 4,313.44 | 0.78 | 517 | 515 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 811,059.89 | 4.18 |
| H04035-H04029 | 8 | 253 | 0.008 | 8.5 | 10,467.26 | 0.78 | 472 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 820,620.84 | 4.23 |
| E06103-E06101 | 8 | 181 | 0.011 | 5.6 | 2,875.62 | 0.78 | 498 | 496 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 970,205.02 | 5.00 |
| C10015-C10013 | 8 | 270 | 0.007 | 7.4 | 3,794.63 | 0.78 | 459 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 794,366.50 | 4.10 |
| E17013-E17011 | 8 | 240 | 0.004 | 10.3 | 10,800.86 | 0.78 | 506 | 505 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 595,774.88 | 3.07 |
| F03005-G03047 | 8 | 254 | 0.008 | 9.5 | 4,687.49 | 0.78 | 515 | 513 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 819,003.86 | 4.22 |
| E16083-E16081 | 8 | 303 | 0.003 | 12.4 | 15,100.81 | 0.78 | 501 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 530,232.68 | 2.73 |
| E17036-F17045 | 8 | 259 | 0.004 | 11.8 | 16,114.91 | 0.78 | 519.46 | 518.55 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 547,089.80 | 2.82 |
| E11151-E11061 | 8 | 326 | 0.003 | 50.1 | 19,001.60 | 0.78 | 403 | 402.16 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 468,509.77 | 2.42 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| K08023-K08021 | 12 | 205 | 0.002 | 13.6 | 52,306.45 | 0.78 | 392.15 | 391.67 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,316,764.73 | 2.55 |
| J12069-J12065 | 8 | 263 | 0.008 | 15.2 | 5,837.10 | 0.78 | 364 | 362 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 804,868.50 | 4.15 |
| F08065-F08063 | 8 | 226 | 0.004 | 8.4 | 7,507.81 | 0.78 | 440 | 439 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 613,950.83 | 3.17 |
| G05015-G05013 | 8 | 317 | 0.013 | 8.5 | 6,068.46 | 0.78 | 480 | 476 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,036,783.73 | 5.35 |
| L14033-L14031 | 8 | 321 | 0.006 | 6.2 | 5,235.10 | 0.78 | 318 | 316 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 728,534.78 | 3.76 |
| H06041-H06029 | 8 | 217 | 0.008 | 5.3 | 4,487.95 | 0.78 | 447 | 445.25 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 828,851.95 | 4.27 |
| G07015-F07021 | 8 | 303 | 0.007 | 10.2 | 6,025.75 | 0.79 | 458 | 456 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 749,862.25 | 3.87 |
| G13129-G13123 | 8 | 100 | 0.02 | 3.8 | 1,080.49 | 0.79 | 380 | 378 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,305,277.36 | 6.73 |
| F07153-F07151 | 8 | 317 | 0.009 | 5.9 | 3,648.36 | 0.79 | 466 | 463 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 897,881.05 | 4.63 |
| J14121-J14119 | 8 | 296 | 0.002 | 18.6 | 25,065.62 | 0.79 | 335.5 | 335 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 379,338.53 | 1.96 |
| E14095-E14093 | 8 | 250 | 0.004 | 12.5 | 11,856.55 | 0.79 | 436 | 434.98 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 589,546.26 | 3.04 |
| E06097-E06095 | 8 | 310 | 0.006 | 7.3 | 5,751.25 | 0.79 | 495 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 741,347.72 | 3.82 |
| J11109-J11107 | 8 | 30 | 0.011 | 5.5 | 4,018.49 | 0.79 | 376.12 | 375.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 953,239.80 | 4.92 |
| G04135-G05107 | 8 | 311 | 0.006 | 10.2 | 5,871.28 | 0.79 | 500 | 498 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 740,154.89 | 3.82 |
| F14119-F14117 | 8 | 252 | 0.012 | 4.6 | 3,171.72 | 0.79 | 447 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,007,043.35 | 5.19 |
| E13007-E12037 | 8 | 304 | 0.003 | 11.8 | 15,556.32 | 0.79 | 419 | 418 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 529,359.87 | 2.73 |
| D04119-D04117 | 6 | 121 | 0.017 | 4.3 | 1,899.47 | 0.79 | 572 | 570 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 550,985.48 | 4.26 |
| H11091-J11043 | 8 | 340 | 0.003 | 11.3 | 11,632.99 | 0.79 | 381 | 380 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 500,551.02 | 2.58 |
| E17015-E17013 | 8 | 251 | 0.004 | 9.5 | 10,841.52 | 0.79 | 507 | 506 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 582,573.80 | 3.00 |
| F13017-F13013 | 8 | 261 | 0.008 | 5.3 | 4,044.07 | 0.79 | 402 | 400 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 807,946.40 | 4.17 |
| E05041-E05039 | 8 | 421 | 0.005 | 9.9 | 9,131.84 | 0.79 | 534 | 532 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 636,153.26 | 3.28 |
| E09001-F09043 | 8 | 365 | 0.003 | 11.5 | 11,816.98 | 0.79 | 443 | 442 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 483,104.82 | 2.49 |
| D09009-E09041 | 8 | 301 | 0.007 | 5.6 | 4,417.43 | 0.79 | 446 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 752,349.36 | 3.88 |
| E14055-E14053 | 8 | 333 | 0.009 | 6.3 | 4,368.43 | 0.79 | 448 | 445 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 876,044.80 | 4.52 |
| E09011-E09009 | 10 | 406 | 0.002 | 32.9 | 20,376.21 | 0.79 | 434 | 433 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 830,522.67 | 2.57 |
| G08125-G08123 | 8 | 328 | 0.003 | 12.5 | 15,244.94 | 0.79 | 439 | 438 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 509,625.19 | 2.63 |
| D07047-D07041 | 8 | 379 | 0.018 | 3.4 | 1,756.91 | 0.79 | 505 | 498 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,254,345.63 | 6.47 |
| F12089-F12087 | 8 | 252 | 0.004 | 10.8 | 14,130.29 | 0.79 | 403 | 402 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 581,416.75 | 3.00 |
| G07005-G07003 | 8 | 55 | 0.018 | 3.7 | 1,824.18 | 0.79 | 453 | 452 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,244,533.13 | 6.42 |
| J11045-J11029 | 8 | 296 | 0.003 | 29.7 | 11,246.52 | 0.79 | 377 | 376 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 536,465.69 | 2.77 |
| G03045-G03043 | 8 | 158 | 0.013 | 8.6 | 2,391.56 | 0.79 | 513 | 511 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,038,422.91 | 5.36 |
| H14027-H14025 | 8 | 36 | 0.003 | 9.8 | 10,752.70 | 0.79 | 395.01 | 394.89 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 532,877.25 | 2.75 |
| E17059-E17057 | 8 | 198 | 0.005 | 7.9 | 8,345.97 | 0.79 | 524 | 523 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,926.55 | 3.38 |
| E16069-E16067 | 8 | 254 | 0.007 | 6.7 | 5,708.57 | 0.79 | 501.73 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 761,717.62 | 3.93 |
| E11141-E11111 | 8 | 306 | 0.007 | 45.3 | 6,347.56 | 0.79 | 418 | 416 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 746,177.40 | 3.85 |
| E04125-E04123 | 8 | 116 | 0.009 | 6 | 4,312.59 | 0.79 | 530 | 529 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 856,956.57 | 4.42 |
| F13095-F13093 | 8 | 254 | 0.008 | 5.9 | 5,501.91 | 0.79 | 412 | 410 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 819,003.86 | 4.22 |
| D16041-D16039 | 8 | 130 | 0.008 | 7.8 | 5,168.32 | 0.79 | 495 | 494 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 809,498.65 | 4.17 |
| D01043-D01041 | 8 | 297 | 0.013 | 4.4 | 2,554.53 | 0.79 | 632 | 628 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,071,123.58 | 5.52 |
| E14029-E14027 | 8 | 252 | 0.004 | 10.3 | 12,646.04 | 0.79 | 451 | 450 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 581,416.75 | 3.00 |
| G04109-G04107 | 12 | 299 | 0.007 | 4.2 | 7,388.47 | 0.79 | 504 | 502 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,225,583.55 | 4.30 |
| E05063-E05061 | 8 | 442 | 0.011 | 5.4 | 3,276.85 | 0.79 | 537 | 532 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 981,661.31 | 5.06 |
| F13135-F13133 | 8 | 255 | 0.008 | 6.8 | 5,423.09 | 0.79 | 411 | 409 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 817,396.39 | 4.22 |
| E09053-E09051 | 8 | 216 | 0.009 | 4.3 | 3,057.17 | 0.79 | 444 | 442 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 888,128.75 | 4.58 |
| J15027-J15025 | 8 | 105 | 0.01 | 5.4 | 3,323.35 | 0.79 | 333 | 332 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 900,726.95 | 4.65 |
| J11125-J11119 | 8 | 321 | 0.003 | 13.4 | 16,325.33 | 0.79 | 377 | 376 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 515,151.88 | 2.66 |
| K14067-K14065 | 8 | 253 | 0.004 | 9.7 | 10,002.48 | 0.79 | 333 | 332 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 580,266.56 | 2.99 |
| G05011-G05009 | 8 | 260 | 0.004 | 15.3 | 27,362.84 | 0.79 | 474 | 473 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 572,401.99 | 2.95 |
| E11013-D11055 | 8 | 116 | 0.009 | 5.2 | 3,224.60 | 0.8 | 433 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 856,956.57 | 4.42 |
| E04103-E04101 | 8 | 335 | 0.006 | 7.3 | 7,177.23 | 0.8 | 556 | 554 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 713,149.20 | 3.68 |
| F07043-F07041 | 8 | 210 | 0.014 | 5.8 | 2,432.24 | 0.8 | 467 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,103,160.71 | 5.69 |
| G08103-G09151 | 8 | 136 | 0.004 | 9.7 | 11,626.71 | 0.8 | 426.4 | 425.82 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 602,743.24 | 3.11 |
| E18033-E18029 | 8 | 189 | 0.021 | 3.9 | 1,590.25 | 0.8 | 540 | 536 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,342,724.46 | 6.93 |
| F05085-F05083 | 8 | 262 | 0.008 | 6.9 | 5,101.36 | 0.8 | 520 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 806,403.05 | 4.16 |
| D09011-D09009 | 8 | 286 | 0.014 | 4.3 | 1,854.81 | 0.8 | 450 | 446 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,091,527.76 | 5.63 |
| F08063-G08023 | 8 | 260 | 0.004 | 9.9 | 9,645.71 | 0.8 | 439 | 438 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 572,401.99 | 2.95 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|---|------------------------|----------------|-----------------------------|
| E18103-E18093 | 8 | 94 | 0.011 | 6.4 | 4,345.75 | 0.8 | 535 | 534 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 951,971.35 | 4.91 |
| G04133-G04131 | 8 | 311 | 0.006 | 6.8 | 6,600.05 | 0.8 | 501 | 499 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 740,154.89 | 3.82 |
| L13035-L13031 | 8 | 112 | 0.004 | 8.7 | 9,574.83 | 0.8 | 331.5 | 331 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 616,685.59 | 3.18 |
| E06107-E06105 | 8 | 257 | 0.012 | 5.6 | 2,875.62 | 0.8 | 500 | 497 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 997,199.09 | 5.14 |
| F12137-F12135 | 8 | 248 | 0.004 | 10.7 | 14,057.09 | 0.8 | 402 | 401 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 586,086.84 | 3.02 |
| H10001-J10007 | 12 | 610 | 0.002 | 22 | 61,680.93 | 0.8 | 382 | 381 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,101,791.91 | 2.13 |
| H13025-H13023 | 8 | 141 | 0.002 | 15 | 18,652.12 | 0.8 | 372.6 | 372.3 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 425,734.53 | 2.20 |
| D03091-D03089 | 8 | 307 | 0.013 | 4.3 | 2,914.95 | 0.8 | 598 | 594 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,053,534.14 | 5.43 |
| H11085-J11037 | 8 | 321 | 0.003 | 11.3 | 11,413.50 | 0.8 | 379 | 378 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 515,151.88 | 2.66 |
| C02055-C02051 | 8 | 252 | 0.016 | 4.1 | 2,187.83 | 0.8 | 646 | 642 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,162,833.49 | 6.00 |
| E12051-E12049 | 8 | 328 | 0.003 | 22.9 | 17,672.10 | 0.8 | 417 | 416 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 509,625.19 | 2.63 |
| C03035-C04069 | 8 | 246 | 0.016 | 3.2 | 2,185.40 | 0.8 | 689 | 685 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,176,928.96 | 6.07 |
| J11061-H11115 | 8 | 563 | 0.008 | 14.6 | 3,762.04 | 0.8 | 374.38 | 370 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 814,086.71 | 4.20 |
| E17057-E17055 | 8 | 186 | 0.005 | 8.2 | 8,321.41 | 0.8 | 523 | 521.98 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 683,488.83 | 3.53 |
| H07021-H07019 | 8 | 287 | 0.016 | 6.9 | 1,738.17 | 0.8 | 445 | 440.31 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,179,867.61 | 6.09 |
| D02061-D02059 | 8 | 197 | 0.005 | 14.2 | 9,802.94 | 0.8 | 610 | 609 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 657,589.23 | 3.39 |
| G04059-G04057 | 8 | 253 | 0.008 | 9.2 | 11,872.02 | 0.8 | 488 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 820,620.84 | 4.23 |
| F12127-F12125 | 8 | 215 | 0.005 | 9.5 | 11,823.30 | 0.8 | 406 | 405 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 629,460.64 | 3.25 |
| G10043-G10041 | 8 | 131 | 0.004 | 8.9 | 9,355.27 | 0.8 | 402 | 401.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 570,213.06 | 2.94 |
| H05063-H05001 | 8 | 176 | 0.011 | 15.9 | 3,344.16 | 0.8 | 445 | 443 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 983,889.83 | 5.07 |
| J06093-J06091 | 8 | 106 | 0.035 | 2.1 | 820.44 | 0.8 | 434.39 | 430.66 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,731,367.62 | 8.93 |
| E03121-E03119 | 8 | 312 | 0.01 | 7.8 | 3,932.23 | 0.81 | 575 | 572 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 905,047.01 | 4.67 |
| E17038-E17036 | 8 | 258 | 0.004 | 11.8 | 16,154.17 | 0.81 | 520.38 | 519.46 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 551,152.61 | 2.84 |
| F01015-F01013 | 8 | 118 | 0.006 | 7.1 | 7,384.65 | 0.81 | 527.52 | 526.76 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 740,719.20 | 3.82 |
| G12075-G12073 | 8 | 338 | 0.006 | 6.6 | 5,004.14 | 0.81 | 388 | 386 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 709,977.29 | 3.66 |
| J14061-J14059 | 8 | 207 | 0.005 | 7.8 | 7,779.06 | 0.81 | 338 | 337 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 641,508.82 | 3.31 |
| F07051-F07049 | 8 | 207 | 0.019 | 4.1 | 1,824.18 | 0.81 | 470 | 466 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,283,017.65 | 6.62 |
| H06063-H06061 | 8 | 315 | 0.006 | 7.7 | 6,355.38 | 0.81 | 446.2 | 444.4 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 697,700.10 | 3.60 |
| E14113-E14111 | 8 | 259 | 0.012 | 4.6 | 3,570.55 | 0.81 | 443 | 440 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 993,341.44 | 5.12 |
| D11015-D11013 | 8 | 108 | 0.009 | 10.6 | 3,221.39 | 0.81 | 449 | 448 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 888,128.75 | 4.58 |
| H12013-H12005 | 15 | 1,078.00 | 0.002 | 48.3 | 611,725.01 | 0.81 | 364 | 362 | Corrugated HDPE 12-15 inch (Corrugated Interior)-Circular-15 inch | 1.2 | 1,298,724.39 | 1.67 |
| F12111-F12109 | 8 | 192 | 0.005 | 8.6 | 10,253.93 | 0.81 | 404 | 403 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 666,096.56 | 3.44 |
| E14053-E14051 | 8 | 343 | 0.006 | 7.7 | 7,925.75 | 0.81 | 445 | 443 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 704,783.53 | 3.63 |
| D12003-D12001 | 8 | 252 | 0.008 | 6.3 | 5,572.60 | 0.81 | 424 | 422 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 822,247.45 | 4.24 |
| D12057-D12055 | 8 | 193 | 0.008 | 5.7 | 5,330.49 | 0.81 | 443.5 | 441.86 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 850,807.04 | 4.39 |
| E07099-F07097 | 8 | 229 | 0.004 | 11.2 | 11,901.70 | 0.81 | 481 | 480 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 609,916.06 | 3.15 |
| E18009-E17001 | 12 | 161 | 0.003 | 10 | 26,985.52 | 0.81 | 519.56 | 519.1 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,454,556.10 | 2.81 |
| K08001-J08065 | 10 | 301 | 0.003 | 17.3 | 51,702.59 | 0.81 | 393.38 | 392.44 | | 0.5 | 791,306.11 | 2.45 |
| E14101-E14099 | 8 | 239 | 0.013 | 5.5 | 3,175.66 | 0.81 | 440 | 437 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,034,068.92 | 5.33 |
| E03259-F03181 | 8 | 213 | 0.014 | 3.9 | 2,373.27 | 0.81 | 543 | 540 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,095,364.43 | 5.65 |
| E09013-E09011 | 10 | 381 | 0.003 | 10.5 | 18,641.05 | 0.81 | 435 | 434 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 857,337.90 | 2.65 |
| F04013-F04011 | 8 | 309 | 0.006 | 6.8 | 6,281.45 | 0.81 | 522 | 520 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 742,546.35 | 3.83 |
| D14005-D14003 | 8 | 92 | 0.011 | 6.3 | 3,970.32 | 0.81 | 459 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 962,263.24 | 4.96 |
| G09097-G10051 | 8 | 261 | 0.002 | 15.5 | 20,870.77 | 0.81 | 402 | 401.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 403,973.20 | 2.08 |
| D04117-D04115 | 8 | 206 | 0.019 | 3.9 | 1,893.34 | 0.81 | 570 | 566 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,286,128.00 | 6.63 |
| D03133-E03131 | 8 | 337 | 0.012 | 5.6 | 3,276.85 | 0.81 | 584 | 580 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,005,548.11 | 5.19 |
| F06005-F06003 | 8 | 160 | 0.006 | 7.6 | 7,731.76 | 0.81 | 471 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 729,672.23 | 3.76 |
| E14125-E14123 | 8 | 249 | 0.008 | 6.6 | 5,549.45 | 0.81 | 432 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 827,185.92 | 4.27 |
| F16011-F16005 | 8 | 163 | 0.012 | 6.2 | 3,180.51 | 0.81 | 486 | 484 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,022,372.13 | 5.27 |
| E11153-E11151 | 8 | 324 | 0.003 | 12.9 | 15,883.71 | 0.81 | 404 | 403 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 512,761.37 | 2.64 |
| E18001-D18007 | 12 | 298 | 0.002 | 14.9 | 53,489.40 | 0.81 | 516.5 | 516 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,114,657.31 | 2.16 |
| E07117-F07123 | 8 | 284 | 0.004 | 12.2 | 14,942.70 | 0.81 | 478 | 477 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 547,682.21 | 2.82 |
| E13087-E13085 | 8 | 90 | 0.022 | 10.8 | 1,590.25 | 0.81 | 432 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,375,883.14 | 7.10 |
| J08079-J08077 | 10 | 301 | 0.003 | 15.9 | 43,021.33 | 0.81 | 397.4 | 396.62 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 851,880.27 | 2.64 |
| E18017-E18015 | 12 | 161 | 0.003 | 8.7 | 23,864.12 | 0.81 | 521 | 520.5 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,516,479.56 | 2.93 |
| E02051-E02049 | 8 | 215 | 0.006 | 6.6 | 6,167.05 | 0.81 | 589.98 | 588.69 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 714,929.85 | 3.69 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| F04017-F04007 | 8 | 304 | 0.007 | 8.6 | 6,284.10 | 0.81 | 517 | 515 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 748,627.91 | 3.86 |
| F08091-F08089 | 8 | 247 | 0.008 | 33.8 | 5,430.42 | 0.81 | 449 | 447 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 830,528.10 | 4.28 |
| E11023-E11021 | 8 | 390 | 0.005 | 8.6 | 10,004.52 | 0.81 | 407 | 405 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 660,952.88 | 3.41 |
| G03021-G03019 | 8 | 365 | 0.005 | 21.9 | 7,489.70 | 0.81 | 503 | 501 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 683,213.40 | 3.52 |
| F05159-F05125 | 8 | 266 | 0.011 | 9.1 | 3,183.33 | 0.81 | 496 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 980,184.02 | 5.06 |
| F04041-F05011 | 8 | 305 | 0.007 | 9.7 | 6,285.48 | 0.81 | 506 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 747,399.64 | 3.85 |
| D06047-D06045 | 8 | 316 | 0.003 | 11.3 | 14,098.20 | 0.81 | 557 | 556 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 519,211.46 | 2.68 |
| E12171-E12169 | 8 | 256 | 0.004 | 11 | 14,791.31 | 0.81 | 412 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| G04061-G04059 | 8 | 252 | 0.008 | 8.4 | 12,005.03 | 0.81 | 490 | 488 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 822,247.45 | 4.24 |
| C03011-C03009 | 12 | 287 | 0.017 | 2.5 | 2,910.13 | 0.81 | 655 | 650 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,591,770.27 | 6.95 |
| D08069-D08055 | 10 | 298 | 0.005 | 7.8 | 12,507.24 | 0.81 | 484.5 | 483 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,187,276.87 | 3.67 |
| F08057-F08055 | 8 | 199 | 0.005 | 8 | 6,978.38 | 0.81 | 443 | 442 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 654,276.42 | 3.37 |
| G08023-G08013 | 8 | 318 | 0.003 | 13.5 | 12,851.98 | 0.82 | 438 | 437 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 517,576.14 | 2.67 |
| G04069-H04035 | 8 | 247 | 0.012 | 7 | 7,223.51 | 0.82 | 475 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,017,185.03 | 5.25 |
| G14015-G14013 | 8 | 332 | 0.012 | 4.1 | 2,847.95 | 0.82 | 422 | 418 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,013,091.71 | 5.22 |
| G09141-G09139 | 8 | 482 | 0.004 | 10.5 | 13,851.67 | 0.82 | 420 | 418 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 594,537.55 | 3.07 |
| F03035-F03033 | 8 | 366 | 0.005 | 8.2 | 7,858.92 | 0.82 | 523 | 521 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 682,279.41 | 3.52 |
| J13003-J13001 | 8 | 222 | 0.005 | 11.9 | 8,896.32 | 0.82 | 337 | 336 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 619,457.22 | 3.19 |
| G14003-G14001 | 8 | 172 | 0.012 | 7.2 | 2,431.10 | 0.82 | 408 | 406 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 995,264.66 | 5.13 |
| L13029-L13027 | 8 | 99 | 0.005 | 8.8 | 9,436.10 | 0.82 | 330.5 | 330 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,926.55 | 3.38 |
| D16055-D16005 | 8 | 359 | 0.006 | 15.1 | 8,619.69 | 0.82 | 488 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 688,899.04 | 3.55 |
| G14079-G14077 | 8 | 258 | 0.013 | 4.5 | 2,147.50 | 0.82 | 427 | 423.74 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,037,496.77 | 5.35 |
| C07027-C07025 | 8 | 170 | 0.012 | 4.3 | 3,396.99 | 0.82 | 515 | 513 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,001,102.04 | 5.16 |
| F04065-F05007 | 8 | 304 | 0.007 | 10.6 | 6,291.34 | 0.82 | 502 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 748,627.91 | 3.86 |
| F03027-F03025 | 8 | 364 | 0.005 | 9.8 | 7,867.07 | 0.82 | 520 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 684,151.23 | 3.53 |
| D16053-D16011 | 8 | 149 | 0.007 | 18 | 6,758.58 | 0.82 | 490 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 756,126.87 | 3.90 |
| F08053-G08021 | 8 | 300 | 0.003 | 10.9 | 11,794.41 | 0.82 | 441 | 440 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 532,877.25 | 2.75 |
| D12059-D12057 | 8 | 194 | 0.008 | 5.7 | 5,344.33 | 0.82 | 445.14 | 443.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 848,611.41 | 4.38 |
| F13117-F12119 | 8 | 202 | 0.015 | 4.8 | 2,775.51 | 0.82 | 413 | 410 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,124,793.38 | 5.80 |
| D02041-D02031 | 8 | 353 | 0.014 | 7 | 2,913.81 | 0.82 | 624 | 619 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,098,463.06 | 5.67 |
| H13073-H13071 | 12 | 241 | 0.003 | 7.1 | 14,892.40 | 0.82 | 376 | 375.32 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,445,474.50 | 2.80 |
| E18003-E18001 | 12 | 298 | 0.002 | 14.8 | 52,324.55 | 0.82 | 517 | 516.5 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,114,657.31 | 2.16 |
| H09001-H10029 | 8 | 347 | 0.006 | 7.1 | 5,694.04 | 0.82 | 401 | 399 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 700,709.60 | 3.61 |
| F04195-F04183 | 8 | 0 | 0.008 | 10.5 | 4,772.01 | 0.82 | 528.84 | 527.54 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 831,954.34 | 4.29 |
| E11079-E11075 | 10 | 251 | 0.004 | 9.8 | 17,320.82 | 0.82 | 411 | 410 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,056,276.57 | 3.27 |
| H12053-H12051 | 8 | 224 | 0.01 | 4.3 | 2,662.10 | 0.82 | 368.38 | 366.1 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 931,174.82 | 4.80 |
| G05007-G05005 | 8 | 285 | 0.004 | 17.3 | 35,544.86 | 0.82 | 472 | 471 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 546,720.52 | 2.82 |
| D08087-D08085 | 8 | 326 | 0.009 | 5 | 4,234.45 | 0.82 | 463 | 460 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 885,400.24 | 4.57 |
| G12073-G12071 | 8 | 190 | 0.005 | 12.3 | 6,793.65 | 0.83 | 386 | 385 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 669,593.16 | 3.45 |
| D10051-D10049 | 8 | 158 | 0.006 | 6.3 | 5,296.33 | 0.83 | 470 | 469 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 734,275.88 | 3.79 |
| G07063-G07061 | 8 | 352 | 0.006 | 8.8 | 7,848.23 | 0.83 | 459 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 695,715.17 | 3.59 |
| G15001-G14019 | 8 | 199 | 0.015 | 3.1 | 1,831.03 | 0.83 | 433 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,133,240.00 | 5.84 |
| F07105-F07103 | 8 | 323 | 0.003 | 14.1 | 19,460.98 | 0.83 | 480 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 513,554.51 | 2.65 |
| D13093-D13091 | 8 | 214 | 0.023 | 3.4 | 1,590.25 | 0.83 | 455 | 450 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,410,801.53 | 7.28 |
| E05165-E05161 | 8 | 343 | 0.02 | 3.9 | 1,594.37 | 0.83 | 530 | 523 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,318,529.25 | 6.80 |
| G09107-G09105 | 8 | 90 | 0.006 | 7.7 | 6,438.17 | 0.83 | 403.5 | 403 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 687,941.57 | 3.55 |
| F10083-F10081 | 8 | 265 | 0.008 | 5.8 | 4,178.85 | 0.83 | 412 | 410 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 801,825.51 | 4.14 |
| D11071-D12059 | 8 | 131 | 0.008 | 5.7 | 5,354.39 | 0.83 | 446.24 | 445.14 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 845,762.65 | 4.36 |
| E18019-E18017 | 12 | 152 | 0.003 | 8.6 | 23,101.64 | 0.83 | 521.5 | 521 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,560,729.74 | 3.02 |
| J08083-J08081 | 10 | 272 | 0.003 | 15.2 | 42,202.26 | 0.83 | 398.87 | 398.17 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 848,944.07 | 2.63 |
| F03009-F03007 | 8 | 339 | 0.012 | 4.3 | 3,532.95 | 0.83 | 520 | 516 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,002,577.50 | 5.17 |
| F05151-F05145 | 8 | 260 | 0.012 | 5.9 | 3,548.41 | 0.83 | 505 | 502 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 991,429.33 | 5.11 |
| G05009-G05007 | 8 | 254 | 0.004 | 16.5 | 31,247.04 | 0.83 | 473 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 579,123.18 | 2.99 |
| E04061-E04059 | 8 | 264 | 0.008 | 6.7 | 5,883.72 | 0.83 | 549 | 547 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 803,342.68 | 4.14 |
| F13013-F12021 | 8 | 131 | 0.008 | 5.9 | 4,809.87 | 0.83 | 400 | 399 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 806,403.05 | 4.16 |
| F02074-F02072 | 8 | 216.6 | 0.008 | 5.6 | 4,895.21 | 0.83 | 537.79 | 536.24 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 804,523.20 | 4.15 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| F09117-F09115 | 8 | 306 | 0.007 | 7 | 5,348.96 | 0.83 | 433 | 431 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 746,177.40 | 3.85 |
| K09003-K09001 | 12 | 301 | 0.005 | 12.4 | 50,954.65 | 0.83 | 379.69 | 378.26 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,875,639.06 | 3.63 |
| J08081-J08079 | 10 | 294 | 0.003 | 15.3 | 43,082.73 | 0.83 | 398.17 | 397.4 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 856,418.83 | 2.65 |
| D15061-D15059 | 8 | 34 | 0.01 | 5.9 | 4,479.30 | 0.83 | 494.04 | 493.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 922,970.47 | 4.76 |
| E14027-E15029 | 8 | 227 | 0.004 | 24.1 | 13,802.85 | 0.83 | 450 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 612,597.02 | 3.16 |
| G03017-G03015 | 8 | 353 | 0.008 | 5.9 | 4,749.06 | 0.83 | 507 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 850,865.83 | 4.39 |
| C05023-D05091 | 8 | 286 | 0.017 | 3.4 | 2,188.05 | 0.83 | 606 | 601 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,220,365.14 | 6.29 |
| L13031-L13029 | 8 | 97 | 0.005 | 8.3 | 9,456.72 | 0.83 | 331 | 330.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 662,654.18 | 3.42 |
| D18001-D17075 | 12 | 308 | 0.002 | 19.6 | 80,148.95 | 0.83 | 513 | 512.5 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,096,412.91 | 2.12 |
| J15017-J15015 | 8 | 280 | 0.004 | 11.2 | 12,314.81 | 0.83 | 344 | 343 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 551,580.36 | 2.84 |
| F04131-F04129 | 8 | 302 | 0.017 | 4.3 | 1,992.96 | 0.83 | 524.01 | 519 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,188,784.68 | 6.13 |
| H14021-H13001 | 8 | 257 | 0.004 | 14.7 | 11,599.82 | 0.83 | 393 | 392 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 575,733.16 | 2.97 |
| E05043-E05041 | 8 | 435 | 0.011 | 6.5 | 3,932.23 | 0.83 | 539 | 534 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 989,528.21 | 5.10 |
| F06115-F06113 | 10 | 230 | 0.002 | 14.8 | 36,689.37 | 0.83 | 481.5 | 481 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 780,253.26 | 2.41 |
| F12123-F12121 | 8 | 228 | 0.004 | 10.8 | 14,954.47 | 0.83 | 403 | 402 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 611,252.13 | 3.15 |
| F04077-F04075 | 8 | 167 | 0.009 | 6.2 | 5,084.70 | 0.83 | 522.85 | 521.4 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 860,029.94 | 4.44 |
| F07057-F07055 | 8 | 296 | 0.005 | 9.7 | 12,797.14 | 0.83 | 467.5 | 466 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 657,033.60 | 3.39 |
| G08031-G08029 | 8 | 246 | 0.004 | 9.1 | 10,188.49 | 0.83 | 431 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 588,464.48 | 3.03 |
| E03105-E03103 | 8 | 211 | 0.005 | 12.7 | 12,730.40 | 0.83 | 569 | 568 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 635,399.08 | 3.28 |
| F05033-F05031 | 8 | 307 | 0.01 | 78.9 | 4,005.75 | 0.83 | 500 | 497 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 912,387.33 | 4.71 |
| E07121-E07119 | 8 | 273 | 0.007 | 8 | 6,624.44 | 0.84 | 481 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 789,989.80 | 4.07 |
| G03061-G03059 | 8 | 351 | 0.009 | 5.7 | 4,753.62 | 0.84 | 510 | 507 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 853,286.50 | 4.40 |
| H11141-H11139 | 8 | 259 | 0.004 | 11.9 | 11,776.64 | 0.84 | 377 | 376 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 573,505.95 | 2.96 |
| G03057-G03055 | 8 | 351 | 0.009 | 5.7 | 4,756.50 | 0.84 | 511 | 508 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 853,286.50 | 4.40 |
| C03061-C03059 | 8 | 280 | 0.025 | 2.7 | 1,459.73 | 0.84 | 643 | 636 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,459,344.45 | 7.53 |
| F15137-F15135 | 8 | 160 | 0.013 | 5.6 | 3,576.10 | 0.84 | 459 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,031,912.36 | 5.32 |
| D10095-D09023 | 8 | 305 | 0.007 | 12.1 | 5,269.45 | 0.84 | 454 | 452 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 747,399.64 | 3.85 |
| D13111-D13065 | 10 | 222 | 0.011 | 7.6 | 4,284.90 | 0.84 | 432 | 429.5 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,775,857.14 | 5.50 |
| G13125-G13123 | 8 | 277 | 0.01 | 4.8 | 2,873.74 | 0.84 | 380.9 | 378 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 944,380.31 | 4.87 |
| J15029-J15027 | 8 | 93 | 0.011 | 4.4 | 3,364.34 | 0.84 | 334 | 333 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 957,075.80 | 4.94 |
| H06015-H06013 | 8 | 139 | 0.014 | 17.1 | 2,728.04 | 0.84 | 443 | 441 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,107,121.81 | 5.71 |
| F05035-F05033 | 8 | 179 | 0.017 | 3.9 | 2,022.42 | 0.84 | 503 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,194,873.47 | 6.16 |
| E12167-E12165 | 8 | 249 | 0.004 | 11.9 | 17,113.27 | 0.84 | 409 | 408 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 584,908.77 | 3.02 |
| E12135-E12133 | 8 | 224 | 0.009 | 6.7 | 5,926.94 | 0.84 | 410 | 408 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 872,125.12 | 4.50 |
| F07041-F07039 | 8 | 335 | 0.006 | 10 | 9,491.85 | 0.84 | 464 | 462 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 713,149.20 | 3.68 |
| E06031-E06029 | 6 | 260 | 0.012 | 8.6 | 2,875.62 | 0.84 | 494 | 491 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 460,353.87 | 3.56 |
| E12165-E12163 | 8 | 247 | 0.004 | 12.1 | 17,873.52 | 0.84 | 408 | 407 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,272.05 | 3.03 |
| G08087-G08069 | 8 | 239 | 0.008 | 46.8 | 6,033.20 | 0.84 | 444 | 442 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 844,313.74 | 4.35 |
| F05013-F05011 | 8 | 260 | 0.004 | 11.9 | 14,008.46 | 0.84 | 505 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 572,401.99 | 2.95 |
| F14037-F14031 | 8 | 386 | 0.014 | 4.2 | 2,347.43 | 0.84 | 441 | 435.61 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,090,657.87 | 5.62 |
| F07161-F07159 | 8 | 59 | 0.017 | 4.6 | 2,421.16 | 0.84 | 465 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,201,605.21 | 6.20 |
| F18015-F18013 | 8 | 329 | 0.006 | 7.8 | 8,715.55 | 0.84 | 538 | 536 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 719,622.70 | 3.71 |
| G07085-G07083 | 8 | 270 | 0.004 | 12.5 | 16,175.19 | 0.84 | 453 | 452 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 561,701.94 | 2.90 |
| E03061-E03059 | 8 | 327 | 0.012 | 6.2 | 3,913.16 | 0.84 | 578 | 574 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,020,807.67 | 5.26 |
| D13073-D13071 | 8 | 256 | 0.002 | 20.2 | 36,376.00 | 0.84 | 431 | 430.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 407,899.17 | 2.10 |
| D15033-D14001 | 8 | 233 | 0.004 | 11.4 | 13,407.68 | 0.84 | 458 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 604,658.06 | 3.12 |
| E05039-E05037 | 8 | 269 | 0.004 | 11.8 | 15,756.59 | 0.84 | 532 | 531 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 562,745.03 | 2.90 |
| F03192-F03191 | 8 | 202 | 0.012 | 4.4 | 3,188.74 | 0.84 | 536.52 | 534.05 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,020,611.83 | 5.26 |
| E04107-E04105 | 8 | 277 | 0.011 | 13.6 | 3,932.23 | 0.84 | 553 | 550 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 960,524.73 | 4.95 |
| D13031-D13029 | 8 | 101 | 0.01 | 5.5 | 4,710.43 | 0.84 | 429 | 428 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 918,389.95 | 4.74 |
| G08005-G08003 | 8 | 390 | 0.01 | 5.1 | 3,224.60 | 0.84 | 441 | 437 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 934,728.53 | 4.82 |
| D01045-D02057 | 8 | 249 | 0.012 | 11.4 | 3,953.72 | 0.84 | 611 | 608 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,013,091.71 | 5.22 |
| E13105-E13103 | 8 | 316 | 0.006 | 10.6 | 7,815.40 | 0.84 | 432 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 734,275.88 | 3.79 |
| D07017-D07015 | 8 | 281 | 0.011 | 5 | 4,045.71 | 0.84 | 500 | 497 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 953,663.75 | 4.92 |
| D02103-D02101 | 8 | 162 | 0.006 | 9.8 | 8,400.02 | 0.84 | 618 | 617 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 725,154.09 | 3.74 |
| F06117-F06115 | 10 | 229 | 0.002 | 14.7 | 36,385.88 | 0.84 | 482 | 481.5 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 781,955.02 | 2.42 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| G13123-H13087 | 8 | 271 | 0.007 | 10.2 | 4,698.40 | 0.84 | 378 | 376 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 792,899.53 | 4.09 |
| L14075-L14053 | 8 | 197 | 0.003 | 51.6 | 19,142.37 | 0.84 | 313.5 | 313 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 464,985.81 | 2.40 |
| E12163-E12161 | 8 | 249 | 0.004 | 12.6 | 19,033.27 | 0.84 | 407 | 406 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 584,908.77 | 3.02 |
| H11159-H11157 | 8 | 335 | 0.006 | 7.1 | 6,267.57 | 0.84 | 381 | 379 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 713,149.20 | 3.68 |
| D03115-D03113 | 8 | 207 | 0.01 | 6.5 | 5,203.21 | 0.84 | 579 | 577 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 907,230.48 | 4.68 |
| L13023-L13021 | 8 | 166 | 0.006 | 8 | 9,362.65 | 0.85 | 329 | 328 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 716,364.02 | 3.69 |
| E06035-E06033 | 8 | 231 | 0.004 | 18.9 | 11,364.15 | 0.85 | 494 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 607,269.99 | 3.13 |
| H13045-H13043 | 6 | 39 | 0.008 | 8.3 | 3,712.74 | 0.85 | 373.5 | 373.2 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 375,877.36 | 2.91 |
| L13039-L13037 | 8 | 101 | 0.005 | 8.8 | 9,858.58 | 0.85 | 332.5 | 332 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 649,399.76 | 3.35 |
| C07057-C07055 | 8 | 254 | 0.012 | 5.2 | 3,940.80 | 0.85 | 518 | 515 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,003,070.77 | 5.17 |
| F07145-F07143 | 8 | 318 | 0.013 | 5.8 | 3,648.36 | 0.85 | 468 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,035,152.28 | 5.34 |
| H11123-H11121 | 8 | 337 | 0.018 | 5.4 | 1,612.30 | 0.85 | 381 | 375 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,231,539.89 | 6.35 |
| H07025-H07023 | 12 | 258 | 0.003 | 8.8 | 22,000.81 | 0.85 | 436.77 | 436 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,486,620.12 | 2.88 |
| D02035-D02033 | 8 | 251 | 0.008 | 9.8 | 6,190.73 | 0.85 | 622 | 620 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 823,883.76 | 4.25 |
| D14027-D13047 | 8 | 202 | 0.005 | 9.4 | 11,867.49 | 0.85 | 449 | 448 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 649,399.76 | 3.35 |
| G13033-G13031 | 8 | 162 | 0.012 | 12.7 | 2,639.28 | 0.85 | 393 | 391 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,025,522.75 | 5.29 |
| C07025-C07023 | 8 | 167 | 0.012 | 10 | 3,833.46 | 0.85 | 513 | 511 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,010,053.95 | 5.21 |
| F13123-F12131 | 8 | 233 | 0.009 | 7.3 | 6,714.49 | 0.85 | 411 | 409 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 855,115.63 | 4.41 |
| F02084-F02082 | 8 | 216 | 0.006 | 7.2 | 7,144.66 | 0.85 | 540.4 | 539.1 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 738,603.68 | 3.81 |
| F06051-F07103 | 8 | 330 | 0.009 | 10.3 | 5,434.66 | 0.85 | 482 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 880,017.82 | 4.54 |
| D03057-D03055 | 8 | 260 | 0.015 | 68.4 | 2,915.98 | 0.85 | 591 | 587 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,144,803.98 | 5.90 |
| D14125-D14119 | 8 | 67 | 0.015 | 5.2 | 3,168.86 | 0.85 | 473 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,127,587.90 | 5.82 |
| G07023-G08097 | 8 | 128 | 0.004 | 11.4 | 15,530.69 | 0.85 | 447.5 | 447 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| E15027-E15001 | 8 | 192 | 0.016 | 18.9 | 2,782.94 | 0.85 | 458 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,153,713.09 | 5.95 |
| E18069-E18067 | 8 | 260 | 0.007 | 7.3 | 7,553.71 | 0.85 | 547.75 | 546.02 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 752,877.27 | 3.88 |
| F12019-F12017 | 8 | 232 | 0.006 | 13.9 | 7,464.92 | 0.85 | 398 | 396.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 690,900.47 | 3.56 |
| C06061-C06059 | 8 | 293 | 0.017 | 5.1 | 2,088.06 | 0.85 | 546 | 541 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,205,699.27 | 6.22 |
| J08065-J08063 | 10 | 301 | 0.003 | 17 | 51,010.62 | 0.85 | 394.14 | 393.38 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 840,887.81 | 2.60 |
| H06057-H06055 | 8 | 350 | 0.006 | 8.5 | 7,791.75 | 0.85 | 441 | 439 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 697,700.10 | 3.60 |
| F06001-F07059 | 8 | 141 | 0.007 | 7.7 | 9,286.32 | 0.85 | 469 | 468 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 777,281.36 | 4.01 |
| L13025-L13023 | 8 | 83 | 0.006 | 8 | 9,378.56 | 0.85 | 329.5 | 329 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 716,364.02 | 3.69 |
| K11039-K11037 | 8 | 321 | 0.003 | 12 | 15,784.77 | 0.85 | 356 | 355 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 515,151.88 | 2.66 |
| D13091-D13089 | 8 | 303 | 0.013 | 4.9 | 3,573.22 | 0.85 | 450 | 446 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,060,465.36 | 5.47 |
| G08127-G08125 | 8 | 337 | 0.006 | 9.9 | 9,084.79 | 0.85 | 441 | 439 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 711,029.88 | 3.67 |
| F14131-F13083 | 8 | 178 | 0.025 | 4.9 | 1,590.25 | 0.85 | 426.11 | 421.59 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,470,777.66 | 7.59 |
| J07139-J07137 | 8 | 295 | 0.006 | 7.4 | 7,379.80 | 0.85 | 423.29 | 421.39 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 740,719.20 | 3.82 |
| H11057-H11055 | 8 | 290 | 0.007 | 6 | 5,370.07 | 0.85 | 383 | 381 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 766,485.26 | 3.95 |
| E04005-E04003 | 8 | 404 | 0.012 | 5.5 | 3,926.64 | 0.85 | 554 | 549 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,026,791.17 | 5.30 |
| L13041-L13039 | 8 | 101 | 0.005 | 8.6 | 9,981.29 | 0.85 | 333 | 332.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 649,399.76 | 3.35 |
| F15067-F15065 | 8 | 223 | 0.013 | 7.7 | 3,569.82 | 0.85 | 463 | 460 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,070,523.00 | 5.52 |
| K12041-K12039 | 8 | 253 | 0.004 | 10.3 | 11,929.36 | 0.85 | 348 | 347 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 580,266.56 | 2.99 |
| F14031-F14029 | 8 | 65 | 0.009 | 7.5 | 4,163.78 | 0.85 | 435.61 | 435 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 894,120.49 | 4.61 |
| J11115-J11091 | 8 | 331 | 0.003 | 15.5 | 26,306.14 | 0.85 | 373 | 372 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 507,310.45 | 2.62 |
| L13137-L13135 | 8 | 280 | 0.004 | 11.6 | 13,591.15 | 0.85 | 320 | 319 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 551,580.36 | 2.84 |
| G13101-G13097 | 8 | 227 | 0.004 | 19.4 | 8,587.60 | 0.86 | 391 | 390 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 612,597.02 | 3.16 |
| L14027-L14025 | 8 | 276 | 0.004 | 10.7 | 13,437.55 | 0.86 | 314 | 313 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 555,562.94 | 2.87 |
| J11127-J11125 | 8 | 354 | 0.006 | 10.3 | 9,951.74 | 0.86 | 379 | 377 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 693,747.09 | 3.58 |
| G08129-G08123 | 12 | 326 | 0.003 | 9.6 | 28,987.44 | 0.86 | 439 | 438 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,507,147.29 | 2.91 |
| G07059-G07057 | 8 | 213 | 0.005 | 11.8 | 12,401.79 | 0.86 | 456 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 632,408.95 | 3.26 |
| G02003-F02037 | 8 | 330 | 0.013 | 8.3 | 3,113.47 | 0.86 | 528.51 | 524.22 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,052,348.25 | 5.43 |
| E17011-E17009 | 8 | 250 | 0.004 | 13.2 | 15,618.04 | 0.86 | 505 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 583,737.78 | 3.01 |
| F05093-F05091 | 8 | 388 | 0.01 | 6 | 4,340.59 | 0.86 | 519 | 515 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 937,134.53 | 4.83 |
| F14115-F14107 | 8 | 255 | 0.008 | 19.2 | 7,119.21 | 0.86 | 440 | 438 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 817,396.39 | 4.22 |
| C06069-C06067 | 8 | 118 | 0.076 | 1.3 | 331.11 | 0.86 | 584 | 575 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,548,989.57 | 13.15 |
| D03027-D03025 | 8 | 306 | 0.023 | 3.2 | 1,824.67 | 0.86 | 627 | 620 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,395,970.09 | 7.20 |
| G07057-G07051 | 8 | 335 | 0.003 | 13.9 | 20,901.45 | 0.86 | 455 | 454 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 504,272.64 | 2.60 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| G14069-G14067 | 8 | 110 | 0.005 | 11.3 | 9,860.87 | 0.86 | 416 | 415.48 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 634,589.87 | 3.27 |
| E12161-E12159 | 8 | 249 | 0.004 | 12.8 | 20,590.36 | 0.86 | 406 | 405 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 584,908.77 | 3.02 |
| F12117-F12115 | 8 | 213 | 0.009 | 6.1 | 5,932.60 | 0.86 | 409 | 407 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 894,361.31 | 4.61 |
| K13013-K13009 | 8 | 263 | 0.003 | 12.3 | 17,047.15 | 0.86 | 323.4 | 322.54 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 527,787.57 | 2.72 |
| F08055-F08053 | 8 | 219 | 0.005 | 9.5 | 9,657.33 | 0.86 | 442 | 441 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 623,685.65 | 3.22 |
| K14065-K14063 | 8 | 246 | 0.004 | 10.6 | 12,811.96 | 0.86 | 332 | 331 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 588,464.48 | 3.03 |
| F08039-F08037 | 8 | 241 | 0.012 | 5.4 | 2,900.54 | 0.86 | 440 | 437 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,029,769.24 | 5.31 |
| F04025-F04023 | 12 | 349 | 0.011 | 3.2 | 5,101.26 | 0.86 | 512 | 508 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,913,277.00 | 5.63 |
| D02067-D02065 | 8 | 327 | 0.021 | 5.3 | 2,189.60 | 0.86 | 620 | 613 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,350,401.62 | 6.96 |
| J12047-J12045 | 8 | 416 | 0.005 | 12 | 14,760.02 | 0.86 | 363 | 361 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 639,964.88 | 3.30 |
| D07021-D07019 | 8 | 346 | 0.017 | 3.4 | 2,302.13 | 0.86 | 512 | 506 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,215,417.21 | 6.27 |
| G08119-G08117 | 12 | 226 | 0.002 | 12.6 | 43,480.16 | 0.86 | 436.5 | 436 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,279,956.71 | 2.48 |
| H09011-H09009 | 8 | 299 | 0.002 | 24.3 | 50,408.04 | 0.86 | 408.53 | 408 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 388,588.68 | 2.00 |
| D08071-D08069 | 10 | 228 | 0.007 | 6.8 | 10,626.24 | 0.86 | 486 | 484.5 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,357,352.71 | 4.20 |
| G09129-G09127 | 8 | 210 | 0.005 | 10.9 | 13,646.24 | 0.86 | 418 | 417 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 636,910.14 | 3.28 |
| G14071-G14069 | 8 | 208 | 0.005 | 8.6 | 9,369.90 | 0.86 | 417 | 416 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 639,964.88 | 3.30 |
| G14011-G14009 | 8 | 336 | 0.009 | 5.4 | 4,891.29 | 0.86 | 413 | 410 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 872,125.12 | 4.50 |
| H04029-H04001 | 8 | 248 | 0.008 | 16.1 | 14,097.41 | 0.86 | 470 | 468 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 828,851.95 | 4.27 |
| D02063-D02061 | 8 | 278 | 0.007 | 7.8 | 8,004.05 | 0.86 | 612 | 610 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 782,853.34 | 4.04 |
| F05089-F05087 | 8 | 249 | 0.004 | 11.6 | 13,467.84 | 0.86 | 511 | 510 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 584,908.77 | 3.02 |
| G14077-G14075 | 8 | 148 | 0.008 | 6.6 | 4,964.70 | 0.86 | 423.74 | 422.59 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 813,590.50 | 4.20 |
| K14085-L14039 | 8 | 281 | 0.007 | 7.5 | 6,582.86 | 0.87 | 321 | 319 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 778,663.19 | 4.02 |
| E03107-E03105 | 8 | 166 | 0.006 | 9.2 | 10,809.07 | 0.87 | 570 | 569 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 716,364.02 | 3.69 |
| J08063-J08033 | 10 | 291 | 0.003 | 16.7 | 51,086.62 | 0.87 | 394.87 | 394.14 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 838,164.85 | 2.59 |
| C07035-C07033 | 8 | 174 | 0.017 | 3.3 | 2,305.35 | 0.87 | 521 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,211,919.60 | 6.25 |
| D13085-D13083 | 8 | 180 | 0.022 | 3.3 | 1,987.82 | 0.87 | 449 | 445 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,375,883.14 | 7.10 |
| E05167-E05157 | 8 | 343 | 0.023 | 5.1 | 1,594.37 | 0.87 | 528 | 520 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,409,567.06 | 7.27 |
| H14023-H14021 | 8 | 219 | 0.005 | 9.5 | 10,715.23 | 0.87 | 394 | 393 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 623,685.65 | 3.22 |
| E03111-E03107 | 8 | 216 | 0.009 | 7.4 | 6,926.14 | 0.87 | 572 | 570 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 888,128.75 | 4.58 |
| G08025-G08011 | 8 | 252 | 0.004 | 15 | 12,839.69 | 0.87 | 435 | 434 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 581,416.75 | 3.00 |
| L13043-L13041 | 8 | 99 | 0.005 | 8.6 | 10,102.24 | 0.87 | 333.5 | 333 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,926.55 | 3.38 |
| F03189-F03187 | 8 | 0 | 0.015 | 4.6 | 2,776.35 | 0.87 | 536.79 | 532.43 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,125,893.32 | 5.81 |
| G14001-G13061 | 8 | 318 | 0.003 | 13.8 | 12,734.25 | 0.87 | 406 | 405 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 517,576.14 | 2.67 |
| C03051-D03035 | 8 | 327 | 0.028 | 3 | 1,459.73 | 0.87 | 634 | 625 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,531,211.51 | 7.90 |
| C07093-C07091 | 8 | 287 | 0.003 | 12.3 | 17,582.48 | 0.87 | 525 | 524 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 544,812.24 | 2.81 |
| C03053-D03045 | 8 | 290 | 0.028 | 3.1 | 1,459.73 | 0.87 | 637 | 629 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,532,970.51 | 7.91 |
| F04129-F04127 | 8 | 260 | 0.009 | 7.7 | 5,158.66 | 0.87 | 519 | 516.66 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 875,606.67 | 4.52 |
| G05127-G05111 | 8 | 267 | 0.007 | 7.2 | 6,681.56 | 0.87 | 489 | 487 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 798,816.77 | 4.12 |
| C05009-C05007 | 8 | 361 | 0.039 | 2.8 | 1,094.80 | 0.87 | 624 | 610 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,817,599.62 | 9.37 |
| G09077-G09075 | 8 | 320 | 0.003 | 13.9 | 14,313.48 | 0.87 | 402 | 401 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 515,956.18 | 2.66 |
| E11025-E11023 | 8 | 388 | 0.008 | 7.6 | 7,255.25 | 0.87 | 410 | 407 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 811,582.31 | 4.19 |
| J14009-J14007 | 8 | 275 | 0.004 | 12.2 | 14,021.51 | 0.87 | 333 | 332 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 556,572.14 | 2.87 |
| J11119-J11117 | 8 | 328 | 0.003 | 14.7 | 23,651.03 | 0.87 | 376 | 375 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 509,625.19 | 2.63 |
| F10007-F10005 | 8 | 250 | 0.008 | 46.4 | 6,332.84 | 0.87 | 414 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 825,529.89 | 4.26 |
| G08021-G08015 | 8 | 298 | 0.003 | 13.5 | 14,994.55 | 0.87 | 440 | 439 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 534,662.44 | 2.76 |
| C06025-C06021 | 8 | 189 | 0.011 | 6.6 | 4,313.44 | 0.87 | 556 | 554 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 949,449.57 | 4.90 |
| E02064-E02062 | 8 | 261.1 | 0.004 | 10.1 | 12,944.73 | 0.87 | 559.45 | 558.3 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 612,655.69 | 3.16 |
| F17033-F17030 | 8 | 49 | 0.004 | 13.6 | 22,369.50 | 0.87 | 516.41 | 516.23 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 559,404.58 | 2.89 |
| D16075-D16073 | 8 | 199 | 0.005 | 10.1 | 12,069.60 | 0.87 | 481 | 480 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 654,276.42 | 3.37 |
| D03089-D03087 | 8 | 313 | 0.013 | 7.1 | 4,366.76 | 0.87 | 594 | 590 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,043,387.51 | 5.38 |
| H13085-H13059 | 8 | 380 | 0.018 | 6.2 | 1,620.73 | 0.87 | 376 | 369 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,252,694.09 | 6.46 |
| E08077-E08075 | 12 | 411 | 0.002 | 10.7 | 32,044.36 | 0.87 | 458 | 457 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,342,281.45 | 2.60 |
| E06077-E06075 | 8 | 247 | 0.008 | 6.7 | 5,751.25 | 0.87 | 514 | 512 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 830,528.10 | 4.28 |
| F15135-F15133 | 8 | 257 | 0.008 | 6.8 | 7,535.02 | 0.87 | 457 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 814,209.65 | 4.20 |
| F02072-F02070 | 8 | 0 | 0.01 | 9 | 4,856.81 | 0.87 | 536.24 | 535.09 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 903,537.34 | 4.66 |
| E16049-E15079 | 8 | 280 | 0.011 | 5.3 | 5,012.51 | 0.87 | 482 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 955,365.20 | 4.93 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| F18039-F18031 | 8 | 249 | 0.008 | 13.2 | 7,508.44 | 0.87 | 546 | 544 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 827,185.92 | 4.27 |
| E08067-E08057 | 15 | 441 | 0.002 | 12.5 | 35,654.11 | 0.87 | 465 | 464 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,349,480.82 | 3.03 |
| E04043-E04041 | 8 | 136 | 0.015 | 8.2 | 3,276.85 | 0.87 | 547 | 545 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,119,266.10 | 5.77 |
| G05109-G05095 | 8 | 292 | 0.003 | 30.1 | 18,248.45 | 0.87 | 483 | 482 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 540,127.61 | 2.79 |
| F02083-F02082 | 8 | 121 | 0.017 | 5.3 | 2,391.56 | 0.87 | 540.6 | 539.1 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,191,549.76 | 6.15 |
| J06047-J07139 | 8 | 288 | 0.006 | 7.2 | 7,647.06 | 0.88 | 425.15 | 423.29 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 741,733.74 | 3.83 |
| E12035-E12033 | 10 | 287 | 0.003 | 56.4 | 24,541.85 | 0.88 | 416 | 415 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 987,810.32 | 3.06 |
| D07039-D07011 | 8 | 269 | 0.015 | 5.5 | 3,174.79 | 0.88 | 495 | 491 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,125,490.06 | 5.80 |
| D15063-D15059 | 8 | 137 | 0.039 | 4.4 | 1,192.69 | 0.88 | 499 | 493.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,815,371.27 | 9.36 |
| G09099-G09097 | 8 | 290 | 0.007 | 10.8 | 5,859.01 | 0.88 | 404 | 402 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 766,485.26 | 3.95 |
| E07109-F07107 | 8 | 328 | 0.006 | 10.3 | 11,289.49 | 0.88 | 482.9 | 481 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 702,469.84 | 3.62 |
| E09095-E09077 | 8 | 53 | 0.009 | 47.9 | 4,678.13 | 0.88 | 424.5 | 424 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 896,468.17 | 4.62 |
| K14063-K14061 | 8 | 263 | 0.004 | 11.3 | 14,526.78 | 0.88 | 331 | 330 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 569,127.97 | 2.94 |
| H06059-H07019 | 8 | 361 | 0.004 | 11.4 | 15,102.45 | 0.88 | 441.6 | 440.31 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 551,733.13 | 2.85 |
| F05125-F05119 | 8 | 325 | 0.003 | 14 | 21,641.45 | 0.88 | 493 | 492 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 511,971.90 | 2.64 |
| E17007-E17003 | 8 | 147 | 0.014 | 6.3 | 3,806.57 | 0.88 | 526 | 524 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,076,574.62 | 5.55 |
| E08023-E08021 | 15 | 332 | 0.009 | 4.5 | 6,827.24 | 0.88 | 451 | 448 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,690,107.37 | 6.05 |
| D10059-D10057 | 8 | 230 | 0.004 | 10.6 | 10,530.12 | 0.88 | 449 | 448 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 608,588.71 | 3.14 |
| F07109-F07083 | 8 | 295 | 0.003 | 22.3 | 18,735.11 | 0.88 | 475 | 474 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 537,374.18 | 2.77 |
| E07127-E07125 | 8 | 247 | 0.004 | 12.3 | 16,736.59 | 0.88 | 476 | 475 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,272.05 | 3.03 |
| E11011-E11009 | 8 | 62 | 0.016 | 4.2 | 2,149.74 | 0.88 | 427 | 426 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,172,173.67 | 6.05 |
| D07019-D07017 | 8 | 344 | 0.017 | 4.1 | 2,626.57 | 0.88 | 506 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,218,945.28 | 6.29 |
| E13045-E12035 | 8 | 211 | 0.009 | 10 | 7,092.46 | 0.88 | 418 | 416 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 898,589.99 | 4.63 |
| E13111-E13059 | 8 | 301 | 0.01 | 20.4 | 5,935.61 | 0.88 | 415 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 921,436.02 | 4.75 |
| F06101-F06065 | 8 | 325 | 0.003 | 23.7 | 23,781.94 | 0.88 | 483 | 482 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 511,971.90 | 2.64 |
| G04001-G05013 | 8 | 256 | 0.008 | 10.7 | 16,445.10 | 0.88 | 478 | 476 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 815,798.35 | 4.21 |
| G09037-G09035 | 8 | 216 | 0.009 | 5.2 | 4,299.47 | 0.88 | 429 | 427 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 888,128.75 | 4.58 |
| F13115-F13113 | 8 | 171 | 0.006 | 8.3 | 10,042.33 | 0.88 | 418 | 417 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 705,813.16 | 3.64 |
| D11057-E11049 | 8 | 275 | 0.015 | 4.5 | 3,653.42 | 0.88 | 432 | 428 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,113,144.27 | 5.74 |
| E18065-E18063 | 8 | 167 | 0.006 | 8.3 | 10,282.78 | 0.88 | 544.15 | 543.1 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 731,853.61 | 3.77 |
| F07159-F07157 | 8 | 322 | 0.009 | 7 | 6,063.68 | 0.88 | 464 | 461 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 890,882.65 | 4.59 |
| J08017-J08015 | 8 | 174 | 0.004 | 13.3 | 17,357.00 | 0.88 | 402.2 | 401.55 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 564,117.88 | 2.91 |
| F04183-F04181 | 8 | 204 | 0.003 | 15.6 | 24,925.92 | 0.88 | 527.54 | 527 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 474,864.39 | 2.45 |
| J08021-J08019 | 8 | 301 | 0.003 | 12.3 | 17,536.32 | 0.88 | 404.35 | 403.31 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 542,526.84 | 2.80 |
| E15005-E15003 | 8 | 191 | 0.016 | 22.2 | 3,180.51 | 0.88 | 459 | 456 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,156,729.34 | 5.97 |
| D15035-D15033 | 8 | 136 | 0.008 | 8.5 | 7,510.48 | 0.88 | 459.12 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 837,582.06 | 4.32 |
| D12001-E12031 | 8 | 249 | 0.008 | 7.3 | 7,541.76 | 0.89 | 422 | 420 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 827,185.92 | 4.27 |
| K14005-K14003 | 8 | 308 | 0.006 | 8.6 | 8,021.47 | 0.89 | 327 | 325 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 743,750.80 | 3.84 |
| E17017-E16067 | 8 | 258 | 0.012 | 6.1 | 4,530.29 | 0.89 | 503 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 995,264.66 | 5.13 |
| E16079-E17021 | 8 | 147 | 0.003 | 14.2 | 23,324.82 | 0.89 | 499.5 | 499 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 538,287.31 | 2.78 |
| E06013-E06011 | 8 | 257 | 0.004 | 17.2 | 14,129.68 | 0.89 | 519 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 575,733.16 | 2.97 |
| F04031-G04133 | 8 | 298 | 0.01 | 6.1 | 5,452.07 | 0.89 | 504 | 501 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 926,062.51 | 4.78 |
| H10009-H10007 | 12 | 214 | 0.002 | 15.9 | 59,727.57 | 0.89 | 386.6 | 386.26 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,084,668.60 | 2.10 |
| J06057-J06047 | 8 | 303 | 0.006 | 7.4 | 7,942.86 | 0.89 | 427.04 | 425.15 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 728,949.42 | 3.76 |
| H07023-H07009 | 12 | 252 | 0.003 | 13.6 | 25,726.05 | 0.89 | 436 | 435.26 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,474,619.89 | 2.85 |
| H11067-H11065 | 8 | 116 | 0.005 | 8.2 | 9,083.85 | 0.89 | 385.6 | 385 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 663,795.70 | 3.42 |
| D04125-E04095 | 6 | 292 | 0.01 | 8.6 | 4,587.60 | 0.89 | 568 | 565 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 434,397.23 | 3.36 |
| D04123-E04093 | 6 | 292 | 0.01 | 8.6 | 4,587.60 | 0.89 | 571 | 568 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 434,397.23 | 3.36 |
| J08123-J08027 | 8 | 171 | 0.003 | 12.7 | 18,232.69 | 0.89 | 405.56 | 405 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 528,182.21 | 2.72 |
| E08021-E08019 | 8 | 284 | 0.004 | 12.6 | 15,599.86 | 0.89 | 448 | 447 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 547,682.21 | 2.82 |
| G14095-H14029 | 8 | 266 | 0.004 | 9.2 | 10,513.68 | 0.89 | 396.78 | 395.65 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 601,570.06 | 3.10 |
| E08069-E08047 | 8 | 278 | 0.007 | 20.3 | 7,177.95 | 0.89 | 463 | 461 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 782,853.34 | 4.04 |
| G11029-G11027 | 8 | 302 | 0.003 | 13.5 | 16,411.38 | 0.89 | 385 | 384 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 531,109.83 | 2.74 |
| J11033-J11031 | 8 | 330 | 0.005 | 34.8 | 12,261.92 | 0.89 | 378 | 376.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 622,266.57 | 3.21 |
| L13135-L13133 | 8 | 296 | 0.003 | 12.9 | 17,303.18 | 0.89 | 319 | 318 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 536,465.69 | 2.77 |
| D06049-D06047 | 8 | 317 | 0.006 | 9.5 | 8,556.66 | 0.89 | 559 | 557 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 733,116.80 | 3.78 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| F04143-F04141 | 8 | 20 | 0.05 | 23.3 | 797.19 | 0.89 | 519 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,063,824.72 | 10.64 |
| K12045-K11077 | 8 | 288 | 0.003 | 12.2 | 15,864.26 | 0.89 | 352 | 351 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 543,865.57 | 2.80 |
| D08085-D08083 | 8 | 152 | 0.013 | 5.3 | 4,222.64 | 0.89 | 460 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,058,719.74 | 5.46 |
| C07087-C07081 | 8 | 282 | 0.004 | 13.2 | 20,362.10 | 0.89 | 522 | 521 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 549,620.92 | 2.83 |
| D04071-D04069 | 8 | 175 | 0.017 | 67.7 | 2,896.33 | 0.89 | 574 | 571 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,208,452.02 | 6.23 |
| D16081-D15011 | 8 | 108 | 0.005 | 10.9 | 14,452.38 | 0.89 | 480.95 | 480.44 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 634,250.79 | 3.27 |
| E04041-E04035 | 8 | 264 | 0.004 | 13.4 | 18,753.12 | 0.89 | 545 | 544 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 568,049.06 | 2.93 |
| E02033-E02031 | 8 | 257 | 0.004 | 10.4 | 13,184.55 | 0.89 | 568.5 | 567.48 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 582,031.77 | 3.00 |
| G05147-G05145 | 8 | 306 | 0.02 | 79 | 2,107.69 | 0.89 | 490 | 484 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,292,417.17 | 6.67 |
| J11121-J11119 | 8 | 334 | 0.012 | 9.8 | 4,580.75 | 0.89 | 380 | 376 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,010,053.95 | 5.21 |
| F14095-F14085 | 8 | 253 | 0.012 | 9.8 | 5,146.10 | 0.89 | 440 | 437 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,005,051.17 | 5.18 |
| F13111-F13109 | 8 | 89 | 0.006 | 11.1 | 11,602.76 | 0.89 | 416 | 415.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 691,795.62 | 3.57 |
| G03023-G03021 | 8 | 349 | 0.011 | 6.1 | 4,349.71 | 0.9 | 507 | 503 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 988,109.53 | 5.10 |
| G07069-G07063 | 8 | 249 | 0.012 | 6 | 3,945.03 | 0.9 | 462 | 459 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,013,091.71 | 5.22 |
| C07053-C07051 | 8 | 328 | 0.003 | 15.7 | 27,321.10 | 0.9 | 513 | 512 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 509,625.19 | 2.63 |
| E15091-E15057 | 8 | 325 | 0.006 | 13.1 | 9,918.05 | 0.9 | 460 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 724,037.61 | 3.73 |
| E02049-E02047 | 8 | 253 | 0.008 | 7.3 | 6,115.38 | 0.9 | 588.69 | 586.57 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 844,880.87 | 4.36 |
| F13103-F13101 | 8 | 277 | 0.004 | 13.3 | 20,869.28 | 0.9 | 412 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 554,559.21 | 2.86 |
| E14137-E14135 | 10 | 331 | 0.006 | 6.9 | 12,468.71 | 0.9 | 442 | 440 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,300,814.92 | 4.03 |
| E18067-E18065 | 8 | 259 | 0.007 | 7.9 | 8,718.74 | 0.9 | 546.02 | 544.15 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 784,257.59 | 4.04 |
| D03069-D03067 | 8 | 275 | 0.007 | 7.9 | 10,113.15 | 0.9 | 610 | 608 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 787,111.86 | 4.06 |
| F12115-F12113 | 8 | 224 | 0.009 | 7.3 | 7,111.52 | 0.9 | 407 | 405 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 872,125.12 | 4.50 |
| E12033-E12025 | 10 | 246 | 0.004 | 100 | 24,883.84 | 0.9 | 415 | 414 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,066,957.09 | 3.30 |
| C05025-C05023 | 8 | 285 | 0.042 | 2.5 | 1,094.80 | 0.9 | 618 | 606 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,893,895.45 | 9.77 |
| E09051-E09047 | 8 | 283 | 0.014 | 7 | 3,051.36 | 0.9 | 442 | 438 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,097,297.99 | 5.66 |
| F04073-F04071 | 8 | 265 | 0.004 | 11.4 | 15,678.77 | 0.9 | 517.91 | 516.88 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 575,418.05 | 2.97 |
| K12053-K12051 | 8 | 362 | 0.003 | 14.9 | 23,258.96 | 0.9 | 347 | 346 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 485,102.51 | 2.50 |
| H04027-H04025 | 8 | 242 | 0.008 | 9.7 | 16,594.38 | 0.9 | 480 | 478 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 839,064.07 | 4.33 |
| H11021-H11019 | 8 | 201 | 0.01 | 100 | 4,296.11 | 0.9 | 370 | 368 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 920,671.66 | 4.75 |
| D14099-D14097 | 8 | 100 | 0.005 | 9.9 | 13,106.99 | 0.9 | 457 | 456.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 652,638.68 | 3.37 |
| G05067-H05035 | 8 | 247 | 0.012 | 9 | 9,782.24 | 0.9 | 467 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,017,185.03 | 5.25 |
| D14107-D14105 | 8 | 80 | 0.025 | 3 | 1,987.82 | 0.9 | 462 | 460 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,459,344.45 | 7.53 |
| C02088-C02086 | 8 | 0 | 0.025 | 4.3 | 2,584.29 | 0.9 | 660 | 653.57 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,471,407.73 | 7.59 |
| D08089-D08087 | 8 | 333 | 0.012 | 4.7 | 3,740.51 | 0.9 | 467 | 463 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,011,569.41 | 5.22 |
| E11019-F11015 | 8 | 388 | 0.005 | 10.6 | 15,485.79 | 0.9 | 402 | 400 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 662,654.18 | 3.42 |
| J14077-J14075 | 8 | 258 | 0.004 | 12 | 14,386.36 | 0.9 | 338 | 337 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 574,616.32 | 2.96 |
| E04065-E04059 | 8 | 125 | 0.016 | 5.6 | 3,276.85 | 0.9 | 549 | 547 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,167,475.56 | 6.02 |
| E08029-E08027 | 15 | 261 | 0.011 | 2.3 | 4,702.38 | 0.9 | 457 | 454 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,289,706.47 | 6.82 |
| C02067-C02065 | 8 | 274 | 0.011 | 6.2 | 5,463.49 | 0.9 | 632 | 629 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 965,768.76 | 4.98 |
| E04019-E04017 | 8 | 244 | 0.012 | 5.5 | 4,587.60 | 0.9 | 556 | 553 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,023,419.11 | 5.28 |
| K12063-K12061 | 8 | 350 | 0.003 | 13.9 | 20,365.31 | 0.9 | 368 | 367 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 493,348.47 | 2.54 |
| G08001-G09049 | 8 | 379 | 0.005 | 8.4 | 9,656.39 | 0.9 | 433 | 431 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 670,475.94 | 3.46 |
| F01021-F01019 | 8 | 193 | 0.007 | 6.7 | 7,083.25 | 0.9 | 537.31 | 535.9 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 788,894.10 | 4.07 |
| H14025-H14023 | 8 | 181 | 0.005 | 9 | 10,746.19 | 0.9 | 394.89 | 394 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 647,207.47 | 3.34 |
| F09011-F09005 | 8 | 256 | 0.013 | 5.6 | 3,086.37 | 0.9 | 425 | 421.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,031,912.36 | 5.32 |
| D07079-D07077 | 8 | 234 | 0.004 | 11.7 | 14,243.51 | 0.9 | 526 | 525 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 603,364.67 | 3.11 |
| F02173-F02171 | 8 | 88 | 0.007 | 10.9 | 8,338.35 | 0.9 | 548.69 | 548.05 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 769,810.59 | 3.97 |
| C07051-C07023 | 8 | 303 | 0.003 | 15.5 | 27,674.85 | 0.9 | 512 | 511 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 530,232.68 | 2.73 |
| E04087-E04085 | 8 | 335 | 0.006 | 15.8 | 11,020.85 | 0.9 | 561 | 559 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 713,149.20 | 3.68 |
| G08109-G08107 | 8 | 312 | 0.007 | 9.1 | 8,974.45 | 0.9 | 429 | 426.71 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 790,730.06 | 4.08 |
| E03079-E03077 | 8 | 267 | 0.011 | 13.1 | 5,228.17 | 0.91 | 556 | 553 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 978,346.74 | 5.05 |
| G11051-G11049 | 8 | 123 | 0.008 | 6.4 | 5,429.64 | 0.91 | 386 | 385 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 832,214.45 | 4.29 |
| L13019-L13017 | 10 | 281 | 0.004 | 100 | 331,567.65 | 0.91 | 324 | 323 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 998,300.64 | 3.09 |
| J11037-J11035 | 8 | 308 | 0.003 | 37.6 | 17,061.87 | 0.91 | 378 | 377 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 525,911.24 | 2.71 |
| F06011-F06007 | 8 | 200 | 0.01 | 6.7 | 6,055.62 | 0.91 | 474 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 922,970.47 | 4.76 |
| B01033-B01031 | 8 | 294 | 0.027 | 2.6 | 1,829.62 | 0.91 | 683.4 | 675.45 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,504,997.50 | 7.76 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| E05117-E05115 | 8 | 204 | 0.01 | 6.3 | 5,555.02 | 0.91 | 523 | 521 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 913,876.95 | 4.71 |
| K13025-K14067 | 8 | 263 | 0.008 | 7.9 | 7,080.47 | 0.91 | 335 | 333 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 804,868.50 | 4.15 |
| C03007-C04021 | 12 | 296 | 0.014 | 3.3 | 5,807.47 | 0.91 | 645 | 641 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,163,360.14 | 6.12 |
| H13023-H13021 | 8 | 125 | 0.002 | 16.6 | 24,539.83 | 0.91 | 372.3 | 372 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 452,161.34 | 2.33 |
| E08009-E08007 | 8 | 321 | 0.012 | 5.1 | 3,415.29 | 0.91 | 455 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,030,303.76 | 5.31 |
| G08035-G08033 | 8 | 252 | 0.008 | 6.5 | 5,906.56 | 0.91 | 435 | 433 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 822,247.45 | 4.24 |
| E16041-E16039 | 8 | 242 | 0.004 | 11.4 | 16,328.74 | 0.91 | 482 | 481 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 593,307.89 | 3.06 |
| F07093-F07091 | 8 | 247 | 0.004 | 12.9 | 19,452.27 | 0.91 | 479 | 478 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,272.05 | 3.03 |
| F17030-F17015 | 8 | 164 | 0.006 | 22.5 | 22,361.82 | 0.91 | 516.23 | 515.23 | | 0.3 | 609,839.03 | 3.15 |
| D01033-D01031 | 8 | 328 | 0.009 | 6.4 | 6,559.74 | 0.91 | 629 | 626 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 882,696.72 | 4.55 |
| C04013-C04011 | 8 | 246 | 0.028 | 3.3 | 1,822.21 | 0.91 | 633 | 626 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,556,930.67 | 8.03 |
| H11087-H11085 | 8 | 313 | 0.006 | 8.7 | 7,630.76 | 0.91 | 381 | 379 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 737,786.38 | 3.81 |
| D04021-D04019 | 8 | 273 | 0.018 | 4.7 | 2,917.58 | 0.91 | 607 | 602 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,249,083.54 | 6.44 |
| G15027-G14075 | 8 | 143 | 0.014 | 5.7 | 3,132.67 | 0.91 | 424.56 | 422.59 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,083,310.37 | 5.59 |
| E15023-D15007 | 8 | 214 | 0.017 | 7.7 | 3,180.51 | 0.91 | 481 | 477.32 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,210,332.88 | 6.24 |
| E04115-E05107 | 6 | 396 | 0.013 | 22.1 | 3,932.23 | 0.91 | 546 | 541 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 481,565.37 | 3.73 |
| E04109-E05101 | 6 | 396 | 0.013 | 25.6 | 3,932.23 | 0.91 | 540 | 535 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 481,565.37 | 3.73 |
| E12067-E12065 | 8 | 256 | 0.002 | 21.4 | 40,927.90 | 0.91 | 413.5 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 407,899.17 | 2.10 |
| G12037-G12035 | 8 | 223 | 0.004 | 19.1 | 13,483.29 | 0.91 | 388 | 387 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 618,066.74 | 3.19 |
| G07083-G07081 | 8 | 270 | 0.004 | 13.2 | 21,100.63 | 0.92 | 452 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 561,701.94 | 2.90 |
| E03117-E03115 | 8 | 354 | 0.011 | 5.5 | 5,735.80 | 0.92 | 581 | 577 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 981,106.54 | 5.06 |
| F09125-F09109 | 8 | 230 | 0.009 | 7.9 | 5,368.31 | 0.92 | 431 | 429 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 860,674.40 | 4.44 |
| F04105-F04103 | 8 | 255 | 0.008 | 7.1 | 7,473.83 | 0.92 | 530 | 528 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 817,396.39 | 4.22 |
| H13021-H13019 | 8 | 258 | 0.002 | 17.4 | 28,396.97 | 0.92 | 372 | 371.44 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 430,003.48 | 2.22 |
| K11067-K11065 | 8 | 337 | 0.006 | 12.2 | 9,435.28 | 0.92 | 350 | 348 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 711,029.88 | 3.67 |
| F15131-F15129 | 8 | 187 | 0.005 | 10.2 | 14,236.60 | 0.92 | 451 | 450 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 674,942.85 | 3.48 |
| E17041-E17040 | 8 | 247 | 0.008 | 6.9 | 7,951.27 | 0.92 | 525 | 523 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 830,528.10 | 4.28 |
| E14123-E13095 | 8 | 253 | 0.008 | 8.1 | 8,712.17 | 0.92 | 430 | 428 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 820,620.84 | 4.23 |
| D04107-D04079 | 8 | 331 | 0.009 | 10.8 | 6,543.88 | 0.92 | 583 | 580 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 878,687.48 | 4.53 |
| E12123-E12121 | 8 | 65 | 0.015 | 4.9 | 3,963.20 | 0.92 | 413 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,144,803.98 | 5.90 |
| E14041-E14101 | 8 | 226 | 0.031 | 3.2 | 1,590.25 | 0.92 | 447 | 440 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,624,361.20 | 8.38 |
| C04079-C04077 | 8 | 145 | 0.028 | 2.8 | 1,824.67 | 0.92 | 641 | 637 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,532,970.51 | 7.91 |
| C07033-C07027 | 8 | 161 | 0.019 | 3.8 | 2,633.18 | 0.92 | 518 | 515 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,259,898.32 | 6.50 |
| E18109-E18107 | 8 | 48 | 0.021 | 4 | 2,769.18 | 0.92 | 539 | 538 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,332,193.13 | 6.87 |
| J12043-J12041 | 21 | 478 | 0 | 36.5 | 755,998.87 | 0.92 | 360 | 359.77 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 2,654,702.94 | 1.71 |
| K09005-K09003 | 12 | 301 | 0.006 | 11 | 51,027.95 | 0.92 | 381.52 | 379.69 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,121,811.48 | 4.10 |
| G04057-G04055 | 8 | 251 | 0.008 | 9.9 | 16,891.65 | 0.92 | 486 | 484 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 823,883.76 | 4.25 |
| H06055-H07015 | 8 | 361 | 0.005 | 13.4 | 12,184.83 | 0.92 | 439 | 437.19 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 653,541.99 | 3.37 |
| J11155-J11151 | 8 | 201 | 0.011 | 6.9 | 6,083.93 | 0.92 | 375 | 372.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 965,608.59 | 4.98 |
| K15027-K15025 | 8 | 340 | 0.003 | 15.7 | 21,410.92 | 0.92 | 320 | 319 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 500,551.02 | 2.58 |
| C03023-C03021 | 8 | 228 | 0.018 | 4 | 3,280.75 | 0.92 | 665 | 661 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,222,504.25 | 6.30 |
| H04023-H04021 | 8 | 108 | 0.009 | 10.5 | 16,360.81 | 0.92 | 476 | 475 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 888,128.75 | 4.58 |
| F02061-F02057 | 8 | 155 | 0.01 | 56.9 | 7,313.40 | 0.92 | 525.59 | 524 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 934,803.91 | 4.82 |
| D07015-D07013 | 8 | 342 | 0.012 | 5.9 | 5,244.59 | 0.92 | 497 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 998,170.54 | 5.15 |
| F07139-F07137 | 8 | 64 | 0.016 | 5.5 | 4,169.97 | 0.92 | 467 | 466 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,153,713.09 | 5.95 |
| H14029-H14027 | 8 | 126 | 0.005 | 9.3 | 10,509.86 | 0.92 | 395.65 | 395.01 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 657,797.96 | 3.39 |
| K14099-K14097 | 8 | 290 | 0.008 | 8.3 | 6,364.17 | 0.92 | 324 | 321.6 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 839,642.53 | 4.33 |
| J11090-J11089 | 8 | 224 | 0.002 | 23.5 | 50,469.34 | 0.92 | 371.46 | 371 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 418,256.51 | 2.16 |
| E05123-E05121 | 8 | 369 | 0.005 | 10.5 | 12,157.79 | 0.92 | 530 | 528 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 679,500.25 | 3.50 |
| C02063-D02037 | 8 | 295 | 0.02 | 4.1 | 2,554.53 | 0.92 | 633 | 627 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,316,292.55 | 6.79 |
| E06113-E06111 | 8 | 252 | 0.004 | 12.9 | 20,203.02 | 0.92 | 495 | 494 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 581,416.75 | 3.00 |
| E07097-E07083 | 8 | 250 | 0.008 | 12.3 | 7,189.06 | 0.92 | 471 | 469 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 825,529.89 | 4.26 |
| E06027-E06025 | 8 | 276 | 0.004 | 27.2 | 18,413.00 | 0.92 | 490 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 555,562.94 | 2.87 |
| D10055-D10045 | 8 | 278 | 0.022 | 7.1 | 1,765.44 | 0.92 | 467 | 461 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,355,941.75 | 6.99 |
| F16001-F15085 | 8 | 254 | 0.02 | 3.9 | 2,782.94 | 0.93 | 484 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,294,958.80 | 6.68 |
| K09011-K09009 | 12 | 300 | 0.005 | 11.1 | 51,454.84 | 0.93 | 388.16 | 386.56 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,987,301.97 | 3.84 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| E16071-E15109 | 8 | 257 | 0.016 | 4.9 | 3,966.08 | 0.93 | 484 | 480 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,151,466.32 | 5.94 |
| H10039-H10037 | 12 | 572 | 0.002 | 15.3 | 56,381.52 | 0.93 | 388 | 387.05 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,108,991.68 | 2.14 |
| G12041-G12039 | 8 | 220 | 0.005 | 9.9 | 12,791.59 | 0.93 | 391 | 390 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 622,266.57 | 3.21 |
| J11043-J11041 | 8 | 289 | 0.003 | 26.1 | 17,142.69 | 0.93 | 380 | 379 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 542,923.81 | 2.80 |
| H12051-H12037 | 8 | 171 | 0.011 | 10.5 | 3,928.89 | 0.93 | 366.1 | 364.24 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 962,600.81 | 4.96 |
| E13095-E13093 | 8 | 264 | 0.006 | 12.9 | 11,868.62 | 0.93 | 428 | 426.32 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 736,275.73 | 3.80 |
| P-5582 | 8 | 0 | 0.004 | 12.2 | 17,871.71 | 0.93 | 405 | 404.35 | | 0.3 | 569,044.76 | 2.93 |
| C01007-D01033 | 8 | 313 | 0.016 | 5.1 | 3,647.46 | 0.93 | 634 | 629 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,166,542.70 | 6.02 |
| G04129-G04127 | 8 | 295 | 0.007 | 9.5 | 10,452.54 | 0.93 | 496 | 494 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 759,961.86 | 3.92 |
| E12159-F12153 | 8 | 397 | 0.005 | 12.6 | 21,351.29 | 0.93 | 405 | 403 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,099.93 | 3.38 |
| F09105-F09103 | 8 | 59 | 0.003 | 12.7 | 18,402.95 | 0.93 | 427 | 426.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 537,374.18 | 2.77 |
| H13089-H13087 | 8 | 353 | 0.003 | 14.4 | 20,853.96 | 0.93 | 377 | 376 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 491,247.61 | 2.53 |
| F04021-F04003 | 8 | 306 | 0.016 | 9.6 | 3,518.67 | 0.93 | 511 | 506 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,179,810.06 | 6.08 |
| L14005-L13137 | 8 | 310 | 0.006 | 9.3 | 9,209.82 | 0.93 | 322 | 320 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 741,347.72 | 3.82 |
| K14043-K14041 | 8 | 242 | 0.004 | 12.7 | 15,476.02 | 0.93 | 328 | 327 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 593,307.89 | 3.06 |
| C03001-C04005 | 8 | 281 | 0.014 | 4.9 | 4,667.07 | 0.93 | 643 | 639 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,101,196.04 | 5.68 |
| E11007-E10057 | 8 | 330 | 0.006 | 18.3 | 8,591.61 | 0.93 | 425 | 423 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 718,531.54 | 3.71 |
| D02095-D02093 | 8 | 287 | 0.003 | 14.5 | 24,430.07 | 0.93 | 611 | 610 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 544,812.24 | 2.81 |
| D05059-D05057 | 8 | 324 | 0.006 | 14.9 | 12,054.38 | 0.93 | 589 | 587 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 725,154.09 | 3.74 |
| F15129-F15089 | 8 | 187 | 0.005 | 20.8 | 15,402.44 | 0.93 | 450 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 674,942.85 | 3.48 |
| G12097-G12095 | 10 | 261 | 0.008 | 14.7 | 8,543.18 | 0.93 | 381 | 379 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,464,904.30 | 4.53 |
| G14007-G14005 | 8 | 246 | 0.016 | 5.1 | 2,431.10 | 0.93 | 411 | 407 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,176,928.96 | 6.07 |
| E08055-E08053 | 8 | 208 | 0.01 | 7.2 | 5,751.25 | 0.93 | 466 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 905,047.01 | 4.67 |
| F12153-F12151 | 8 | 398 | 0.005 | 13 | 22,892.62 | 0.93 | 403 | 401 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 654,276.42 | 3.37 |
| E15063-E15061 | 8 | 330 | 0.006 | 10.8 | 13,810.23 | 0.93 | 464 | 462 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 718,531.54 | 3.71 |
| L14011-L14009 | 8 | 393 | 0.005 | 9.4 | 11,946.14 | 0.93 | 327 | 325 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 658,425.33 | 3.40 |
| E13001-E12021 | 8 | 313 | 0.003 | 15 | 25,384.58 | 0.93 | 418 | 417 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 521,693.76 | 2.69 |
| E07079-E07077 | 8 | 153 | 0.013 | 5.5 | 4,313.44 | 0.93 | 478 | 476 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,055,254.20 | 5.44 |
| G11049-G11047 | 8 | 296 | 0.007 | 7.7 | 7,576.23 | 0.93 | 385 | 383 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 758,677.05 | 3.91 |
| F15115-F15111 | 8 | 179 | 0.022 | 5.5 | 2,385.38 | 0.93 | 482 | 478 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,379,721.04 | 7.12 |
| F07119-F07117 | 8 | 248 | 0.004 | 13.6 | 21,772.16 | 0.93 | 476 | 475 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 586,086.84 | 3.02 |
| E03255-F03179 | 8 | 289 | 0.01 | 7.4 | 5,559.98 | 0.93 | 541 | 538 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 940,371.62 | 4.85 |
| K11077-K11075 | 8 | 277 | 0.004 | 12.6 | 18,756.84 | 0.93 | 351 | 350 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 554,559.21 | 2.86 |
| J12067-J12065 | 8 | 542 | 0.013 | 14.7 | 5,128.42 | 0.93 | 369 | 362 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,048,907.48 | 5.41 |
| F04117-F05055 | 8 | 169 | 0.004 | 18.4 | 20,282.96 | 0.93 | 511.62 | 511 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 559,036.67 | 2.88 |
| E11053-E11051 | 8 | 297 | 0.015 | 5.9 | 4,208.76 | 0.94 | 427.59 | 423 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,147,402.85 | 5.92 |
| G08027-G09063 | 8 | 104 | 0.005 | 9.8 | 12,853.32 | 0.94 | 429.5 | 429 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 639,964.88 | 3.30 |
| E04141-E04137 | 8 | 262 | 0.008 | 7.6 | 8,604.90 | 0.94 | 532 | 530 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 806,403.05 | 4.16 |
| D19003-D19001 | 8 | 227 | 0.011 | 6.9 | 9,374.20 | 0.94 | 546.23 | 543.62 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 987,508.03 | 5.09 |
| F08047-G08019 | 8 | 337 | 0.004 | 11.9 | 16,915.77 | 0.94 | 444 | 442.74 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 564,362.47 | 2.91 |
| F13131-F12141 | 8 | 235 | 0.009 | 7.7 | 9,357.01 | 0.94 | 408 | 406 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 851,469.06 | 4.39 |
| G14087-G14065 | 8 | 357 | 0.008 | 9.4 | 5,739.68 | 0.94 | 412 | 409 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 846,085.64 | 4.36 |
| F12151-F12149 | 8 | 400 | 0.005 | 13.2 | 24,433.68 | 0.94 | 401 | 399 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 652,638.68 | 3.37 |
| E11057-E11055 | 8 | 223 | 0.013 | 5.5 | 4,572.12 | 0.94 | 425 | 422 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,070,523.00 | 5.52 |
| F04011-F04009 | 8 | 248 | 0.008 | 7.9 | 8,208.45 | 0.94 | 520 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 828,851.95 | 4.27 |
| D02033-D02031 | 8 | 261 | 0.004 | 13.4 | 22,089.46 | 0.94 | 620 | 619 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 571,304.38 | 2.95 |
| J08125-J08123 | 8 | 345 | 0.003 | 12.8 | 18,978.32 | 0.94 | 406.75 | 405.56 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 542,065.47 | 2.80 |
| F04033-F04031 | 8 | 299 | 0.013 | 5.1 | 4,694.03 | 0.94 | 508 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,067,535.21 | 5.51 |
| G15021-G15017 | 8 | 281 | 0.011 | 5.7 | 6,004.08 | 0.94 | 452 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 953,663.75 | 4.92 |
| E03127-E03125 | 8 | 378 | 0.008 | 9.5 | 9,109.55 | 0.94 | 578 | 575 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 822,247.45 | 4.24 |
| H08007-H08005 | 12 | 195 | 0.003 | 13.8 | 50,831.94 | 0.94 | 428 | 427.44 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,458,280.96 | 2.82 |
| H11071-H11039 | 8 | 221 | 0.011 | 100 | 4,473.93 | 0.94 | 373 | 370.65 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 951,755.95 | 4.91 |
| J07077-J07075 | 10 | 301 | 0.003 | 14.6 | 42,297.82 | 0.94 | 409.59 | 408.69 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 915,066.20 | 2.83 |
| J14123-J14119 | 8 | 270 | 0.004 | 16.4 | 20,130.07 | 0.94 | 336 | 335 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 561,701.94 | 2.90 |
| G04095-G04093 | 8 | 356 | 0.008 | 24 | 7,487.35 | 0.94 | 502 | 499 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 847,273.13 | 4.37 |
| E18005-E18003 | 12 | 291 | 0.003 | 12.7 | 37,510.38 | 0.94 | 518 | 517 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,595,210.51 | 3.09 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| D01039-D01037 | 8 | 329 | 0.009 | 6.8 | 7,648.81 | 0.94 | 624 | 621 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 881,354.21 | 4.55 |
| D14097-D14095 | 8 | 93 | 0.005 | 10.1 | 14,283.16 | 0.94 | 456.5 | 456 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 676,754.78 | 3.49 |
| E16045-E15069 | 8 | 337 | 0.015 | 5.3 | 4,753.67 | 0.94 | 484 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,124,236.96 | 5.80 |
| D04065-D04063 | 8 | 97 | 0.021 | 66 | 2,863.18 | 0.94 | 571 | 569 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,325,308.36 | 6.84 |
| E11043-E11041 | 8 | 242 | 0.008 | 9.7 | 7,924.07 | 0.94 | 419 | 417 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 839,064.07 | 4.33 |
| J11181-J11090 | 8 | 174 | 0.005 | 17 | 15,492.11 | 0.94 | 372.36 | 371.46 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 663,795.70 | 3.42 |
| E15109-E15107 | 8 | 254 | 0.012 | 6.4 | 5,942.07 | 0.94 | 480 | 477 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,003,070.77 | 5.17 |
| G15029-G15027 | 8 | 54 | 0.016 | 3.8 | 2,872.55 | 0.94 | 425.41 | 424.56 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,157,978.22 | 5.97 |
| E16077-F16049 | 8 | 423 | 0.002 | 21.4 | 41,693.66 | 0.94 | 497 | 496 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 448,763.60 | 2.31 |
| G15069-G15067 | 8 | 291 | 0.007 | 7.5 | 6,874.03 | 0.94 | 496 | 494 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 765,167.14 | 3.95 |
| F13009-F13007 | 8 | 436 | 0.005 | 9.5 | 11,547.31 | 0.94 | 411 | 409 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 625,114.48 | 3.22 |
| D15025-D15023 | 8 | 140 | 0.007 | 8.2 | 10,728.71 | 0.94 | 465 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 780,052.42 | 4.02 |
| F19047-F19045 | 8 | 187 | 0.005 | 10.9 | 16,249.27 | 0.94 | 570.85 | 569.91 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 652,638.68 | 3.37 |
| G03053-G03051 | 8 | 353 | 0.011 | 5.6 | 5,147.30 | 0.94 | 514 | 510 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 982,495.23 | 5.07 |
| H13077-H13093 | 8 | 216 | 0.005 | 9.4 | 11,473.76 | 0.94 | 383 | 382 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 628,001.86 | 3.24 |
| C03003-C03001 | 8 | 294 | 0.02 | 4.1 | 2,881.64 | 0.94 | 649 | 643 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,318,529.25 | 6.80 |
| K14059-K14057 | 8 | 255 | 0.004 | 12.7 | 18,867.65 | 0.95 | 329 | 328 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 577,986.53 | 2.98 |
| C03009-C03007 | 12 | 296 | 0.017 | 3 | 4,726.06 | 0.95 | 650 | 645 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,536,744.16 | 6.84 |
| H07013-H07011 | 8 | 139 | 0.002 | 20.1 | 37,751.56 | 0.95 | 436.3 | 436 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 428,786.43 | 2.21 |
| F13091-F12093 | 8 | 234 | 0.009 | 8.5 | 9,444.49 | 0.95 | 407 | 405 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 853,286.50 | 4.40 |
| G08097-G08095 | 8 | 105 | 0.005 | 11.5 | 17,887.27 | 0.95 | 447 | 446.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 636,910.14 | 3.28 |
| F05143-F05141 | 8 | 175 | 0.008 | 8.9 | 8,577.66 | 0.95 | 500.77 | 499.35 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 831,405.62 | 4.29 |
| F11029-F11027 | 8 | 278 | 0.004 | 50.5 | 24,292.24 | 0.95 | 399.64 | 398.6 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 564,523.57 | 2.91 |
| K14061-K14059 | 8 | 238 | 0.004 | 12 | 17,214.94 | 0.95 | 330 | 329 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 598,272.90 | 3.09 |
| E04133-E04131 | 8 | 345 | 0.012 | 6.3 | 5,143.19 | 0.95 | 537 | 533 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 993,821.20 | 5.13 |
| G07027-G07023 | 8 | 68 | 0.007 | 9.7 | 10,756.38 | 0.95 | 448 | 447.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 791,440.65 | 4.08 |
| F10061-F10059 | 8 | 109 | 0.009 | 8.8 | 5,348.63 | 0.95 | 409 | 408 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 884,045.38 | 4.56 |
| E07125-F07133 | 8 | 247 | 0.004 | 13.2 | 21,448.78 | 0.95 | 475 | 474 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,272.05 | 3.03 |
| C06047-C06045 | 8 | 263 | 0.019 | 4.1 | 2,875.62 | 0.95 | 568 | 563 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,272,608.84 | 6.56 |
| C06063-C06061 | 8 | 314 | 0.029 | 2.8 | 1,650.49 | 0.95 | 555 | 546 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,562,587.11 | 8.06 |
| E12031-E12029 | 8 | 249 | 0.008 | 8 | 9,906.06 | 0.95 | 420 | 418 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 827,185.92 | 4.27 |
| F12147-F12145 | 8 | 399 | 0.003 | 22.3 | 50,583.01 | 0.95 | 400 | 399 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 462,063.18 | 2.38 |
| F12141-F12139 | 8 | 257 | 0.008 | 8.4 | 10,926.90 | 0.95 | 406 | 404 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 814,209.65 | 4.20 |
| E18011-E18009 | 8 | 300 | 0.035 | 8.2 | 1,587.14 | 0.95 | 530 | 519.56 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,721,779.09 | 8.88 |
| F07133-F07131 | 8 | 247 | 0.004 | 13.8 | 22,484.16 | 0.95 | 474 | 473 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,272.05 | 3.03 |
| G09131-G09129 | 8 | 370 | 0.008 | 8.8 | 9,559.01 | 0.95 | 421 | 418 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 831,089.07 | 4.29 |
| D05089-D05081 | 10 | 301 | 0.017 | 6 | 4,365.82 | 0.95 | 593 | 588 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,156,831.72 | 6.67 |
| C07015-D07079 | 8 | 223 | 0.009 | 8.5 | 7,172.01 | 0.95 | 528 | 526 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 874,078.37 | 4.51 |
| J07079-J07077 | 10 | 159 | 0.003 | 14.6 | 42,301.52 | 0.95 | 410.07 | 409.59 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 919,467.89 | 2.85 |
| E04013-E04011 | 8 | 270 | 0.011 | 9.1 | 6,513.38 | 0.95 | 557 | 554 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 972,896.30 | 5.02 |
| F07137-F07135 | 8 | 318 | 0.009 | 7.6 | 7,809.05 | 0.95 | 466 | 463 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 896,468.17 | 4.62 |
| K12043-K12041 | 8 | 101 | 0.01 | 7.8 | 5,715.80 | 0.95 | 349 | 348 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 918,389.95 | 4.74 |
| K15045-K15043 | 12 | 404 | 0.005 | 8.4 | 16,734.89 | 0.95 | 325 | 323 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,914,647.43 | 3.70 |
| F06113-F06111 | 10 | 232 | 0.003 | 13.4 | 36,990.36 | 0.95 | 481 | 480.24 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 957,805.47 | 2.96 |
| L13145-L13143 | 8 | 301 | 0.003 | 14.2 | 21,622.14 | 0.95 | 322 | 321 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 531,991.34 | 2.74 |
| F05011-F05009 | 8 | 251 | 0.004 | 13 | 20,916.63 | 0.95 | 504 | 503 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 582,573.80 | 3.00 |
| G13103-G13101 | 8 | 156 | 0.006 | 7.8 | 7,807.04 | 0.95 | 392 | 391 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 738,967.79 | 3.81 |
| H05009-H05007 | 12 | 309 | 0.002 | 23.5 | 151,728.52 | 0.96 | 448.48 | 447.83 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,248,078.60 | 2.41 |
| F05087-F05079 | 8 | 260 | 0.004 | 14.5 | 20,064.91 | 0.96 | 510 | 509 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 572,401.99 | 2.95 |
| D04067-D04065 | 8 | 299 | 0.027 | 3.2 | 2,372.73 | 0.96 | 579 | 571 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,509,722.77 | 7.79 |
| H10007-H10005 | 12 | 611 | 0.002 | 14.9 | 59,582.34 | 0.96 | 386.26 | 385 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,235,745.86 | 2.39 |
| F07131-F07129 | 8 | 258 | 0.004 | 14.3 | 24,730.85 | 0.96 | 473 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 574,616.32 | 2.96 |
| F04023-G04109 | 12 | 293 | 0.014 | 3.8 | 6,241.59 | 0.96 | 508 | 504 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,179,513.57 | 6.15 |
| D14103-D14095 | 8 | 100 | 0.02 | 6.3 | 3,175.83 | 0.96 | 458 | 456 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,305,277.36 | 6.73 |
| C03033-C03031 | 8 | 248 | 0.06 | 1.8 | 729.87 | 0.96 | 699 | 684 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,269,904.55 | 11.71 |
| G05013-G05011 | 8 | 264 | 0.008 | 13.2 | 22,708.24 | 0.96 | 476 | 474 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 803,342.68 | 4.14 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| E17040-E17038 | 8 | 278 | 0.009 | 9.2 | 7,925.85 | 0.96 | 523 | 520.38 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 896,016.60 | 4.62 |
| G09119-G09117 | 8 | 390 | 0.003 | 20.7 | 43,076.13 | 0.96 | 411 | 410 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 467,364.27 | 2.41 |
| F07089-F07087 | 8 | 271 | 0.004 | 14.9 | 26,407.01 | 0.96 | 477 | 476 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 560,664.63 | 2.89 |
| E11003-E10053 | 8 | 273 | 0.007 | 18.2 | 7,518.42 | 0.96 | 420 | 418 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 789,989.80 | 4.07 |
| E07135-F07147 | 8 | 247 | 0.008 | 10 | 10,111.10 | 0.96 | 466 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 830,528.10 | 4.28 |
| H06067-H06065 | 12 | 294 | 0.003 | 10.3 | 24,115.50 | 0.96 | 438 | 437 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,587,050.82 | 3.07 |
| C02027-C02025 | 8 | 191 | 0.016 | 7.3 | 6,067.78 | 0.96 | 647 | 644 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,156,729.34 | 5.97 |
| E04123-E05119 | 8 | 358 | 0.008 | 10 | 7,883.01 | 0.96 | 529 | 526 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 844,903.13 | 4.36 |
| C05007-D05065 | 8 | 364 | 0.019 | 4 | 3,282.38 | 0.96 | 610 | 603 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,279,929.75 | 6.60 |
| J15031-J15029 | 8 | 114 | 0.018 | 4 | 3,090.53 | 0.96 | 336 | 334 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,222,504.25 | 6.30 |
| E03131-E03129 | 8 | 338 | 0.009 | 7.7 | 8,490.60 | 0.96 | 580 | 577 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 869,541.04 | 4.48 |
| F04103-F04101 | 8 | 255 | 0.008 | 7.9 | 9,009.83 | 0.96 | 528 | 526 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 817,396.39 | 4.22 |
| H13057-H13051 | 8 | 379 | 0.024 | 6.2 | 1,620.73 | 0.96 | 375 | 366 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,422,294.26 | 7.34 |
| G08043-G08041 | 8 | 306 | 0.007 | 8.4 | 9,122.46 | 0.96 | 432 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 746,177.40 | 3.85 |
| H05055-H05003 | 8 | 252 | 0.022 | 15.4 | 2,663.91 | 0.96 | 450.5 | 445 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,363,543.14 | 7.03 |
| D14011-D14009 | 8 | 253 | 0.016 | 6.2 | 4,373.20 | 0.96 | 465 | 461 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,160,533.13 | 5.99 |
| F12129-F12127 | 8 | 234 | 0.009 | 8.6 | 10,253.31 | 0.96 | 408 | 406 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 853,286.50 | 4.40 |
| D13069-D13067 | 8 | 81 | 0.003 | 18 | 36,274.34 | 0.96 | 430.25 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 512,761.37 | 2.64 |
| F17043-F17033 | 8 | 259 | 0.005 | 13.2 | 22,410.31 | 0.96 | 517.65 | 516.41 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 638,629.19 | 3.29 |
| F11051-F11049 | 8 | 341 | 0.006 | 11.2 | 9,458.34 | 0.96 | 398 | 396 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 706,847.32 | 3.65 |
| F07117-F07115 | 8 | 248 | 0.004 | 14.4 | 24,630.43 | 0.96 | 475 | 474 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 586,086.84 | 3.02 |
| K11065-K11063 | 8 | 374 | 0.003 | 16.3 | 27,540.05 | 0.96 | 348 | 347 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 477,256.67 | 2.46 |
| D16061-D16059 | 8 | 255 | 0.004 | 13.7 | 23,129.01 | 0.96 | 484 | 483 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 577,986.53 | 2.98 |
| J07115-J07079 | 10 | 306 | 0.003 | 14.6 | 41,980.17 | 0.96 | 410.97 | 410.07 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 907,559.38 | 2.81 |
| F04053-F05013 | 8 | 305 | 0.01 | 8.5 | 6,685.49 | 0.96 | 508 | 505 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 915,373.88 | 4.72 |
| F08005-F08003 | 8 | 246 | 0.008 | 9.2 | 6,893.45 | 0.96 | 447 | 445 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 832,214.45 | 4.29 |
| J14045-J14037 | 8 | 246 | 0.008 | 8.6 | 7,638.39 | 0.96 | 342 | 340 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 832,214.45 | 4.29 |
| G07001-G08063 | 8 | 395 | 0.01 | 7.2 | 7,229.23 | 0.96 | 448 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 928,793.69 | 4.79 |
| J11017-J11015 | 8 | 297 | 0.01 | 6.3 | 7,341.74 | 0.97 | 381 | 378 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 927,620.23 | 4.78 |
| E13009-E13007 | 8 | 305 | 0.007 | 10.5 | 13,209.86 | 0.97 | 421 | 419 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 747,399.64 | 3.85 |
| K14057-K14055 | 8 | 258 | 0.004 | 13.1 | 21,004.52 | 0.97 | 328 | 327 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 574,616.32 | 2.96 |
| E03095-E03093 | 8 | 209 | 0.014 | 13 | 4,576.75 | 0.97 | 567 | 564 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,105,796.70 | 5.70 |
| H04003-H04001 | 8 | 256 | 0.004 | 22 | 54,268.88 | 0.97 | 469 | 468 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| F09103-F09097 | 8 | 220 | 0.004 | 13.4 | 19,470.83 | 0.97 | 426.8 | 426 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 556,572.14 | 2.87 |
| G14075-G14073 | 8 | 240 | 0.007 | 7.6 | 8,614.77 | 0.97 | 422.59 | 421 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 751,243.54 | 3.87 |
| F03195-F03183 | 8 | 229 | 0.013 | 7.4 | 4,757.27 | 0.97 | 533.46 | 530.47 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,052,348.25 | 5.43 |
| E06091-E06089 | 8 | 251 | 0.008 | 8.6 | 8,562.00 | 0.97 | 505 | 503 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 823,883.76 | 4.25 |
| E09045-E09013 | 8 | 218 | 0.005 | 11.7 | 15,041.05 | 0.97 | 436 | 435 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 625,114.48 | 3.22 |
| E14097-E14095 | 8 | 317 | 0.016 | 7.3 | 4,759.31 | 0.97 | 441 | 436 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,159,159.44 | 5.98 |
| F13069-F13067 | 10 | 133 | 0.008 | 26.2 | 11,921.80 | 0.97 | 411 | 410 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,451,071.08 | 4.49 |
| G08063-G08061 | 8 | 391 | 0.008 | 31.7 | 10,777.92 | 0.97 | 444 | 441 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 808,462.83 | 4.17 |
| F07091-F07089 | 8 | 233 | 0.004 | 14 | 22,932.76 | 0.97 | 478 | 477 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 604,658.06 | 3.12 |
| E05161-E05157 | 8 | 248 | 0.012 | 6.4 | 5,155.03 | 0.97 | 523 | 520 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,015,132.18 | 5.24 |
| D11055-D11053 | 8 | 330 | 0.009 | 7.1 | 5,909.91 | 0.97 | 432 | 429 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 880,017.82 | 4.54 |
| H13007-H13005 | 8 | 275 | 0.002 | 19.5 | 36,587.48 | 0.97 | 369.63 | 369 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 441,765.44 | 2.28 |
| E11059-E11057 | 8 | 139 | 0.014 | 4.7 | 4,580.13 | 0.97 | 427 | 425 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,107,121.81 | 5.71 |
| F03183-F04185 | 8 | 261 | 0.006 | 10.7 | 14,073.03 | 0.97 | 530.47 | 529 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 692,669.75 | 3.57 |
| G11033-G11031 | 8 | 264 | 0.004 | 11.7 | 16,451.49 | 0.97 | 387 | 386 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 568,049.06 | 2.93 |
| K13007-K13005 | 8 | 243 | 0.004 | 38.1 | 20,715.55 | 0.97 | 321 | 320 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 592,085.83 | 3.05 |
| D04017-D04015 | 8 | 276 | 0.022 | 4.1 | 2,917.62 | 0.97 | 617 | 611 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,360,845.72 | 7.02 |
| L14083-L14081 | 8 | 256 | 0.004 | 100 | 18,401.98 | 0.97 | 328 | 327 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| G02053-G02005 | 8 | 200 | 0.004 | 16.3 | 27,329.95 | 0.97 | 523.41 | 522.69 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 553,782.28 | 2.86 |
| E05045-E05037 | 8 | 424 | 0.017 | 8.3 | 4,555.99 | 0.97 | 538 | 531 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,185,915.92 | 6.12 |
| F13035-F13033 | 8 | 207 | 0.024 | 11.9 | 1,667.36 | 0.97 | 407 | 402 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,434,457.34 | 7.40 |
| E04027-E04025 | 8 | 339 | 0.003 | 19.1 | 40,037.39 | 0.97 | 539 | 538 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 501,288.75 | 2.59 |
| H04005-H04003 | 8 | 254 | 0.004 | 20.6 | 53,424.07 | 0.97 | 470 | 469 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 579,123.18 | 2.99 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| L13017-L13015 | 10 | 214 | 0.005 | 100 | 322,311.79 | 0.97 | 323 | 322 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,143,951.53 | 3.54 |
| E04031-E04029 | 8 | 339 | 0.003 | 18.3 | 36,589.96 | 0.97 | 542 | 541 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 501,288.75 | 2.59 |
| D03025-D03023 | 8 | 294 | 0.02 | 3.9 | 3,281.44 | 0.98 | 620 | 614 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,318,529.25 | 6.80 |
| G13131-H13091 | 8 | 327 | 0.009 | 8 | 5,685.69 | 0.98 | 382 | 379 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 884,045.38 | 4.56 |
| D04051-D05129 | 8 | 312 | 0.01 | 7 | 8,801.58 | 0.98 | 576 | 573 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 905,047.01 | 4.67 |
| J14039-J14037 | 8 | 247 | 0.004 | 12.2 | 18,594.48 | 0.98 | 341 | 340 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,272.05 | 3.03 |
| E09061-F09053 | 8 | 248 | 0.004 | 11.7 | 16,454.83 | 0.98 | 420 | 419 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 586,086.84 | 3.02 |
| J11183-J11181 | 8 | 182 | 0.006 | 10.5 | 15,525.76 | 0.98 | 373.37 | 372.36 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 685,682.32 | 3.54 |
| G04097-G04095 | 8 | 353 | 0.014 | 5.6 | 4,344.67 | 0.98 | 507 | 502 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,098,463.06 | 5.67 |
| F14023-F14021 | 8 | 86 | 0.004 | 11.9 | 17,377.42 | 0.98 | 427.25 | 426.91 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 580,334.03 | 2.99 |
| E14093-E14089 | 8 | 260 | 0.004 | 15.8 | 28,003.77 | 0.98 | 434.98 | 434.01 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 563,750.58 | 2.91 |
| E04113-E05105 | 6 | 397 | 0.015 | 24.4 | 3,932.23 | 0.98 | 544 | 538 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 526,863.62 | 4.08 |
| C06085-C06081 | 8 | 164 | 0.11 | 1.1 | 330.58 | 0.98 | 605 | 587 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,057,751.13 | 15.77 |
| H07019-H07017 | 8 | 264 | 0.005 | 11.5 | 16,115.55 | 0.98 | 440.31 | 439 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 650,161.86 | 3.35 |
| G10041-G10039 | 8 | 88 | 0.006 | 14.2 | 11,497.49 | 0.98 | 401.5 | 401 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 695,715.17 | 3.59 |
| D16071-D16069 | 8 | 106 | 0.009 | 7.7 | 8,042.85 | 0.98 | 494 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 896,468.17 | 4.62 |
| F06091-F06075 | 8 | 261 | 0.016 | 9 | 4,822.30 | 0.98 | 494.14 | 489.97 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,166,636.56 | 6.02 |
| E04021-E05097 | 8 | 343 | 0.003 | 20.6 | 46,375.92 | 0.98 | 535 | 534 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 498,357.21 | 2.57 |
| K11063-K11061 | 8 | 97 | 0.003 | 16.9 | 26,384.46 | 0.98 | 347 | 346.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 513,289.72 | 2.65 |
| E14051-F14073 | 8 | 365 | 0.008 | 10.2 | 10,673.75 | 0.98 | 443 | 440 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 836,762.10 | 4.32 |
| G11031-G11029 | 8 | 244 | 0.004 | 11.8 | 16,432.31 | 0.98 | 386 | 385 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 590,871.30 | 3.05 |
| H11073-H11033 | 8 | 204 | 0.014 | 100 | 3,762.04 | 0.98 | 372 | 369.19 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,083,242.98 | 5.59 |
| J11005-J11003 | 8 | 324 | 0.009 | 7.5 | 9,211.80 | 0.98 | 374 | 371 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 888,128.75 | 4.58 |
| F13093-F13091 | 8 | 251 | 0.012 | 6.7 | 7,075.33 | 0.98 | 410 | 407 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,009,047.41 | 5.20 |
| G08111-G08109 | 8 | 321 | 0.009 | 7.3 | 8,826.32 | 0.98 | 432 | 429 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 892,269.23 | 4.60 |
| G15031-G15029 | 8 | 257 | 0.018 | 3.6 | 2,657.45 | 0.98 | 430 | 425.41 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,233,467.15 | 6.36 |
| F12139-F12137 | 8 | 257 | 0.008 | 9.7 | 12,492.57 | 0.98 | 404 | 402 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 814,209.65 | 4.20 |
| F07103-F07101 | 8 | 259 | 0.004 | 24.2 | 27,623.91 | 0.98 | 479 | 478 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 573,505.95 | 2.96 |
| F11013-F11011 | 8 | 378 | 0.005 | 12.2 | 21,352.60 | 0.98 | 397 | 395 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 671,362.23 | 3.46 |
| J06083-J06079 | 8 | 102 | 0.009 | 6.9 | 6,950.74 | 0.98 | 428.2 | 427.25 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 890,737.06 | 4.59 |
| E08053-E08051 | 8 | 258 | 0.007 | 9.1 | 11,410.19 | 0.98 | 464 | 462.3 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 749,208.02 | 3.86 |
| E02060-E03239 | 8 | 213.4 | 0.004 | 20.4 | 22,036.26 | 0.98 | 557.91 | 557 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 601,868.50 | 3.10 |
| E03075-E03073 | 8 | 282 | 0.018 | 15 | 3,932.23 | 0.99 | 556 | 551 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,228,989.73 | 6.34 |
| D04115-E04087 | 8 | 339 | 0.015 | 6.8 | 5,159.90 | 0.99 | 566 | 561 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,120,915.72 | 5.78 |
| F15103-F15101 | 8 | 242 | 0.004 | 23.1 | 26,012.43 | 0.99 | 468 | 467 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 593,307.89 | 3.06 |
| D14067-D14065 | 8 | 295 | 0.01 | 7.3 | 8,177.33 | 0.99 | 458 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 930,759.39 | 4.80 |
| D01041-D01039 | 8 | 288 | 0.014 | 5.9 | 5,469.52 | 0.99 | 628 | 624 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,087,731.13 | 5.61 |
| F06103-F06101 | 8 | 363 | 0.006 | 12.8 | 17,316.01 | 0.99 | 485 | 483 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 685,092.94 | 3.53 |
| D10103-D10101 | 8 | 224 | 0.004 | 12.7 | 14,161.42 | 0.99 | 443 | 442 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 616,685.59 | 3.18 |
| D15019-D15017 | 8 | 244 | 0.012 | 6.8 | 6,311.31 | 0.99 | 483 | 480 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,023,419.11 | 5.28 |
| L13049-L13047 | 8 | 150 | 0.007 | 9.4 | 10,606.27 | 0.99 | 335 | 334 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 753,602.23 | 3.89 |
| F09001-F10009 | 8 | 323 | 0.012 | 6.2 | 5,299.83 | 0.99 | 419 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,027,109.02 | 5.30 |
| L13139-L13131 | 8 | 147 | 0.003 | 14.9 | 25,728.88 | 0.99 | 318 | 317.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 538,287.31 | 2.78 |
| J14059-J14057 | 8 | 217 | 0.009 | 6.6 | 7,561.30 | 0.99 | 337 | 335 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 886,080.01 | 4.57 |
| E12107-E12101 | 8 | 246 | 0.004 | 26.1 | 25,286.49 | 0.99 | 408 | 407 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 588,464.48 | 3.03 |
| D15031-D15029 | 8 | 225 | 0.018 | 5.5 | 4,070.64 | 0.99 | 474 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,230,627.30 | 6.35 |
| E07067-E07065 | 8 | 94 | 0.021 | 6.7 | 2,875.62 | 0.99 | 483 | 481 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,346,290.80 | 6.94 |
| E14139-E14137 | 10 | 345 | 0.009 | 6.4 | 10,870.99 | 0.99 | 445 | 442 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,560,506.52 | 4.83 |
| E04137-E05121 | 8 | 258 | 0.008 | 9.9 | 10,532.84 | 0.99 | 530 | 528 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 812,630.19 | 4.19 |
| D13089-D13087 | 8 | 313 | 0.013 | 7.7 | 6,341.87 | 0.99 | 446 | 442 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,043,387.51 | 5.38 |
| J12045-J12041 | 8 | 255 | 0.005 | 44.3 | 25,334.02 | 0.99 | 361 | 359.77 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 641,018.07 | 3.31 |
| E11021-E11019 | 8 | 388 | 0.008 | 9.6 | 12,743.47 | 0.99 | 405 | 402 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 811,582.31 | 4.19 |
| E03129-E03125 | 8 | 264 | 0.008 | 10 | 11,703.63 | 0.99 | 577 | 575 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 803,342.68 | 4.14 |
| E18105-E18103 | 8 | 49 | 0.02 | 4.5 | 3,949.92 | 0.99 | 536 | 535 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,318,529.25 | 6.80 |
| G04131-G04129 | 8 | 310 | 0.01 | 7.5 | 8,527.46 | 0.99 | 499 | 496 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 907,961.82 | 4.68 |
| J15015-J15013 | 8 | 239 | 0.004 | 12.1 | 18,528.04 | 0.99 | 343 | 342 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 597,019.97 | 3.08 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| E12111-E12109 | 8 | 72 | 0.014 | 5.7 | 6,318.04 | 0.99 | 410 | 409 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,087,731.13 | 5.61 |
| E06081-E06079 | 8 | 249 | 0.012 | 6.4 | 5,751.25 | 0.99 | 513 | 510 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,013,091.71 | 5.22 |
| E12029-E12027 | 8 | 250 | 0.008 | 8.6 | 11,869.52 | 0.99 | 418 | 416 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 825,529.89 | 4.26 |
| E04017-E05053 | 8 | 277 | 0.011 | 13.9 | 7,183.01 | 0.99 | 553 | 550 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 960,524.73 | 4.95 |
| F09115-F09113 | 8 | 15 | 0.007 | 8 | 9,800.32 | 0.99 | 431 | 430.9 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 753,602.23 | 3.89 |
| E08007-E08003 | 8 | 309 | 0.01 | 34.8 | 6,591.32 | 0.99 | 451 | 448 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 909,429.83 | 4.69 |
| D16087-D16081 | 8 | 204 | 0.015 | 7.6 | 4,770.76 | 0.99 | 484 | 480.95 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,128,554.78 | 5.82 |
| E11135-E11133 | 8 | 298 | 0.013 | 53.9 | 5,951.09 | 0.99 | 427 | 423 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,069,324.88 | 5.51 |
| L14055-L14053 | 10 | 241 | 0.001 | 100 | 944,712.95 | 0.99 | 313.29 | 313 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 580,503.69 | 1.80 |
| F05015-F05013 | 8 | 251 | 0.012 | 8.3 | 6,627.92 | 0.99 | 508 | 505 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,009,047.41 | 5.20 |
| H10029-H10027 | 8 | 291 | 0.007 | 22.6 | 9,446.52 | 1 | 399 | 397 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 765,167.14 | 3.95 |
| H11065-H11063 | 8 | 302 | 0.007 | 8.1 | 10,153.11 | 1 | 385 | 383 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 751,102.72 | 3.87 |
| F09053-F10035 | 8 | 239 | 0.004 | 13.2 | 18,051.74 | 1 | 419 | 418 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 597,019.97 | 3.08 |
| C02039-C02023 | 8 | 194 | 0.01 | 8.7 | 7,399.03 | 1 | 642 | 640 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 937,134.53 | 4.83 |
| J14057-J14055 | 8 | 206 | 0.01 | 13.2 | 7,384.57 | 1 | 335 | 333 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 909,429.83 | 4.69 |
| D02043-D02023 | 8 | 237 | 0.013 | 10.4 | 6,198.48 | 1 | 606 | 603 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,038,422.91 | 5.36 |
| D08109-E08067 | 15 | 438 | 0.005 | 7.3 | 23,432.01 | 1 | 467 | 465 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,334,027.23 | 4.30 |
| E04023-E04021 | 8 | 328 | 0.003 | 20.3 | 44,730.48 | 1 | 536 | 535 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 509,625.19 | 2.63 |
| H12059-H12017 | 8 | 426 | 0.002 | 31.7 | 40,112.69 | 1 | 369 | 368 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 447,180.65 | 2.31 |
| E03137-E03135 | 8 | 210 | 0.01 | 7.7 | 9,114.98 | 1 | 567 | 565 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 900,726.95 | 4.65 |
| D04053-D04051 | 8 | 363 | 0.011 | 6.6 | 7,393.46 | 1 | 580 | 576 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 968,867.73 | 5.00 |
| F09017-F09015 | 15 | 135 | 0.004 | 20.7 | 39,828.92 | 1 | 425.5 | 425 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,002,681.84 | 3.87 |
| C07077-C07053 | 8 | 195 | 0.005 | 14.1 | 22,010.94 | 1 | 514 | 513 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 660,952.88 | 3.41 |
| F04193-F04185 | 8 | 160 | 0.014 | 8.2 | 4,762.79 | 1 | 531.28 | 529 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,098,353.89 | 5.66 |
| F04087-F04075 | 8 | 199 | 0.02 | 5.3 | 3,169.78 | 1 | 525.39 | 521.4 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,306,916.13 | 6.74 |
| F07115-F07113 | 8 | 248 | 0.004 | 14.9 | 28,080.99 | 1 | 474 | 473 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 586,086.84 | 3.02 |
| H06007-H06005 | 12 | 331 | 0.002 | 28.4 | 190,644.42 | 1 | 439 | 438.48 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,078,579.53 | 2.09 |
| C03031-C03029 | 8 | 164 | 0.049 | 3.3 | 1,458.80 | 1 | 684 | 676 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,038,500.76 | 10.51 |
| G08045-G08043 | 8 | 308 | 0.01 | 6.9 | 6,444.18 | 1 | 435 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 910,904.98 | 4.70 |
| G08033-G08031 | 8 | 246 | 0.008 | 8.1 | 8,048.82 | 1 | 433 | 431 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 832,214.45 | 4.29 |
| J07121-J07119 | 10 | 140 | 0.003 | 14.5 | 41,754.57 | 1 | 414.52 | 414.1 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 916,590.04 | 2.84 |
| E04131-E05123 | 8 | 358 | 0.008 | 8.3 | 9,074.41 | 1 | 533 | 530 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 844,903.13 | 4.36 |
| E03003-E04041 | 8 | 268 | 0.007 | 10.7 | 12,940.20 | 1 | 547 | 545 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 797,325.05 | 4.11 |
| F07129-F07127 | 8 | 236 | 0.004 | 14.9 | 26,953.85 | 1 | 472 | 471 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 600,802.60 | 3.10 |
| D03035-D03033 | 8 | 319 | 0.022 | 4 | 3,281.77 | 1 | 625 | 618 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,367,229.71 | 7.05 |
| F13081-F13079 | 8 | 77 | 0.013 | 26.3 | 7,637.51 | 1 | 419.99 | 419 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,046,550.14 | 5.40 |
| L14081-L13155 | 8 | 252 | 0.004 | 100 | 20,806.55 | 1 | 327 | 326 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 581,416.75 | 3.00 |
| F12125-F12123 | 8 | 249 | 0.008 | 9.8 | 13,389.09 | 1 | 405 | 403 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 827,185.92 | 4.27 |
| D07151-E07075 | 8 | 225 | 0.009 | 8.2 | 8,548.76 | 1 | 474 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 870,184.91 | 4.49 |
| J11151-J11149 | 8 | 335 | 0.008 | 9.1 | 11,171.56 | 1 | 372.8 | 370 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 843,809.52 | 4.35 |
| D16043-D16039 | 8 | 65 | 0.008 | 9.1 | 11,776.04 | 1 | 494.5 | 494 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 809,498.65 | 4.17 |
| G14089-G14087 | 8 | 229 | 0.013 | 5.2 | 4,201.04 | 1.01 | 415 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,056,405.60 | 5.45 |
| D14111-D14109 | 8 | 76 | 0.007 | 9.3 | 13,544.01 | 1.01 | 453 | 452.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 748,627.91 | 3.86 |
| H08027-H08025 | 8 | 80 | 0.013 | 5.7 | 6,631.81 | 1.01 | 433 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,031,912.36 | 5.32 |
| F13049-F13047 | 12 | 63 | 0.003 | 11.3 | 43,158.51 | 1.01 | 410.83 | 410.61 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,608,072.27 | 3.11 |
| F15045-F15039 | 8 | 127 | 0.017 | 5.1 | 4,137.37 | 1.01 | 444 | 441.85 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,200,895.39 | 6.19 |
| G08029-G08027 | 8 | 82 | 0.006 | 9.5 | 12,321.90 | 1.01 | 430 | 429.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 720,718.85 | 3.72 |
| E06087-E06085 | 8 | 252 | 0.004 | 13.4 | 22,546.90 | 1.01 | 501 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 581,416.75 | 3.00 |
| H11153-H11151 | 8 | 279 | 0.011 | 6.7 | 5,600.26 | 1.01 | 383 | 380 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 957,075.80 | 4.94 |
| J15023-J15021 | 8 | 198 | 0.004 | 13.3 | 21,534.28 | 1.01 | 331 | 330.25 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 568,049.06 | 2.93 |
| K09009-K09007 | 12 | 301 | 0.007 | 10.3 | 51,303.78 | 1.01 | 386.56 | 384.38 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,315,845.04 | 4.48 |
| H11027-H11025 | 8 | 180 | 0.011 | 100 | 5,318.42 | 1.01 | 371 | 369 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 972,896.30 | 5.02 |
| C06065-C06063 | 8 | 301 | 0.04 | 2.2 | 1,211.57 | 1.01 | 567 | 555 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,842,872.05 | 9.50 |
| D14105-D14103 | 8 | 80 | 0.025 | 3.5 | 2,780.86 | 1.01 | 460 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,459,344.45 | 7.53 |
| E05157-E05151 | 8 | 253 | 0.008 | 8.5 | 9,873.90 | 1.01 | 520 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 820,620.84 | 4.23 |
| G10075-H10041 | 8 | 256 | 0.008 | 12.6 | 8,339.27 | 1.01 | 392 | 390 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 815,798.35 | 4.21 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| E06093-E06091 | 8 | 160 | 0.013 | 6.3 | 5,751.25 | 1.01 | 507 | 505 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,031,912.36 | 5.32 |
| D11011-D11009 | 8 | 223 | 0.004 | 13.6 | 15,097.76 | 1.01 | 448 | 447 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 618,066.74 | 3.19 |
| D16021-D16019 | 8 | 212 | 0.067 | 9.9 | 795.13 | 1.01 | 509.73 | 495.46 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,394,593.85 | 12.35 |
| F06061-F06059 | 8 | 351 | 0.001 | 37.2 | 102,508.54 | 1.01 | 481.5 | 481 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 348,352.76 | 1.80 |
| C04021-C04019 | 12 | 318 | 0.016 | 3.5 | 7,247.45 | 1.01 | 641 | 636 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,412,211.48 | 6.60 |
| G11027-G11025 | 8 | 307 | 0.003 | 14.9 | 25,203.09 | 1.01 | 384 | 383 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 526,767.07 | 2.72 |
| D16079-D16077 | 8 | 193 | 0.021 | 5.6 | 3,578.07 | 1.01 | 486 | 482 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,328,737.37 | 6.85 |
| D11061-D11057 | 8 | 274 | 0.026 | 3.7 | 2,676.45 | 1.01 | 439 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,475,236.15 | 7.61 |
| F07087-F07085 | 8 | 243 | 0.004 | 22.1 | 28,603.96 | 1.01 | 476 | 475 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 592,085.83 | 3.05 |
| D07011-D07009 | 8 | 103 | 0.01 | 7.1 | 9,256.76 | 1.01 | 491 | 490 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 909,429.83 | 4.69 |
| C06031-C06029 | 8 | 129 | 0.008 | 7.8 | 10,064.68 | 1.01 | 568 | 567 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 812,630.19 | 4.19 |
| F07125-F07079 | 8 | 264 | 0.004 | 25.8 | 32,614.10 | 1.01 | 470 | 469 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 568,049.06 | 2.93 |
| G12063-G12097 | 10 | 405 | 0.01 | 5.2 | 7,811.15 | 1.01 | 385 | 381 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,663,094.75 | 5.15 |
| E08051-E08049 | 8 | 49 | 0.006 | 24.2 | 14,080.67 | 1.01 | 462.3 | 462 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 722,188.21 | 3.72 |
| D03045-D03043 | 8 | 292 | 0.021 | 4.4 | 3,647.01 | 1.01 | 629 | 623 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,323,037.05 | 6.82 |
| F05083-F05081 | 8 | 256 | 0.008 | 8.1 | 10,952.85 | 1.01 | 518 | 516 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 815,798.35 | 4.21 |
| F06121-F06119 | 8 | 327 | 0.003 | 18.1 | 36,418.84 | 1.01 | 484 | 483 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 510,403.84 | 2.63 |
| E04143-E04141 | 8 | 263 | 0.011 | 6.6 | 6,659.40 | 1.01 | 535 | 532 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 985,758.57 | 5.08 |
| D08105-E08065 | 8 | 304 | 0.007 | 13.6 | 12,756.25 | 1.01 | 470 | 468 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 748,627.91 | 3.86 |
| D07077-D07075 | 8 | 236 | 0.004 | 12.8 | 21,181.38 | 1.01 | 525 | 524 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 600,802.60 | 3.10 |
| K11003-K11001 | 18 | 264 | 0.001 | 26.1 | 424,237.44 | 1.01 | 363 | 362.67 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 2,836,587.57 | 2.44 |
| D10099-D09017 | 8 | 451 | 0.009 | 26.8 | 7,061.77 | 1.01 | 447 | 443 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 869,219.64 | 4.48 |
| E04001-E05049 | 8 | 129 | 0.008 | 19.7 | 12,341.30 | 1.01 | 544 | 543 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 812,630.19 | 4.19 |
| D07115-D07113 | 8 | 193 | 0.016 | 14.2 | 4,313.44 | 1.01 | 478 | 475 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,150,720.31 | 5.93 |
| K11061-K11023 | 8 | 265 | 0.003 | 33.9 | 35,131.99 | 1.01 | 346.7 | 346 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 474,366.37 | 2.45 |
| G15067-G15065 | 8 | 323 | 0.006 | 8.3 | 10,266.68 | 1.01 | 494 | 492 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 726,275.75 | 3.75 |
| C04057-C04055 | 8 | 94 | 0.032 | 3 | 2,188.87 | 1.01 | 668 | 665 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,648,862.75 | 8.50 |
| E17021-E16077 | 8 | 377 | 0.005 | 16.7 | 23,296.22 | 1.01 | 499 | 497 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 672,252.04 | 3.47 |
| G08003-G08001 | 8 | 395 | 0.01 | 7.2 | 6,443.30 | 1.01 | 437 | 433 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 928,793.69 | 4.79 |
| K11001-K12007 | 18 | 268 | 0.001 | 27 | 428,334.26 | 1.01 | 362.67 | 362.33 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 2,857,677.73 | 2.46 |
| L13143-L13141 | 8 | 279 | 0.004 | 14.5 | 25,087.70 | 1.01 | 321 | 320 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 552,567.97 | 2.85 |
| E05141-F05079 | 8 | 266 | 0.015 | 10.4 | 4,756.12 | 1.02 | 513 | 509 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,131,819.01 | 5.84 |
| G14013-G14011 | 8 | 327 | 0.015 | 4.9 | 4,129.90 | 1.02 | 418 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,141,297.68 | 5.89 |
| F04101-F04099 | 8 | 267 | 0.007 | 8.7 | 11,734.98 | 1.02 | 526 | 524 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 798,816.77 | 4.12 |
| F07127-F07125 | 8 | 246 | 0.004 | 15.8 | 29,797.39 | 1.02 | 471 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 588,464.48 | 3.03 |
| E06117-E06115 | 8 | 120 | 0.008 | 8.1 | 11,401.61 | 1.02 | 499 | 498 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 842,552.91 | 4.35 |
| K14089-K14083 | 8 | 252 | 0.004 | 14.8 | 22,511.74 | 1.02 | 318 | 317 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 581,416.75 | 3.00 |
| D08113-D09089 | 10 | 322 | 0.009 | 7.1 | 8,919.68 | 1.02 | 455 | 452 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,615,277.71 | 5.00 |
| H06009-H06007 | 12 | 214 | 0.002 | 27.2 | 176,666.42 | 1.02 | 439.41 | 439 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,191,103.61 | 2.30 |
| F08049-F08047 | 8 | 388 | 0.005 | 11 | 14,256.29 | 1.02 | 446 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 662,654.18 | 3.42 |
| D15011-D15009 | 8 | 260 | 0.006 | 13.1 | 18,751.04 | 1.02 | 480.44 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 686,882.39 | 3.54 |
| G03059-G03027 | 8 | 363 | 0.011 | 17.9 | 7,085.84 | 1.02 | 507 | 503 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 968,867.73 | 5.00 |
| H08025-H08023 | 8 | 75 | 0.013 | 5.6 | 6,564.82 | 1.02 | 432 | 431 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,065,754.50 | 5.50 |
| F04194-F04193 | 8 | 202 | 0.02 | 4.2 | 3,188.74 | 1.02 | 535.44 | 531.28 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,321,254.42 | 6.81 |
| E14089-E14087 | 8 | 236 | 0.004 | 16.5 | 33,480.13 | 1.02 | 434.01 | 433.13 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 563,602.80 | 2.91 |
| G09059-G09057 | 8 | 247 | 0.004 | 13.2 | 21,916.17 | 1.02 | 421 | 420 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,272.05 | 3.03 |
| G03055-G03029 | 8 | 363 | 0.011 | 17.2 | 7,088.45 | 1.02 | 508 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 968,867.73 | 5.00 |
| F08003-F08001 | 8 | 239 | 0.004 | 11.8 | 17,739.40 | 1.02 | 445 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 597,019.97 | 3.08 |
| G07089-G07087 | 8 | 321 | 0.009 | 8.5 | 10,063.54 | 1.02 | 457 | 454 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 892,269.23 | 4.60 |
| F09021-F09019 | 15 | 261 | 0.004 | 7.9 | 39,015.24 | 1.02 | 427 | 426 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,054,013.45 | 3.94 |
| H11139-H11131 | 8 | 265 | 0.004 | 15.5 | 23,770.92 | 1.02 | 376 | 375 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 566,976.25 | 2.92 |
| E09047-E09045 | 8 | 385 | 0.005 | 10.4 | 14,354.77 | 1.03 | 438 | 436 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 665,230.94 | 3.43 |
| F06125-F06123 | 8 | 169 | 0.003 | 18.2 | 36,283.24 | 1.03 | 486.5 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 502,029.75 | 2.59 |
| C04047-C04045 | 8 | 289 | 0.004 | 14 | 24,929.19 | 1.03 | 822.48 | 821.29 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 592,259.95 | 3.05 |
| E04093-E04091 | 6 | 314 | 0.01 | 16.7 | 8,487.45 | 1.03 | 568 | 565 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 418,903.17 | 3.24 |
| D06079-D06077 | 8 | 262 | 0.008 | 8.3 | 11,468.03 | 1.03 | 545 | 543 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 806,403.05 | 4.16 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| D07051-D07049 | 8 | 120 | 0.042 | 2.6 | 1,319.08 | 1.03 | 511 | 506 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,884,005.59 | 9.72 |
| D03129-E03127 | 8 | 381 | 0.016 | 6.2 | 5,218.88 | 1.03 | 584 | 578 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,158,246.36 | 5.97 |
| C07023-C08005 | 8 | 229 | 0.004 | 15.5 | 31,528.58 | 1.03 | 511 | 510 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 609,916.06 | 3.15 |
| E16009-E16003 | 8 | 283 | 0.007 | 18.7 | 15,570.64 | 1.03 | 479 | 477 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 775,906.85 | 4.00 |
| C07017-C07015 | 8 | 85 | 0.024 | 4.9 | 2,875.62 | 1.03 | 530 | 528 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,415,772.08 | 7.30 |
| F18055-F18053 | 8 | 163.7 | 0.06 | 2 | 1,192.69 | 1.03 | 625.59 | 615.77 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,265,425.31 | 11.68 |
| E08019-E08017 | 8 | 260 | 0.004 | 14 | 22,797.06 | 1.03 | 447 | 446 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 572,401.99 | 2.95 |
| F15105-F15103 | 8 | 203 | 0.005 | 13.7 | 23,665.11 | 1.03 | 469 | 468 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 647,798.28 | 3.34 |
| J07119-J07117 | 10 | 163 | 0.003 | 14.2 | 42,236.36 | 1.03 | 414.1 | 413.56 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 963,202.47 | 2.98 |
| F18017-F18015 | 8 | 171 | 0.012 | 7 | 7,536.51 | 1.03 | 540 | 538 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 998,170.54 | 5.15 |
| G14055-G14053 | 8 | 206 | 0.01 | 5.9 | 6,138.38 | 1.03 | 413 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 909,429.83 | 4.69 |
| E04095-E04089 | 6 | 311 | 0.01 | 17.7 | 8,487.45 | 1.03 | 565 | 562 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 420,918.75 | 3.26 |
| J07141-J07129 | 10 | 164 | 0.003 | 13.5 | 35,184.06 | 1.03 | 416.92 | 416.37 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 969,111.91 | 3.00 |
| C02047-C02043 | 8 | 249 | 0.016 | 6.6 | 5,454.51 | 1.03 | 640 | 636 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,169,817.54 | 6.03 |
| G11047-G11045 | 8 | 289 | 0.007 | 8.3 | 10,790.05 | 1.03 | 383 | 381 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 767,810.21 | 3.96 |
| G08041-G09067 | 8 | 314 | 0.006 | 9 | 12,332.39 | 1.03 | 430 | 428 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 736,610.63 | 3.80 |
| D01065-D01063 | 8 | 274 | 0.008 | 8.2 | 11,610.65 | 1.03 | 603.41 | 601.16 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 836,380.28 | 4.31 |
| F03191-F03185 | 8 | 160 | 0.016 | 6.6 | 4,759.16 | 1.03 | 534.05 | 531.52 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,157,004.72 | 5.97 |
| F15083-F15081 | 8 | 232 | 0.013 | 6.4 | 7,139.72 | 1.03 | 476 | 473 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,049,553.16 | 5.41 |
| F14117-F14115 | 8 | 252 | 0.016 | 5.8 | 5,542.34 | 1.03 | 444 | 440 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,162,833.49 | 6.00 |
| K13015-K13013 | 8 | 200 | 0.038 | 7.3 | 1,570.22 | 1.03 | 331 | 323.4 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,799,200.68 | 9.28 |
| F07143-F08127 | 8 | 315 | 0.01 | 8.2 | 9,682.07 | 1.03 | 464 | 461 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 900,726.95 | 4.65 |
| H14017-J14113 | 8 | 161 | 0.006 | 9.4 | 13,284.42 | 1.03 | 356 | 355 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 727,402.63 | 3.75 |
| D17067-D17059 | 12 | 72 | 0.003 | 17.1 | 79,871.61 | 1.03 | 511.5 | 511.25 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,603,497.38 | 3.10 |
| E09041-E09039 | 8 | 265 | 0.011 | 36.5 | 6,182.03 | 1.03 | 444 | 441 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 982,031.68 | 5.06 |
| D03071-D03069 | 8 | 291 | 0.01 | 7.6 | 10,148.02 | 1.03 | 613 | 610 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 937,134.53 | 4.83 |
| E06045-E06043 | 8 | 238 | 0.004 | 14.1 | 22,549.98 | 1.03 | 504 | 503 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 598,272.90 | 3.09 |
| E18057-E18055 | 8 | 298 | 0.011 | 8.1 | 10,214.70 | 1.03 | 533.21 | 529.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 987,317.57 | 5.09 |
| D03023-D03021 | 8 | 303 | 0.02 | 4.5 | 4,369.46 | 1.03 | 614 | 608 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,298,799.52 | 6.70 |
| F06149-F06147 | 8 | 213 | 0.005 | 14.4 | 21,730.05 | 1.03 | 491 | 490 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 632,408.95 | 3.26 |
| G12081-G12071 | 15 | 124 | 0.002 | 13.1 | 89,055.30 | 1.04 | 385.3 | 385 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,426,839.10 | 3.13 |
| D13083-D13081 | 8 | 176 | 0.023 | 8.8 | 3,573.17 | 1.04 | 445 | 441 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,391,430.34 | 7.18 |
| D17083-D17081 | 8 | 232 | 0.004 | 14.8 | 28,483.86 | 1.04 | 502 | 501 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 605,959.80 | 3.13 |
| D13051-D13049 | 10 | 325 | 0.003 | 16.3 | 53,715.42 | 1.04 | 423 | 422 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 928,266.82 | 2.87 |
| E05015-E05013 | 8 | 261 | 0.004 | 15.4 | 26,242.84 | 1.04 | 513 | 512 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 571,304.38 | 2.95 |
| G02021-G02019 | 8 | 196 | 0.003 | 20.6 | 46,943.11 | 1.04 | 512.81 | 512.22 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 506,390.77 | 2.61 |
| H12043-H12041 | 8 | 139 | 0.002 | 22.1 | 47,422.81 | 1.04 | 366 | 365.68 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 442,848.72 | 2.28 |
| D18007-D18005 | 12 | 307 | 0.003 | 13.3 | 58,558.70 | 1.04 | 516 | 515 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,553,085.30 | 3.00 |
| G14021-F14003 | 12 | 291 | 0.003 | 11.4 | 43,091.47 | 1.04 | 415 | 414.04 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,562,980.72 | 3.02 |
| G02005-G02003 | 8 | 362 | 0.004 | 15.1 | 20,642.22 | 1.04 | 524.22 | 522.69 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 600,038.67 | 3.09 |
| E15069-E15067 | 8 | 367 | 0.014 | 6.2 | 7,121.87 | 1.04 | 479 | 474 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,077,307.73 | 5.56 |
| H11151-H11139 | 8 | 536 | 0.007 | 10.9 | 9,892.75 | 1.04 | 380 | 376 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 797,325.05 | 4.11 |
| E17009-D17085 | 8 | 250 | 0.004 | 15.1 | 28,595.70 | 1.04 | 504 | 503 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 583,737.78 | 3.01 |
| H04001-H05049 | 8 | 253 | 0.004 | 23.7 | 68,590.67 | 1.04 | 468 | 467 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 580,266.56 | 2.99 |
| D18005-D18003 | 12 | 296 | 0.003 | 14 | 58,906.53 | 1.04 | 515 | 514 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,581,680.07 | 3.06 |
| D15047-D15045 | 8 | 365 | 0.014 | 9.5 | 6,742.31 | 1.04 | 479 | 474 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,080,255.23 | 5.57 |
| E11055-E12177 | 8 | 254 | 0.012 | 7.1 | 7,805.66 | 1.04 | 422 | 419 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,003,070.77 | 5.17 |
| D03001-D04105 | 8 | 223 | 0.004 | 14.2 | 26,839.78 | 1.04 | 617 | 616 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 618,066.74 | 3.19 |
| E04111-E05103 | 6 | 394 | 0.018 | 29.1 | 3,932.23 | 1.04 | 543 | 536 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 571,240.19 | 4.42 |
| G09139-G09127 | 8 | 120 | 0.008 | 10.4 | 14,748.64 | 1.04 | 418 | 417 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 842,552.91 | 4.35 |
| D02071-D02069 | 8 | 131 | 0.015 | 6.9 | 6,188.09 | 1.04 | 616 | 614 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,140,426.12 | 5.88 |
| F04119-F04117 | 8 | 218 | 0.005 | 12.5 | 19,597.32 | 1.04 | 512.7 | 511.62 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 649,638.03 | 3.35 |
| G13005-G12041 | 8 | 260 | 0.008 | 8.8 | 9,711.72 | 1.04 | 393 | 391 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 809,498.65 | 4.17 |
| G03015-G03013 | 8 | 363 | 0.011 | 21.9 | 7,878.56 | 1.04 | 504 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 968,867.73 | 5.00 |
| C04055-C04053 | 8 | 305 | 0.026 | 4.2 | 2,917.66 | 1.04 | 665 | 657 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,494,799.28 | 7.71 |
| D11097-E11139 | 8 | 249 | 0.02 | 4.9 | 4,161.69 | 1.04 | 433 | 428 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,307,895.77 | 6.75 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| G13111-G13109 | 8 | 248 | 0.004 | 12.3 | 19,011.17 | 1.04 | 392 | 391 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 586,086.84 | 3.02 |
| C04005-C04003 | 8 | 249 | 0.016 | 5.3 | 5,942.73 | 1.04 | 639 | 635 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,169,817.54 | 6.03 |
| E12027-E12025 | 8 | 235 | 0.009 | 100 | 13,433.41 | 1.04 | 416 | 414 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 851,469.06 | 4.39 |
| E15077-E15075 | 8 | 338 | 0.009 | 8.1 | 11,667.04 | 1.04 | 473 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 869,541.04 | 4.48 |
| D01067-D01065 | 8 | 241 | 0.008 | 8.3 | 11,681.82 | 1.04 | 605.36 | 603.41 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 830,226.50 | 4.28 |
| E12175-E12173 | 8 | 237 | 0.008 | 8.7 | 12,816.88 | 1.04 | 416 | 414 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 847,868.76 | 4.37 |
| J07123-J07121 | 10 | 192 | 0.003 | 14.4 | 41,882.91 | 1.04 | 415.16 | 414.52 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 966,170.74 | 2.99 |
| G09105-G09097 | 8 | 145 | 0.007 | 12 | 11,265.77 | 1.04 | 403 | 402 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 766,485.26 | 3.95 |
| H11143-H11141 | 8 | 523 | 0.008 | 8.9 | 10,191.46 | 1.04 | 381 | 377 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 807,173.62 | 4.16 |
| D04015-D05069 | 8 | 275 | 0.018 | 8.5 | 5,102.10 | 1.05 | 611 | 606 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,244,533.13 | 6.42 |
| G12083-G12081 | 15 | 295 | 0.002 | 13.2 | 89,085.00 | 1.05 | 386 | 385.3 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,403,417.46 | 3.10 |
| D09087-D09085 | 8 | 298 | 0.01 | 7 | 6,761.00 | 1.05 | 458 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 926,062.51 | 4.78 |
| E12169-E12167 | 8 | 249 | 0.008 | 10.6 | 15,549.23 | 1.05 | 411 | 409 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 827,185.92 | 4.27 |
| K13011-K13009 | 8 | 344 | 0.027 | 7.2 | 2,314.06 | 1.05 | 332 | 322.54 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,530,573.37 | 7.89 |
| E06051-E06049 | 8 | 216 | 0.014 | 6.1 | 5,751.25 | 1.05 | 513 | 510 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,087,731.13 | 5.61 |
| J06067-J07141 | 10 | 162 | 0.003 | 13 | 35,316.53 | 1.05 | 417.47 | 416.92 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 975,075.73 | 3.02 |
| D14109-D14087 | 8 | 70 | 0.007 | 10.6 | 14,327.07 | 1.05 | 452.5 | 452 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 780,052.42 | 4.02 |
| D15015-D15013 | 8 | 199 | 0.015 | 5.6 | 5,948.28 | 1.05 | 488 | 485 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,133,240.00 | 5.84 |
| F09019-F09017 | 15 | 117 | 0.004 | 7.9 | 39,294.26 | 1.05 | 426 | 425.5 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,225,397.69 | 4.16 |
| E09049-E09047 | 8 | 357 | 0.008 | 8.6 | 8,513.12 | 1.05 | 441 | 438 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 846,085.64 | 4.36 |
| D16063-D16061 | 8 | 149 | 0.007 | 12 | 17,188.07 | 1.05 | 485 | 484 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 756,126.87 | 3.90 |
| F06085-F06083 | 8 | 224 | 0.007 | 9.6 | 13,803.84 | 1.05 | 497.59 | 495.91 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 799,315.88 | 4.12 |
| H05021-H05019 | 10 | 284 | 0.007 | 12.3 | 45,011.51 | 1.05 | 461 | 459 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,404,333.76 | 4.35 |
| F10085-F10083 | 8 | 65 | 0.015 | 4.8 | 4,179.87 | 1.05 | 413 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,144,803.98 | 5.90 |
| J15019-K15015 | 8 | 254 | 0.004 | 14.1 | 24,556.38 | 1.05 | 330 | 329 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 579,123.18 | 2.99 |
| F11031-F11029 | 8 | 259 | 0.005 | 13.3 | 21,958.04 | 1.05 | 401 | 399.64 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 668,817.12 | 3.45 |
| E14115-E13089 | 8 | 216 | 0.044 | 6.1 | 1,590.25 | 1.05 | 440 | 430.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,935,631.74 | 9.98 |
| E05021-E05019 | 8 | 249 | 0.008 | 8.9 | 11,164.86 | 1.05 | 519 | 517 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 827,185.92 | 4.27 |
| C04081-D04041 | 8 | 299 | 0.033 | 3.5 | 2,553.79 | 1.05 | 631 | 621 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,687,921.38 | 8.71 |
| E04053-E04051 | 8 | 414 | 0.01 | 8.1 | 10,433.41 | 1.05 | 551 | 547 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 907,230.48 | 4.68 |
| D06103-D06101 | 8 | 370 | 0.019 | 6 | 4,313.44 | 1.05 | 545 | 538 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,269,509.53 | 6.55 |
| E02062-E02060 | 8 | 54.8 | 0.007 | 11.3 | 14,436.64 | 1.05 | 558.3 | 557.91 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 784,374.07 | 4.05 |
| E14135-E14133 | 10 | 330 | 0.009 | 6.6 | 13,868.20 | 1.06 | 440 | 437 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,595,578.46 | 4.94 |
| G13011-G13005 | 8 | 267 | 0.011 | 6.7 | 6,331.23 | 1.06 | 396 | 393 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 978,346.74 | 5.05 |
| E07065-E07057 | 8 | 315 | 0.006 | 16.7 | 15,508.94 | 1.06 | 481 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 735,440.48 | 3.79 |
| J12079-J12077 | 12 | 285 | 0.007 | 49 | 20,230.32 | 1.06 | 359.76 | 357.81 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,250,916.44 | 4.35 |
| H06071-H06069 | 8 | 300 | 0.006 | 10.5 | 13,892.09 | 1.06 | 439.08 | 437.17 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 736,451.01 | 3.80 |
| G07091-G07089 | 8 | 321 | 0.012 | 6.8 | 7,499.23 | 1.06 | 461 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,030,303.76 | 5.31 |
| G14053-G14051 | 8 | 197 | 0.01 | 7.3 | 6,539.33 | 1.06 | 411 | 409 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 929,971.61 | 4.80 |
| F03041-F03033 | 8 | 250 | 0.012 | 7.6 | 8,137.94 | 1.06 | 524 | 521 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,011,063.49 | 5.21 |
| E10081-E10079 | 8 | 284 | 0.004 | 13.9 | 22,870.07 | 1.06 | 415 | 414 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 547,682.21 | 2.82 |
| E06069-E06065 | 8 | 247 | 0.008 | 8.5 | 11,401.04 | 1.06 | 515 | 513 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 830,528.10 | 4.28 |
| D15069-D15067 | 8 | 74 | 0.014 | 6 | 7,529.53 | 1.06 | 490 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,072,931.38 | 5.53 |
| D02037-D02035 | 8 | 295 | 0.017 | 5.5 | 5,470.21 | 1.06 | 627 | 622 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,201,605.21 | 6.20 |
| J11117-J11115 | 8 | 366 | 0.005 | 14.2 | 24,738.54 | 1.06 | 375 | 373 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 682,279.41 | 3.52 |
| C04011-C04009 | 8 | 272 | 0.022 | 4.3 | 4,008.04 | 1.06 | 626 | 620 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,370,815.42 | 7.07 |
| H05023-H05021 | 10 | 285 | 0.007 | 12.2 | 44,596.18 | 1.06 | 463 | 461 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,401,867.85 | 4.34 |
| D03021-D03019 | 8 | 319 | 0.019 | 5.6 | 5,453.37 | 1.06 | 608 | 602 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,265,808.74 | 6.53 |
| J14011-J14009 | 8 | 325 | 0.006 | 10.4 | 14,502.30 | 1.06 | 335 | 333 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 724,037.61 | 3.73 |
| F12135-F12133 | 8 | 250 | 0.008 | 9.8 | 16,410.18 | 1.06 | 401 | 399 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 825,529.89 | 4.26 |
| D13071-D13069 | 8 | 62 | 0.004 | 17.4 | 36,288.80 | 1.06 | 430.5 | 430.25 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 586,086.84 | 3.02 |
| G10059-G10057 | 8 | 269 | 0.004 | 14.7 | 25,246.24 | 1.06 | 395 | 394 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 562,745.03 | 2.90 |
| H09009-H09007 | 8 | 290 | 0.003 | 20.5 | 49,924.81 | 1.06 | 408 | 407 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 541,986.92 | 2.80 |
| E05037-E05035 | 8 | 357 | 0.006 | 57.5 | 21,473.74 | 1.06 | 531 | 529 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 690,826.04 | 3.56 |
| C11011-C11009 | 8 | 181 | 0.006 | 13.4 | 13,833.60 | 1.06 | 558 | 557 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 686,038.55 | 3.54 |
| G15013-G15011 | 8 | 251 | 0.012 | 6.9 | 8,722.50 | 1.06 | 445 | 442 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,009,047.41 | 5.20 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| H05049-H05047 | 8 | 253 | 0.004 | 24.2 | 74,391.47 | 1.06 | 467 | 466 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 580,266.56 | 2.99 |
| E03115-E03113 | 8 | 207 | 0.019 | 5.9 | 5,688.78 | 1.06 | 577 | 573 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,283,017.65 | 6.62 |
| J11015-J11013 | 8 | 299 | 0.013 | 7.8 | 8,273.86 | 1.06 | 378 | 374 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,067,535.21 | 5.51 |
| E12109-E12107 | 8 | 70 | 0.014 | 10 | 7,506.83 | 1.06 | 409 | 408 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,103,160.71 | 5.69 |
| G10057-H10043 | 8 | 269 | 0.004 | 14.9 | 26,820.84 | 1.06 | 394 | 393 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 562,745.03 | 2.90 |
| F11049-F11047 | 8 | 284 | 0.004 | 15.1 | 24,217.36 | 1.06 | 396 | 395 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 547,682.21 | 2.82 |
| H04017-H04015 | 8 | 303 | 0.007 | 14.2 | 32,678.32 | 1.06 | 478 | 476 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 749,862.25 | 3.87 |
| G05001-H05023 | 10 | 286 | 0.007 | 12.2 | 44,360.00 | 1.06 | 465 | 463 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,399,414.89 | 4.33 |
| C10001-D10087 | 8 | 324 | 0.005 | 10.7 | 15,836.92 | 1.06 | 485 | 483.35 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 658,653.91 | 3.40 |
| D14037-D14035 | 8 | 243 | 0.045 | 2.7 | 1,590.25 | 1.07 | 481 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,963,726.55 | 10.13 |
| F04099-F05067 | 8 | 259 | 0.008 | 12.6 | 13,645.18 | 1.07 | 524 | 522 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 811,059.89 | 4.18 |
| C02021-C02019 | 8 | 269 | 0.011 | 10.8 | 8,496.25 | 1.07 | 639 | 636 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 974,702.98 | 5.03 |
| C07095-C07093 | 8 | 295 | 0.007 | 11.2 | 16,183.69 | 1.07 | 527 | 525 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 759,961.86 | 3.92 |
| G09151-G09149 | 8 | 190 | 0.01 | 8.1 | 12,097.72 | 1.07 | 425.82 | 424 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 903,330.56 | 4.66 |
| G14023-G14021 | 12 | 266 | 0.004 | 11.1 | 40,155.76 | 1.07 | 416 | 415 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,668,490.28 | 3.23 |
| G05115-G05113 | 8 | 188 | 0.011 | 7 | 8,968.91 | 1.07 | 491 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 951,971.35 | 4.91 |
| H09007-H09005 | 8 | 270 | 0.004 | 20.7 | 49,470.65 | 1.07 | 407 | 406 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 561,701.94 | 2.90 |
| D06085-D06073 | 8 | 223 | 0.004 | 16.4 | 23,790.47 | 1.07 | 534 | 533 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 618,066.74 | 3.19 |
| E05061-E05059 | 8 | 421 | 0.012 | 7.2 | 8,480.87 | 1.07 | 532 | 527 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,005,846.62 | 5.19 |
| F09111-F09109 | 8 | 131 | 0.008 | 9.1 | 10,869.88 | 1.07 | 430 | 429 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 806,403.05 | 4.16 |
| D13075-D13073 | 8 | 255 | 0.004 | 18.4 | 34,523.87 | 1.07 | 432 | 431 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 577,986.53 | 2.98 |
| E13013-E13011 | 8 | 300 | 0.01 | 7.6 | 10,096.45 | 1.07 | 427 | 424 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 922,970.47 | 4.76 |
| F06119-F06117 | 10 | 243 | 0.004 | 13.6 | 36,036.62 | 1.07 | 483 | 482 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,073,523.05 | 3.32 |
| F15085-F15083 | 8 | 148 | 0.02 | 5.1 | 4,761.52 | 1.07 | 479 | 476 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,314,067.21 | 6.78 |
| D14101-D14099 | 8 | 105 | 0.01 | 8.8 | 10,734.21 | 1.07 | 458 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 900,726.95 | 4.65 |
| G11005-G11003 | 8 | 290 | 0.014 | 5.4 | 5,370.09 | 1.07 | 384 | 380 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,083,973.85 | 5.59 |
| E18051-D18017 | 8 | 308 | 0.015 | 7.8 | 10,166.66 | 1.07 | 528.15 | 523.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,134,067.55 | 5.85 |
| D13103-D13101 | 8 | 275 | 0.029 | 3.2 | 2,782.94 | 1.07 | 513 | 505 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,574,223.73 | 8.12 |
| G10063-G10061 | 8 | 281 | 0.004 | 12.9 | 21,010.65 | 1.07 | 397 | 395.86 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,877.82 | 3.03 |
| F02157-F02155 | 8 | 300 | 0.001 | 60.2 | 183,371.30 | 1.07 | 539.36 | 539.1 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 271,715.15 | 1.40 |
| E12173-E12171 | 8 | 230 | 0.009 | 10 | 14,022.24 | 1.07 | 414 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 860,674.40 | 4.44 |
| D02107-D02105 | 8 | 254 | 0.012 | 6.4 | 8,111.42 | 1.07 | 623 | 620 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,003,070.77 | 5.17 |
| H05043-H05025 | 8 | 271 | 0.004 | 26.4 | 85,531.55 | 1.07 | 463 | 462 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 560,664.63 | 2.89 |
| J06077-J06075 | 8 | 34 | 0.012 | 7.7 | 6,799.19 | 1.07 | 426.95 | 426.53 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,025,824.33 | 5.29 |
| K12047-K12045 | 8 | 293 | 0.01 | 9.2 | 8,346.27 | 1.07 | 355 | 352 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 933,930.64 | 4.82 |
| F08113-F08107 | 12 | 278 | 0.001 | 41.4 | 204,987.12 | 1.07 | 452 | 451.7 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 893,928.38 | 1.73 |
| E08017-E08015 | 8 | 249 | 0.004 | 36.5 | 25,880.38 | 1.07 | 446 | 445 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 584,908.77 | 3.02 |
| F11015-F11013 | 8 | 390 | 0.008 | 11.3 | 18,218.23 | 1.07 | 400 | 397 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 809,498.65 | 4.17 |
| D02047-D02021 | 8 | 235 | 0.013 | 11.2 | 7,236.30 | 1.07 | 604 | 601 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,042,832.37 | 5.38 |
| J14073-J14071 | 8 | 126 | 0.004 | 14.5 | 26,254.86 | 1.07 | 336 | 335.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 581,416.75 | 3.00 |
| F12087-F12085 | 8 | 237 | 0.008 | 9.7 | 16,483.63 | 1.07 | 402 | 400 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 847,868.76 | 4.37 |
| F04185-F04183 | 8 | 262 | 0.006 | 13.6 | 19,510.60 | 1.08 | 529 | 527.54 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 688,991.06 | 3.55 |
| F06097-F06067 | 8 | 160 | 0.013 | 12 | 8,915.91 | 1.08 | 488 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,031,912.36 | 5.32 |
| E12037-E12035 | 8 | 254 | 0.008 | 11.8 | 17,095.01 | 1.08 | 418 | 416 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 819,003.86 | 4.22 |
| E06043-E06041 | 8 | 247 | 0.004 | 20.6 | 27,962.50 | 1.08 | 503 | 502 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,272.05 | 3.03 |
| D05027-D05025 | 8 | 224 | 0.027 | 4.4 | 2,873.56 | 1.08 | 591 | 585 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,510,565.02 | 7.79 |
| E13011-E13009 | 8 | 304 | 0.01 | 8.5 | 11,255.23 | 1.08 | 424 | 421 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 916,878.19 | 4.73 |
| E15061-E15059 | 8 | 328 | 0.006 | 15 | 21,811.93 | 1.08 | 462 | 460 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 720,718.85 | 3.72 |
| D03047-D03037 | 8 | 327 | 0.012 | 8.4 | 9,430.76 | 1.08 | 611 | 607 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,020,807.67 | 5.26 |
| E16017-E16015 | 8 | 318 | 0.013 | 14.8 | 8,139.25 | 1.08 | 482 | 478 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,035,152.28 | 5.34 |
| F02041-F02039 | 8 | 67 | 0.006 | 12.7 | 20,248.22 | 1.08 | 524.74 | 524.36 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 695,091.86 | 3.58 |
| G10051-G10039 | 8 | 136 | 0.004 | 17.2 | 27,282.41 | 1.08 | 401.5 | 401 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 559,633.05 | 2.89 |
| D13081-D13079 | 8 | 205 | 0.005 | 13.9 | 26,769.66 | 1.08 | 441 | 440 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 644,630.54 | 3.32 |
| J14071-J14069 | 8 | 120 | 0.004 | 14.2 | 25,929.75 | 1.08 | 335.5 | 335 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 595,774.88 | 3.07 |
| E03135-E03091 | 8 | 215 | 0.009 | 15.2 | 12,350.74 | 1.08 | 565 | 563 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 890,191.77 | 4.59 |
| E12055-E12053 | 8 | 397 | 0.01 | 8.3 | 11,396.58 | 1.08 | 425 | 421 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 926,451.20 | 4.78 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| F09027-F09023 | 8 | 302 | 0.003 | 18.1 | 38,048.98 | 1.08 | 429 | 428 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 531,109.83 | 2.74 |
| H13019-H13013 | 8 | 249 | 0.004 | 16.3 | 30,110.46 | 1.08 | 371.44 | 370.56 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 548,693.06 | 2.83 |
| E04067-E04057 | 8 | 129 | 0.023 | 6.8 | 3,932.23 | 1.09 | 547 | 544 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,407,516.77 | 7.26 |
| K09007-K09005 | 12 | 301 | 0.01 | 10.2 | 51,161.67 | 1.09 | 384.38 | 381.52 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,652,554.20 | 5.13 |
| F05097-F05087 | 8 | 293 | 0.017 | 8.8 | 5,152.03 | 1.09 | 515 | 510 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,205,699.27 | 6.22 |
| F10059-F10057 | 8 | 224 | 0.004 | 12.1 | 19,244.49 | 1.09 | 408 | 407 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 616,685.59 | 3.18 |
| H05045-H05043 | 8 | 265 | 0.004 | 26.3 | 84,950.65 | 1.09 | 464 | 463 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 566,976.25 | 2.92 |
| E12115-E12107 | 8 | 256 | 0.008 | 11.9 | 15,832.17 | 1.09 | 410 | 408 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 815,798.35 | 4.21 |
| F18013-F18011 | 8 | 331 | 0.012 | 19 | 10,270.96 | 1.09 | 536 | 532 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,014,620.90 | 5.23 |
| E07071-E07069 | 8 | 244 | 0.016 | 5.7 | 5,664.87 | 1.09 | 489 | 485 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,181,742.60 | 6.09 |
| E01027-E01025 | 8 | 217 | 0.004 | 16.9 | 34,652.39 | 1.09 | 590.3 | 589.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 560,406.20 | 2.89 |
| G12009-G12007 | 8 | 265 | 0.006 | 20.6 | 14,898.57 | 1.09 | 381 | 379.48 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 699,015.27 | 3.61 |
| G15017-G15013 | 8 | 260 | 0.015 | 6 | 6,477.55 | 1.09 | 449 | 445 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,144,803.98 | 5.90 |
| H07015-H07013 | 8 | 264 | 0.003 | 18.7 | 35,442.31 | 1.09 | 437.19 | 436.3 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 535,896.41 | 2.76 |
| E05113-E05111 | 8 | 201 | 0.005 | 12.9 | 21,759.10 | 1.09 | 518 | 517 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 651,013.18 | 3.36 |
| K11005-K11003 | 18 | 232 | 0.002 | 25.4 | 419,747.22 | 1.09 | 363.36 | 363 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 3,160,446.53 | 2.72 |
| H04013-H04007 | 8 | 304 | 0.006 | 18.2 | 49,455.48 | 1.09 | 473.68 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 686,128.81 | 3.54 |
| J07125-J07123 | 10 | 137 | 0.004 | 14 | 41,973.84 | 1.09 | 415.66 | 415.16 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,010,972.23 | 3.13 |
| G12015-G12013 | 8 | 102 | 0.006 | 9.5 | 13,107.48 | 1.09 | 384.3 | 383.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 707,886.04 | 3.65 |
| G15011-G15009 | 8 | 262 | 0.011 | 7.7 | 9,972.78 | 1.09 | 442 | 439 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 987,637.99 | 5.09 |
| G12017-G12015 | 8 | 113 | 0.006 | 9.3 | 12,714.57 | 1.09 | 385 | 384.3 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 726,436.41 | 3.75 |
| E04003-E04001 | 8 | 394 | 0.013 | 7.5 | 8,474.97 | 1.09 | 549 | 544 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,039,739.87 | 5.36 |
| H13087-H12067 | 8 | 261 | 0.004 | 14.8 | 27,029.37 | 1.09 | 376 | 375 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 571,304.38 | 2.95 |
| E05111-E05109 | 8 | 211 | 0.005 | 13.4 | 24,361.15 | 1.09 | 517 | 516 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 635,399.08 | 3.28 |
| H06061-H06059 | 8 | 350 | 0.008 | 10 | 12,364.90 | 1.09 | 444.4 | 441.6 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 825,529.89 | 4.26 |
| E06067-E06065 | 8 | 96 | 0.021 | 6.5 | 4,313.44 | 1.09 | 515 | 513 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,332,193.13 | 6.87 |
| D05023-D05021 | 8 | 102 | 0.01 | 7.4 | 9,967.17 | 1.09 | 586 | 585 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 913,876.95 | 4.71 |
| G09117-H09013 | 8 | 306 | 0.003 | 21 | 50,819.45 | 1.1 | 410 | 409 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 527,627.10 | 2.72 |
| G05113-G05111 | 8 | 176 | 0.011 | 7.5 | 9,724.83 | 1.1 | 489 | 487 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 983,889.83 | 5.07 |
| D07095-D07091 | 8 | 337 | 0.012 | 16.7 | 8,004.85 | 1.1 | 489 | 485 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,005,548.11 | 5.19 |
| D15023-E15025 | 8 | 262 | 0.011 | 8.5 | 10,712.87 | 1.1 | 464 | 461 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 987,637.99 | 5.09 |
| C07091-C07087 | 8 | 293 | 0.007 | 12 | 18,969.69 | 1.1 | 524 | 522 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 762,551.18 | 3.93 |
| E12015-E12013 | 8 | 206 | 0.005 | 14.5 | 29,211.92 | 1.1 | 415 | 414 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 643,064.00 | 3.32 |
| G13115-G13113 | 8 | 237 | 0.004 | 12.4 | 19,661.86 | 1.1 | 395 | 394 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 599,533.75 | 3.09 |
| C02001-D02001 | 8 | 353 | 0.003 | 25.3 | 69,116.55 | 1.1 | 626 | 625 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 491,247.61 | 2.53 |
| D06095-D06021 | 8 | 333 | 0.003 | 27.4 | 42,064.37 | 1.1 | 529 | 528 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 505,784.70 | 2.61 |
| F07157-F08141 | 8 | 314 | 0.01 | 8.9 | 12,069.62 | 1.1 | 461 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 902,160.09 | 4.65 |
| F17019-F17017 | 12 | 244 | 0.002 | 22.9 | 141,332.91 | 1.1 | 523 | 522.5 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,231,840.81 | 2.38 |
| K14071-K14069 | 8 | 228 | 0.004 | 14.2 | 26,448.42 | 1.1 | 329 | 328 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 611,252.13 | 3.15 |
| G12011-G12009 | 8 | 354 | 0.006 | 10 | 14,461.94 | 1.1 | 383 | 381 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 693,747.09 | 3.58 |
| E08065-E08063 | 8 | 303 | 0.003 | 18.3 | 37,728.91 | 1.1 | 468 | 467 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 530,232.68 | 2.73 |
| D08039-D08007 | 15 | 202 | 0.005 | 22.9 | 56,726.52 | 1.1 | 457 | 456 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,471,486.77 | 4.48 |
| J07129-J07125 | 10 | 199 | 0.004 | 14 | 42,109.20 | 1.1 | 416.37 | 415.66 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 999,579.05 | 3.09 |
| E01029-E01027 | 8 | 220 | 0.004 | 17 | 34,840.73 | 1.1 | 591.1 | 590.3 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 556,572.14 | 2.87 |
| F11021-F11019 | 8 | 394 | 0.005 | 16.5 | 38,980.22 | 1.1 | 398 | 396 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 657,589.23 | 3.39 |
| F12109-F12107 | 8 | 265 | 0.011 | 44.6 | 11,824.43 | 1.1 | 403 | 400 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 982,031.68 | 5.06 |
| E14111-E14093 | 8 | 270 | 0.019 | 10 | 5,545.96 | 1.1 | 440 | 434.98 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,258,513.23 | 6.49 |
| E14133-E14131 | 10 | 367 | 0.011 | 7.8 | 14,236.94 | 1.1 | 437 | 433 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,747,074.69 | 5.41 |
| F09083-F09081 | 8 | 457 | 0.022 | 16.6 | 3,224.60 | 1.1 | 434 | 424 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,365,305.08 | 7.04 |
| F05091-F05089 | 8 | 377 | 0.011 | 8.8 | 9,458.75 | 1.1 | 515 | 511 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 950,707.95 | 4.90 |
| C02043-C02041 | 8 | 257 | 0.012 | 9.7 | 13,906.85 | 1.1 | 636 | 633.02 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 993,869.53 | 5.13 |
| D10067-D10065 | 8 | 333 | 0.006 | 10.5 | 14,541.11 | 1.1 | 450 | 448 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 715,287.59 | 3.69 |
| F13011-F13009 | 8 | 298 | 0.007 | 9.1 | 11,912.48 | 1.1 | 413 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 756,126.87 | 3.90 |
| D07009-D07141 | 8 | 233 | 0.013 | 7.9 | 9,359.43 | 1.1 | 490 | 487 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,047,298.48 | 5.40 |
| K11073-K11071 | 8 | 317 | 0.003 | 18.3 | 38,022.18 | 1.1 | 348 | 347 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 518,391.86 | 2.67 |
| K13009-K13007 | 8 | 261 | 0.006 | 12.1 | 19,849.77 | 1.1 | 322.54 | 321 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 708,970.09 | 3.66 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| D15027-D15025 | 8 | 91 | 0.011 | 7.8 | 10,737.90 | 1.1 | 466 | 465 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 967,535.95 | 4.99 |
| H04025-H04023 | 8 | 127 | 0.016 | 8.9 | 16,430.84 | 1.1 | 478 | 476 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,158,246.36 | 5.97 |
| D05065-D05063 | 8 | 360 | 0.022 | 4.3 | 4,734.66 | 1.1 | 603 | 595 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,375,883.14 | 7.10 |
| G13119-H13079 | 10 | 263 | 0.008 | 8 | 11,553.18 | 1.1 | 385 | 383.02 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,452,008.74 | 4.49 |
| F08033-F08031 | 8 | 367 | 0.003 | 19 | 37,910.06 | 1.11 | 440 | 439 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 481,786.66 | 2.48 |
| D03033-D03031 | 8 | 329 | 0.021 | 4.9 | 5,099.55 | 1.11 | 618 | 611 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,346,290.80 | 6.94 |
| H13013-H13007 | 8 | 265 | 0.004 | 18.1 | 33,107.91 | 1.11 | 370.56 | 369.63 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 546,772.10 | 2.82 |
| C04059-C04057 | 8 | 161 | 0.081 | 2.2 | 1,094.80 | 1.11 | 681 | 668 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,622,687.49 | 13.53 |
| J08049-J08035 | 8 | 239 | 0.01 | 7.3 | 9,712.72 | 1.11 | 399.24 | 396.88 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 917,159.48 | 4.73 |
| G13071-F13037 | 8 | 226 | 0.005 | 14.3 | 16,169.13 | 1.11 | 405 | 403.84 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 661,245.28 | 3.41 |
| E04059-E04057 | 8 | 267 | 0.011 | 8.5 | 10,420.97 | 1.11 | 547 | 544 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 978,346.74 | 5.05 |
| C06079-C06077 | 8 | 154 | 0.058 | 2.1 | 1,321.70 | 1.11 | 573 | 564 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,231,252.40 | 11.51 |
| K12007-K12005 | 18 | 263 | 0.001 | 27.9 | 482,984.45 | 1.11 | 362.33 | 362 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 2,841,975.20 | 2.44 |
| F15109-F15107 | 8 | 281 | 0.007 | 10.9 | 19,366.94 | 1.11 | 477 | 475 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 778,663.19 | 4.02 |
| E04057-E04049 | 8 | 253 | 0.008 | 12 | 16,255.10 | 1.11 | 544 | 542 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 820,620.84 | 4.23 |
| F09097-F09085 | 8 | 227 | 0.004 | 21.8 | 25,343.72 | 1.11 | 426 | 425 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 612,597.02 | 3.16 |
| E11049-E11047 | 8 | 291 | 0.021 | 6.3 | 5,666.57 | 1.11 | 428 | 422 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,325,308.36 | 6.84 |
| E11029-F11023 | 8 | 386 | 0.005 | 15.8 | 35,926.43 | 1.11 | 403 | 401 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 664,368.68 | 3.43 |
| J14117-J14115 | 8 | 318 | 0.003 | 100 | 44,654.73 | 1.11 | 334 | 333 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 517,576.14 | 2.67 |
| F13101-F12103 | 8 | 307 | 0.007 | 12.5 | 23,199.23 | 1.11 | 411 | 409 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 744,961.14 | 3.84 |
| G08019-G08017 | 8 | 318 | 0.005 | 11.8 | 20,103.65 | 1.11 | 442.74 | 441 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 682,729.82 | 3.52 |
| D06099-D06097 | 8 | 326 | 0.006 | 11.3 | 18,328.49 | 1.11 | 534 | 531 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 722,926.27 | 3.73 |
| F08007-F08005 | 8 | 213 | 0.019 | 5.3 | 4,255.31 | 1.11 | 451 | 447 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,264,817.89 | 6.52 |
| F04167-F04165 | 8 | 251 | 0.004 | 17.2 | 35,218.96 | 1.11 | 527 | 526 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 582,573.80 | 3.00 |
| F09113-F09111 | 8 | 102 | 0.009 | 7.9 | 10,337.04 | 1.11 | 430.9 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 866,979.79 | 4.47 |
| D01029-D01027 | 8 | 278 | 0.011 | 7.9 | 11,631.65 | 1.11 | 622 | 619 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 958,795.61 | 4.94 |
| G04107-G04105 | 12 | 262 | 0.015 | 4 | 8,911.45 | 1.11 | 502 | 498 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,362,357.19 | 6.50 |
| D17085-D17083 | 8 | 194 | 0.005 | 14.5 | 28,527.42 | 1.11 | 503 | 502 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 662,654.18 | 3.42 |
| H08023-H08021 | 8 | 57 | 0.018 | 5.3 | 6,504.97 | 1.12 | 431 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,222,504.25 | 6.30 |
| H11031-H11029 | 8 | 28 | 0.036 | 4 | 2,098.12 | 1.12 | 373 | 372 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,744,250.24 | 9.00 |
| E06059-E06057 | 8 | 253 | 0.012 | 7.8 | 8,626.87 | 1.12 | 511 | 508 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,005,051.17 | 5.18 |
| K11013-K11011 | 18 | 328 | 0.002 | 29.3 | 415,305.15 | 1.12 | 364 | 363.5 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 3,132,486.94 | 2.69 |
| E18061-E18059 | 8 | 329 | 0.013 | 7 | 10,261.96 | 1.12 | 541.8 | 537.6 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,042,832.37 | 5.38 |
| J14007-J14005 | 8 | 213 | 0.005 | 13.4 | 24,501.20 | 1.12 | 332 | 331 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 632,408.95 | 3.26 |
| D15065-D15053 | 8 | 370 | 0.011 | 9.4 | 11,691.67 | 1.12 | 480 | 476 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 959,659.00 | 4.95 |
| E16043-E16041 | 8 | 229 | 0.013 | 9 | 9,194.63 | 1.12 | 485 | 482 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,056,405.60 | 5.45 |
| E05151-E05149 | 8 | 254 | 0.008 | 9.4 | 14,558.04 | 1.12 | 518 | 516 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 819,003.86 | 4.22 |
| F14029-F14027 | 8 | 345 | 0.006 | 10.1 | 14,939.62 | 1.12 | 435 | 433 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 702,737.71 | 3.62 |
| H13029-H13027 | 8 | 48 | 0.006 | 12.1 | 14,565.86 | 1.12 | 373.2 | 372.9 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 729,672.23 | 3.76 |
| E14025-E14023 | 8 | 220 | 0.005 | 15.6 | 32,777.30 | 1.12 | 455 | 454 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 622,266.57 | 3.21 |
| F12103-F12101 | 8 | 327 | 0.006 | 13.1 | 25,534.90 | 1.12 | 409 | 407 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 721,820.03 | 3.72 |
| E11033-E11031 | 8 | 395 | 0.005 | 15.4 | 33,680.78 | 1.12 | 408 | 406 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 656,756.31 | 3.39 |
| E05019-E05017 | 8 | 266 | 0.008 | 10.6 | 15,291.16 | 1.12 | 517 | 515 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 800,316.90 | 4.13 |
| E05007-E05005 | 8 | 310 | 0.023 | 5.5 | 4,271.62 | 1.12 | 535 | 528 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,386,934.59 | 7.15 |
| E04101-E04099 | 8 | 265 | 0.011 | 8.1 | 11,044.61 | 1.12 | 554 | 551 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 982,031.68 | 5.06 |
| F14001-F13049 | 12 | 256 | 0.005 | 10.9 | 43,229.32 | 1.12 | 412 | 410.83 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,839,659.49 | 3.56 |
| G02029-G02027 | 8 | 240 | 0.004 | 19 | 46,571.71 | 1.12 | 511.36 | 510.38 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 589,787.04 | 3.04 |
| E18059-E18057 | 8 | 323 | 0.014 | 7.1 | 10,236.38 | 1.12 | 537.6 | 533.21 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,076,016.19 | 5.55 |
| H04015-H04013 | 8 | 297 | 0.008 | 16 | 33,488.30 | 1.12 | 476 | 473.68 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 815,743.41 | 4.21 |
| E14105-E14093 | 8 | 360 | 0.014 | 10.8 | 9,084.44 | 1.12 | 439.98 | 434.98 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,087,731.13 | 5.61 |
| J12015-J12027 | 30 | 257 | 0.001 | 14.3 | 533,162.83 | 1.12 | 359.38 | 359 | Vitrified Clay Pipe-Circular-30 inch | 4.9 | 12,046,561.19 | 3.80 |
| E03065-E03063 | 8 | 106 | 0.009 | 9.3 | 14,253.87 | 1.12 | 575 | 574 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 896,468.17 | 4.62 |
| E13101-E13099 | 10 | 378 | 0.005 | 13 | 36,132.01 | 1.12 | 427 | 425 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,217,260.72 | 3.77 |
| H11157-H11129 | 8 | 530 | 0.009 | 13.6 | 10,018.45 | 1.12 | 379 | 374 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 896,468.17 | 4.62 |
| C06077-C06075 | 8 | 246 | 0.041 | 3.6 | 1,871.54 | 1.12 | 564 | 554 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,860,888.08 | 9.60 |
| E04037-E04035 | 8 | 392 | 0.01 | 11.3 | 12,961.65 | 1.12 | 548 | 544 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 932,340.97 | 4.81 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| F13047-F13045 | 12 | 331 | 0.005 | 10.4 | 43,135.24 | 1.13 | 410.61 | 409 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,897,856.80 | 3.67 |
| D03075-D03073 | 8 | 297 | 0.017 | 5.9 | 7,273.26 | 1.13 | 623 | 618 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,197,552.56 | 6.18 |
| E13085-E13079 | 8 | 255 | 0.004 | 19.1 | 46,016.44 | 1.13 | 430 | 429 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 577,986.53 | 2.98 |
| E03053-E03051 | 6 | 314 | 0.013 | 14.3 | 8,472.86 | 1.13 | 573 | 569 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 483,707.72 | 3.74 |
| E03069-E03049 | 6 | 314 | 0.013 | 18.6 | 8,472.86 | 1.13 | 570 | 566 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 483,707.72 | 3.74 |
| F07135-F08121 | 8 | 314 | 0.01 | 9.1 | 13,803.11 | 1.13 | 463 | 460 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 902,160.09 | 4.65 |
| D13027-D13025 | 8 | 247 | 0.004 | 16.4 | 34,407.26 | 1.13 | 428 | 427 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 587,272.05 | 3.03 |
| D05091-D05089 | 8 | 277 | 0.029 | 3.9 | 3,642.99 | 1.13 | 601 | 593 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,568,530.31 | 8.09 |
| G03051-G03031 | 8 | 359 | 0.014 | 16.4 | 7,482.03 | 1.13 | 510 | 505 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,089,245.03 | 5.62 |
| F03177-F04177 | 8 | 264 | 0.008 | 10.8 | 16,443.57 | 1.13 | 537 | 535 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 803,342.68 | 4.14 |
| D18003-D18001 | 12 | 263 | 0.004 | 16.6 | 80,232.28 | 1.13 | 514 | 513 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,677,979.40 | 3.25 |
| E06057-E06055 | 8 | 244 | 0.008 | 16.7 | 14,239.23 | 1.13 | 508 | 506 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 835,618.20 | 4.31 |
| J11007-J11005 | 8 | 297 | 0.024 | 5.7 | 4,894.65 | 1.13 | 381 | 374 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,416,963.30 | 7.31 |
| F02039-G02053 | 8 | 176 | 0.005 | 14.4 | 27,430.94 | 1.13 | 524.36 | 523.41 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 678,099.27 | 3.50 |
| L14039-K14083 | 8 | 228 | 0.009 | 12.3 | 12,684.71 | 1.13 | 319 | 317 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 864,441.05 | 4.46 |
| J15021-J15019 | 8 | 45 | 0.006 | 13 | 21,077.73 | 1.13 | 330.25 | 330 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 687,941.57 | 3.55 |
| F01001-F02047 | 8 | 457 | 0.006 | 11.5 | 19,570.69 | 1.13 | 532.57 | 529.97 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 696,171.73 | 3.59 |
| G02027-G02025 | 8 | 99 | 0.004 | 19 | 46,657.92 | 1.13 | 511.77 | 511.36 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 593,966.76 | 3.06 |
| F07017-F07015 | 8 | 220 | 0.005 | 17.4 | 40,995.70 | 1.14 | 453 | 452 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 622,266.57 | 3.21 |
| H09005-H09003 | 8 | 270 | 0.004 | 24.6 | 56,509.67 | 1.14 | 406 | 405 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 561,701.94 | 2.90 |
| H11133-H11131 | 8 | 529 | 0.009 | 12.3 | 10,537.23 | 1.14 | 380 | 375 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 897,315.09 | 4.63 |
| D07087-D07085 | 8 | 97 | 0.031 | 5.3 | 2,875.62 | 1.14 | 508 | 505 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,623,164.62 | 8.37 |
| G08117-G08115 | 12 | 399 | 0.005 | 13 | 43,532.44 | 1.14 | 436 | 434 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,926,606.62 | 3.73 |
| D03043-D03041 | 8 | 313 | 0.019 | 5.1 | 5,830.24 | 1.14 | 623 | 617 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,277,883.50 | 6.59 |
| J14111-J14109 | 8 | 216 | 0.005 | 14.2 | 25,584.42 | 1.14 | 353 | 352 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 628,001.86 | 3.24 |
| H13001-G13107 | 8 | 374 | 0.003 | 19.6 | 40,234.18 | 1.14 | 392 | 391 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 477,256.67 | 2.46 |
| E13077-E13075 | 8 | 316 | 0.003 | 25.8 | 62,637.77 | 1.14 | 427 | 426 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 519,211.46 | 2.68 |
| J08035-J08033 | 8 | 179 | 0.011 | 13.7 | 9,484.29 | 1.14 | 396.88 | 394.87 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 978,046.09 | 5.04 |
| D14075-D14073 | 8 | 264 | 0.042 | 3.2 | 2,385.38 | 1.14 | 474 | 463 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,884,005.59 | 9.72 |
| G13107-G13105 | 8 | 352 | 0.003 | 19.5 | 40,986.75 | 1.14 | 391 | 390 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 491,944.91 | 2.54 |
| D06121-D06119 | 8 | 228 | 0.013 | 13.1 | 8,249.53 | 1.14 | 525 | 522 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,058,719.74 | 5.46 |
| H11037-H11035 | 8 | 238 | 0.013 | 100 | 6,799.47 | 1.14 | 373 | 369.92 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,049,964.67 | 5.42 |
| E16087-E16085 | 6 | 100 | 0.02 | 10.2 | 4,864.58 | 1.14 | 504 | 502 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 606,084.03 | 4.69 |
| K11015-K11013 | 18 | 323 | 0.002 | 24.5 | 415,598.59 | 1.14 | 364.5 | 364 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 3,156,639.09 | 2.71 |
| F15015-F15013 | 8 | 163 | 0.026 | 5.7 | 3,497.76 | 1.14 | 457 | 452.78 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,485,081.30 | 7.66 |
| F06129-F06127 | 8 | 127 | 0.004 | 17 | 36,452.56 | 1.14 | 487.5 | 487 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 579,123.18 | 2.99 |
| E15079-E15077 | 8 | 334 | 0.018 | 6.7 | 6,982.67 | 1.14 | 479 | 473 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,237,058.39 | 6.38 |
| C04019-D04037 | 12 | 277 | 0.018 | 6.6 | 8,681.16 | 1.14 | 636 | 631 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,656,028.86 | 7.07 |
| D10031-D10029 | 8 | 313 | 0.006 | 13.3 | 15,728.60 | 1.14 | 454 | 452 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 737,786.38 | 3.81 |
| G09147-G09145 | 8 | 49 | 0.012 | 7.9 | 12,570.98 | 1.15 | 422.33 | 421.76 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 995,467.75 | 5.13 |
| H10005-H10003 | 12 | 500 | 0.004 | 14.5 | 59,167.09 | 1.15 | 385 | 383 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,721,053.99 | 3.33 |
| F19001-F18035 | 8 | 250 | 0.003 | 23.5 | 61,396.14 | 1.15 | 549.64 | 549 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 508,319.26 | 2.62 |
| K11041-K11039 | 8 | 285 | 0.007 | 11 | 16,220.60 | 1.15 | 358 | 356 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 773,179.58 | 3.99 |
| G04105-G04087 | 12 | 342 | 0.015 | 15.4 | 10,452.62 | 1.15 | 498 | 493 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,290,307.20 | 6.36 |
| D09025-C09003 | 8 | 230 | 0.004 | 14.7 | 26,634.13 | 1.15 | 455.74 | 454.82 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 583,737.78 | 3.01 |
| J14119-J14117 | 8 | 311 | 0.003 | 39.8 | 45,188.72 | 1.15 | 335 | 334 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 523,368.54 | 2.70 |
| K14069-K15009 | 8 | 195 | 0.005 | 14.3 | 26,474.11 | 1.15 | 328 | 327 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 660,952.88 | 3.41 |
| D16089-E16037 | 8 | 203 | 0.005 | 17.4 | 37,597.91 | 1.15 | 497 | 496 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 647,798.28 | 3.34 |
| E06109-F06069 | 8 | 360 | 0.006 | 14.1 | 29,525.92 | 1.15 | 493 | 491 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 687,941.57 | 3.55 |
| J15013-J14023 | 8 | 152 | 0.007 | 18.1 | 18,050.28 | 1.15 | 342 | 341 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 748,627.91 | 3.86 |
| E15067-E15065 | 8 | 280 | 0.014 | 6.7 | 9,483.19 | 1.15 | 474 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,103,160.71 | 5.69 |
| C06035-C06015 | 8 | 293 | 0.007 | 16.2 | 18,475.34 | 1.15 | 541 | 539 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 762,551.18 | 3.93 |
| E11041-E11039 | 8 | 321 | 0.006 | 12.8 | 24,584.17 | 1.15 | 417 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 728,534.78 | 3.76 |
| K14023-K14021 | 18 | 238 | 0.001 | 29.6 | 466,850.54 | 1.15 | 322 | 321.78 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 2,439,293.46 | 2.10 |
| F02043-F02041 | 8 | 159 | 0.007 | 11.5 | 20,321.17 | 1.15 | 525.78 | 524.74 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 746,458.92 | 3.85 |
| H11131-H11129 | 8 | 264 | 0.004 | 18.3 | 35,853.01 | 1.15 | 375 | 374 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 568,049.06 | 2.93 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| H08005-H08003 | 12 | 207 | 0.003 | 14.8 | 75,312.38 | 1.15 | 427.44 | 426.73 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,593,707.07 | 3.08 |
| C03055-D03053 | 8 | 298 | 0.04 | 4.6 | 2,553.72 | 1.15 | 635 | 623 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,852,125.02 | 9.55 |
| G02025-G02021 | 8 | 106 | 0.004 | 18.9 | 46,749.75 | 1.15 | 512.22 | 511.77 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 601,369.13 | 3.10 |
| G09149-G09147 | 8 | 143 | 0.012 | 7.8 | 12,555.82 | 1.15 | 424 | 422.33 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 997,419.89 | 5.14 |
| F15081-F15077 | 8 | 225 | 0.013 | 7.2 | 9,905.47 | 1.15 | 473 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,065,754.50 | 5.50 |
| G09043-G09041 | 8 | 142 | 0.007 | 15.7 | 18,160.32 | 1.15 | 422 | 421 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 774,539.61 | 3.99 |
| D03117-D03115 | 6 | 73 | 0.027 | 6.3 | 3,897.79 | 1.15 | 581 | 579 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 709,367.70 | 5.49 |
| G04055-H04027 | 8 | 244 | 0.016 | 9 | 16,723.99 | 1.15 | 484 | 480 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,181,742.60 | 6.09 |
| G08093-G08091 | 8 | 270 | 0.007 | 11.2 | 20,838.55 | 1.15 | 446 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 794,366.50 | 4.10 |
| J06085-J06075 | 10 | 300 | 0.005 | 10.9 | 29,733.90 | 1.15 | 428.07 | 426.53 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,198,986.36 | 3.71 |
| D14023-D14021 | 8 | 193 | 0.067 | 2.5 | 1,588.82 | 1.15 | 523 | 510 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,395,415.35 | 12.35 |
| G15071-G15057 | 8 | 253 | 0.012 | 9.8 | 7,663.10 | 1.16 | 425 | 422 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,005,051.17 | 5.18 |
| E08071-E08069 | 8 | 62 | 0.032 | 5 | 2,875.62 | 1.16 | 465 | 463 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,657,703.90 | 8.55 |
| G09125-G09119 | 8 | 352 | 0.006 | 17.6 | 32,040.25 | 1.16 | 413 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 695,715.17 | 3.59 |
| E14023-E14021 | 8 | 203 | 0.005 | 31.1 | 34,308.23 | 1.16 | 454 | 453 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 647,798.28 | 3.34 |
| F12101-F12099 | 8 | 312 | 0.006 | 13.6 | 27,865.47 | 1.16 | 407 | 405 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 738,967.79 | 3.81 |
| J11013-J11011 | 8 | 325 | 0.009 | 9.4 | 16,111.81 | 1.16 | 374 | 371 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 886,761.35 | 4.57 |
| G12013-G12011 | 8 | 99 | 0.007 | 9.6 | 13,509.49 | 1.16 | 383.7 | 383 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 776,102.76 | 4.00 |
| C04009-D05071 | 8 | 271 | 0.022 | 7.7 | 5,825.20 | 1.16 | 620 | 614 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,373,342.27 | 7.08 |
| F07151-F08137 | 8 | 317 | 0.013 | 8.1 | 10,285.15 | 1.16 | 463 | 459 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,036,783.73 | 5.35 |
| G02017-G02015 | 8 | 221 | 0.004 | 19.3 | 46,821.87 | 1.16 | 514.25 | 513.38 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 579,096.98 | 2.99 |
| G15057-G15035 | 8 | 147 | 0.005 | 13.7 | 24,281.61 | 1.16 | 422 | 421.31 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 632,344.41 | 3.26 |
| E12127-E12001 | 8 | 225 | 0.013 | 37.1 | 12,210.12 | 1.16 | 405 | 402 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,065,754.50 | 5.50 |
| D07003-D07001 | 8 | 213 | 0.005 | 29.3 | 28,177.20 | 1.16 | 487 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 632,408.95 | 3.26 |
| D06101-D06099 | 8 | 381 | 0.01 | 9.4 | 11,396.07 | 1.16 | 538 | 534 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 945,704.19 | 4.88 |
| F12099-F12097 | 8 | 322 | 0.006 | 13.9 | 30,199.14 | 1.16 | 405 | 403 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 727,402.63 | 3.75 |
| D06089-D06087 | 8 | 321 | 0.009 | 9.1 | 13,117.53 | 1.16 | 541 | 538 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 892,269.23 | 4.60 |
| D19001-D18055 | 8 | 227 | 0.02 | 6.3 | 10,159.91 | 1.16 | 543.62 | 539.08 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,302,411.76 | 6.72 |
| J12041-J12039 | 21 | 321 | 0.001 | 34.2 | 735,820.19 | 1.16 | 359.77 | 359.46 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 3,760,921.70 | 2.42 |
| F07055-F07053 | 8 | 323 | 0.011 | 8.9 | 15,700.78 | 1.16 | 466 | 462.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 960,772.51 | 4.96 |
| D08083-D08113 | 8 | 219 | 0.014 | 6.4 | 7,782.00 | 1.16 | 458 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,080,255.23 | 5.57 |
| F11011-F11009 | 8 | 393 | 0.008 | 53.6 | 24,875.10 | 1.16 | 395 | 392 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 806,403.05 | 4.16 |
| F07149-F07147 | 8 | 338 | 0.012 | 10.2 | 13,499.35 | 1.16 | 468 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,004,059.51 | 5.18 |
| H09013-H09011 | 8 | 114 | 0.004 | 22 | 50,535.63 | 1.16 | 409 | 408.53 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 592,630.93 | 3.06 |
| G14005-G13059 | 8 | 286 | 0.01 | 11.7 | 8,570.89 | 1.16 | 407 | 404 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 945,290.77 | 4.88 |
| E18015-E18009 | 12 | 110 | 0.009 | 8.2 | 24,624.87 | 1.16 | 520.5 | 519.56 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,515,544.95 | 4.87 |
| J06087-J06085 | 10 | 150 | 0.005 | 10.9 | 30,128.83 | 1.16 | 428.84 | 428.07 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,198,986.36 | 3.71 |
| F08127-F08125 | 8 | 315 | 0.01 | 9.6 | 15,054.06 | 1.16 | 461 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 900,726.95 | 4.65 |
| J14107-J14105 | 8 | 269 | 0.004 | 17.3 | 36,696.52 | 1.17 | 351 | 350 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 562,745.03 | 2.90 |
| D07007-D07005 | 8 | 231 | 0.013 | 7.4 | 8,515.51 | 1.17 | 491 | 488 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,051,822.47 | 5.42 |
| F11033-F11031 | 8 | 285 | 0.007 | 12 | 21,616.28 | 1.17 | 403 | 401 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 773,179.58 | 3.99 |
| E06115-E06113 | 8 | 263 | 0.011 | 10.3 | 12,573.31 | 1.17 | 498 | 495 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 985,758.57 | 5.08 |
| C02005-C02003 | 8 | 323 | 0.003 | 24.9 | 69,722.49 | 1.17 | 628 | 627 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 513,554.51 | 2.65 |
| H10059-H10057 | 8 | 300 | 0.002 | 23.2 | 52,787.28 | 1.17 | 386.7 | 386 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 445,837.09 | 2.30 |
| E04081-E04079 | 8 | 318 | 0.006 | 12.9 | 23,531.18 | 1.17 | 561 | 559 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 731,963.20 | 3.78 |
| D03051-D03049 | 8 | 292 | 0.021 | 5.6 | 6,548.84 | 1.17 | 622 | 616 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,323,037.05 | 6.82 |
| F14021-F14019 | 8 | 294 | 0.006 | 10.7 | 17,617.45 | 1.17 | 426.91 | 425 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 743,927.86 | 3.84 |
| J12039-J12037 | 21 | 266 | 0.001 | 49.2 | 721,321.56 | 1.17 | 359.46 | 359.19 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 3,855,733.64 | 2.49 |
| D17077-D16091 | 8 | 197 | 0.005 | 15.9 | 36,157.92 | 1.17 | 499 | 498 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 657,589.23 | 3.39 |
| K14013-K13005 | 18 | 257 | 0.001 | 30.4 | 503,547.75 | 1.17 | 320.25 | 320 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 2,502,330.28 | 2.15 |
| G08121-G08119 | 12 | 169 | 0.005 | 11.4 | 42,406.54 | 1.17 | 437.38 | 436.5 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,963,642.77 | 3.80 |
| G04113-G04111 | 8 | 247 | 0.012 | 9.8 | 10,902.58 | 1.17 | 496 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,017,185.03 | 5.25 |
| F04071-F05061 | 8 | 266 | 0.007 | 16.3 | 20,289.93 | 1.17 | 516.88 | 515 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 775,936.02 | 4.00 |
| C02013-C02011 | 8 | 300 | 0.003 | 22.6 | 59,814.90 | 1.17 | 632 | 631 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 532,877.25 | 2.75 |
| J12019-J12015 | 21 | 364 | 0.002 | 21 | 481,766.61 | 1.17 | 360 | 359.38 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 4,994,719.62 | 3.22 |
| D02059-D02057 | 8 | 265 | 0.004 | 19.8 | 48,882.42 | 1.17 | 609 | 608 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 566,976.25 | 2.92 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| D12019-E12055 | 8 | 395 | 0.018 | 6.7 | 7,447.60 | 1.17 | 432 | 425 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,228,678.56 | 6.34 |
| D17071-D17069 | 12 | 51 | 0.005 | 13.9 | 79,890.71 | 1.17 | 512 | 511.75 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,905,238.79 | 3.68 |
| G09045-G09043 | 8 | 139 | 0.007 | 10.5 | 18,175.86 | 1.17 | 423 | 422 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 782,853.34 | 4.04 |
| G13061-G13059 | 8 | 299 | 0.003 | 16.7 | 32,411.47 | 1.17 | 405 | 404 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 533,767.61 | 2.75 |
| E02045-E02043 | 8 | 326 | 0.008 | 9.5 | 15,843.84 | 1.17 | 583.71 | 581.03 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 836,847.66 | 4.32 |
| D10035-D10033 | 8 | 323 | 0.025 | 5.3 | 3,530.89 | 1.17 | 467 | 459 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,452,551.50 | 7.49 |
| E13109-E13107 | 8 | 266 | 0.004 | 19.1 | 41,854.79 | 1.17 | 421 | 420 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 565,909.51 | 2.92 |
| H08029-H08017 | 8 | 246 | 0.008 | 14 | 19,132.67 | 1.17 | 430 | 428 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 832,214.45 | 4.29 |
| C03059-D03077 | 8 | 290 | 0.041 | 5 | 2,917.14 | 1.17 | 636 | 624 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,877,497.78 | 9.68 |
| H13005-H13003 | 8 | 255 | 0.004 | 17.6 | 37,907.22 | 1.17 | 369 | 368 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 577,986.53 | 2.98 |
| K11069-K12037 | 8 | 322 | 0.003 | 20.8 | 48,674.42 | 1.17 | 346 | 345 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 514,351.33 | 2.65 |
| D01031-D01029 | 8 | 276 | 0.014 | 7.2 | 9,461.96 | 1.17 | 626 | 622 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,111,125.88 | 5.73 |
| D03073-D03071 | 8 | 306 | 0.016 | 6.8 | 9,079.07 | 1.17 | 618 | 613 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,179,810.06 | 6.08 |
| D02099-D02097 | 8 | 301 | 0.007 | 12 | 23,015.75 | 1.17 | 615 | 613 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 752,349.36 | 3.88 |
| G02015-G02013 | 8 | 222 | 0.004 | 19.3 | 47,025.35 | 1.17 | 515.13 | 514.25 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 581,102.38 | 3.00 |
| F06065-F06063 | 8 | 137 | 0.002 | 32.7 | 100,000.76 | 1.17 | 482 | 481.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 431,904.92 | 2.23 |
| G09145-G09141 | 8 | 145 | 0.012 | 9.2 | 13,028.61 | 1.18 | 421.76 | 420 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,016,857.60 | 5.24 |
| D03049-D03047 | 8 | 301 | 0.017 | 6.5 | 8,723.01 | 1.18 | 616 | 611 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,189,568.79 | 6.14 |
| D16035-D16017 | 8 | 200 | 0.035 | 10.4 | 3,174.89 | 1.18 | 500 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,726,719.64 | 8.91 |
| G12039-G12037 | 8 | 219 | 0.009 | 9.4 | 13,268.23 | 1.18 | 390 | 388 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 882,024.70 | 4.55 |
| D10057-D10027 | 8 | 367 | 0.005 | 15.5 | 20,975.62 | 1.18 | 448 | 446 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 681,349.24 | 3.51 |
| E12065-E12063 | 8 | 250 | 0.004 | 18.4 | 43,185.23 | 1.18 | 413 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 583,737.78 | 3.01 |
| F19010-F19009 | 12 | 300 | 0.005 | 10.7 | 44,565.40 | 1.18 | 563.97 | 563.29 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,863,523.84 | 3.60 |
| F11047-F11045 | 8 | 258 | 0.004 | 16.5 | 31,571.37 | 1.18 | 395 | 394 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 574,616.32 | 2.96 |
| H13069-H13067 | 12 | 236 | 0.007 | 6.1 | 16,808.71 | 1.18 | 374.75 | 373 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,343,297.99 | 4.53 |
| F15057-F15055 | 8 | 246 | 0.008 | 11.3 | 22,266.82 | 1.18 | 456 | 454 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 832,214.45 | 4.29 |
| F08137-F08135 | 8 | 315 | 0.01 | 9.9 | 15,662.09 | 1.18 | 459 | 456 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 900,726.95 | 4.65 |
| G09075-G10035 | 8 | 262 | 0.004 | 16.3 | 32,671.97 | 1.18 | 401 | 400 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 570,213.06 | 2.94 |
| D01037-D01035 | 8 | 344 | 0.015 | 7.1 | 10,546.63 | 1.18 | 621 | 616 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,112,739.71 | 5.74 |
| G14085-G14067 | 8 | 325 | 0.005 | 17.6 | 44,961.57 | 1.18 | 417.18 | 415.48 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 667,529.69 | 3.44 |
| D10069-D10067 | 8 | 363 | 0.019 | 7.2 | 4,842.40 | 1.18 | 457 | 450 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,281,691.53 | 6.61 |
| G12067-G12065 | 15 | 301 | 0.003 | 12.6 | 96,553.78 | 1.18 | 382 | 381 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,843,858.29 | 3.67 |
| J12027-J12025 | 30 | 288 | 0.002 | 13.7 | 532,669.81 | 1.18 | 359 | 358.49 | Vitrified Clay Pipe-Circular-30 inch | 4.9 | 13,183,377.82 | 4.16 |
| D11051-D11025 | 8 | 304 | 0.006 | 15.2 | 18,558.57 | 1.18 | 471 | 469.2 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 710,210.79 | 3.66 |
| D06081-D06079 | 8 | 357 | 0.017 | 7 | 7,301.42 | 1.18 | 551 | 545 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,196,545.79 | 6.17 |
| K15009-K15007 | 8 | 205 | 0.005 | 37.7 | 30,677.04 | 1.18 | 327 | 326 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 644,630.54 | 3.32 |
| E01017-E01015 | 8 | 267 | 0.005 | 15.6 | 34,371.97 | 1.18 | 588.73 | 587.4 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 651,415.36 | 3.36 |
| C06081-C06079 | 8 | 135 | 0.104 | 1.6 | 880.91 | 1.18 | 587 | 573 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,972,247.30 | 15.33 |
| E10061-E10059 | 8 | 257 | 0.002 | 30.9 | 84,269.51 | 1.18 | 424.5 | 424 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 407,104.82 | 2.10 |
| E13023-E13021 | 12 | 254 | 0.001 | 67.1 | 604,100.41 | 1.18 | 424 | 423.8 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 763,594.23 | 1.48 |
| E06089-E06087 | 8 | 250 | 0.008 | 11.7 | 17,035.44 | 1.18 | 503 | 501 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 825,529.89 | 4.26 |
| H13003-H12045 | 8 | 258 | 0.004 | 17.9 | 40,392.79 | 1.18 | 368 | 367 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 574,616.32 | 2.96 |
| F04187-F04165 | 8 | 8 | 0.125 | 9.5 | 797.19 | 1.19 | 527 | 526 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,263,193.40 | 16.83 |
| E07077-E07075 | 8 | 281 | 0.014 | 7.9 | 8,552.30 | 1.19 | 476 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,101,196.04 | 5.68 |
| D06091-D06089 | 8 | 349 | 0.02 | 6.6 | 5,751.25 | 1.19 | 548 | 541 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,307,146.05 | 6.74 |
| D10117-D10115 | 8 | 99 | 0.005 | 15 | 22,628.31 | 1.19 | 436.72 | 436.22 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,926.55 | 3.38 |
| E12177-E12175 | 8 | 251 | 0.012 | 8.2 | 12,446.55 | 1.19 | 419 | 416 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,009,047.41 | 5.20 |
| J14055-J14053 | 8 | 299 | 0.003 | 19.9 | 46,291.25 | 1.19 | 333 | 332 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 533,767.61 | 2.75 |
| C08003-C08001 | 8 | 299 | 0.007 | 14.1 | 32,569.95 | 1.19 | 504 | 502 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 754,861.39 | 3.89 |
| K14083-L14037 | 8 | 228 | 0.004 | 16.1 | 34,344.95 | 1.19 | 317 | 316 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 611,252.13 | 3.15 |
| C03021-C03019 | 8 | 195 | 0.026 | 6.3 | 5,099.63 | 1.19 | 661 | 656 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,477,935.58 | 7.62 |
| D16091-D16089 | 8 | 184 | 0.005 | 16.1 | 36,844.01 | 1.19 | 498 | 497 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 680,422.86 | 3.51 |
| F09039-F09037 | 8 | 226 | 0.005 | 14.5 | 29,385.21 | 1.19 | 435 | 433.87 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 652,638.68 | 3.37 |
| G09101-G09099 | 8 | 35 | 0.029 | 4.8 | 3,172.27 | 1.19 | 405 | 404 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,560,104.84 | 8.05 |
| D04041-D04039 | 8 | 302 | 0.026 | 5.6 | 4,739.67 | 1.19 | 621 | 613 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,502,205.44 | 7.75 |
| G14051-G14049 | 8 | 247 | 0.008 | 9.2 | 12,804.60 | 1.19 | 409 | 407 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 830,528.10 | 4.28 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| E12053-E12051 | 8 | 374 | 0.011 | 10.8 | 15,330.65 | 1.19 | 421 | 417 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 954,513.34 | 4.92 |
| D17057-D17021 | 12 | 187 | 0.005 | 13.8 | 81,035.67 | 1.19 | 511 | 510 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,989,957.01 | 3.85 |
| E06111-E06109 | 8 | 152 | 0.007 | 13.6 | 27,203.45 | 1.19 | 494 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 748,627.91 | 3.86 |
| F08119-F08117 | 8 | 306 | 0.007 | 21.2 | 25,690.86 | 1.19 | 456 | 454 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 746,177.40 | 3.85 |
| E12157-E12155 | 8 | 168 | 0.006 | 13.1 | 26,296.63 | 1.19 | 428 | 427 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 712,087.18 | 3.67 |
| D02007-D02005 | 8 | 270 | 0.011 | 8.5 | 12,896.81 | 1.2 | 599 | 596 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 972,896.30 | 5.02 |
| D12011-D12009 | 8 | 268 | 0.004 | 66.3 | 56,294.35 | 1.2 | 421 | 420 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 563,793.95 | 2.91 |
| H12065-H12063 | 8 | 230 | 0.004 | 16.2 | 33,119.26 | 1.2 | 372 | 371 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 608,588.71 | 3.14 |
| E16061-E16059 | 8 | 259 | 0.008 | 11.7 | 23,413.73 | 1.2 | 487 | 485 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 811,059.89 | 4.18 |
| E06047-E06045 | 8 | 242 | 0.008 | 11.6 | 17,027.69 | 1.2 | 506 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 839,064.07 | 4.33 |
| J06089-J06087 | 10 | 290 | 0.005 | 11.1 | 30,917.54 | 1.2 | 430.33 | 428.84 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,199,523.18 | 3.71 |
| J11077-J12073 | 8 | 322 | 0.003 | 27.3 | 83,624.39 | 1.2 | 365 | 364 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 514,351.33 | 2.65 |
| G14039-G14025 | 8 | 291 | 0.007 | 11.1 | 19,580.14 | 1.2 | 423 | 421 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 765,167.14 | 3.95 |
| C07079-C07077 | 8 | 231 | 0.009 | 11.7 | 21,494.26 | 1.2 | 516 | 514 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 858,809.45 | 4.43 |
| D10101-D09015 | 8 | 231 | 0.004 | 33.5 | 28,897.02 | 1.2 | 442 | 441 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 607,269.99 | 3.13 |
| G12069-G12067 | 15 | 298 | 0.003 | 12.6 | 96,596.02 | 1.2 | 383 | 382 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,858,137.17 | 3.69 |
| F14019-G14039 | 8 | 291 | 0.007 | 10.9 | 18,882.11 | 1.2 | 425 | 423 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 765,167.14 | 3.95 |
| D11053-D10001 | 8 | 325 | 0.009 | 14.7 | 12,350.67 | 1.2 | 429 | 426 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 886,761.35 | 4.57 |
| D03041-D03039 | 8 | 301 | 0.02 | 5.8 | 7,278.13 | 1.2 | 617 | 611 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,303,107.32 | 6.72 |
| D15053-D15045 | 8 | 243 | 0.008 | 12.2 | 21,648.39 | 1.2 | 476 | 474 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 837,335.82 | 4.32 |
| K15049-K15047 | 8 | 258 | 0.008 | 10.1 | 17,255.99 | 1.2 | 329 | 327 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 812,630.19 | 4.19 |
| D15049-D15047 | 8 | 237 | 0.03 | 4.8 | 4,366.44 | 1.2 | 486 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,586,217.20 | 8.18 |
| D02101-D02099 | 8 | 295 | 0.007 | 12 | 23,052.38 | 1.2 | 617 | 615 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 759,961.86 | 3.92 |
| H12061-H12059 | 8 | 256 | 0.004 | 19 | 39,871.82 | 1.2 | 370 | 369 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| F02082-F02077 | 8 | 202 | 0.012 | 8.3 | 11,073.55 | 1.2 | 539.1 | 536.65 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,013,964.69 | 5.23 |
| C03027-C04065 | 8 | 300 | 0.027 | 4.9 | 5,098.02 | 1.2 | 674 | 666 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,507,204.47 | 7.77 |
| E17025-E16079 | 8 | 252 | 0.03 | 9.1 | 4,744.59 | 1.2 | 507 | 499.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,592,275.34 | 8.21 |
| F08029-F08021 | 8 | 57 | 0.004 | 18.7 | 40,735.73 | 1.2 | 438.2 | 438 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 546,720.52 | 2.82 |
| D02091-D02089 | 8 | 163 | 0.006 | 14.4 | 31,152.61 | 1.21 | 608 | 607 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 722,926.27 | 3.73 |
| E09099-E09097 | 8 | 140 | 0.021 | 5.1 | 4,685.80 | 1.21 | 428 | 425 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,351,090.43 | 6.97 |
| E13003-E13001 | 8 | 305 | 0.007 | 13.7 | 24,264.51 | 1.21 | 420 | 418 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 747,399.64 | 3.85 |
| E12143-E12141 | 8 | 400 | 0.005 | 17.5 | 43,696.30 | 1.21 | 407 | 405 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 652,638.68 | 3.37 |
| F07059-F07057 | 8 | 33 | 0.015 | 8.5 | 12,199.21 | 1.21 | 468 | 467.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,136,098.12 | 5.86 |
| E04099-E04097 | 8 | 273 | 0.011 | 15.4 | 14,920.58 | 1.21 | 551 | 548 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 967,535.95 | 4.99 |
| E12139-F12147 | 8 | 398 | 0.005 | 20.3 | 47,890.34 | 1.21 | 402 | 400 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 654,276.42 | 3.37 |
| H11121-H11119 | 8 | 202 | 0.01 | 15.9 | 12,337.61 | 1.21 | 375 | 373 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 918,389.95 | 4.74 |
| K14021-K14019 | 18 | 256 | 0.001 | 28.5 | 468,413.90 | 1.21 | 321.78 | 321.5 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 2,653,384.71 | 2.28 |
| E03045-E04081 | 8 | 288 | 0.007 | 12 | 22,334.93 | 1.21 | 563 | 561 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 769,142.06 | 3.97 |
| K11017-K11015 | 18 | 265 | 0.002 | 23.8 | 407,698.73 | 1.21 | 365 | 364.5 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 3,485,003.78 | 3.00 |
| D15039-D15037 | 8 | 52 | 0.032 | 6.7 | 3,969.42 | 1.21 | 461 | 459.32 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,658,978.57 | 8.56 |
| D03063-D03061 | 8 | 332 | 0.018 | 65 | 11,061.90 | 1.21 | 594 | 588 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,240,778.87 | 6.40 |
| F10033-F10031 | 8 | 205 | 0.005 | 56.9 | 29,501.74 | 1.21 | 417 | 416 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 644,630.54 | 3.32 |
| H10037-H10009 | 12 | 118 | 0.004 | 14.4 | 59,246.68 | 1.21 | 387.05 | 386.6 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,680,466.08 | 3.25 |
| E10063-E10061 | 8 | 251 | 0.002 | 30.8 | 84,375.96 | 1.21 | 425 | 424.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 411,941.88 | 2.12 |
| C04001-D04013 | 8 | 253 | 0.016 | 6.6 | 9,763.75 | 1.21 | 630 | 626 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,160,533.13 | 5.99 |
| D11091-D11089 | 8 | 47 | 0.021 | 5 | 6,522.57 | 1.21 | 449 | 448 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,346,290.80 | 6.94 |
| F06157-F06155 | 10 | 311 | 0.01 | 8 | 18,777.86 | 1.21 | 497 | 494 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,643,595.49 | 5.09 |
| G08095-G08093 | 8 | 52 | 0.01 | 10.5 | 18,431.47 | 1.21 | 446.5 | 446 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 905,047.01 | 4.67 |
| H12063-H12061 | 8 | 236 | 0.004 | 17.2 | 36,129.10 | 1.21 | 371 | 370 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 600,802.60 | 3.10 |
| G03047-G03043 | 8 | 367 | 0.005 | 13.6 | 27,011.35 | 1.21 | 513 | 511 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 681,349.24 | 3.51 |
| C04073-C04071 | 8 | 311 | 0.051 | 3.6 | 2,189.60 | 1.21 | 638 | 622 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,093,474.16 | 10.80 |
| D14069-D14067 | 8 | 368 | 0.022 | 5.8 | 6,609.09 | 1.21 | 466 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,360,845.72 | 7.02 |
| F12145-F12143 | 8 | 398 | 0.005 | 19.5 | 53,649.19 | 1.21 | 399 | 397 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 654,276.42 | 3.37 |
| H06001-H07009 | 12 | 328 | 0.003 | 25.2 | 198,527.71 | 1.21 | 436.16 | 435.26 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,425,439.64 | 2.76 |
| D11081-D11077 | 8 | 201 | 0.015 | 6.7 | 10,027.90 | 1.21 | 447 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,127,587.90 | 5.82 |
| K14027-K14025 | 15 | 260 | 0.001 | 37.7 | 463,547.58 | 1.22 | 322.5 | 322.25 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 1,529,940.46 | 1.97 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| C10003-C10001 | 8 | 162 | 0.012 | 8.7 | 8,827.22 | 1.22 | 487 | 485 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,025,522.75 | 5.29 |
| C06045-C06043 | 8 | 357 | 0.022 | 5 | 5,693.87 | 1.22 | 563 | 555 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,381,652.07 | 7.13 |
| K08001-K08023 | 12 | 35 | 0.008 | 11.8 | 52,316.20 | 1.22 | 392.44 | 392.15 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,477,019.78 | 4.79 |
| D03065-D03063 | 8 | 330 | 0.018 | 6.7 | 10,748.01 | 1.22 | 600 | 594 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,244,533.13 | 6.42 |
| E06075-E06063 | 8 | 248 | 0.012 | 11 | 11,386.03 | 1.22 | 512 | 509 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,015,132.18 | 5.24 |
| G09047-G09045 | 8 | 492 | 0.008 | 10.2 | 16,604.68 | 1.22 | 427 | 423 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 832,214.45 | 4.29 |
| F14003-F14001 | 12 | 377 | 0.005 | 10.4 | 43,298.97 | 1.22 | 414.04 | 412 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,001,745.71 | 3.87 |
| D02089-D02087 | 8 | 163 | 0.006 | 14.6 | 33,162.41 | 1.22 | 607 | 606 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 722,926.27 | 3.73 |
| E08075-F08129 | 12 | 162 | 0.006 | 12.4 | 37,005.17 | 1.22 | 457 | 456 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,137,996.50 | 4.13 |
| F19037-F19035 | 8 | 240 | 0.056 | 2.5 | 1,987.82 | 1.22 | 586.25 | 572.64 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,193,352.07 | 11.31 |
| D10063-D10057 | 8 | 154 | 0.019 | 8.4 | 5,296.33 | 1.22 | 451 | 448 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,288,214.18 | 6.64 |
| G14049-G14047 | 8 | 277 | 0.007 | 10.2 | 15,505.08 | 1.22 | 407 | 405 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 784,265.16 | 4.04 |
| E01025-E01017 | 8 | 145 | 0.005 | 15.5 | 34,473.80 | 1.22 | 589.5 | 588.73 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 672,588.08 | 3.47 |
| E10069-E10067 | 8 | 212 | 0.002 | 30.9 | 83,319.19 | 1.22 | 427.4 | 427 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 400,912.75 | 2.07 |
| E11047-E11045 | 8 | 151 | 0.013 | 8 | 12,871.82 | 1.22 | 422 | 420 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,062,219.65 | 5.48 |
| E03057-E03055 | 8 | 62 | 0.016 | 10.1 | 10,311.17 | 1.22 | 572 | 571 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,172,173.67 | 6.05 |
| E06079-E06061 | 8 | 247 | 0.012 | 14.2 | 11,401.54 | 1.22 | 510 | 507 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,017,185.03 | 5.25 |
| G09035-G09033 | 8 | 246 | 0.016 | 14.5 | 6,445.09 | 1.22 | 427 | 423 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,176,928.96 | 6.07 |
| E03125-E03123 | 8 | 126 | 0.008 | 11.6 | 23,288.77 | 1.22 | 575 | 574 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 822,247.45 | 4.24 |
| E03049-E04091 | 8 | 260 | 0.004 | 21 | 55,372.40 | 1.22 | 566 | 565 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 572,401.99 | 2.95 |
| G13051-G13049 | 8 | 296 | 0.01 | 9.8 | 13,515.56 | 1.22 | 403 | 400 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 929,185.83 | 4.79 |
| E01031-E01029 | 8 | 220 | 0.005 | 16.5 | 35,019.35 | 1.22 | 592.14 | 591.1 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 634,589.87 | 3.27 |
| K14015-K14013 | 18 | 231 | 0.001 | 30 | 502,045.68 | 1.22 | 320.5 | 320.25 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 2,639,399.94 | 2.27 |
| H12003-H12001 | 21 | 450 | 0.001 | 31 | 800,997.38 | 1.22 | 361.15 | 360.7 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 3,827,066.08 | 2.47 |
| K14055-K14053 | 8 | 238 | 0.007 | 39.9 | 22,330.10 | 1.22 | 327 | 325.25 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 791,440.65 | 4.08 |
| D05099-E05009 | 8 | 317 | 0.022 | 6.1 | 5,751.25 | 1.22 | 540 | 533 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,371,535.95 | 7.07 |
| F08141-F08139 | 8 | 316 | 0.009 | 10.5 | 18,033.93 | 1.22 | 458 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 899,300.62 | 4.64 |
| E13107-E13067 | 8 | 259 | 0.004 | 28.7 | 49,372.81 | 1.22 | 420 | 419 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 573,505.95 | 2.96 |
| F09035-F09033 | 8 | 173 | 0.006 | 14.7 | 29,326.64 | 1.22 | 433 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 701,721.46 | 3.62 |
| K14093-K14089 | 8 | 371 | 0.009 | 11.3 | 15,842.24 | 1.23 | 321.45 | 318 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 890,041.79 | 4.59 |
| E10073-E10071 | 8 | 179 | 0.002 | 26.9 | 66,123.44 | 1.23 | 428 | 427.6 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 436,306.10 | 2.25 |
| D06123-D06121 | 8 | 217 | 0.018 | 5.8 | 7,013.88 | 1.23 | 529 | 525 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,253,106.37 | 6.46 |
| D04059-D04057 | 8 | 305 | 0.023 | 4.9 | 5,609.54 | 1.23 | 594 | 587 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,398,256.70 | 7.21 |
| D05105-D05103 | 8 | 270 | 0.007 | 12.1 | 20,182.74 | 1.23 | 542 | 540 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 794,366.50 | 4.10 |
| F04075-F04073 | 8 | 249 | 0.014 | 9.1 | 10,200.90 | 1.23 | 521.4 | 517.91 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,092,699.76 | 5.64 |
| F18011-F18009 | 12 | 391 | 0.003 | 20.5 | 127,098.51 | 1.23 | 532 | 531 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,376,182.78 | 2.66 |
| E07085-E07083 | 8 | 329 | 0.003 | 23.1 | 59,674.94 | 1.23 | 470 | 469 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 508,850.09 | 2.62 |
| F19018-F19015 | 8 | 250 | 0.027 | 10 | 5,640.94 | 1.23 | 559.24 | 552.57 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,504,575.08 | 7.76 |
| E16063-E16061 | 8 | 349 | 0.009 | 11.3 | 21,482.63 | 1.23 | 490 | 487 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 855,727.96 | 4.41 |
| D01025-D01023 | 8 | 272 | 0.011 | 9 | 16,322.00 | 1.23 | 616 | 613 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 969,312.88 | 5.00 |
| G04043-H04017 | 8 | 302 | 0.01 | 13.4 | 31,585.10 | 1.23 | 481 | 478 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 919,909.20 | 4.74 |
| G11035-G11033 | 8 | 141 | 0.007 | 10.9 | 16,459.02 | 1.23 | 388 | 387 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 777,281.36 | 4.01 |
| C02003-C02001 | 8 | 264 | 0.004 | 24.5 | 69,394.00 | 1.23 | 627 | 626 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 568,049.06 | 2.93 |
| C04003-C04001 | 8 | 248 | 0.02 | 6 | 7,841.60 | 1.23 | 635 | 630 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,310,530.01 | 6.76 |
| E16037-E16035 | 8 | 210 | 0.005 | 18.5 | 47,452.15 | 1.23 | 496 | 495 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 636,910.14 | 3.28 |
| C02037-C02025 | 8 | 172 | 0.012 | 8.7 | 13,102.71 | 1.23 | 646 | 644 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 995,264.66 | 5.13 |
| D13019-D13003 | 8 | 210 | 0.005 | 18 | 42,965.09 | 1.23 | 424 | 423 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 636,910.14 | 3.28 |
| E13075-E13073 | 8 | 336 | 0.003 | 28.1 | 86,925.91 | 1.23 | 426 | 425 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 503,521.67 | 2.60 |
| F02070-F03151 | 8 | 168 | 0.006 | 22.7 | 25,216.25 | 1.23 | 535.09 | 534 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 734,745.33 | 3.79 |
| E06019-E06017 | 8 | 324 | 0.015 | 14 | 8,626.87 | 1.23 | 527 | 522 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,146,569.29 | 5.91 |
| E11045-E11041 | 8 | 243 | 0.012 | 10.4 | 14,571.58 | 1.23 | 420 | 417 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,025,522.75 | 5.29 |
| F13113-F13111 | 8 | 69 | 0.014 | 8 | 10,814.26 | 1.23 | 417 | 416 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,111,125.88 | 5.73 |
| G04045-G04043 | 8 | 300 | 0.01 | 12.6 | 30,477.58 | 1.23 | 484 | 481 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 922,970.47 | 4.76 |
| E06121-E06117 | 8 | 256 | 0.02 | 6.9 | 7,833.47 | 1.23 | 504 | 499 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,289,890.45 | 6.65 |
| K13003-K13001 | 24 | 386 | 0.001 | 19.6 | 524,648.60 | 1.23 | 319.5 | 319 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 6,218,741.48 | 3.10 |
| H11063-H11061 | 8 | 290 | 0.01 | 8.2 | 12,824.76 | 1.23 | 383 | 380 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 938,748.89 | 4.84 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| K11075-K11073 | 8 | 313 | 0.006 | 15.4 | 24,367.21 | 1.23 | 350 | 348 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 737,786.38 | 3.81 |
| C03047-C03045 | 8 | 295 | 0.01 | 9.1 | 16,023.20 | 1.23 | 647 | 644 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 930,759.39 | 4.80 |
| F16049-F16047 | 8 | 270 | 0.004 | 22.2 | 60,902.65 | 1.23 | 496 | 495 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 561,701.94 | 2.90 |
| H11119-H11117 | 8 | 338 | 0.003 | 23.8 | 62,334.62 | 1.23 | 373 | 372 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 502,029.75 | 2.59 |
| E15031-E15029 | 10 | 325 | 0.003 | 27.3 | 121,362.66 | 1.24 | 450 | 449 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 928,266.82 | 2.87 |
| F06073-F06071 | 8 | 115 | 0.006 | 14.3 | 32,319.35 | 1.24 | 488.48 | 487.75 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 735,360.53 | 3.79 |
| H12041-H12039 | 8 | 188 | 0.004 | 20.5 | 51,169.21 | 1.24 | 365.68 | 365 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 555,089.92 | 2.86 |
| L14051-L14049 | 10 | 250 | 0.002 | 100 | 909,363.72 | 1.24 | 312 | 311.5 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 748,392.64 | 2.32 |
| D03113-E03065 | 8 | 143 | 0.014 | 8.1 | 12,318.42 | 1.24 | 577 | 575 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,091,527.76 | 5.63 |
| F12005-G12083 | 15 | 271 | 0.004 | 12.5 | 89,030.29 | 1.24 | 387 | 386 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,997,136.72 | 3.86 |
| E05115-E05113 | 8 | 220 | 0.014 | 9.7 | 10,432.66 | 1.24 | 521 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,077,797.31 | 5.56 |
| D08063-D08061 | 8 | 246 | 0.008 | 13.8 | 33,507.20 | 1.24 | 495 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 832,214.45 | 4.29 |
| D07085-D07083 | 8 | 243 | 0.012 | 10.1 | 11,569.79 | 1.24 | 505 | 502 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,025,522.75 | 5.29 |
| F05075-F05073 | 8 | 21 | 0.048 | 100 | 2,293.45 | 1.24 | 505 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,014,086.69 | 10.39 |
| E16031-E16029 | 8 | 205 | 0.005 | 19.2 | 51,270.12 | 1.24 | 493 | 492 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 644,630.54 | 3.32 |
| F10035-F10033 | 8 | 198 | 0.005 | 14.5 | 29,534.88 | 1.24 | 418 | 417 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,926.55 | 3.38 |
| G07051-G07041 | 8 | 402 | 0.007 | 83.6 | 25,382.80 | 1.24 | 454 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 797,325.05 | 4.11 |
| D03031-D03029 | 8 | 319 | 0.022 | 7 | 7,277.25 | 1.24 | 611 | 604 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,367,229.71 | 7.05 |
| G13053-G13051 | 8 | 298 | 0.01 | 8.4 | 13,563.67 | 1.24 | 406 | 403 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 926,062.51 | 4.78 |
| F12085-F12083 | 8 | 251 | 0.012 | 43.4 | 18,048.67 | 1.24 | 400 | 397 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,009,047.41 | 5.20 |
| J11003-J11001 | 8 | 302 | 0.013 | 10.6 | 13,508.06 | 1.24 | 371 | 367 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,062,219.65 | 5.48 |
| H12023-H12021 | 12 | 186 | 0.003 | 52.6 | 613,483.84 | 1.24 | 369.59 | 369 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,532,618.39 | 2.96 |
| J11011-J11001 | 8 | 350 | 0.011 | 11.2 | 16,893.54 | 1.24 | 371 | 367 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 986,696.94 | 5.09 |
| F12143-F12067 | 8 | 379 | 0.005 | 56.4 | 56,742.23 | 1.24 | 397 | 395 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 670,475.94 | 3.46 |
| E06101-E06099 | 8 | 222 | 0.014 | 7.8 | 11,208.91 | 1.24 | 496 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,072,931.38 | 5.53 |
| H11129-H11119 | 8 | 266 | 0.004 | 21.7 | 47,936.94 | 1.24 | 374 | 373 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 565,909.51 | 2.92 |
| E14131-E13103 | 10 | 360 | 0.008 | 10.2 | 26,934.26 | 1.24 | 433 | 430 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,527,650.07 | 4.73 |
| G05003-G05001 | 10 | 280 | 0.011 | 11.6 | 44,048.46 | 1.24 | 468 | 465 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,732,192.37 | 5.36 |
| J07075-J08121 | 10 | 183 | 0.007 | 11.9 | 42,283.38 | 1.25 | 408.69 | 407.4 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,405,024.25 | 4.35 |
| K14053-K15001 | 15 | 266 | 0.001 | 36.4 | 427,381.04 | 1.25 | 325.25 | 325 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 1,512,587.08 | 1.95 |
| D16057-D16055 | 8 | 368 | 0.027 | 6.1 | 5,458.24 | 1.25 | 498 | 488 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,521,471.77 | 7.85 |
| E13071-E13069 | 10 | 589 | 0.003 | 22.4 | 90,365.37 | 1.25 | 424 | 422 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 975,150.97 | 3.02 |
| K12051-K12049 | 8 | 347 | 0.006 | 14.1 | 29,961.61 | 1.25 | 346 | 344 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 700,709.60 | 3.61 |
| D13021-D13019 | 8 | 198 | 0.005 | 17.3 | 41,042.95 | 1.25 | 425 | 424 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,926.55 | 3.38 |
| F08035-F08033 | 8 | 270 | 0.004 | 18.3 | 37,942.57 | 1.25 | 441 | 440 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 561,701.94 | 2.90 |
| F12121-F12105 | 8 | 231 | 0.013 | 45.3 | 16,515.54 | 1.25 | 402 | 399 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,051,822.47 | 5.42 |
| D02039-D02033 | 8 | 329 | 0.012 | 10.9 | 14,488.70 | 1.25 | 624 | 620 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,017,700.19 | 5.25 |
| K14037-K14035 | 8 | 261 | 0.008 | 34.2 | 21,676.82 | 1.25 | 326 | 324 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 807,946.40 | 4.17 |
| E04025-E04023 | 8 | 336 | 0.006 | 18.3 | 42,357.12 | 1.25 | 538 | 536 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 712,087.18 | 3.67 |
| F05127-F05125 | 8 | 293 | 0.01 | 11.8 | 17,794.12 | 1.25 | 496 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 933,930.64 | 4.82 |
| F08125-F08123 | 8 | 318 | 0.009 | 19 | 19,784.55 | 1.25 | 458 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 896,468.17 | 4.62 |
| B01031-B01010 | 8 | 88 | 0.057 | 3.4 | 2,540.90 | 1.25 | 675.45 | 670.41 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,196,382.99 | 11.33 |
| E03099-E03093 | 8 | 229 | 0.004 | 20.6 | 53,106.64 | 1.25 | 565 | 564 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 609,916.06 | 3.15 |
| H14013-H14011 | 8 | 239 | 0.004 | 17.2 | 38,658.37 | 1.25 | 371 | 370 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 597,019.97 | 3.08 |
| D14073-D14065 | 8 | 242 | 0.033 | 5.9 | 4,366.67 | 1.25 | 463 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,678,128.13 | 8.65 |
| E15035-E15033 | 10 | 326 | 0.003 | 24.1 | 118,078.19 | 1.25 | 453 | 452 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 926,842.01 | 2.87 |
| H12027-H12023 | 12 | 159 | 0.003 | 43.8 | 620,993.57 | 1.25 | 370.12 | 369.59 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,571,100.15 | 3.04 |
| E15101-E15099 | 8 | 269 | 0.011 | 9.3 | 17,588.50 | 1.25 | 466 | 463 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 974,702.98 | 5.03 |
| F15133-F15131 | 8 | 241 | 0.017 | 8.3 | 10,294.46 | 1.26 | 455 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,189,075.09 | 6.13 |
| H04007-H04005 | 8 | 243 | 0.008 | 18.8 | 52,891.27 | 1.26 | 472 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 837,335.82 | 4.32 |
| F02196-F02192 | 8 | 161 | 0.003 | 20.2 | 48,730.68 | 1.26 | 550.46 | 549.88 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 545,566.58 | 2.81 |
| J14041-J14039 | 8 | 245 | 0.008 | 11.3 | 18,989.36 | 1.26 | 343 | 341 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 833,911.12 | 4.30 |
| D03039-D03037 | 8 | 213 | 0.019 | 8 | 9,451.47 | 1.26 | 611 | 607 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,264,817.89 | 6.52 |
| H07017-H07015 | 8 | 263 | 0.007 | 14.8 | 24,283.75 | 1.26 | 439 | 437.19 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 765,683.38 | 3.95 |
| F02175-F02173 | 8 | 142 | 0.017 | 6.7 | 8,374.44 | 1.26 | 551.77 | 548.69 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,203,992.77 | 6.21 |
| H08021-H08019 | 8 | 42 | 0.024 | 4.9 | 6,464.60 | 1.26 | 430 | 429 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,424,174.36 | 7.35 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| F15063-F15061 | 8 | 257 | 0.008 | 12.2 | 26,062.96 | 1.26 | 458 | 456 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 814,209.65 | 4.20 |
| E05017-E05015 | 8 | 268 | 0.007 | 13 | 22,238.84 | 1.26 | 515 | 513 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 797,325.05 | 4.11 |
| F11019-F11017 | 8 | 402 | 0.007 | 55.3 | 40,503.17 | 1.26 | 396 | 393 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 797,325.05 | 4.11 |
| F12133-F12081 | 8 | 243 | 0.012 | 50.7 | 17,972.59 | 1.26 | 399 | 396 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,025,522.75 | 5.29 |
| E15105-E15103 | 8 | 229 | 0.013 | 8 | 14,059.41 | 1.26 | 473 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,056,405.60 | 5.45 |
| K15015-K15013 | 8 | 173 | 0.006 | 13.9 | 29,191.32 | 1.26 | 329 | 328 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 701,721.46 | 3.62 |
| L13153-L13151 | 8 | 170 | 0.006 | 100 | 28,617.18 | 1.26 | 325 | 324 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 707,886.04 | 3.65 |
| F07037-F07021 | 8 | 336 | 0.009 | 13.1 | 27,149.14 | 1.26 | 459 | 456 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 872,125.12 | 4.50 |
| D10135-D10133 | 8 | 289 | 0.003 | 19.1 | 43,267.71 | 1.26 | 431 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 542,923.81 | 2.80 |
| E16029-E16027 | 8 | 201 | 0.005 | 19.5 | 53,806.97 | 1.26 | 492 | 491 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 651,013.18 | 3.36 |
| D05113-E05053 | 8 | 246 | 0.02 | 13.6 | 7,621.95 | 1.26 | 555 | 550 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,315,846.58 | 6.79 |
| E12019-E12015 | 8 | 127 | 0.008 | 13.4 | 26,070.00 | 1.26 | 416 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 819,003.86 | 4.22 |
| G14059-G14057 | 8 | 248 | 0.004 | 22.2 | 63,503.45 | 1.26 | 403 | 402 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 586,086.84 | 3.02 |
| K15003-K14053 | 15 | 253 | 0.001 | 35.6 | 406,061.64 | 1.26 | 325.5 | 325.25 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 1,550,961.24 | 2.00 |
| G13057-G13055 | 8 | 320 | 0.003 | 21.3 | 51,365.35 | 1.26 | 402 | 401 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 515,956.18 | 2.66 |
| K14031-K14029 | 15 | 245 | 0.001 | 37 | 459,179.17 | 1.26 | 323.25 | 323 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 1,576,079.65 | 2.03 |
| F08001-F09043 | 8 | 241 | 0.008 | 11.1 | 17,710.38 | 1.26 | 444 | 442 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 840,803.06 | 4.34 |
| E15025-E15007 | 8 | 285 | 0.011 | 21.1 | 18,464.00 | 1.26 | 461 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 946,947.72 | 4.88 |
| E15011-E15009 | 8 | 236 | 0.017 | 18.9 | 9,672.82 | 1.26 | 465 | 461 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,201,605.21 | 6.20 |
| F04177-F04173 | 8 | 263 | 0.008 | 12.4 | 23,054.35 | 1.26 | 535 | 533 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 804,868.50 | 4.15 |
| G14057-G14045 | 8 | 241 | 0.004 | 22.1 | 63,965.52 | 1.26 | 402 | 401 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 594,537.55 | 3.07 |
| E16035-E16033 | 8 | 192 | 0.005 | 18.3 | 48,584.29 | 1.27 | 495 | 494 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 666,096.56 | 3.44 |
| E04033-E04031 | 8 | 6 | 0.167 | 9.7 | 655.37 | 1.27 | 543 | 542 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,768,011.17 | 19.43 |
| E02031-E02005 | 8 | 245 | 0.012 | 21.6 | 13,064.06 | 1.27 | 567.48 | 564.55 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,008,997.99 | 5.20 |
| C05021-C05019 | 8 | 240 | 0.03 | 4.1 | 4,744.14 | 1.27 | 617.79 | 610.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,608,592.17 | 8.30 |
| D15051-D15049 | 8 | 305 | 0.056 | 3.2 | 2,385.38 | 1.27 | 503 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,179,025.68 | 11.24 |
| D01035-D02069 | 8 | 128 | 0.016 | 7.9 | 12,342.49 | 1.27 | 616 | 614 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,153,713.09 | 5.95 |
| D14063-D14047 | 8 | 254 | 0.008 | 12.1 | 25,542.01 | 1.27 | 451 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 819,003.86 | 4.22 |
| E13103-E13101 | 10 | 446 | 0.007 | 11.5 | 36,237.55 | 1.27 | 430 | 427 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,372,485.32 | 4.25 |
| G04111-G05101 | 8 | 264 | 0.008 | 14.8 | 25,866.07 | 1.27 | 493 | 491 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 803,342.68 | 4.14 |
| F16045-F16043 | 8 | 245 | 0.004 | 22.7 | 64,178.89 | 1.27 | 494 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 589,664.20 | 3.04 |
| F13007-G13053 | 8 | 296 | 0.01 | 8.4 | 13,593.21 | 1.27 | 409 | 406 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 929,185.83 | 4.79 |
| F02047-F02045 | 8 | 307 | 0.009 | 10.5 | 19,716.02 | 1.27 | 529.97 | 527.32 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 857,514.67 | 4.42 |
| G10061-G10059 | 8 | 134 | 0.006 | 13.3 | 23,648.11 | 1.27 | 395.86 | 395 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 739,408.83 | 3.81 |
| E04029-E04027 | 8 | 318 | 0.006 | 17.4 | 38,936.68 | 1.27 | 541 | 539 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 731,963.20 | 3.78 |
| F15065-F15063 | 8 | 223 | 0.009 | 11.7 | 23,316.77 | 1.27 | 460 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 874,078.37 | 4.51 |
| E12021-E12019 | 8 | 120 | 0.008 | 12.1 | 25,693.61 | 1.27 | 417 | 416 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 842,552.91 | 4.35 |
| F11023-F11021 | 8 | 394 | 0.008 | 15.6 | 37,448.62 | 1.27 | 401 | 398 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 805,379.04 | 4.15 |
| J14109-J14107 | 8 | 184 | 0.005 | 16 | 31,423.59 | 1.27 | 352 | 351 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 680,422.86 | 3.51 |
| F09109-F09105 | 8 | 249 | 0.008 | 11.4 | 17,884.45 | 1.27 | 429 | 427 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 827,185.92 | 4.27 |
| J14075-J14073 | 8 | 158 | 0.006 | 13.8 | 26,606.57 | 1.27 | 337 | 336 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 734,275.88 | 3.79 |
| F19043-F19041 | 8 | 420 | 0.057 | 5.8 | 2,385.38 | 1.27 | 589.24 | 565.41 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,195,880.90 | 11.33 |
| K12061-K12059 | 8 | 351 | 0.009 | 10.4 | 19,507.24 | 1.27 | 367 | 364 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 853,286.50 | 4.40 |
| C10011-D10091 | 8 | 110 | 0.009 | 16.4 | 14,850.28 | 1.27 | 460 | 459 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 880,017.82 | 4.54 |
| D03037-D03029 | 8 | 277 | 0.011 | 9.9 | 19,563.36 | 1.27 | 607 | 604 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 960,524.73 | 4.95 |
| E03101-E03099 | 8 | 210 | 0.005 | 19.4 | 50,008.43 | 1.27 | 566 | 565 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 636,910.14 | 3.28 |
| K15043-K15041 | 12 | 401 | 0.005 | 11.3 | 42,488.90 | 1.27 | 323 | 321 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,921,796.11 | 3.72 |
| D07083-D07063 | 8 | 297 | 0.007 | 27.2 | 25,794.22 | 1.28 | 502 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 757,398.74 | 3.91 |
| D16033-D16019 | 15 | 123 | 0.004 | 12.9 | 116,532.68 | 1.28 | 496 | 495.46 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,269,155.09 | 4.22 |
| E04079-E04077 | 8 | 291 | 0.007 | 20 | 29,892.50 | 1.28 | 559 | 557 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 765,167.14 | 3.95 |
| D14065-D14063 | 8 | 292 | 0.014 | 10 | 14,100.48 | 1.28 | 455 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,080,255.23 | 5.57 |
| F06083-F06081 | 8 | 98 | 0.01 | 10.3 | 19,699.53 | 1.28 | 495.91 | 494.95 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 913,503.86 | 4.71 |
| D18055-D18053 | 12 | 203 | 0.031 | 4.6 | 10,151.21 | 1.28 | 539.08 | 532.73 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 4,812,861.25 | 9.31 |
| H11103-J11053 | 8 | 276 | 0.003 | 28.4 | 87,615.29 | 1.28 | 367.8 | 367 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 496,910.60 | 2.56 |
| G08017-G08015 | 8 | 259 | 0.008 | 13.4 | 22,214.13 | 1.28 | 441 | 439 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 811,059.89 | 4.18 |
| H06003-H06001 | 12 | 313 | 0.003 | 24.7 | 196,134.65 | 1.28 | 437.16 | 436.16 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,538,127.47 | 2.97 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| D10019-D10017 | 8 | 464 | 0.006 | 11.7 | 21,685.33 | 1.28 | 440 | 437 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 742,146.16 | 3.83 |
| F02187-F02185 | 8 | 296 | 0.004 | 19.2 | 47,915.03 | 1.28 | 547.3 | 546.06 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 596,376.37 | 3.08 |
| D03067-D03065 | 8 | 386 | 0.021 | 6.5 | 10,433.50 | 1.28 | 608 | 600 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,328,737.37 | 6.85 |
| D02005-D02003 | 8 | 264 | 0.011 | 68.9 | 16,506.75 | 1.28 | 596 | 593 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 983,889.83 | 5.07 |
| E05121-E05119 | 8 | 252 | 0.008 | 12.5 | 24,081.60 | 1.28 | 528 | 526 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 822,247.45 | 4.24 |
| E03093-E03091 | 8 | 234 | 0.004 | 21.8 | 60,072.34 | 1.28 | 564 | 563 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 603,364.67 | 3.11 |
| F07021-F07019 | 8 | 266 | 0.008 | 14.1 | 34,066.48 | 1.28 | 456 | 454 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 800,316.90 | 4.13 |
| D15029-D15027 | 8 | 245 | 0.016 | 7.1 | 10,761.37 | 1.28 | 470 | 466 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,179,328.41 | 6.08 |
| K14033-K14031 | 15 | 241 | 0.001 | 36.9 | 457,612.77 | 1.28 | 323.5 | 323.25 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 1,589,105.32 | 2.05 |
| F12149-F12065 | 8 | 414 | 0.012 | 53.5 | 25,973.73 | 1.28 | 399 | 394 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,014,314.51 | 5.23 |
| F16039-F16037 | 8 | 242 | 0.004 | 23.5 | 71,751.90 | 1.28 | 491 | 490 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 593,307.89 | 3.06 |
| D15009-D15007 | 8 | 270 | 0.006 | 14.9 | 34,784.40 | 1.28 | 479 | 477.32 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 728,048.93 | 3.75 |
| H13091-H13089 | 8 | 259 | 0.008 | 12.2 | 18,269.83 | 1.28 | 379 | 377 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 811,059.89 | 4.18 |
| K15013-K15011 | 8 | 159 | 0.006 | 13.7 | 28,771.65 | 1.28 | 328 | 327 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 731,963.20 | 3.78 |
| F03025-F03023 | 8 | 251 | 0.008 | 12.2 | 25,138.97 | 1.28 | 518 | 516 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 823,883.76 | 4.25 |
| F09031-F09029 | 8 | 194 | 0.005 | 16.3 | 38,117.87 | 1.29 | 431 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 662,654.18 | 3.42 |
| E16057-E16055 | 8 | 215 | 0.009 | 11.7 | 25,718.36 | 1.29 | 482 | 480 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 890,191.77 | 4.59 |
| E04051-E04049 | 8 | 398 | 0.013 | 11.3 | 15,588.19 | 1.29 | 547 | 542 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,034,501.85 | 5.34 |
| K15035-K15033 | 12 | 391 | 0.002 | 23 | 138,705.76 | 1.29 | 315 | 314.25 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,191,809.25 | 2.31 |
| C02065-D02039 | 8 | 317 | 0.016 | 7.7 | 11,590.83 | 1.29 | 629 | 624 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,159,159.44 | 5.98 |
| L13133-L13131 | 8 | 79 | 0.006 | 13.4 | 28,425.60 | 1.29 | 318 | 317.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 734,275.88 | 3.79 |
| E11139-E11129 | 8 | 340 | 0.021 | 44.4 | 8,412.04 | 1.29 | 428 | 421 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,324,333.51 | 6.83 |
| H06029-H06021 | 8 | 135 | 0.023 | 6.7 | 7,649.61 | 1.29 | 445.25 | 442.2 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,387,301.46 | 7.15 |
| D05037-D05035 | 8 | 296 | 0.018 | 6.8 | 8,626.87 | 1.29 | 585 | 579.81 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,222,153.15 | 6.30 |
| D05015-D05013 | 8 | 31 | 0.032 | 4.4 | 4,313.44 | 1.29 | 593 | 592 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,657,703.90 | 8.55 |
| F16031-F16029 | 12 | 297 | 0.003 | 22.3 | 172,233.49 | 1.29 | 493 | 492 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,579,015.06 | 3.05 |
| E11035-E11033 | 8 | 397 | 0.008 | 14.5 | 32,163.86 | 1.29 | 411 | 408 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 802,330.28 | 4.14 |
| E16067-E16065 | 8 | 322 | 0.016 | 7.7 | 12,190.04 | 1.29 | 500 | 495 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,150,124.55 | 5.93 |
| E06061-E06055 | 8 | 262 | 0.004 | 22.6 | 54,590.32 | 1.29 | 507 | 506 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 570,213.06 | 2.94 |
| D02023-D02021 | 8 | 296 | 0.007 | 15.8 | 37,727.38 | 1.29 | 603 | 601 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 758,677.05 | 3.91 |
| D15017-D15003 | 8 | 367 | 0.014 | 10.7 | 13,723.13 | 1.29 | 480 | 475 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,077,307.73 | 5.56 |
| H10061-H10059 | 8 | 141 | 0.003 | 22.5 | 52,810.20 | 1.29 | 387.13 | 386.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 509,697.47 | 2.63 |
| E11037-E11035 | 8 | 399 | 0.008 | 13.5 | 30,652.60 | 1.29 | 414 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 800,316.90 | 4.13 |
| F16041-F16039 | 8 | 241 | 0.004 | 23.4 | 71,044.65 | 1.29 | 492 | 491 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 594,537.55 | 3.07 |
| G07079-G08131 | 8 | 395 | 0.008 | 13.1 | 29,604.62 | 1.29 | 446 | 443 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 804,358.93 | 4.15 |
| G05005-G05003 | 8 | 263 | 0.011 | 14.1 | 41,754.67 | 1.29 | 471 | 468 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 985,758.57 | 5.08 |
| J11087-J11085 | 8 | 199 | 0.005 | 20.3 | 58,885.51 | 1.29 | 369 | 368 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 654,276.42 | 3.37 |
| D16039-D16015 | 8 | 189 | 0.011 | 17.9 | 18,913.97 | 1.29 | 494 | 492 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 949,449.57 | 4.90 |
| D07131-D07129 | 8 | 267 | 0.022 | 6.2 | 6,681.36 | 1.29 | 499 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,383,591.23 | 7.14 |
| E11039-E11037 | 8 | 130 | 0.008 | 13.2 | 29,485.40 | 1.29 | 415 | 414 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 809,498.65 | 4.17 |
| G10037-G10031 | 8 | 297 | 0.003 | 26.6 | 55,567.79 | 1.29 | 400 | 399 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 535,561.79 | 2.76 |
| E06095-E07047 | 8 | 333 | 0.012 | 30.1 | 14,219.71 | 1.29 | 493 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,011,569.41 | 5.22 |
| E07069-E07065 | 8 | 235 | 0.017 | 8.3 | 9,894.62 | 1.3 | 485 | 481 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,204,159.10 | 6.21 |
| E06015-E06013 | 8 | 223 | 0.018 | 8.4 | 8,482.91 | 1.3 | 523 | 519 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,236,133.49 | 6.38 |
| G09067-G09065 | 8 | 388 | 0.01 | 9.4 | 15,536.40 | 1.3 | 428 | 424 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 937,134.53 | 4.83 |
| E11031-E11029 | 8 | 381 | 0.008 | 14.9 | 34,794.17 | 1.3 | 406 | 403 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 819,003.86 | 4.22 |
| G10035-G10031 | 8 | 215 | 0.005 | 23.9 | 36,934.92 | 1.3 | 400 | 399 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 629,460.64 | 3.25 |
| H12021-H12019 | 12 | 42 | 0.003 | 88.1 | 603,070.87 | 1.3 | 369 | 368.87 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 513,493.37 | 2.65 |
| E10001-F10037 | 24 | 319 | 0.001 | 33.9 | 1,198,423.32 | 1.3 | 416.35 | 416.1 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 4,837,108.35 | 2.41 |
| F07039-F07037 | 8 | 325 | 0.009 | 12.1 | 27,357.85 | 1.3 | 462 | 459 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 886,761.35 | 4.57 |
| H11105-H11103 | 8 | 66 | 0.003 | 28.1 | 86,441.20 | 1.3 | 368 | 367.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 508,078.52 | 2.62 |
| D13025-D13023 | 8 | 159 | 0.006 | 15.1 | 34,317.94 | 1.3 | 427 | 426 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 731,963.20 | 3.78 |
| D12047-D12045 | 8 | 156 | 0.008 | 12 | 25,965.54 | 1.3 | 440.3 | 439 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 842,552.91 | 4.35 |
| G02019-G02017 | 8 | 99 | 0.006 | 19 | 46,621.95 | 1.3 | 513.38 | 512.81 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 700,337.91 | 3.61 |
| F04009-F04007 | 8 | 249 | 0.012 | 9.7 | 15,956.97 | 1.3 | 518 | 515 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,013,091.71 | 5.22 |
| F07113-F07081 | 8 | 264 | 0.008 | 25.5 | 32,728.18 | 1.3 | 473 | 471 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 803,342.68 | 4.14 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| K12039-K12037 | 8 | 243 | 0.008 | 14 | 20,398.26 | 1.3 | 347 | 345 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 837,335.82 | 4.32 |
| D07075-D07073 | 8 | 251 | 0.008 | 11.8 | 23,733.97 | 1.3 | 524 | 522 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 823,883.76 | 4.25 |
| F13033-F13031 | 12 | 265 | 0.004 | 14.2 | 73,025.83 | 1.3 | 402 | 401 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,671,635.41 | 3.23 |
| G15065-G15063 | 8 | 168 | 0.012 | 7.6 | 11,725.94 | 1.3 | 492 | 490 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,007,043.35 | 5.19 |
| F02189-F02187 | 8 | 296 | 0.004 | 19.3 | 48,231.54 | 1.3 | 548.53 | 547.3 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 593,966.76 | 3.06 |
| K14025-K14023 | 18 | 193 | 0.001 | 28.4 | 465,198.77 | 1.3 | 322.25 | 322 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 2,887,570.12 | 2.48 |
| F08135-F08115 | 8 | 305 | 0.01 | 22 | 21,604.70 | 1.31 | 456 | 453 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 915,373.88 | 4.72 |
| E15065-E15063 | 8 | 333 | 0.018 | 8.2 | 11,450.13 | 1.31 | 470 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,238,914.44 | 6.39 |
| F03033-F03025 | 8 | 245 | 0.012 | 10.4 | 16,648.78 | 1.31 | 521 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,021,328.36 | 5.27 |
| D06003-D06001 | 8 | 11 | 0.091 | 12.7 | 1,437.81 | 1.31 | 523 | 522 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,782,860.68 | 14.35 |
| F04003-G04103 | 8 | 326 | 0.006 | 15.6 | 36,378.97 | 1.31 | 506 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 722,926.27 | 3.73 |
| H08011-H08009 | 8 | 107 | 0.006 | 17.8 | 49,973.23 | 1.31 | 433.65 | 433 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 719,370.45 | 3.71 |
| L14049-L14047 | 10 | 212 | 0.002 | 87.1 | 886,220.89 | 1.31 | 311.5 | 311 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 812,702.47 | 2.51 |
| E15107-E15105 | 8 | 256 | 0.016 | 7.7 | 12,494.80 | 1.31 | 477 | 473 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,153,713.09 | 5.95 |
| D16065-D16063 | 8 | 72 | 0.014 | 9.3 | 15,218.62 | 1.31 | 486 | 485 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,087,731.13 | 5.61 |
| D14077-D14063 | 8 | 245 | 0.024 | 8.6 | 7,533.11 | 1.31 | 457 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,444,376.42 | 7.45 |
| F20001-F19059 | 8 | 250 | 0.133 | 2 | 1,195.15 | 1.31 | 684.48 | 651.22 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,366,502.38 | 17.36 |
| L14025-L14023 | 8 | 147 | 0.014 | 7.7 | 12,975.06 | 1.31 | 313 | 311 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,076,574.62 | 5.55 |
| E16033-E16031 | 8 | 175 | 0.006 | 18.6 | 50,122.65 | 1.31 | 494 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 697,700.10 | 3.60 |
| E05057-E05031 | 8 | 377 | 0.013 | 89.3 | 15,568.31 | 1.31 | 525 | 520 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,062,923.81 | 5.48 |
| D04057-D04053 | 8 | 291 | 0.024 | 5.7 | 7,404.36 | 1.31 | 587 | 580 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,431,496.64 | 7.38 |
| G09063-G09061 | 8 | 387 | 0.01 | 9.6 | 16,069.05 | 1.31 | 429 | 425 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 938,344.52 | 4.84 |
| F08019-F08017 | 8 | 222 | 0.004 | 21.3 | 53,835.68 | 1.31 | 437 | 436.2 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 554,059.38 | 2.86 |
| D10041-D10039 | 8 | 326 | 0.018 | 7.2 | 7,061.77 | 1.31 | 464 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,252,145.03 | 6.46 |
| E15075-E15073 | 8 | 338 | 0.015 | 13.2 | 14,412.24 | 1.31 | 470 | 465 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,122,572.66 | 5.79 |
| D08041-D08039 | 12 | 265 | 0.008 | 10.9 | 56,051.59 | 1.31 | 459 | 457 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,364,049.46 | 4.57 |
| F19020-F19018 | 8 | 250 | 0.037 | 4.1 | 4,457.87 | 1.31 | 568.64 | 559.24 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,782,589.99 | 9.19 |
| F06063-F06061 | 8 | 66 | 0.003 | 33.7 | 101,449.77 | 1.31 | 481.7 | 481.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 508,078.52 | 2.62 |
| E03073-E04105 | 10 | 270 | 0.004 | 20.7 | 95,230.78 | 1.31 | 551 | 550 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,018,433.38 | 3.15 |
| F16043-F16041 | 8 | 238 | 0.004 | 23.2 | 70,340.44 | 1.31 | 493 | 492 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 598,272.90 | 3.09 |
| D13065-D13063 | 10 | 69 | 0.007 | 11.7 | 40,933.29 | 1.31 | 429.5 | 429 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,424,541.04 | 4.41 |
| D01027-D01025 | 8 | 211 | 0.014 | 8.6 | 14,887.32 | 1.31 | 619 | 616 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,100,543.48 | 5.68 |
| J14043-J14041 | 8 | 223 | 0.009 | 10.4 | 19,343.60 | 1.32 | 345 | 343 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 874,078.37 | 4.51 |
| E13021-E13019 | 12 | 272 | 0.001 | 59.8 | 604,165.28 | 1.32 | 423.8 | 423.5 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 903,734.11 | 1.75 |
| H12019-H12017 | 12 | 237 | 0.004 | 41.8 | 602,257.91 | 1.32 | 368.87 | 368 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,648,731.56 | 3.19 |
| G09049-G09047 | 8 | 301 | 0.013 | 8.7 | 12,322.34 | 1.32 | 431 | 427 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,063,982.67 | 5.49 |
| F16047-F16045 | 8 | 216 | 0.005 | 21.7 | 61,586.08 | 1.32 | 495 | 494 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 628,001.86 | 3.24 |
| G10039-G10037 | 8 | 253 | 0.004 | 20.6 | 48,096.29 | 1.32 | 401 | 400 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 580,266.56 | 2.99 |
| C09003-C09001 | 8 | 154 | 0.005 | 16.4 | 31,695.03 | 1.32 | 454.82 | 454 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 673,495.00 | 3.47 |
| G13113-G13111 | 8 | 265 | 0.008 | 11.5 | 19,179.84 | 1.32 | 394 | 392 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 801,825.51 | 4.14 |
| K15051-K15049 | 8 | 194 | 0.01 | 9.7 | 16,749.03 | 1.32 | 331 | 329 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 937,134.53 | 4.83 |
| G04103-G04101 | 8 | 332 | 0.006 | 16 | 39,742.85 | 1.32 | 504 | 502 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 716,364.02 | 3.69 |
| D13097-D13095 | 8 | 270 | 0.019 | 7 | 10,695.85 | 1.32 | 452 | 447 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,256,003.72 | 6.48 |
| E16065-E16063 | 8 | 346 | 0.014 | 9.5 | 14,942.04 | 1.32 | 495 | 490 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,109,519.04 | 5.72 |
| F10091-F10089 | 8 | 283 | 0.004 | 20.1 | 48,407.16 | 1.32 | 411 | 410 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 548,649.00 | 2.83 |
| D02105-D02103 | 8 | 90 | 0.022 | 6.6 | 8,404.04 | 1.32 | 620 | 618 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,375,883.14 | 7.10 |
| D11089-D11081 | 8 | 38 | 0.026 | 5.7 | 6,519.59 | 1.33 | 448 | 447 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,497,255.82 | 7.72 |
| F02045-F02043 | 8 | 152 | 0.01 | 10.7 | 19,982.51 | 1.33 | 527.32 | 525.78 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 929,022.80 | 4.79 |
| G13109-G13095 | 8 | 239 | 0.008 | 18.9 | 18,994.79 | 1.33 | 391 | 389 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 844,313.74 | 4.35 |
| D14041-D14039 | 12 | 300 | 0.003 | 18 | 109,796.92 | 1.33 | 443 | 442 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,571,100.15 | 3.04 |
| D06037-D06035 | 8 | 352 | 0.011 | 9.4 | 16,911.83 | 1.33 | 560 | 556 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 983,889.83 | 5.07 |
| E10005-E10003 | 24 | 282 | 0.001 | 34 | 1,201,092.38 | 1.33 | 416.8 | 416.58 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 4,826,118.03 | 2.41 |
| F06081-F06079 | 8 | 220 | 0.01 | 10.5 | 21,473.52 | 1.33 | 494.95 | 492.69 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 935,471.77 | 4.82 |
| C04071-D04039 | 8 | 333 | 0.027 | 5.9 | 6,556.41 | 1.33 | 622 | 613 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,517,354.11 | 7.83 |
| K12011-K12009 | 8 | 213 | 0.005 | 19.2 | 50,983.21 | 1.33 | 372 | 371 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 632,408.95 | 3.26 |
| F04173-F04171 | 8 | 273 | 0.007 | 13.2 | 29,640.51 | 1.33 | 533 | 531 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 789,989.80 | 4.07 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| G15009-G14035 | 8 | 287 | 0.014 | 8.3 | 15,526.27 | 1.33 | 439 | 435 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,089,624.49 | 5.62 |
| D17081-D17079 | 8 | 129 | 0.008 | 13.9 | 33,467.91 | 1.33 | 501 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 812,630.19 | 4.19 |
| F04123-F04119 | 8 | 243 | 0.014 | 10 | 14,117.17 | 1.33 | 515.99 | 512.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,073,946.43 | 5.54 |
| D08051-D08049 | 12 | 251 | 0.008 | 10 | 51,149.45 | 1.33 | 476 | 474 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,429,084.57 | 4.70 |
| C11013-C10025 | 8 | 306 | 0.016 | 12.7 | 8,793.84 | 1.33 | 513 | 508 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,179,810.06 | 6.08 |
| E06085-E06039 | 8 | 256 | 0.008 | 19.3 | 26,494.69 | 1.33 | 500 | 498 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 815,798.35 | 4.21 |
| D15057-D15055 | 8 | 262 | 0.027 | 5 | 6,844.71 | 1.33 | 493 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,508,641.96 | 7.78 |
| E15097-F15057 | 8 | 253 | 0.012 | 10.6 | 21,106.06 | 1.33 | 459 | 456 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,005,051.17 | 5.18 |
| D13003-D13001 | 8 | 182 | 0.005 | 18.3 | 50,095.40 | 1.33 | 423 | 422 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 684,151.23 | 3.53 |
| D07071-D07069 | 8 | 325 | 0.006 | 23 | 36,012.44 | 1.33 | 518 | 516 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 724,037.61 | 3.73 |
| E05059-E05057 | 8 | 135 | 0.015 | 8.2 | 14,288.69 | 1.33 | 527 | 525 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,123,403.88 | 5.79 |
| H05017-H05015 | 12 | 190 | 0.005 | 18.6 | 149,557.99 | 1.34 | 457 | 456 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,974,184.32 | 3.82 |
| D14009-D14003 | 8 | 210 | 0.014 | 7.9 | 14,316.99 | 1.34 | 461 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,103,160.71 | 5.69 |
| J15011-J14029 | 8 | 480 | 0.004 | 24.9 | 48,808.94 | 1.34 | 348 | 346 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 595,774.88 | 3.07 |
| C02009-C02007 | 8 | 198 | 0.005 | 20.7 | 61,671.48 | 1.34 | 630 | 629 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,926.55 | 3.38 |
| D14039-D13043 | 12 | 291 | 0.003 | 19 | 113,217.32 | 1.34 | 442 | 441 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,595,210.51 | 3.09 |
| G14027-G14025 | 10 | 314 | 0.013 | 8.2 | 20,522.33 | 1.34 | 425 | 421 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,888,772.63 | 5.84 |
| F07147-F08133 | 8 | 325 | 0.009 | 13.5 | 28,268.78 | 1.34 | 464 | 461 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 886,761.35 | 4.57 |
| F09037-F09035 | 8 | 121 | 0.007 | 13.6 | 29,345.83 | 1.34 | 433.87 | 433 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 782,626.86 | 4.04 |
| K13005-K13003 | 18 | 357 | 0.001 | 28.3 | 525,153.34 | 1.34 | 320 | 319.5 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 3,002,562.68 | 2.58 |
| G03043-G03037 | 8 | 290 | 0.007 | 13.9 | 30,338.33 | 1.34 | 511 | 509 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 766,485.26 | 3.95 |
| F02185-F02184 | 8 | 126 | 0.005 | 18.3 | 47,614.34 | 1.34 | 546.06 | 545.41 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 650,142.92 | 3.35 |
| H13093-H13091 | 8 | 236 | 0.013 | 9 | 11,952.45 | 1.34 | 382 | 379 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,040,620.63 | 5.37 |
| F10089-F10079 | 8 | 261 | 0.004 | 27.3 | 48,366.05 | 1.34 | 410 | 409 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 571,304.38 | 2.95 |
| E10003-E10001 | 24 | 277 | 0.001 | 33.7 | 1,199,777.12 | 1.34 | 416.58 | 416.35 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 4,978,920.44 | 2.49 |
| E06099-E07049 | 8 | 233 | 0.013 | 30.9 | 15,395.60 | 1.34 | 493 | 490 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,047,298.48 | 5.40 |
| F06123-F06121 | 8 | 302 | 0.007 | 16.5 | 36,080.42 | 1.34 | 486 | 484 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 751,102.72 | 3.87 |
| G08091-G08065 | 8 | 240 | 0.01 | 45.7 | 23,722.17 | 1.34 | 444 | 441.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 942,002.79 | 4.86 |
| D16011-D16009 | 15 | 280 | 0.004 | 15.8 | 155,588.50 | 1.34 | 489 | 488 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,948,575.03 | 3.80 |
| L13021-L13019 | 8 | 169 | 0.024 | 100 | 9,331.05 | 1.34 | 328 | 324 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,419,954.57 | 7.32 |
| F08139-F08113 | 8 | 307 | 0.01 | 30 | 23,961.45 | 1.34 | 455 | 452 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 912,387.33 | 4.71 |
| F19015-F18037 | 8 | 220.4 | 0.007 | 15.5 | 39,133.64 | 1.34 | 552.57 | 551 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 754,403.51 | 3.89 |
| D04039-D04031 | 8 | 343 | 0.017 | 11.4 | 12,004.69 | 1.34 | 613 | 607 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,220,720.88 | 6.30 |
| F18019-F18017 | 8 | 153 | 0.039 | 4.9 | 4,373.20 | 1.34 | 546 | 540 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,827,753.89 | 9.43 |
| F13039-F13037 | 12 | 42 | 0.006 | 11.8 | 55,957.00 | 1.34 | 404.08 | 403.84 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,057,052.96 | 3.98 |
| D14095-D14093 | 8 | 78 | 0.013 | 9.1 | 17,439.92 | 1.35 | 456 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,045,058.27 | 5.39 |
| D07005-D07003 | 8 | 79 | 0.013 | 11.4 | 15,058.44 | 1.35 | 488 | 487 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,038,422.91 | 5.36 |
| E04035-E04031 | 8 | 267 | 0.007 | 16.3 | 35,429.90 | 1.35 | 544 | 542 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 798,816.77 | 4.12 |
| H07011-H07009 | 8 | 120 | 0.006 | 21.3 | 37,389.31 | 1.35 | 436 | 435.26 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 724,791.42 | 3.74 |
| F05007-G05107 | 8 | 284 | 0.007 | 14.6 | 35,480.39 | 1.35 | 500 | 498 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 774,539.61 | 3.99 |
| E10007-E10005 | 24 | 336 | 0.001 | 34.1 | 1,202,540.71 | 1.35 | 417.06 | 416.8 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 4,806,491.61 | 2.40 |
| D07129-D07127 | 8 | 267 | 0.015 | 8 | 12,335.19 | 1.35 | 493 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,129,697.51 | 5.83 |
| D14057-D14055 | 8 | 279 | 0.043 | 3.4 | 3,971.04 | 1.35 | 503 | 491 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,914,151.59 | 9.87 |
| D15045-D14117 | 8 | 368 | 0.008 | 13.3 | 31,507.31 | 1.35 | 474 | 471 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 833,344.41 | 4.30 |
| H10027-H10025 | 8 | 244 | 0.002 | 38.1 | 124,278.73 | 1.35 | 397 | 396.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 417,809.10 | 2.15 |
| F19035-F19032 | 8 | 240 | 0.06 | 6.5 | 2,778.19 | 1.35 | 572.64 | 558.12 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,270,207.19 | 11.71 |
| F15077-F15075 | 8 | 183 | 0.016 | 7.7 | 13,456.96 | 1.35 | 470 | 467 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,181,742.60 | 6.09 |
| D12049-D12047 | 8 | 80 | 0.011 | 11 | 20,672.20 | 1.35 | 441.21 | 440.3 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 984,381.65 | 5.08 |
| H05019-H05017 | 12 | 122 | 0.016 | 13.3 | 45,398.18 | 1.35 | 459 | 457 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,484,171.95 | 6.74 |
| D05013-D05011 | 8 | 252 | 0.024 | 5.3 | 7,181.78 | 1.35 | 592 | 586 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,424,174.36 | 7.35 |
| D10033-D10031 | 8 | 343 | 0.015 | 8.5 | 10,549.10 | 1.35 | 459 | 454 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,114,360.60 | 5.75 |
| G02009-G02007 | 8 | 182 | 0.005 | 17.9 | 47,517.45 | 1.35 | 521.96 | 520.97 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 680,721.88 | 3.51 |
| D13023-D13021 | 8 | 154 | 0.006 | 16.3 | 38,950.60 | 1.35 | 426 | 425 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 743,750.80 | 3.84 |
| G09111-G09109 | 8 | 28 | 0.036 | 4.9 | 3,754.24 | 1.35 | 405 | 404 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,744,250.24 | 9.00 |
| G12065-G12007 | 15 | 300 | 0.005 | 14.1 | 96,972.01 | 1.35 | 381 | 379.48 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,511,982.68 | 4.53 |
| D17013-D16033 | 15 | 193 | 0.005 | 12.6 | 115,028.33 | 1.35 | 497 | 496 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,551,505.94 | 4.58 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| D05063-D05061 | 8 | 128 | 0.039 | 5.2 | 5,086.85 | 1.35 | 595 | 590 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,824,180.57 | 9.41 |
| E08027-E08025 | 15 | 12 | 0.042 | 2.2 | 4,692.79 | 1.35 | 454 | 453.5 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 10,071,301.06 | 12.99 |
| G10047-G10045 | 8 | 32 | 0.031 | 5.7 | 4,529.39 | 1.36 | 404 | 403 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,631,596.70 | 8.41 |
| G15073-G15071 | 8 | 252 | 0.02 | 5.7 | 6,820.64 | 1.36 | 430 | 425 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,300,087.37 | 6.71 |
| D05131-D05129 | 6 | 19 | 0.053 | 6.2 | 2,773.34 | 1.36 | 574 | 573 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 983,198.13 | 7.61 |
| G14073-G14071 | 8 | 230 | 0.017 | 7.3 | 8,865.10 | 1.36 | 421 | 417 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,217,177.41 | 6.28 |
| E16059-E16057 | 8 | 272 | 0.011 | 11.3 | 24,563.76 | 1.36 | 485 | 482 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 969,312.88 | 5.00 |
| E07087-E07085 | 8 | 239 | 0.004 | 21.9 | 56,020.93 | 1.36 | 471 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 597,019.97 | 3.08 |
| F06075-F06073 | 8 | 182 | 0.008 | 13.8 | 31,847.75 | 1.36 | 489.97 | 488.48 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 835,113.01 | 4.31 |
| J08019-J08017 | 8 | 85 | 0.013 | 10.5 | 17,377.16 | 1.36 | 403.31 | 402.2 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,054,726.44 | 5.44 |
| K11007-K11005 | 8 | 165 | 0.034 | 29.8 | 5,842.68 | 1.36 | 369 | 363.36 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,706,417.86 | 8.80 |
| F02192-F02190 | 8 | 179 | 0.004 | 19 | 48,527.16 | 1.36 | 549.88 | 549.06 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 616,149.10 | 3.18 |
| F10055-F10053 | 8 | 109 | 0.009 | 10.2 | 19,207.22 | 1.36 | 404 | 403 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 884,045.38 | 4.56 |
| J14067-J14055 | 8 | 121 | 0.008 | 15.9 | 25,393.37 | 1.36 | 334 | 333 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 839,064.07 | 4.33 |
| D05085-D05081 | 8 | 246 | 0.025 | 8.1 | 8,373.34 | 1.36 | 594.1 | 588 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,453,400.05 | 7.50 |
| D14093-D14091 | 8 | 78 | 0.013 | 9.2 | 18,224.65 | 1.36 | 455 | 454 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,045,058.27 | 5.39 |
| E06049-E06047 | 8 | 244 | 0.016 | 8.4 | 11,418.24 | 1.36 | 510 | 506 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,181,742.60 | 6.09 |
| D14061-D14059 | 8 | 115 | 0.104 | 2 | 1,590.25 | 1.36 | 527 | 515 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,981,463.59 | 15.38 |
| L13155-L13153 | 8 | 139 | 0.007 | 100 | 28,929.65 | 1.36 | 326 | 325 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 782,853.34 | 4.04 |
| F13105-F13103 | 8 | 244 | 0.012 | 11.5 | 20,107.00 | 1.36 | 415 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,023,419.11 | 5.28 |
| D13099-D13097 | 8 | 224 | 0.022 | 6.3 | 9,519.95 | 1.36 | 457 | 452 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,378,950.89 | 7.11 |
| F10031-F10029 | 24 | 277 | 0.001 | 33.1 | 1,225,740.40 | 1.36 | 416 | 415.75 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 5,190,883.39 | 2.59 |
| G04099-G04091 | 8 | 315 | 0.006 | 25 | 43,670.64 | 1.36 | 500 | 498 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 735,440.48 | 3.79 |
| J14005-K14071 | 8 | 234 | 0.009 | 12.8 | 24,006.12 | 1.36 | 331 | 329 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 853,286.50 | 4.40 |
| E03055-E03051 | 8 | 248 | 0.008 | 14 | 32,906.45 | 1.36 | 571 | 569 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 828,851.95 | 4.27 |
| C05019-D05087 | 8 | 249 | 0.033 | 4.5 | 5,834.77 | 1.36 | 610.5 | 602.3 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,674,923.82 | 8.64 |
| D14035-D14033 | 8 | 226 | 0.044 | 3.9 | 3,971.19 | 1.36 | 470 | 460 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,941,482.98 | 10.01 |
| J11001-J12017 | 8 | 356 | 0.008 | 14.3 | 32,458.57 | 1.36 | 367 | 364 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 847,273.13 | 4.37 |
| F14025-F14023 | 8 | 73 | 0.01 | 10.7 | 17,388.68 | 1.36 | 428 | 427.25 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 935,528.47 | 4.82 |
| D16009-D16007 | 15 | 277 | 0.004 | 15.9 | 163,108.95 | 1.36 | 488 | 487 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,964,499.05 | 3.82 |
| D14091-D14089 | 8 | 78 | 0.013 | 9.3 | 18,611.66 | 1.36 | 454 | 453 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,045,058.27 | 5.39 |
| D18045-D18009 | 12 | 112 | 0.054 | 4.1 | 10,080.21 | 1.36 | 525.9 | 519.26 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 6,322,604.00 | 12.23 |
| F02171-F02169 | 8 | 142 | 0.006 | 14.5 | 33,312.09 | 1.36 | 548.05 | 547.13 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 732,664.74 | 3.78 |
| H06021-H06007 | 8 | 228 | 0.014 | 25.3 | 14,739.77 | 1.36 | 442.2 | 439 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,093,441.05 | 5.64 |
| F19022-F19020 | 8 | 174 | 0.053 | 3.3 | 3,270.00 | 1.36 | 578.04 | 568.64 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,133,022.32 | 11.00 |
| H05047-H05045 | 8 | 269 | 0.007 | 23.8 | 80,775.14 | 1.37 | 466 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 795,841.65 | 4.10 |
| D07119-D07117 | 8 | 278 | 0.004 | 24.6 | 73,487.34 | 1.37 | 478 | 477 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 553,560.90 | 2.85 |
| G09065-G09057 | 8 | 382 | 0.01 | 11.1 | 18,732.77 | 1.37 | 424 | 420 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 944,465.55 | 4.87 |
| D05039-D06057 | 10 | 340 | 0.015 | 14.6 | 14,374.65 | 1.37 | 555 | 550 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,029,364.47 | 6.28 |
| D09095-D09093 | 8 | 240 | 0.004 | 19.1 | 45,485.33 | 1.37 | 439 | 438 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 595,774.88 | 3.07 |
| C03045-C03043 | 8 | 292 | 0.014 | 8.7 | 16,731.57 | 1.37 | 644 | 640 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,080,255.23 | 5.57 |
| F08017-F08015 | 8 | 51 | 0.004 | 21.4 | 58,319.26 | 1.37 | 436.2 | 436 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 577,986.53 | 2.98 |
| D14089-D14087 | 8 | 78 | 0.013 | 10.6 | 18,998.72 | 1.37 | 453 | 452 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,045,058.27 | 5.39 |
| J14069-J14067 | 8 | 121 | 0.008 | 12 | 25,629.37 | 1.37 | 335 | 334 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 839,064.07 | 4.33 |
| G14029-G14027 | 10 | 293 | 0.014 | 7.2 | 20,041.04 | 1.37 | 429 | 425 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,955,287.82 | 6.05 |
| F09023-F09021 | 15 | 117 | 0.009 | 7.2 | 39,041.49 | 1.37 | 428 | 427 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,561,401.16 | 5.88 |
| F03007-F03005 | 8 | 24 | 0.042 | 4.5 | 4,290.89 | 1.37 | 516 | 515 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,884,005.59 | 9.72 |
| G13097-G13095 | 10 | 371 | 0.003 | 24.6 | 115,199.90 | 1.37 | 390 | 389 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 868,815.49 | 2.69 |
| F07053-F07039 | 8 | 31 | 0.016 | 10.3 | 17,390.95 | 1.37 | 462.5 | 462 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,172,173.67 | 6.05 |
| F19051-F19048 | 8 | 0 | 0.069 | 2.8 | 2,385.38 | 1.37 | 605.75 | 573.9 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,418,151.66 | 12.47 |
| D02085-D02081 | 8 | 125 | 0.008 | 14.2 | 36,062.48 | 1.37 | 605 | 604 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 825,529.89 | 4.26 |
| D02027-D02025 | 8 | 302 | 0.01 | 12.2 | 29,171.91 | 1.37 | 610 | 607 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 919,909.20 | 4.74 |
| D02093-D02091 | 8 | 200 | 0.01 | 13 | 27,677.03 | 1.37 | 610 | 608 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 922,970.47 | 4.76 |
| E12145-E12143 | 8 | 404 | 0.007 | 16.5 | 41,002.28 | 1.37 | 410 | 407 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 795,349.02 | 4.10 |
| F06155-F06147 | 10 | 375 | 0.011 | 10.7 | 25,921.69 | 1.37 | 494 | 490 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,728,338.76 | 5.35 |
| F08023-F08021 | 8 | 258 | 0.016 | 12.7 | 10,046.95 | 1.37 | 442 | 438 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,149,232.63 | 5.93 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| E13079-E13077 | 8 | 316 | 0.006 | 20.8 | 52,645.09 | 1.37 | 429 | 427 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 734,275.88 | 3.79 |
| D14049-D14047 | 8 | 234 | 0.023 | 8.6 | 9,900.29 | 1.38 | 454.36 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,396,890.21 | 7.20 |
| F08129-F08123 | 12 | 240 | 0.004 | 17.1 | 93,401.30 | 1.38 | 456 | 455 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,756,543.37 | 3.40 |
| G03037-G03033 | 8 | 284 | 0.007 | 17.8 | 33,712.36 | 1.38 | 509 | 507 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 774,539.61 | 3.99 |
| E12147-E12145 | 8 | 387 | 0.008 | 15.1 | 37,906.91 | 1.38 | 413 | 410 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 812,630.19 | 4.19 |
| H10025-H10023 | 8 | 239 | 0.002 | 38.8 | 134,468.02 | 1.38 | 396.5 | 396 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 422,156.87 | 2.18 |
| H08009-H08007 | 12 | 585 | 0.009 | 11.3 | 49,849.67 | 1.38 | 433 | 428 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,515,773.67 | 4.87 |
| D14081-D14079 | 8 | 311 | 0.048 | 3.7 | 3,578.07 | 1.38 | 480 | 465 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,026,997.64 | 10.45 |
| G04101-G04099 | 8 | 300 | 0.007 | 16.3 | 41,893.27 | 1.38 | 502 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 753,602.23 | 3.89 |
| F08015-F08013 | 8 | 249 | 0.004 | 21.4 | 58,842.53 | 1.38 | 436 | 435 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 584,908.77 | 3.02 |
| J11079-J11077 | 8 | 210 | 0.005 | 25.7 | 80,435.89 | 1.38 | 366 | 365 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 636,910.14 | 3.28 |
| F08121-F08119 | 8 | 316 | 0.013 | 11.1 | 19,757.08 | 1.38 | 460 | 456 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,038,422.91 | 5.36 |
| E18037-E18035 | 8 | 118 | 0.042 | 3.9 | 5,131.27 | 1.38 | 532 | 527 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,899,904.65 | 9.80 |
| E01009-E01007 | 8 | 723 | 0.004 | 26.4 | 73,720.34 | 1.38 | 579.05 | 576.34 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 565,071.37 | 2.91 |
| E18021-E18019 | 8 | 196 | 0.033 | 8.7 | 7,108.73 | 1.38 | 528 | 521.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,680,801.59 | 8.67 |
| J08119-J08117 | 10 | 306 | 0.01 | 10.9 | 42,256.91 | 1.38 | 405.38 | 402.2 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,705,954.15 | 5.28 |
| E04049-E04047 | 8 | 259 | 0.008 | 23.7 | 34,937.91 | 1.38 | 542 | 540 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 811,059.89 | 4.18 |
| D14033-D14029 | 8 | 300 | 0.033 | 6.5 | 6,348.98 | 1.38 | 460 | 450 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,685,105.82 | 8.69 |
| F18043-F18041 | 8 | 203 | 0.039 | 5.5 | 5,151.94 | 1.38 | 555 | 547 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,832,250.22 | 9.45 |
| F10057-F10055 | 8 | 326 | 0.009 | 10.2 | 19,228.38 | 1.38 | 407 | 404 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 885,400.24 | 4.57 |
| E10075-E10073 | 8 | 197 | 0.005 | 21.2 | 36,962.23 | 1.38 | 429 | 428 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 657,589.23 | 3.39 |
| K12001-J12019 | 30 | 321 | 0.003 | 13.1 | 482,241.26 | 1.38 | 361 | 360 | Vitrified Clay Pipe-Circular-30 inch | 4.9 | 17,485,793.22 | 5.52 |
| J07133-J07131 | 8 | 42 | 0.032 | 4.7 | 7,040.12 | 1.38 | 420.09 | 418.74 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,654,741.07 | 8.53 |
| C03049-C03047 | 8 | 142 | 0.014 | 8.7 | 15,665.66 | 1.39 | 649 | 647 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,095,364.43 | 5.65 |
| J14089-J14087 | 8 | 271 | 0.004 | 28.1 | 76,731.71 | 1.39 | 335 | 334 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 560,664.63 | 2.89 |
| H06005-H06003 | 12 | 343 | 0.004 | 23.6 | 196,658.84 | 1.39 | 438.48 | 437.16 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,688,124.23 | 3.26 |
| D13061-D13059 | 10 | 260 | 0.008 | 12.4 | 47,732.11 | 1.39 | 426 | 424 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,467,718.72 | 4.54 |
| F17005-F17003 | 12 | 246 | 0.004 | 21 | 163,078.07 | 1.39 | 508 | 507 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,734,989.87 | 3.36 |
| F15075-F15073 | 8 | 182 | 0.016 | 8 | 15,029.34 | 1.39 | 467 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,184,984.69 | 6.11 |
| G09061-G09059 | 8 | 386 | 0.01 | 11.6 | 19,802.35 | 1.39 | 425 | 421 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 939,559.20 | 4.85 |
| E12141-E12139 | 8 | 397 | 0.008 | 17.3 | 45,983.24 | 1.39 | 405 | 402 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 802,330.28 | 4.14 |
| K15011-K15005 | 8 | 175 | 0.007 | 33.9 | 32,389.65 | 1.39 | 327 | 325.75 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 780,052.42 | 4.02 |
| H11115-H11113 | 8 | 258 | 0.004 | 24.2 | 73,821.49 | 1.39 | 370 | 369 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 574,616.32 | 2.96 |
| D06039-D06037 | 8 | 347 | 0.02 | 7.7 | 9,885.16 | 1.39 | 567 | 560 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,310,907.63 | 6.76 |
| D06097-D06095 | 8 | 329 | 0.009 | 15.6 | 25,167.60 | 1.39 | 532 | 529 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 881,354.21 | 4.55 |
| J14099-J14097 | 8 | 252 | 0.004 | 23 | 64,004.54 | 1.39 | 340 | 339 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 581,416.75 | 3.00 |
| E02047-E02045 | 8 | 219 | 0.013 | 9 | 15,918.25 | 1.39 | 586.57 | 583.71 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,054,748.14 | 5.44 |
| F17015-F17013 | 12 | 270 | 0.004 | 21.2 | 163,477.17 | 1.39 | 515.23 | 514.23 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,656,084.97 | 3.20 |
| E18023-E18021 | 8 | 195 | 0.036 | 4.5 | 6,321.47 | 1.39 | 535 | 528 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,748,716.96 | 9.02 |
| G02013-G02011 | 8 | 230 | 0.006 | 18.2 | 47,207.46 | 1.39 | 516.58 | 515.13 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 732,837.85 | 3.78 |
| C06021-C06019 | 8 | 294 | 0.014 | 11.3 | 15,671.15 | 1.39 | 554 | 550 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,076,574.62 | 5.55 |
| D14079-D14077 | 8 | 228 | 0.035 | 4.7 | 5,953.66 | 1.39 | 465 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,728,882.10 | 8.92 |
| C04075-C04071 | 8 | 199 | 0.05 | 4 | 3,643.56 | 1.4 | 632 | 622 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,069,003.71 | 10.67 |
| F09033-F09031 | 8 | 157 | 0.006 | 15.9 | 38,149.37 | 1.4 | 432 | 431 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 736,610.63 | 3.80 |
| F06055-F07101 | 8 | 268 | 0.004 | 31.6 | 108,797.37 | 1.4 | 479 | 478 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 563,793.95 | 2.91 |
| F02163-F02161 | 8 | 304 | 0.004 | 30.6 | 82,727.58 | 1.4 | 543.37 | 542.29 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 549,224.33 | 2.83 |
| D06129-D06127 | 8 | 212 | 0.014 | 8.5 | 14,791.86 | 1.4 | 535 | 532 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,097,944.79 | 5.66 |
| F09085-F09081 | 8 | 329 | 0.003 | 29.8 | 98,152.53 | 1.4 | 425 | 424 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 508,850.09 | 2.62 |
| F18001-F17025 | 12 | 251 | 0.004 | 19 | 135,268.10 | 1.4 | 528 | 527 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,717,622.17 | 3.32 |
| E02017-E02015 | 8 | 262 | 0.004 | 35.4 | 93,308.74 | 1.4 | 572.13 | 571.14 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 567,354.83 | 2.93 |
| G08131-G08129 | 8 | 392 | 0.01 | 13.3 | 29,375.13 | 1.4 | 443 | 439 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 932,340.97 | 4.81 |
| J08117-J08083 | 10 | 298 | 0.011 | 12.9 | 42,231.39 | 1.4 | 402.2 | 398.87 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,769,002.69 | 5.47 |
| H13071-H13069 | 12 | 42 | 0.014 | 5.5 | 14,715.96 | 1.4 | 375.32 | 374.75 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,170,131.52 | 6.13 |
| D09055-D09037 | 8 | 253 | 0.006 | 27.1 | 32,784.55 | 1.4 | 448 | 446.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 710,678.50 | 3.67 |
| G02031-G02029 | 8 | 48 | 0.008 | 20.2 | 46,441.27 | 1.4 | 510.38 | 509.99 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 831,954.34 | 4.29 |
| D06133-D06131 | 8 | 386 | 0.013 | 11.8 | 16,559.51 | 1.4 | 539 | 534 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,050,459.12 | 5.42 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| C04069-C04065 | 8 | 281 | 0.068 | 4.1 | 2,909.78 | 1.4 | 685 | 666 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,400,001.14 | 12.38 |
| J08121-J08119 | 10 | 191 | 0.011 | 10.8 | 42,270.74 | 1.4 | 407.4 | 405.38 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,720,970.83 | 5.33 |
| E06055-E06053 | 8 | 262 | 0.004 | 24.7 | 73,677.62 | 1.4 | 506 | 505 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 570,213.06 | 2.94 |
| E01013-E01011 | 8 | 343 | 0.009 | 13.5 | 34,103.64 | 1.4 | 584.02 | 581 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 866,052.50 | 4.47 |
| D16007-D16005 | 15 | 242 | 0.004 | 15.4 | 163,304.63 | 1.4 | 487 | 486 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,171,637.30 | 4.09 |
| F08087-F08085 | 8 | 301 | 0.007 | 18.2 | 53,665.16 | 1.41 | 450 | 448 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 752,349.36 | 3.88 |
| K15025-K15023 | 8 | 373 | 0.005 | 17.4 | 44,066.51 | 1.41 | 319 | 317 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 675,847.00 | 3.49 |
| G14035-G14031 | 10 | 190 | 0.016 | 6.7 | 18,302.66 | 1.41 | 435 | 432 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,102,801.78 | 6.51 |
| H11043-H11041 | 8 | 368 | 0.024 | 100 | 7,032.40 | 1.41 | 380 | 371.02 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,441,790.19 | 7.44 |
| D17069-D17067 | 12 | 29 | 0.009 | 13.7 | 79,877.70 | 1.41 | 511.75 | 511.5 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,526,594.25 | 4.89 |
| E05025-E05013 | 10 | 262 | 0.008 | 12 | 36,695.44 | 1.41 | 514 | 512 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,462,106.00 | 4.52 |
| F02184-F02182 | 8 | 65 | 0.006 | 17.6 | 47,494.57 | 1.41 | 545.41 | 544.99 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 704,930.34 | 3.64 |
| D05077-D05075 | 10 | 333 | 0.021 | 5.7 | 15,158.45 | 1.41 | 579 | 572 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,426,282.76 | 7.51 |
| G03031-G03029 | 8 | 248 | 0.004 | 27.5 | 92,028.24 | 1.41 | 505 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 586,086.84 | 3.02 |
| D10115-D10113 | 8 | 101 | 0.005 | 17.2 | 41,992.19 | 1.41 | 436.22 | 435.72 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 649,399.76 | 3.35 |
| J12065-J12059 | 10 | 204 | 0.005 | 19.5 | 97,673.88 | 1.41 | 362 | 361 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,171,654.12 | 3.63 |
| D02021-D02019 | 8 | 137 | 0.007 | 72.2 | 45,699.21 | 1.41 | 601 | 600 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 788,546.89 | 4.07 |
| G02007-G02005 | 8 | 120 | 0.006 | 17.7 | 47,617.80 | 1.41 | 522.69 | 521.96 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 719,877.52 | 3.71 |
| D17073-D17071 | 12 | 29 | 0.009 | 13.1 | 79,896.80 | 1.41 | 512.25 | 512 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,526,594.25 | 4.89 |
| E15103-E15101 | 8 | 236 | 0.017 | 8.6 | 15,624.75 | 1.41 | 470 | 466 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,201,605.21 | 6.20 |
| E03063-E03055 | 8 | 232 | 0.013 | 11.7 | 21,370.61 | 1.41 | 574 | 571 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,049,553.16 | 5.41 |
| G09127-G09125 | 8 | 360 | 0.011 | 13.1 | 28,105.70 | 1.41 | 417 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 972,896.30 | 5.02 |
| D08047-D08045 | 12 | 315 | 0.01 | 9.7 | 52,393.79 | 1.41 | 470 | 467 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,655,643.96 | 5.14 |
| D10053-D10047 | 8 | 132 | 0.03 | 6.5 | 5,296.33 | 1.41 | 470 | 466 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,606,685.36 | 8.29 |
| D15067-D15065 | 8 | 328 | 0.027 | 6.6 | 8,630.64 | 1.41 | 489 | 480 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,528,875.57 | 7.89 |
| H12001-J12043 | 21 | 451 | 0.002 | 31.9 | 778,118.28 | 1.41 | 360.7 | 360 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 4,767,895.30 | 3.07 |
| E05149-E05147 | 8 | 323 | 0.012 | 83.2 | 19,221.22 | 1.42 | 516 | 512 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,027,109.02 | 5.30 |
| F18009-F18005 | 12 | 242 | 0.004 | 19 | 126,850.05 | 1.42 | 531 | 530 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,749,269.87 | 3.38 |
| F05129-F05127 | 8 | 191 | 0.016 | 8.9 | 16,253.33 | 1.42 | 499 | 496 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,156,729.34 | 5.97 |
| D11009-D11007 | 8 | 189 | 0.005 | 21.3 | 39,262.74 | 1.42 | 447 | 446 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 671,362.23 | 3.46 |
| K15041-K15039 | 12 | 403 | 0.005 | 13.2 | 61,161.26 | 1.42 | 321 | 319 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,917,021.45 | 3.71 |
| D08061-D08059 | 8 | 313 | 0.01 | 13.9 | 37,697.31 | 1.42 | 493 | 490 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 903,600.09 | 4.66 |
| F06057-F06055 | 8 | 255 | 0.004 | 29.3 | 105,108.21 | 1.42 | 480 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 577,986.53 | 2.98 |
| D06087-D06085 | 8 | 339 | 0.012 | 11.6 | 20,058.20 | 1.42 | 538 | 534 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,002,577.50 | 5.17 |
| F17003-F17001 | 12 | 247 | 0.004 | 21.3 | 172,580.18 | 1.42 | 507 | 506 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,731,474.19 | 3.35 |
| F08131-F08129 | 8 | 328 | 0.006 | 21.2 | 55,740.35 | 1.42 | 458 | 456 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 720,718.85 | 3.72 |
| H13065-H13059 | 12 | 251 | 0.012 | 6.1 | 18,892.13 | 1.42 | 372 | 369 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,975,008.87 | 5.75 |
| H12045-H12043 | 8 | 179 | 0.006 | 19.9 | 46,790.34 | 1.42 | 367 | 366 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 689,860.52 | 3.56 |
| F05079-F05077 | 8 | 306 | 0.007 | 73.3 | 42,538.12 | 1.42 | 509 | 507 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 746,177.40 | 3.85 |
| H05007-H05005 | 12 | 250 | 0.006 | 19 | 154,210.64 | 1.42 | 447.83 | 446.24 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,170,166.50 | 4.20 |
| F08123-F08117 | 12 | 275 | 0.004 | 19.2 | 121,861.61 | 1.42 | 455 | 454 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,640,960.59 | 3.17 |
| D02057-D02055 | 8 | 315 | 0.006 | 18.3 | 53,424.69 | 1.42 | 608 | 606 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 735,440.48 | 3.79 |
| D15005-D15003 | 8 | 279 | 0.007 | 15.9 | 42,653.08 | 1.42 | 477 | 475 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 781,449.11 | 4.03 |
| F14063-F14053 | 10 | 263 | 0.008 | 25 | 55,519.25 | 1.42 | 429 | 427 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,459,323.69 | 4.52 |
| F14079-F14077 | 8 | 256 | 0.012 | 11.5 | 27,770.21 | 1.42 | 450 | 447 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 999,144.84 | 5.15 |
| F06059-F06057 | 8 | 252 | 0.004 | 28.7 | 103,226.87 | 1.43 | 481 | 480 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 581,416.75 | 3.00 |
| E01007-E01005 | 8 | 251 | 0.003 | 28.3 | 94,804.63 | 1.43 | 576.34 | 575.48 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 540,256.71 | 2.79 |
| J14091-J14089 | 8 | 259 | 0.004 | 24.9 | 77,057.19 | 1.43 | 336 | 335 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 573,505.95 | 2.96 |
| F02077-F02070 | 8 | 104 | 0.013 | 11 | 18,577.32 | 1.43 | 536.65 | 535.09 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,047,990.68 | 5.40 |
| D14059-D14057 | 8 | 156 | 0.077 | 2.8 | 2,383.84 | 1.43 | 515 | 503 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,559,859.51 | 13.20 |
| C03043-C03041 | 8 | 379 | 0.016 | 8.5 | 17,068.04 | 1.43 | 640 | 634 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,161,298.40 | 5.99 |
| H05005-H05003 | 12 | 249 | 0.005 | 20 | 168,662.76 | 1.43 | 446.24 | 445 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,920,329.12 | 3.71 |
| E03247-E03245 | 10 | 263 | 0.002 | 40.9 | 255,311.43 | 1.43 | 561.18 | 560.68 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 729,661.84 | 2.26 |
| J07117-J07115 | 10 | 300 | 0.009 | 13 | 42,125.56 | 1.43 | 413.56 | 410.97 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,554,904.65 | 4.81 |
| C03019-C04063 | 8 | 306 | 0.016 | 8.5 | 16,714.27 | 1.43 | 656 | 651 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,179,810.06 | 6.08 |
| J14097-J14095 | 8 | 253 | 0.004 | 24.1 | 71,209.45 | 1.43 | 339 | 338 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 580,266.56 | 2.99 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| F12013-F12011 | 12 | 211 | 0.005 | 14.7 | 87,156.65 | 1.43 | 393 | 392 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,873,368.75 | 3.62 |
| F02182-F02167 | 8 | 45 | 0.006 | 20.4 | 48,348.08 | 1.43 | 544.99 | 544.63 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 720,963.12 | 3.72 |
| C04051-C04049 | 8 | 286 | 0.016 | 9.1 | 15,581.17 | 1.43 | 831.57 | 827.12 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,151,290.17 | 5.94 |
| F03021-G03067 | 8 | 251 | 0.008 | 14.8 | 38,841.24 | 1.43 | 513 | 511 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 823,883.76 | 4.25 |
| D08057-D08055 | 8 | 278 | 0.011 | 13.6 | 38,067.48 | 1.44 | 486 | 483 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 958,795.61 | 4.94 |
| F13043-F13041 | 12 | 77 | 0.007 | 10.9 | 55,997.62 | 1.44 | 406 | 405.48 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,236,252.34 | 4.32 |
| C02019-C02015 | 8 | 259 | 0.008 | 15.4 | 39,677.56 | 1.44 | 636 | 634 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 811,059.89 | 4.18 |
| D16001-E16007 | 15 | 274 | 0.004 | 17.5 | 199,234.98 | 1.44 | 480 | 479 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,980,683.87 | 3.84 |
| D13001-D12011 | 8 | 150 | 0.007 | 19.6 | 52,371.11 | 1.44 | 422 | 421 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 753,602.23 | 3.89 |
| C06033-C06029 | 8 | 279 | 0.029 | 6.1 | 7,189.06 | 1.44 | 575 | 567 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,562,898.23 | 8.06 |
| K14103-K14101 | 10 | 395 | 0.002 | 40.8 | 239,048.39 | 1.44 | 311.16 | 310.5 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 684,050.13 | 2.12 |
| E14007-E14005 | 15 | 330 | 0.003 | 20.2 | 242,137.72 | 1.44 | 446 | 445 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,716,027.92 | 3.50 |
| F02190-F02189 | 8 | 93 | 0.005 | 18.7 | 48,326.77 | 1.44 | 549.06 | 548.53 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 682,244.24 | 3.52 |
| J14093-J14091 | 8 | 259 | 0.004 | 24.9 | 77,958.32 | 1.44 | 337 | 336 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 573,505.95 | 2.96 |
| E01005-E01003 | 8 | 296 | 0.004 | 27.7 | 94,371.45 | 1.44 | 575.48 | 574.39 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 560,086.62 | 2.89 |
| H06013-H06009 | 12 | 318 | 0.005 | 23.2 | 176,634.18 | 1.44 | 441 | 439.41 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,924,196.85 | 3.72 |
| F17021-F17019 | 12 | 212 | 0.005 | 20.5 | 134,985.63 | 1.44 | 524 | 523 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,868,945.20 | 3.61 |
| D17079-D17077 | 8 | 101 | 0.01 | 14.5 | 33,442.13 | 1.44 | 500 | 499 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 918,389.95 | 4.74 |
| E12083-E12007 | 10 | 394 | 0.01 | 33.1 | 42,395.57 | 1.44 | 410 | 406 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,686,150.72 | 5.22 |
| C02015-C02013 | 8 | 267 | 0.007 | 19.2 | 43,248.43 | 1.44 | 634 | 632 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 798,816.77 | 4.12 |
| F04169-F04167 | 8 | 228 | 0.009 | 15 | 32,957.65 | 1.45 | 529 | 527 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 864,441.05 | 4.46 |
| E05023-E05021 | 8 | 32 | 0.031 | 6.3 | 6,284.85 | 1.45 | 520 | 519 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,631,596.70 | 8.41 |
| F04007-F04005 | 8 | 255 | 0.012 | 10.6 | 23,692.52 | 1.45 | 515 | 512 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,001,102.04 | 5.16 |
| F12009-F12007 | 12 | 197 | 0.005 | 14.5 | 87,498.00 | 1.45 | 391 | 390 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,938,792.74 | 3.75 |
| F16037-F16023 | 8 | 168 | 0.006 | 25.8 | 72,065.28 | 1.45 | 490 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 712,087.18 | 3.67 |
| G03029-G03027 | 8 | 250 | 0.004 | 28.9 | 101,464.09 | 1.45 | 504 | 503 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 583,737.78 | 3.01 |
| G11003-G11001 | 8 | 300 | 0.022 | 100 | 8,588.17 | 1.45 | 380 | 373.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,358,575.75 | 7.01 |
| F19048-F19047 | 8 | 0 | 0.061 | 7 | 3,965.62 | 1.45 | 573.9 | 570.85 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,279,568.91 | 11.76 |
| G08123-G08121 | 12 | 63 | 0.01 | 9.4 | 42,514.96 | 1.45 | 438 | 437.38 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,699,541.87 | 5.22 |
| D05003-D05001 | 8 | 345 | 0.006 | 19.8 | 49,884.78 | 1.45 | 563 | 561 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 702,737.71 | 3.62 |
| F10037-F10031 | 24 | 89 | 0.001 | 32 | 1,196,723.51 | 1.45 | 416.1 | 416 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 5,791,834.58 | 2.89 |
| D08053-D08051 | 12 | 198 | 0.01 | 9.7 | 50,590.40 | 1.45 | 478 | 476 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,734,934.32 | 5.29 |
| E10071-E10069 | 8 | 66 | 0.003 | 29.2 | 83,336.52 | 1.45 | 427.6 | 427.4 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 508,078.52 | 2.62 |
| F08085-F08083 | 8 | 282 | 0.007 | 48.4 | 56,356.99 | 1.45 | 448 | 446 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 777,281.36 | 4.01 |
| F09029-F09027 | 8 | 133 | 0.008 | 16.5 | 38,075.25 | 1.45 | 430 | 429 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 800,316.90 | 4.13 |
| F16003-F15109 | 8 | 220 | 0.027 | 8.3 | 9,884.33 | 1.45 | 483 | 477 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,524,235.57 | 7.86 |
| J14095-J14093 | 8 | 253 | 0.004 | 24.7 | 76,183.23 | 1.45 | 338 | 337 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 580,266.56 | 2.99 |
| D09085-D09075 | 8 | 284 | 0.014 | 15 | 14,269.86 | 1.45 | 455 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,095,364.43 | 5.65 |
| J14033-J14031 | 8 | 249 | 0.004 | 24.1 | 74,155.69 | 1.45 | 348 | 347 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 584,908.77 | 3.02 |
| F05009-F05007 | 8 | 286 | 0.01 | 13.2 | 27,792.23 | 1.45 | 503 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 945,290.77 | 4.88 |
| E15083-E15081 | 8 | 232 | 0.009 | 15.3 | 43,296.77 | 1.45 | 469 | 467 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 856,956.57 | 4.42 |
| D13063-D13061 | 10 | 313 | 0.01 | 11.7 | 41,710.07 | 1.45 | 429 | 426 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,638,335.97 | 5.07 |
| G08015-G08013 | 8 | 291 | 0.007 | 15.8 | 39,829.58 | 1.46 | 439 | 437 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 765,167.14 | 3.95 |
| D10109-D10107 | 8 | 334 | 0.009 | 12.1 | 22,849.07 | 1.46 | 445 | 442 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 874,732.38 | 4.51 |
| E05003-E05001 | 8 | 262 | 0.011 | 17.4 | 22,953.71 | 1.46 | 527 | 524 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 987,637.99 | 5.09 |
| E15081-E15073 | 8 | 228 | 0.009 | 16.9 | 44,043.60 | 1.46 | 467 | 465 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 864,441.05 | 4.46 |
| J06097-J06089 | 8 | 302 | 0.008 | 13.5 | 30,797.17 | 1.46 | 432.81 | 430.33 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 836,392.59 | 4.31 |
| E12153-E12151 | 8 | 402 | 0.01 | 12.1 | 28,800.79 | 1.46 | 426 | 422 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 920,671.66 | 4.75 |
| F06079-F06077 | 8 | 200 | 0.013 | 15.5 | 23,180.18 | 1.46 | 492.69 | 490.13 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,044,221.89 | 5.39 |
| J12011-J12009 | 21 | 302 | 0.001 | 28.9 | 791,786.49 | 1.46 | 358.68 | 358.29 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 4,349,053.93 | 2.80 |
| D04043-E04011 | 8 | 294 | 0.014 | 11 | 20,643.38 | 1.46 | 558 | 554 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,076,574.62 | 5.55 |
| D11073-E11123 | 8 | 260 | 0.019 | 7.6 | 14,763.45 | 1.46 | 435 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,279,929.75 | 6.60 |
| D05011-D05009 | 8 | 343 | 0.026 | 6.2 | 8,524.97 | 1.46 | 586 | 577 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,495,071.63 | 7.71 |
| H08019-H08017 | 8 | 26 | 0.038 | 11 | 6,438.50 | 1.46 | 429 | 428 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,810,094.02 | 9.34 |
| D13043-D13041 | 12 | 275 | 0.004 | 19.9 | 142,743.78 | 1.46 | 441 | 440 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,640,960.59 | 3.17 |
| E06063-E06061 | 8 | 264 | 0.008 | 17.7 | 36,583.44 | 1.46 | 509 | 507 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 803,342.68 | 4.14 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| E01003-E01001 | 8 | 263 | 0.004 | 27.1 | 93,885.24 | 1.46 | 574.39 | 573.34 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 583,182.63 | 3.01 |
| D05129-D05127 | 8 | 294 | 0.024 | 6.8 | 11,543.70 | 1.46 | 573 | 566 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,424,174.36 | 7.35 |
| L14009-L13145 | 8 | 208 | 0.014 | 11.2 | 16,638.89 | 1.46 | 325 | 322 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,108,451.68 | 5.72 |
| D05075-D05073 | 10 | 312 | 0.022 | 6.1 | 16,323.08 | 1.46 | 572 | 565 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,506,606.90 | 7.76 |
| D04089-D04087 | 8 | 207 | 0.029 | 6.2 | 8,198.56 | 1.47 | 606 | 600 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,571,369.28 | 8.10 |
| E11121-E11119 | 10 | 197 | 0.015 | 45.2 | 22,272.36 | 1.47 | 421 | 418 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,065,104.45 | 6.39 |
| C08001-D08065 | 8 | 79 | 0.013 | 12.3 | 33,301.75 | 1.47 | 502 | 501 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,038,422.91 | 5.36 |
| E14009-E14007 | 15 | 324 | 0.003 | 20.1 | 241,221.04 | 1.47 | 447 | 446 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,741,060.96 | 3.53 |
| E15099-E15097 | 8 | 246 | 0.016 | 9.5 | 19,543.31 | 1.47 | 463 | 459 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,176,928.96 | 6.07 |
| C10013-C09001 | 8 | 281 | 0.011 | 13.9 | 19,095.19 | 1.47 | 457 | 454 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 953,663.75 | 4.92 |
| G05105-G05103 | 8 | 258 | 0.008 | 15.8 | 43,751.49 | 1.47 | 495 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 812,630.19 | 4.19 |
| E04009-E05051 | 8 | 333 | 0.009 | 20.4 | 35,999.72 | 1.47 | 549 | 546 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 876,044.80 | 4.52 |
| D05109-D05107 | 8 | 144 | 0.014 | 9 | 17,756.90 | 1.47 | 548 | 546 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,087,731.13 | 5.61 |
| D05087-D05085 | 8 | 252 | 0.033 | 5.1 | 7,287.84 | 1.47 | 602.3 | 594.1 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,664,924.19 | 8.59 |
| D19009-D19003 | 8 | 219 | 0.044 | 5.9 | 8,595.87 | 1.47 | 556.26 | 546.23 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,931,614.84 | 9.96 |
| C07097-C07095 | 8 | 118 | 0.017 | 9.1 | 15,862.13 | 1.47 | 529 | 527 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,201,605.21 | 6.20 |
| D05029-D05027 | 8 | 15 | 0.067 | 2.9 | 2,875.62 | 1.47 | 592 | 591 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,383,099.51 | 12.29 |
| D04045-D04043 | 8 | 290 | 0.017 | 8.8 | 15,465.94 | 1.47 | 563 | 558 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,211,919.60 | 6.25 |
| E01011-E01009 | 8 | 187 | 0.01 | 18.7 | 33,912.98 | 1.47 | 581 | 579.05 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 942,506.40 | 4.86 |
| G03027-G03025 | 8 | 256 | 0.004 | 32.7 | 110,466.26 | 1.47 | 503 | 502 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| F06147-F06145 | 10 | 276 | 0.007 | 12.8 | 50,308.17 | 1.47 | 490 | 488 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,424,541.04 | 4.41 |
| E01001-E02017 | 8 | 288 | 0.004 | 27.1 | 93,477.35 | 1.47 | 573.34 | 572.13 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 598,252.12 | 3.09 |
| C02025-C02023 | 8 | 270 | 0.015 | 10.3 | 20,600.17 | 1.47 | 644 | 640 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,123,403.88 | 5.79 |
| D07125-D07123 | 8 | 246 | 0.012 | 13.5 | 22,032.01 | 1.47 | 485 | 482 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,019,250.38 | 5.26 |
| C06013-C06011 | 8 | 259 | 0.031 | 5.6 | 7,189.06 | 1.47 | 579 | 571 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,622,119.77 | 8.37 |
| E12085-E12083 | 10 | 376 | 0.011 | 10.8 | 41,270.53 | 1.48 | 414 | 410 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,726,038.91 | 5.34 |
| E12063-E12061 | 8 | 131 | 0.008 | 16.8 | 45,480.55 | 1.48 | 412 | 411 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 806,403.05 | 4.16 |
| E12061-E12009 | 8 | 144 | 0.007 | 40.8 | 51,387.39 | 1.48 | 411 | 410 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 769,142.06 | 3.97 |
| D06073-D06023 | 8 | 181 | 0.006 | 27.8 | 56,146.97 | 1.48 | 533 | 532 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 686,038.55 | 3.54 |
| C06037-C06035 | 8 | 193 | 0.031 | 7.8 | 7,189.06 | 1.48 | 547 | 541 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,627,364.28 | 8.39 |
| G11021-G11011 | 8 | 325 | 0.009 | 100 | 29,406.94 | 1.48 | 378 | 375 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 886,761.35 | 4.57 |
| C02011-C02009 | 8 | 148 | 0.007 | 20 | 61,042.16 | 1.48 | 631 | 630 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 758,677.05 | 3.91 |
| D03015-D03013 | 8 | 99 | 0.01 | 13.4 | 35,529.89 | 1.48 | 597 | 596 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 927,620.23 | 4.78 |
| F07001-F08087 | 8 | 125 | 0.008 | 17.5 | 51,364.18 | 1.48 | 451 | 450 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 825,529.89 | 4.26 |
| D05079-D05077 | 10 | 308 | 0.026 | 5.4 | 14,104.36 | 1.48 | 587 | 579 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,697,019.86 | 8.35 |
| D13059-D13051 | 10 | 112 | 0.009 | 14.4 | 51,695.81 | 1.48 | 424 | 423 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,581,268.05 | 4.89 |
| G13037-G13031 | 8 | 259 | 0.004 | 25.1 | 79,367.01 | 1.48 | 392 | 391 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 573,505.95 | 2.96 |
| G05103-G05101 | 8 | 247 | 0.008 | 16.5 | 44,368.90 | 1.48 | 493 | 491 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 830,528.10 | 4.28 |
| F08021-F08019 | 8 | 191 | 0.005 | 19.9 | 51,661.14 | 1.48 | 438 | 437 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 667,838.00 | 3.44 |
| E03091-E03089 | 8 | 182 | 0.005 | 22.2 | 74,099.17 | 1.48 | 563 | 562 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 684,151.23 | 3.53 |
| F14093-F14091 | 8 | 262 | 0.011 | 12.4 | 31,918.20 | 1.48 | 449 | 446 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 987,637.99 | 5.09 |
| F17023-F17021 | 12 | 200 | 0.005 | 18.1 | 135,065.37 | 1.48 | 525 | 524 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,924,196.85 | 3.72 |
| H10041-H10039 | 8 | 352 | 0.006 | 20.5 | 48,861.07 | 1.49 | 390 | 388 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 695,715.17 | 3.59 |
| F18037-F18035 | 8 | 251 | 0.009 | 16.1 | 39,868.38 | 1.49 | 551 | 549 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 882,024.70 | 4.55 |
| D15013-D15009 | 8 | 229 | 0.026 | 10.4 | 10,532.24 | 1.49 | 485 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,493,983.12 | 7.71 |
| F15055-F14079 | 8 | 252 | 0.016 | 10.6 | 23,026.83 | 1.49 | 454 | 450 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,162,833.49 | 6.00 |
| C04063-C04061 | 8 | 296 | 0.017 | 8.8 | 18,866.96 | 1.49 | 651 | 646 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,199,573.75 | 6.19 |
| K12059-K12057 | 8 | 211 | 0.014 | 9.1 | 18,944.31 | 1.49 | 364 | 361 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,100,543.48 | 5.68 |
| D11023-D11021 | 8 | 269 | 0.004 | 24.7 | 75,505.89 | 1.49 | 466 | 465 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 562,745.03 | 2.90 |
| D15079-D15077 | 8 | 116 | 0.103 | 2.4 | 2,383.52 | 1.49 | 588 | 576 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,968,584.64 | 15.31 |
| H13059-H13051 | 12 | 262 | 0.011 | 6.5 | 24,091.39 | 1.49 | 369 | 366 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,911,886.75 | 5.63 |
| D05035-D05033 | 8 | 326 | 0.018 | 8.6 | 14,236.65 | 1.49 | 579.81 | 574 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,232,159.91 | 6.35 |
| D05127-D05125 | 8 | 91 | 0.022 | 69.1 | 14,383.18 | 1.49 | 566 | 564 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,368,302.46 | 7.06 |
| D16015-D16013 | 15 | 194 | 0.005 | 13.8 | 145,477.71 | 1.49 | 492 | 491 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,542,340.74 | 4.57 |
| D10049-D10047 | 8 | 155 | 0.019 | 7.6 | 10,547.85 | 1.49 | 469 | 466 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,284,051.92 | 6.62 |
| K10005-K10003 | 15 | 307 | 0.003 | 25.4 | 399,114.23 | 1.49 | 369 | 368 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,815,931.02 | 3.63 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| E12149-E12147 | 8 | 412 | 0.01 | 14.1 | 35,609.37 | 1.49 | 417 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 909,429.83 | 4.69 |
| E18063-E18061 | 8 | 44 | 0.03 | 6.4 | 10,264.54 | 1.49 | 543.1 | 541.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,586,474.68 | 8.18 |
| G14031-G14029 | 10 | 172 | 0.017 | 6.9 | 19,799.48 | 1.49 | 432 | 429 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,210,094.85 | 6.84 |
| E08063-E08059 | 8 | 330 | 0.006 | 28.5 | 54,022.12 | 1.5 | 467 | 465 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 718,531.54 | 3.71 |
| H09031-H09029 | 12 | 401 | 0.007 | 12.6 | 78,379.37 | 1.5 | 418 | 415 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,353,709.93 | 4.55 |
| F01019-F01017 | 8 | 224 | 0.031 | 6.7 | 7,559.43 | 1.5 | 535.9 | 528.92 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,629,264.18 | 8.40 |
| C06043-C06041 | 8 | 376 | 0.029 | 6.4 | 8,455.61 | 1.5 | 555 | 544 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,578,665.90 | 8.14 |
| D02029-D02027 | 8 | 305 | 0.013 | 11.7 | 27,787.50 | 1.5 | 614 | 610 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,056,982.71 | 5.45 |
| F09081-G09033 | 8 | 278 | 0.004 | 29.5 | 104,927.94 | 1.5 | 424 | 423 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 553,560.90 | 2.85 |
| G13059-G13057 | 8 | 352 | 0.006 | 19 | 42,378.03 | 1.5 | 404 | 402 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 695,715.17 | 3.59 |
| C04045-C04043 | 8 | 256 | 0.013 | 10.5 | 24,874.39 | 1.5 | 821.29 | 817.84 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,071,463.48 | 5.53 |
| D14053-D14051 | 8 | 319 | 0.038 | 4.7 | 7,534.27 | 1.5 | 479 | 467 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,790,123.89 | 9.23 |
| C07099-C07097 | 8 | 333 | 0.018 | 7.9 | 15,335.20 | 1.5 | 535 | 529 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,238,914.44 | 6.39 |
| D13087-D13081 | 8 | 67 | 0.015 | 11.8 | 22,417.29 | 1.5 | 442 | 441 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,127,587.90 | 5.82 |
| F08133-F08131 | 8 | 330 | 0.009 | 16.8 | 41,749.73 | 1.5 | 461 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 880,017.82 | 4.54 |
| E06065-E06063 | 8 | 266 | 0.015 | 11.7 | 18,380.97 | 1.5 | 513 | 509 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,131,819.01 | 5.84 |
| F11053-F11043 | 8 | 234 | 0.009 | 15.8 | 26,360.97 | 1.5 | 394 | 392 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 853,286.50 | 4.40 |
| C03041-D03005 | 8 | 322 | 0.019 | 8.3 | 17,753.18 | 1.51 | 634 | 628 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,259,898.32 | 6.50 |
| D16067-D16065 | 8 | 302 | 0.02 | 7.9 | 15,249.95 | 1.51 | 492 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,300,948.07 | 6.71 |
| D05095-D05093 | 8 | 282 | 0.018 | 9.3 | 14,495.45 | 1.51 | 554 | 549 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,228,989.73 | 6.34 |
| F14027-F14025 | 8 | 349 | 0.014 | 8.9 | 15,585.00 | 1.51 | 433 | 428 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,104,740.04 | 5.70 |
| G07081-G07079 | 8 | 397 | 0.013 | 12.2 | 27,625.37 | 1.51 | 451 | 446 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,035,803.93 | 5.34 |
| H09029-H09027 | 12 | 407 | 0.007 | 12.9 | 82,045.54 | 1.51 | 415 | 412 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,336,296.30 | 4.52 |
| H11113-H11105 | 8 | 211 | 0.005 | 26 | 80,748.55 | 1.51 | 369 | 368 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 635,399.08 | 3.28 |
| F10101-F10099 | 8 | 202 | 0.01 | 11.2 | 22,316.11 | 1.51 | 409 | 407 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 918,389.95 | 4.74 |
| D14017-D14015 | 8 | 319 | 0.041 | 4.5 | 6,738.07 | 1.51 | 483 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,863,220.02 | 9.61 |
| F04151-F04149 | 15 | 264 | 0.002 | 32.4 | 487,466.47 | 1.51 | 522 | 521.5 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,147,208.60 | 2.77 |
| K14017-K14015 | 18 | 259 | 0.002 | 27.5 | 499,591.12 | 1.51 | 321 | 320.5 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 3,525,139.51 | 3.03 |
| G14009-G13057 | 8 | 277 | 0.029 | 13.1 | 7,464.48 | 1.51 | 410 | 402 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,568,530.31 | 8.09 |
| E07029-E07027 | 12 | 267 | 0.004 | 17.5 | 110,865.71 | 1.51 | 497.3 | 496.3 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,665,362.83 | 3.22 |
| J12025-J12023 | 30 | 107 | 0.004 | 11.5 | 532,087.91 | 1.51 | 358.49 | 358.09 | Vitrified Clay Pipe-Circular-30 inch | 4.9 | 19,154,726.76 | 6.05 |
| F08013-F08011 | 8 | 252 | 0.005 | 20.6 | 61,459.33 | 1.51 | 435 | 433.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 662,917.09 | 3.42 |
| K15007-K15005 | 12 | 155 | 0.002 | 40.5 | 376,116.79 | 1.51 | 326 | 325.75 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,092,870.37 | 2.11 |
| H12039-H12037 | 8 | 119 | 0.006 | 17.9 | 51,742.64 | 1.51 | 365 | 364.24 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 737,600.36 | 3.80 |
| F11045-F11043 | 8 | 340 | 0.006 | 18.3 | 45,501.62 | 1.51 | 394 | 392 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 707,886.04 | 3.65 |
| E05009-E05003 | 8 | 325 | 0.018 | 9 | 14,271.72 | 1.51 | 533 | 527 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,254,069.92 | 6.47 |
| F14075-F14073 | 8 | 253 | 0.012 | 12.6 | 34,056.71 | 1.51 | 443 | 440 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,005,051.17 | 5.18 |
| G10031-G10027 | 8 | 330 | 0.003 | 31.4 | 108,555.32 | 1.51 | 399 | 398 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 508,078.52 | 2.62 |
| J12073-J12065 | 8 | 324 | 0.006 | 23.8 | 85,165.27 | 1.51 | 364 | 362 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 725,154.09 | 3.74 |
| E18035-E18019 | 8 | 113 | 0.049 | 8.3 | 5,922.72 | 1.51 | 527 | 521.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,036,244.53 | 10.50 |
| C06005-C06003 | 8 | 329 | 0.009 | 19.2 | 33,793.96 | 1.52 | 540 | 537 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 881,354.21 | 4.55 |
| E15045-E15043 | 8 | 105 | 0.005 | 28.4 | 112,442.28 | 1.52 | 458 | 457.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 636,910.14 | 3.28 |
| D02025-D02023 | 8 | 309 | 0.013 | 13.5 | 30,904.53 | 1.52 | 607 | 603 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,050,119.11 | 5.42 |
| C06059-C06057 | 8 | 197 | 0.02 | 7.2 | 13,375.79 | 1.52 | 541 | 537 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,315,178.47 | 6.78 |
| D01023-D02059 | 8 | 212 | 0.019 | 14.1 | 18,106.66 | 1.52 | 613 | 609 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,267,797.45 | 6.54 |
| E07025-E07023 | 12 | 320 | 0.031 | 4.5 | 8,987.16 | 1.52 | 501 | 491 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 4,810,492.13 | 9.30 |
| D07111-D07099 | 8 | 216 | 0.032 | 14.2 | 7,490.98 | 1.52 | 500 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,661,536.75 | 8.57 |
| D10105-D10023 | 8 | 305 | 0.007 | 41.2 | 40,454.18 | 1.52 | 438 | 436 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 747,399.64 | 3.85 |
| D14001-E14025 | 8 | 186 | 0.011 | 14.1 | 32,020.40 | 1.52 | 457 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 957,075.80 | 4.94 |
| D07127-D07125 | 8 | 254 | 0.016 | 9.4 | 17,917.66 | 1.52 | 489 | 485 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,158,246.36 | 5.97 |
| F14091-F14089 | 8 | 249 | 0.012 | 12.6 | 33,465.17 | 1.52 | 446 | 443 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,013,091.71 | 5.22 |
| D09027-D09017 | 8 | 442 | 0.007 | 31.2 | 37,284.18 | 1.52 | 446 | 443 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 760,391.58 | 3.92 |
| J12009-J12007 | 21 | 317 | 0.002 | 28.1 | 791,786.49 | 1.52 | 358.29 | 357.81 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 4,709,306.41 | 3.04 |
| F07101-F07099 | 8 | 260 | 0.004 | 33.8 | 138,610.72 | 1.52 | 478 | 477 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 572,401.99 | 2.95 |
| K14019-K14017 | 18 | 231 | 0.002 | 24.7 | 470,814.50 | 1.52 | 321.5 | 321 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 3,732,675.20 | 3.21 |
| D09039-D09037 | 8 | 207 | 0.002 | 38.2 | 130,257.21 | 1.52 | 447 | 446.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 453,615.24 | 2.34 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| D11077-D11075 | 8 | 117 | 0.026 | 6.5 | 11,579.08 | 1.52 | 444 | 441 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,477,935.58 | 7.62 |
| G13049-G13047 | 8 | 296 | 0.01 | 16.4 | 24,387.57 | 1.52 | 400 | 397 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 929,185.83 | 4.79 |
| D05009-D05007 | 8 | 281 | 0.021 | 9.9 | 12,702.14 | 1.53 | 577 | 571 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,348,684.21 | 6.96 |
| D10039-D10037 | 8 | 223 | 0.013 | 12.9 | 17,577.19 | 1.53 | 458 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,070,523.00 | 5.52 |
| F12011-F12009 | 12 | 172 | 0.006 | 14.2 | 87,321.36 | 1.53 | 392 | 391 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,074,914.83 | 4.01 |
| F10029-F10027 | 24 | 193 | 0.001 | 30.1 | 1,224,175.66 | 1.53 | 415.75 | 415.5 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 6,218,741.48 | 3.10 |
| G12019-G12007 | 8 | 248 | 0.004 | 30.6 | 110,578.03 | 1.53 | 380.41 | 379.48 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 565,201.68 | 2.91 |
| E15073-E15071 | 8 | 265 | 0.008 | 18.5 | 59,966.65 | 1.53 | 465 | 463 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 801,825.51 | 4.14 |
| E05119-F05067 | 8 | 403 | 0.01 | 14.6 | 34,151.28 | 1.53 | 526 | 522 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 919,528.68 | 4.74 |
| F14087-F14085 | 8 | 261 | 0.011 | 13.8 | 36,168.76 | 1.53 | 440 | 437 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 989,528.21 | 5.10 |
| J12091-J12089 | 10 | 156 | 0.006 | 18.9 | 105,285.74 | 1.53 | 359 | 358 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,339,837.75 | 4.15 |
| D05073-D05041 | 10 | 337 | 0.021 | 23 | 19,999.63 | 1.53 | 565 | 558 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,411,840.47 | 7.46 |
| D04005-D04003 | 8 | 329 | 0.015 | 9.9 | 23,350.96 | 1.53 | 608 | 603 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,137,823.40 | 5.87 |
| D16059-D16001 | 8 | 220 | 0.014 | 21.9 | 27,046.28 | 1.53 | 483 | 480 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,077,797.31 | 5.56 |
| E04011-E04009 | 8 | 460 | 0.011 | 13.1 | 31,616.69 | 1.53 | 554 | 549 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 962,263.24 | 4.96 |
| D12041-E12089 | 8 | 400 | 0.013 | 12.3 | 31,547.46 | 1.53 | 429 | 424 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,031,912.36 | 5.32 |
| F10019-F10017 | 24 | 294 | 0.001 | 29.7 | 1,224,907.99 | 1.53 | 415 | 414.6 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 6,373,345.81 | 3.18 |
| E10077-E10075 | 8 | 106 | 0.009 | 13.8 | 25,192.54 | 1.53 | 430 | 429 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 896,468.17 | 4.62 |
| D15081-D15079 | 8 | 124 | 0.121 | 2 | 1,987.82 | 1.53 | 603 | 588 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,210,129.81 | 16.56 |
| E10037-E10035 | 8 | 264 | 0.004 | 24.2 | 73,100.76 | 1.53 | 411 | 410 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 568,049.06 | 2.93 |
| F13031-F13029 | 12 | 363 | 0.006 | 13.6 | 79,931.99 | 1.53 | 401 | 399 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,019,882.86 | 3.91 |
| C06001-D06013 | 8 | 294 | 0.003 | 31.7 | 117,287.68 | 1.53 | 535 | 534 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 538,287.31 | 2.78 |
| F14089-F14087 | 8 | 246 | 0.012 | 12.9 | 35,015.38 | 1.54 | 443 | 440 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,019,250.38 | 5.26 |
| D02097-D02095 | 8 | 131 | 0.015 | 12.2 | 23,769.95 | 1.54 | 613 | 611 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,140,426.12 | 5.88 |
| E16055-E15089 | 8 | 396 | 0.015 | 11.6 | 27,277.14 | 1.54 | 480 | 474 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,136,098.12 | 5.86 |
| E03103-E03101 | 8 | 226 | 0.009 | 17.3 | 45,575.68 | 1.54 | 568 | 566 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 868,257.58 | 4.48 |
| E15049-E15047 | 8 | 15 | 0.005 | 26.6 | 104,583.69 | 1.54 | 461.09 | 461.01 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 674,042.33 | 3.48 |
| D09081-D09079 | 8 | 176 | 0.006 | 18.2 | 47,356.34 | 1.54 | 454 | 453 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 695,715.17 | 3.59 |
| F09087-F09085 | 8 | 379 | 0.005 | 25.8 | 70,306.06 | 1.54 | 427 | 425 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 670,475.94 | 3.46 |
| J11089-J11087 | 8 | 226 | 0.009 | 18.6 | 54,067.46 | 1.54 | 371 | 369 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 868,257.58 | 4.48 |
| G08069-G08067 | 12 | 205 | 0.001 | 58.4 | 671,181.40 | 1.54 | 442 | 441.7 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,040,993.92 | 2.01 |
| L14045-L14043 | 10 | 129 | 0.004 | 69.4 | 862,394.81 | 1.54 | 310.5 | 310 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,041,848.70 | 3.22 |
| K11071-K11069 | 8 | 130 | 0.008 | 18.2 | 42,792.06 | 1.55 | 347 | 346 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 809,498.65 | 4.17 |
| E05109-E05025 | 8 | 213 | 0.009 | 13.5 | 34,121.77 | 1.55 | 516 | 514 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 894,361.31 | 4.61 |
| E15089-E15083 | 8 | 402 | 0.012 | 13.9 | 34,282.53 | 1.55 | 474 | 469 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,029,342.21 | 5.31 |
| F09091-F09089 | 8 | 177 | 0.006 | 20.6 | 64,535.20 | 1.55 | 431 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 693,747.09 | 3.58 |
| K15039-K15037 | 12 | 401 | 0.005 | 14.8 | 83,408.72 | 1.55 | 319 | 317 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,921,796.11 | 3.72 |
| F10079-F10077 | 8 | 367 | 0.003 | 36.1 | 125,487.35 | 1.55 | 409 | 408 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 481,786.66 | 2.48 |
| G04093-G04091 | 8 | 325 | 0.003 | 41.3 | 183,360.84 | 1.55 | 499 | 498 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 511,971.90 | 2.64 |
| E02039-E02037 | 8 | 333 | 0.012 | 11 | 26,530.21 | 1.55 | 571.65 | 567.49 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,031,602.43 | 5.32 |
| D01063-E01033 | 8 | 297 | 0.027 | 8.3 | 11,533.27 | 1.55 | 601.16 | 593.17 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,513,850.44 | 7.81 |
| D04097-D04095 | 8 | 127 | 0.008 | 17.2 | 53,028.81 | 1.55 | 594 | 593 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 819,003.86 | 4.22 |
| F15061-F15059 | 8 | 216 | 0.014 | 11.2 | 28,799.39 | 1.55 | 456 | 453 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,087,731.13 | 5.61 |
| G12051-G12049 | 8 | 249 | 0.004 | 27.9 | 99,594.11 | 1.56 | 386 | 385 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 584,908.77 | 3.02 |
| D03011-D03009 | 8 | 351 | 0.011 | 65 | 37,599.99 | 1.56 | 590 | 586 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 985,290.38 | 5.08 |
| G12035-G12051 | 8 | 256 | 0.004 | 28.1 | 99,242.05 | 1.56 | 387 | 386 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| D06075-D06073 | 8 | 222 | 0.014 | 14.8 | 23,688.17 | 1.56 | 536 | 533 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,072,931.38 | 5.53 |
| F08117-F08115 | 12 | 249 | 0.004 | 21.1 | 149,031.59 | 1.56 | 454 | 453 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,724,506.46 | 3.34 |
| H10021-H10019 | 8 | 279 | 0.003 | 35.4 | 137,219.96 | 1.56 | 394.86 | 394 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 512,430.45 | 2.64 |
| H05013-H05011 | 12 | 253 | 0.008 | 16.6 | 149,981.81 | 1.56 | 453.26 | 451.14 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,490,991.05 | 4.82 |
| D04011-D04009 | 8 | 256 | 0.02 | 8.5 | 17,874.09 | 1.56 | 620 | 615 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,289,890.45 | 6.65 |
| H11055-H11051 | 8 | 300 | 0.027 | 100 | 8,586.34 | 1.56 | 381 | 373 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,507,204.47 | 7.77 |
| F09043-F09041 | 8 | 297 | 0.01 | 12.2 | 29,465.88 | 1.56 | 442 | 439 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 927,620.23 | 4.78 |
| E07075-E08065 | 8 | 267 | 0.015 | 13.8 | 21,143.86 | 1.56 | 472 | 468 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,129,697.51 | 5.83 |
| F14085-F14083 | 8 | 279 | 0.011 | 14.4 | 42,849.00 | 1.56 | 437 | 434 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 957,075.80 | 4.94 |
| E12155-E12153 | 8 | 74 | 0.014 | 11.5 | 26,252.50 | 1.56 | 427 | 426 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,072,931.38 | 5.53 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| E15033-E15031 | 10 | 335 | 0.006 | 22.5 | 119,503.60 | 1.56 | 452 | 450 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,293,025.54 | 4.00 |
| E13099-E13069 | 10 | 389 | 0.008 | 19.2 | 63,078.05 | 1.57 | 425 | 422 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,469,604.03 | 4.55 |
| F14071-F14067 | 10 | 90 | 0.011 | 11.4 | 45,405.04 | 1.57 | 436 | 435 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,763,978.36 | 5.46 |
| E02043-E02041 | 8 | 218 | 0.02 | 9.2 | 15,750.63 | 1.57 | 581.03 | 576.69 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,302,280.16 | 6.72 |
| F04171-F04169 | 8 | 177 | 0.011 | 12.8 | 31,453.27 | 1.57 | 531 | 529 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 981,106.54 | 5.06 |
| J14087-J14085 | 8 | 262 | 0.004 | 31.2 | 120,715.00 | 1.57 | 334 | 333 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 570,213.06 | 2.94 |
| D14021-D14019 | 8 | 149 | 0.074 | 3.4 | 3,971.25 | 1.57 | 510 | 499 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,507,789.13 | 12.93 |
| F19024-F19022 | 8 | 177 | 0.095 | 2.6 | 2,478.30 | 1.57 | 595 | 578.04 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,848,988.72 | 14.69 |
| E01015-E01013 | 8 | 292 | 0.012 | 13.1 | 34,253.80 | 1.57 | 587.4 | 584.02 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 993,012.54 | 5.12 |
| G03067-G03065 | 8 | 307 | 0.01 | 14.7 | 41,472.70 | 1.57 | 511 | 508 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 912,387.33 | 4.71 |
| D08029-D08027 | 8 | 174 | 0.017 | 8.3 | 17,279.48 | 1.57 | 484 | 481 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,211,919.60 | 6.25 |
| K14029-K14027 | 15 | 256 | 0.002 | 34.5 | 460,938.15 | 1.57 | 323 | 322.5 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,180,500.64 | 2.81 |
| F06111-F06109 | 10 | 23 | 0.015 | 13.4 | 36,720.48 | 1.57 | 480.24 | 479.9 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,034,651.58 | 6.30 |
| D02081-D02079 | 8 | 191 | 0.01 | 14.5 | 41,285.61 | 1.57 | 604 | 602 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 944,465.55 | 4.87 |
| E10065-E10063 | 8 | 248 | 0.004 | 28.2 | 84,449.64 | 1.57 | 426 | 425 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 586,086.84 | 3.02 |
| K12005-K12001 | 18 | 282 | 0.004 | 21.5 | 482,582.92 | 1.57 | 362 | 361 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 4,777,675.34 | 4.11 |
| D02079-D02077 | 8 | 300 | 0.01 | 15 | 43,728.32 | 1.57 | 602 | 599 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 922,970.47 | 4.76 |
| E16015-E16013 | 8 | 324 | 0.006 | 23.3 | 86,704.51 | 1.58 | 478 | 476 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 725,154.09 | 3.74 |
| H11117-H11115 | 8 | 346 | 0.006 | 22.6 | 67,037.59 | 1.58 | 372 | 370 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 701,721.46 | 3.62 |
| C02007-C02005 | 8 | 140 | 0.007 | 22.6 | 69,824.65 | 1.58 | 629 | 628 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 780,052.42 | 4.02 |
| L14019-L14017 | 12 | 306 | 0.002 | 74.7 | 998,541.59 | 1.58 | 308 | 307.5 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,099,990.13 | 2.13 |
| D17045-D17031 | 8 | 225 | 0.031 | 6 | 10,506.52 | 1.58 | 534 | 527 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,627,966.89 | 8.40 |
| G09029-G09027 | 8 | 248 | 0.004 | 34.7 | 113,181.79 | 1.58 | 420 | 419 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 586,086.84 | 3.02 |
| F02165-F02163 | 8 | 144 | 0.005 | 25.2 | 82,723.11 | 1.58 | 544.08 | 543.37 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 645,851.96 | 3.33 |
| D04013-D04011 | 8 | 232 | 0.026 | 7.5 | 13,370.46 | 1.58 | 626 | 620 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,484,292.32 | 7.66 |
| E10079-E10049 | 10 | 76 | 0.013 | 19.4 | 22,845.72 | 1.58 | 414 | 413 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,919,586.61 | 5.94 |
| E02003-E02001 | 10 | 198 | 0.003 | 32 | 202,235.12 | 1.58 | 563.44 | 562.83 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 928,852.66 | 2.87 |
| D17027-D17023 | 8 | 227 | 0.026 | 6.7 | 13,222.45 | 1.58 | 520 | 514 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,500,550.11 | 7.74 |
| E14087-E13085 | 8 | 238 | 0.013 | 15.7 | 35,012.13 | 1.58 | 433.13 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,058,452.80 | 5.46 |
| D06029-D06027 | 8 | 172 | 0.006 | 20.9 | 67,409.90 | 1.58 | 544 | 543 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 703,758.39 | 3.63 |
| H10043-H10041 | 8 | 290 | 0.01 | 15.2 | 31,546.39 | 1.58 | 393 | 390 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 938,748.89 | 4.84 |
| E10035-F10079 | 8 | 233 | 0.004 | 29.1 | 73,050.69 | 1.58 | 410 | 409 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 604,658.06 | 3.12 |
| H09023-H09003 | 12 | 281 | 0.007 | 16.4 | 99,005.05 | 1.58 | 407 | 405 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,295,759.21 | 4.44 |
| D15055-D15053 | 8 | 276 | 0.036 | 8.1 | 9,215.94 | 1.58 | 486 | 476 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,756,844.27 | 9.06 |
| D09079-D09077 | 8 | 176 | 0.006 | 18.8 | 53,288.85 | 1.58 | 453 | 452 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 695,715.17 | 3.59 |
| G03065-G03063 | 8 | 301 | 0.01 | 15.1 | 43,674.72 | 1.58 | 508 | 505 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 921,436.02 | 4.75 |
| K15047-K15045 | 8 | 111 | 0.018 | 9 | 16,859.87 | 1.59 | 327 | 325 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,238,914.44 | 6.39 |
| D12009-E12041 | 10 | 311 | 0.002 | 84.2 | 721,852.26 | 1.59 | 420 | 419.5 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 670,995.05 | 2.08 |
| G05111-G05109 | 8 | 199 | 0.02 | 10.3 | 17,107.11 | 1.59 | 487 | 483 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,308,552.84 | 6.75 |
| E03083-E03077 | 10 | 271 | 0.007 | 16.4 | 80,838.29 | 1.59 | 555 | 553 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,437,622.50 | 4.45 |
| F05119-F05017 | 8 | 312 | 0.016 | 74.9 | 25,026.00 | 1.59 | 492 | 487 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,168,410.66 | 6.03 |
| F15073-F15065 | 8 | 192 | 0.021 | 9.7 | 18,187.11 | 1.59 | 464 | 460 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,332,193.13 | 6.87 |
| F03023-F03021 | 8 | 255 | 0.012 | 13.7 | 33,550.27 | 1.59 | 516 | 513 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,001,102.04 | 5.16 |
| G03063-G03025 | 8 | 310 | 0.01 | 25.5 | 45,875.27 | 1.59 | 505 | 502 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 907,961.82 | 4.68 |
| E12089-E12087 | 8 | 400 | 0.013 | 12.9 | 35,458.77 | 1.59 | 424 | 419 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,031,912.36 | 5.32 |
| F06069-F06067 | 8 | 353 | 0.014 | 14.5 | 31,666.83 | 1.59 | 491 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,098,463.06 | 5.67 |
| C04061-C04023 | 8 | 308 | 0.019 | 12 | 20,649.24 | 1.59 | 646 | 640 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,288,214.18 | 6.64 |
| D03017-D03015 | 8 | 315 | 0.013 | 12.8 | 33,635.26 | 1.6 | 601 | 597 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,040,069.90 | 5.36 |
| F08115-F08113 | 12 | 272 | 0.004 | 27.4 | 179,727.40 | 1.6 | 453 | 452 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,649,985.19 | 3.19 |
| E15043-E15041 | 8 | 91 | 0.005 | 27.6 | 113,985.89 | 1.6 | 457.5 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 684,151.23 | 3.53 |
| E15037-E15035 | 10 | 328 | 0.006 | 22.1 | 115,825.38 | 1.6 | 455 | 453 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,306,750.23 | 4.04 |
| F16027-F16025 | 12 | 155 | 0.006 | 19 | 172,116.95 | 1.6 | 491 | 490 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,185,740.75 | 4.23 |
| C08005-C08003 | 8 | 377 | 0.016 | 12.8 | 31,927.54 | 1.6 | 510 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,164,374.69 | 6.01 |
| D08045-D08043 | 12 | 298 | 0.013 | 9.1 | 53,611.04 | 1.6 | 467 | 463 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,152,726.97 | 6.10 |
| D02069-D02059 | 8 | 251 | 0.02 | 14.2 | 19,604.67 | 1.6 | 614 | 609 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,302,674.61 | 6.72 |
| E03123-E03119 | 8 | 123 | 0.016 | 10.5 | 25,203.54 | 1.6 | 574 | 572 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,176,928.96 | 6.07 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| G04087-G04085 | 12 | 312 | 0.003 | 26.6 | 238,763.09 | 1.6 | 493 | 492 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,540,590.45 | 2.98 |
| E12087-E12085 | 8 | 403 | 0.012 | 13.2 | 37,777.08 | 1.6 | 419 | 414 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,028,064.32 | 5.30 |
| D08065-D08063 | 8 | 368 | 0.016 | 12.6 | 33,513.83 | 1.6 | 501 | 495 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,178,526.96 | 6.08 |
| D13095-D13087 | 8 | 215 | 0.023 | 8.6 | 15,720.00 | 1.6 | 447 | 442 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,407,516.77 | 7.26 |
| H10049-H10047 | 15 | 226 | 0.002 | 27.2 | 376,268.92 | 1.6 | 383.5 | 383 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,320,715.92 | 2.99 |
| D12045-D12043 | 8 | 324 | 0.015 | 10.8 | 27,268.73 | 1.6 | 439 | 434 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,146,569.29 | 5.91 |
| F05057-F05055 | 8 | 341 | 0.006 | 23.2 | 79,947.49 | 1.6 | 513 | 511 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 706,847.32 | 3.65 |
| F10025-F10023 | 24 | 98 | 0.002 | 28.8 | 1,223,016.49 | 1.61 | 415.45 | 415.3 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 6,759,954.06 | 3.37 |
| D02077-D02013 | 8 | 291 | 0.01 | 65.9 | 46,653.48 | 1.61 | 599 | 596 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 937,134.53 | 4.83 |
| F05061-F05057 | 8 | 320 | 0.006 | 22.1 | 73,572.48 | 1.61 | 515 | 513 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 729,672.23 | 3.76 |
| E13019-E13017 | 12 | 252 | 0.002 | 74.5 | 604,688.70 | 1.61 | 423.5 | 423 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,212,130.08 | 2.34 |
| D14045-D14043 | 8 | 247 | 0.012 | 18.2 | 35,760.99 | 1.61 | 447 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,017,185.03 | 5.25 |
| F13037-F13033 | 12 | 267 | 0.007 | 13.2 | 71,144.55 | 1.61 | 403.84 | 402 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,259,008.05 | 4.37 |
| G05051-G05049 | 8 | 5 | 0.2 | 3.2 | 2,210.37 | 1.61 | 481 | 480 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 4,127,649.43 | 21.29 |
| E02015-E02013 | 8 | 312 | 0.003 | 43.3 | 189,956.02 | 1.61 | 571.14 | 570.27 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 487,382.73 | 2.51 |
| L14053-L14051 | 10 | 240 | 0.004 | 96.3 | 926,599.90 | 1.61 | 313 | 312 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,080,211.73 | 3.34 |
| G09039-G09027 | 8 | 233 | 0.004 | 34.2 | 109,324.58 | 1.61 | 420 | 419 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 604,658.06 | 3.12 |
| E16007-E16005 | 15 | 298 | 0.005 | 16.4 | 204,180.17 | 1.62 | 479 | 477.5 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,500,488.84 | 4.51 |
| E02007-E02005 | 10 | 322 | 0.003 | 30.2 | 190,701.95 | 1.62 | 565.61 | 564.55 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 960,150.93 | 2.97 |
| C04049-C04047 | 8 | 300 | 0.015 | 12 | 24,226.06 | 1.62 | 827.12 | 822.48 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,147,852.73 | 5.92 |
| E15021-E15013 | 8 | 274 | 0.007 | 25 | 65,475.22 | 1.62 | 467 | 465 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 788,546.89 | 4.07 |
| G12025-G12023 | 8 | 142 | 0.005 | 27.6 | 103,308.94 | 1.62 | 382 | 381.36 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 619,631.69 | 3.20 |
| C06073-C06059 | 8 | 427 | 0.028 | 6.5 | 10,650.62 | 1.62 | 553 | 541 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,547,264.26 | 7.98 |
| D11039-D11037 | 8 | 96 | 0.034 | 4.7 | 7,061.77 | 1.62 | 496.16 | 492.88 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,706,039.62 | 8.80 |
| F12097-F12095 | 8 | 312 | 0.016 | 46.9 | 32,529.91 | 1.62 | 403 | 398 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,168,410.66 | 6.03 |
| L13151-L13149 | 12 | 119 | 0.002 | 100 | 2,404,566.75 | 1.62 | 324 | 323.8 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,115,593.60 | 2.16 |
| H10051-H10049 | 15 | 182 | 0.003 | 25.6 | 326,228.76 | 1.62 | 384 | 383.5 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,586,071.38 | 3.33 |
| G03035-G03033 | 8 | 157 | 0.013 | 17.9 | 48,001.29 | 1.62 | 509 | 507 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,041,724.74 | 5.37 |
| D06035-D06033 | 8 | 248 | 0.016 | 9.6 | 22,375.66 | 1.62 | 556 | 552 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,172,173.67 | 6.05 |
| D11075-D11073 | 8 | 217 | 0.028 | 7.1 | 13,390.88 | 1.62 | 441 | 435 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,534,735.59 | 7.92 |
| F04181-F04165 | 8 | 63 | 0.016 | 13.9 | 25,175.38 | 1.62 | 527 | 526 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,162,833.49 | 6.00 |
| D02087-D02085 | 8 | 77 | 0.013 | 13.4 | 35,252.15 | 1.62 | 606 | 605 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,051,822.47 | 5.42 |
| C06041-D06015 | 8 | 370 | 0.022 | 7.5 | 15,507.47 | 1.62 | 544 | 536 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,357,162.77 | 7.00 |
| D04083-D04081 | 8 | 202 | 0.02 | 12.5 | 19,042.77 | 1.62 | 590 | 586 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,298,799.52 | 6.70 |
| F12017-F12015 | 12 | 228 | 0.006 | 13.7 | 87,288.67 | 1.62 | 396.7 | 395.24 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,177,576.91 | 4.21 |
| D09091-D09069 | 8 | 217 | 0.014 | 18.9 | 20,446.32 | 1.62 | 445 | 442 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,085,221.95 | 5.60 |
| C06057-C07099 | 8 | 87 | 0.023 | 7.6 | 14,899.55 | 1.63 | 537 | 535 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,399,404.22 | 7.22 |
| F19039-F19032 | 8 | 0 | 0.017 | 10.2 | 25,408.32 | 1.63 | 561.05 | 558.12 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,197,697.09 | 6.18 |
| D11037-D11035 | 8 | 98 | 0.035 | 4.7 | 7,043.14 | 1.63 | 492.88 | 489.43 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,731,746.49 | 8.93 |
| F05067-F05065 | 8 | 335 | 0.009 | 16.1 | 49,077.98 | 1.63 | 522 | 519 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 873,425.83 | 4.50 |
| G11023-G11021 | 8 | 326 | 0.012 | 11.9 | 27,834.05 | 1.63 | 382 | 378 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,022,372.13 | 5.27 |
| H05015-H05013 | 12 | 296 | 0.009 | 16.4 | 149,704.81 | 1.63 | 456 | 453.26 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,618,146.38 | 5.06 |
| C07081-C07079 | 8 | 244 | 0.02 | 9.9 | 21,190.00 | 1.63 | 521 | 516 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,321,228.39 | 6.81 |
| G03025-G03019 | 8 | 256 | 0.004 | 36.1 | 157,287.55 | 1.63 | 502 | 501 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 576,856.55 | 2.98 |
| H10055-H10053 | 15 | 380 | 0.003 | 24.1 | 322,912.66 | 1.63 | 387 | 386 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,531,042.29 | 3.26 |
| H10011-H10055 | 15 | 380 | 0.003 | 24 | 315,623.45 | 1.63 | 388 | 387 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,531,042.29 | 3.26 |
| H05011-H05009 | 12 | 277 | 0.01 | 19.8 | 150,394.40 | 1.63 | 451.14 | 448.48 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,666,646.40 | 5.16 |
| D13047-D13045 | 8 | 160 | 0.019 | 9.4 | 22,910.55 | 1.63 | 448 | 445 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,263,829.37 | 6.52 |
| C09001-D09023 | 8 | 312 | 0.006 | 18.1 | 52,236.69 | 1.63 | 454 | 452 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 738,967.79 | 3.81 |
| D07073-D07071 | 8 | 327 | 0.012 | 13.5 | 30,638.46 | 1.63 | 522 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,020,807.67 | 5.26 |
| L13141-L13139 | 8 | 136 | 0.015 | 12.6 | 24,892.83 | 1.63 | 320 | 318 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,119,266.10 | 5.77 |
| D02031-D02029 | 8 | 294 | 0.017 | 10.7 | 26,386.85 | 1.63 | 619 | 614 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,203,647.02 | 6.21 |
| D12043-D12041 | 8 | 319 | 0.016 | 11.5 | 29,208.66 | 1.63 | 434 | 429 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,155,520.00 | 5.96 |
| D09047-D09045 | 8 | 120 | 0.015 | 16.6 | 19,337.40 | 1.63 | 451.8 | 450 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,130,403.35 | 5.83 |
| D03101-D03099 | 8 | 364 | 0.008 | 80.8 | 84,245.34 | 1.63 | 595 | 592 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 837,910.71 | 4.32 |
| D05107-D05105 | 8 | 236 | 0.017 | 10 | 20,384.25 | 1.63 | 546 | 542 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,201,605.21 | 6.20 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| D14019-D14017 | 8 | 295 | 0.054 | 4.1 | 5,954.90 | 1.63 | 499 | 483 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,149,496.74 | 11.09 |
| C04065-C03019 | 8 | 283 | 0.035 | 6.9 | 10,544.26 | 1.63 | 666 | 656 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,734,980.47 | 8.95 |
| F10051-F10049 | 12 | 802 | 0.001 | 59.3 | 633,990.90 | 1.63 | 400 | 399 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 960,898.05 | 1.86 |
| J15003-J15001 | 12 | 240 | 0.002 | 36.2 | 347,431.93 | 1.63 | 327 | 326.5 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,242,063.73 | 2.40 |
| J14105-J14103 | 8 | 212 | 0.009 | 14.8 | 39,459.53 | 1.63 | 350 | 348 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 896,468.17 | 4.62 |
| F02167-F02165 | 8 | 99 | 0.005 | 23.8 | 81,460.25 | 1.63 | 544.63 | 544.08 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 681,096.21 | 3.51 |
| H05003-H05001 | 12 | 276 | 0.007 | 18.4 | 171,139.84 | 1.63 | 445 | 443 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,316,460.80 | 4.48 |
| D06045-D06043 | 8 | 319 | 0.019 | 9.4 | 19,491.53 | 1.64 | 556 | 550 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,265,808.74 | 6.53 |
| E14073-E14067 | 6 | 123 | 0.024 | 34.7 | 13,484.57 | 1.64 | 449 | 446 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 669,307.84 | 5.18 |
| D04009-D04007 | 8 | 251 | 0.02 | 8.8 | 20,825.58 | 1.64 | 615 | 610 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,302,674.61 | 6.72 |
| D18009-D18003 | 8 | 147 | 0.036 | 15.1 | 21,423.16 | 1.64 | 519.26 | 514 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,745,910.64 | 9.00 |
| F09041-F09039 | 8 | 337 | 0.012 | 13.1 | 29,427.40 | 1.64 | 439 | 435 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,005,548.11 | 5.19 |
| E14011-E14009 | 15 | 240 | 0.004 | 19.3 | 240,615.57 | 1.64 | 448 | 447 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,184,825.04 | 4.11 |
| F04149-F04147 | 15 | 121 | 0.002 | 30.2 | 487,938.61 | 1.64 | 521.5 | 521.2 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,456,739.69 | 3.17 |
| F08107-F08105 | 12 | 114 | 0.002 | 50.3 | 575,837.88 | 1.64 | 451.7 | 451.5 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,139,795.85 | 2.20 |
| D08037-D08035 | 8 | 241 | 0.004 | 35.1 | 117,681.72 | 1.64 | 474 | 473 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 594,537.55 | 3.07 |
| D10003-D10001 | 12 | 242 | 0.008 | 12 | 50,250.93 | 1.65 | 428 | 426 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,473,841.17 | 4.78 |
| E03077-E03073 | 10 | 265 | 0.008 | 18.7 | 88,355.97 | 1.65 | 553 | 551 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,453,806.38 | 4.50 |
| D07133-D07123 | 8 | 320 | 0.009 | 15.9 | 42,823.49 | 1.65 | 485 | 482 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 893,662.32 | 4.61 |
| K15005-K15003 | 15 | 121 | 0.002 | 31.9 | 406,580.86 | 1.65 | 325.75 | 325.5 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,242,686.24 | 2.89 |
| E12151-E12149 | 8 | 383 | 0.013 | 12.8 | 33,092.84 | 1.65 | 422 | 417 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,054,565.17 | 5.44 |
| D04087-D04085 | 8 | 250 | 0.024 | 7.6 | 15,185.26 | 1.65 | 600 | 594 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,429,859.71 | 7.37 |
| D04093-D04091 | 8 | 110 | 0.009 | 17 | 55,448.41 | 1.65 | 592 | 591 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 880,017.82 | 4.54 |
| K14035-K14033 | 15 | 239 | 0.002 | 33.6 | 454,245.58 | 1.65 | 324 | 323.5 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,256,717.78 | 2.91 |
| F05055-F05053 | 10 | 348 | 0.006 | 19 | 100,408.33 | 1.65 | 511 | 509 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,268,644.33 | 3.93 |
| H05001-H06013 | 12 | 271 | 0.007 | 19.5 | 174,228.44 | 1.65 | 443 | 441 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,337,732.69 | 4.52 |
| D03005-D03003 | 8 | 161 | 0.025 | 7.9 | 18,073.01 | 1.65 | 628 | 624 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,454,805.27 | 7.50 |
| D10111-D10021 | 15 | 323 | 0.002 | 40.3 | 357,118.12 | 1.66 | 435 | 434.43 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,072,656.66 | 2.67 |
| G12089-G12087 | 12 | 299 | 0.003 | 24.6 | 208,506.30 | 1.66 | 376 | 375 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,573,725.22 | 3.04 |
| G15059-G15057 | 8 | 324 | 0.019 | 10.6 | 16,127.03 | 1.66 | 428 | 422 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,256,003.72 | 6.48 |
| H10019-H10017 | 8 | 267 | 0.004 | 34.1 | 137,991.00 | 1.66 | 394 | 393 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 564,848.76 | 2.91 |
| G04083-G04081 | 12 | 269 | 0.004 | 25.7 | 240,753.15 | 1.66 | 490 | 489 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,659,160.34 | 3.21 |
| D09089-D09073 | 10 | 336 | 0.012 | 14.9 | 29,535.60 | 1.66 | 452 | 448 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,825,891.07 | 5.65 |
| G03019-G03013 | 8 | 251 | 0.004 | 37 | 165,712.58 | 1.66 | 501 | 500 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 582,573.80 | 3.00 |
| F19053-F19049 | 8 | 233 | 0.033 | 6 | 11,886.66 | 1.66 | 580.82 | 573 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,673,026.06 | 8.63 |
| F14077-F14075 | 8 | 254 | 0.016 | 12.1 | 32,504.00 | 1.66 | 447 | 443 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,158,246.36 | 5.97 |
| D10133-D10003 | 8 | 283 | 0.007 | 17.1 | 49,217.39 | 1.66 | 430 | 428 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 775,906.85 | 4.00 |
| C02023-C02019 | 8 | 264 | 0.015 | 13.1 | 29,779.08 | 1.66 | 640 | 636 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,136,098.12 | 5.86 |
| K15019-K15017 | 10 | 178 | 0.003 | 34.7 | 217,587.34 | 1.66 | 312.39 | 311.92 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 859,910.87 | 2.66 |
| E02041-E02039 | 8 | 348 | 0.014 | 10.9 | 26,685.89 | 1.66 | 576.69 | 571.65 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,110,742.66 | 5.73 |
| K15037-K15035 | 12 | 382 | 0.005 | 19.2 | 101,156.78 | 1.66 | 317 | 315 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,969,009.51 | 3.81 |
| F20020-F19013 | 8 | 141 | 0.017 | 10.4 | 26,827.89 | 1.66 | 594.98 | 588 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,187,023.43 | 6.12 |
| E03087-E03085 | 8 | 258 | 0.008 | 20.5 | 74,440.61 | 1.66 | 561 | 559 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 812,630.19 | 4.19 |
| J11085-J11079 | 8 | 232 | 0.009 | 22 | 74,536.32 | 1.67 | 368 | 366 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 856,956.57 | 4.42 |
| L14065-L14063 | 8 | 168 | 0.005 | 25.4 | 79,006.35 | 1.67 | 311.87 | 311 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 664,190.70 | 3.43 |
| F19045-F19041 | 8 | 187 | 0.024 | 8.5 | 17,836.99 | 1.67 | 569.91 | 565.41 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,431,770.01 | 7.38 |
| G15035-G14085 | 8 | 308 | 0.013 | 15.8 | 44,973.69 | 1.67 | 421.31 | 417.18 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,068,777.92 | 5.51 |
| H10017-H10015 | 8 | 267 | 0.004 | 34.6 | 144,863.13 | 1.67 | 393 | 392 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 564,848.76 | 2.91 |
| E08049-E08047 | 15 | 327 | 0.003 | 20.6 | 254,534.43 | 1.67 | 462 | 461 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,728,458.31 | 3.52 |
| D13049-D13033 | 10 | 81 | 0.012 | 34.8 | 54,802.81 | 1.67 | 422 | 421 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,859,396.46 | 5.75 |
| D10087-D10083 | 8 | 312 | 0.014 | 10.1 | 22,688.82 | 1.67 | 483.35 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,089,820.92 | 5.62 |
| H09025-H09023 | 12 | 122 | 0.008 | 13.9 | 99,220.92 | 1.67 | 408 | 407 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,463,681.62 | 4.76 |
| G11025-G11023 | 8 | 73 | 0.014 | 11.1 | 26,767.38 | 1.67 | 383 | 382 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,080,255.23 | 5.57 |
| F10027-F10025 | 24 | 29 | 0.002 | 28.4 | 1,223,159.41 | 1.68 | 415.5 | 415.45 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 7,174,591.13 | 3.58 |
| E15041-E15039 | 8 | 236 | 0.006 | 26.6 | 114,345.05 | 1.68 | 457 | 455.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 735,829.91 | 3.79 |
| E16027-E16025 | 8 | 268 | 0.011 | 16.3 | 56,137.92 | 1.68 | 491 | 488 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 976,519.76 | 5.04 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| D16049-D16011 | 8 | 110 | 0.109 | 15.8 | 2,777.06 | 1.68 | 501 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,048,471.14 | 15.72 |
| F17013-F17027 | 12 | 343 | 0.007 | 18.5 | 163,342.78 | 1.68 | 514.23 | 512 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,194,167.96 | 4.24 |
| F07015-F07001 | 8 | 81 | 0.012 | 15.8 | 47,325.74 | 1.68 | 452 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,025,522.75 | 5.29 |
| F06127-F06125 | 8 | 41 | 0.012 | 15.6 | 36,313.26 | 1.68 | 487 | 486.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,019,250.38 | 5.26 |
| H12067-H12065 | 8 | 240 | 0.013 | 13.8 | 29,803.85 | 1.68 | 375 | 372 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,031,912.36 | 5.32 |
| E03051-E03049 | 8 | 262 | 0.011 | 17.7 | 44,477.11 | 1.69 | 569 | 566 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 987,637.99 | 5.09 |
| J14053-J14051 | 8 | 105 | 0.01 | 25.9 | 45,077.26 | 1.69 | 332 | 331 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 900,726.95 | 4.65 |
| F15139-F15137 | 8 | 181 | 0.21 | 2.9 | 1,590.25 | 1.69 | 497 | 459 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 4,229,025.64 | 21.81 |
| G03013-G04093 | 8 | 248 | 0.004 | 39.4 | 174,939.16 | 1.69 | 500 | 499 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 586,086.84 | 3.02 |
| G11045-G11009 | 8 | 303 | 0.023 | 100 | 13,999.48 | 1.69 | 381 | 374 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,402,863.81 | 7.24 |
| G05107-G05105 | 8 | 254 | 0.012 | 14.9 | 42,306.49 | 1.69 | 498 | 495 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,003,070.77 | 5.17 |
| G15055-G15053 | 8 | 174 | 0.098 | 100 | 2,160.98 | 1.69 | 432 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,884,945.70 | 14.88 |
| J14103-J14101 | 8 | 217 | 0.009 | 15.4 | 45,584.46 | 1.69 | 348 | 346 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 886,080.01 | 4.57 |
| E13069-E13067 | 10 | 583 | 0.005 | 27.2 | 154,882.43 | 1.69 | 422 | 419 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,200,441.11 | 3.71 |
| J14037-J14021 | 8 | 65 | 0.015 | 20.7 | 25,521.83 | 1.69 | 340 | 339 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,144,803.98 | 5.90 |
| F13029-F12017 | 12 | 303 | 0.008 | 13.1 | 80,098.97 | 1.69 | 399 | 396.7 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,370,866.51 | 4.59 |
| H08001-H09031 | 12 | 393 | 0.01 | 12.1 | 78,961.51 | 1.69 | 422 | 418 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,745,353.15 | 5.31 |
| E03089-E03087 | 8 | 123 | 0.008 | 20.3 | 73,901.86 | 1.69 | 562 | 561 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 832,214.45 | 4.29 |
| E12041-E12039 | 10 | 252 | 0.002 | 79.5 | 723,883.99 | 1.69 | 419.5 | 419 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 745,416.91 | 2.31 |
| D09037-D09035 | 8 | 178 | 0.003 | 39.7 | 162,008.95 | 1.7 | 446.5 | 446 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 489,173.37 | 2.52 |
| D03003-D03001 | 8 | 269 | 0.026 | 11 | 18,779.28 | 1.7 | 624 | 617 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,488,883.40 | 7.68 |
| G15077-G15075 | 8 | 395 | 0.068 | 3.3 | 3,241.46 | 1.7 | 474 | 447 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,413,076.78 | 12.45 |
| F14067-F14065 | 10 | 167 | 0.012 | 11.8 | 54,408.48 | 1.7 | 435 | 433 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,831,349.65 | 5.67 |
| G13077-G12095 | 10 | 309 | 0.003 | 31 | 198,707.54 | 1.7 | 380 | 379 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 951,996.32 | 2.95 |
| J14013-J15009 | 12 | 250 | 0.004 | 21 | 166,105.07 | 1.7 | 331 | 330 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,721,053.99 | 3.33 |
| E14075-E14073 | 6 | 226 | 0.027 | 9.8 | 13,505.74 | 1.7 | 455 | 449 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 698,295.51 | 5.40 |
| D05093-D06117 | 8 | 281 | 0.014 | 11.1 | 27,439.91 | 1.7 | 549 | 545 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,101,196.04 | 5.68 |
| F04161-F04145 | 8 | 232 | 0.009 | 32.8 | 62,995.62 | 1.7 | 522 | 520 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 856,956.57 | 4.42 |
| F19030-F19015 | 8 | 157 | 0.018 | 13 | 28,929.33 | 1.7 | 555.34 | 552.57 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,225,964.42 | 6.32 |
| F19055-F19053 | 8 | 273 | 0.06 | 4.9 | 6,240.27 | 1.7 | 597.5 | 580.82 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,264,883.91 | 11.68 |
| F18005-F18003 | 8 | 171 | 0.006 | 29.7 | 135,362.41 | 1.7 | 530 | 529 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 705,813.16 | 3.64 |
| G05095-G05093 | 12 | 322 | 0.003 | 31.9 | 333,435.00 | 1.7 | 482 | 481 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,516,479.56 | 2.93 |
| D17021-D17019 | 12 | 187 | 0.011 | 12.9 | 100,355.34 | 1.71 | 510 | 508 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,814,224.20 | 5.44 |
| D10001-E10059 | 12 | 355 | 0.006 | 16.5 | 87,042.49 | 1.71 | 426 | 424 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,042,515.30 | 3.95 |
| J11035-J11031 | 15 | 245 | 0.002 | 33.5 | 539,561.28 | 1.71 | 377 | 376.5 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,228,913.22 | 2.87 |
| F05051-F05043 | 10 | 145 | 0.007 | 39.6 | 99,851.19 | 1.71 | 506 | 505 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,389,730.24 | 4.30 |
| D05019-D05017 | 8 | 259 | 0.027 | 9 | 14,033.08 | 1.71 | 583 | 576 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,517,354.11 | 7.83 |
| K13061-K13059 | 12 | 339 | 0.003 | 25.7 | 213,327.66 | 1.71 | 337 | 336 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,477,966.70 | 2.86 |
| E04105-E04097 | 10 | 265 | 0.008 | 17.9 | 101,982.80 | 1.71 | 550 | 548 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,453,806.38 | 4.50 |
| E07013-E07011 | 12 | 248 | 0.008 | 11.7 | 71,434.22 | 1.71 | 481 | 479 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,443,732.45 | 4.73 |
| D14013-D13047 | 8 | 302 | 0.04 | 7.4 | 10,690.61 | 1.71 | 460 | 448 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,839,818.40 | 9.49 |
| J07131-J07129 | 8 | 42 | 0.056 | 10.8 | 7,038.54 | 1.71 | 418.74 | 416.37 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,192,488.56 | 11.31 |
| J14051-J14049 | 8 | 264 | 0.004 | 36.8 | 164,002.88 | 1.71 | 331 | 330 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 568,049.06 | 2.93 |
| D07117-D07113 | 8 | 322 | 0.006 | 23.5 | 83,913.67 | 1.71 | 477 | 475 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 727,402.63 | 3.75 |
| E16025-E16023 | 8 | 255 | 0.012 | 16.2 | 57,275.49 | 1.71 | 488 | 485 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,001,102.04 | 5.16 |
| D08049-D08047 | 12 | 240 | 0.017 | 9.1 | 51,526.96 | 1.71 | 474 | 470 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,513,086.74 | 6.79 |
| D06127-D06125 | 8 | 210 | 0.019 | 13.1 | 20,968.38 | 1.71 | 532 | 528 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,273,820.27 | 6.57 |
| E07011-E07009 | 12 | 234 | 0.009 | 11.5 | 70,822.93 | 1.71 | 479 | 477 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,515,773.67 | 4.87 |
| F19032-F19030 | 8 | 157 | 0.018 | 10.5 | 28,156.32 | 1.71 | 558.12 | 555.34 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,244,126.35 | 6.42 |
| D10047-D10045 | 8 | 287 | 0.017 | 10.2 | 19,305.59 | 1.71 | 466 | 461 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,218,237.21 | 6.28 |
| D14003-D14001 | 8 | 41 | 0.024 | 10.2 | 18,256.45 | 1.72 | 458 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,441,437.71 | 7.43 |
| D09029-D09027 | 8 | 195 | 0.01 | 14 | 33,923.69 | 1.72 | 448 | 446 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 934,728.53 | 4.82 |
| G12023-G12021 | 8 | 179 | 0.005 | 46.2 | 104,807.77 | 1.72 | 381.36 | 380.4 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 675,922.51 | 3.49 |
| D07145-D07143 | 12 | 308 | 0.006 | 13.5 | 85,555.37 | 1.72 | 503 | 501 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,192,825.83 | 4.24 |
| F06109-F07099 | 10 | 387 | 0.007 | 22.4 | 96,215.52 | 1.72 | 479.9 | 477 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,448,631.84 | 4.48 |
| D08043-D08041 | 12 | 251 | 0.016 | 9.7 | 55,780.80 | 1.72 | 463 | 459 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,435,244.34 | 6.64 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| F18051-F18049 | 8 | 209 | 0.098 | 2.9 | 3,572.55 | 1.72 | 594.18 | 573.4 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,889,632.73 | 14.90 |
| F15107-F15105 | 8 | 270 | 0.022 | 11 | 22,900.92 | 1.72 | 475 | 469 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,375,883.14 | 7.10 |
| F10015-F10013 | 24 | 254 | 0.002 | 30.9 | 1,226,502.40 | 1.73 | 414.5 | 414 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 7,666,185.03 | 3.83 |
| D11035-D11033 | 8 | 87 | 0.043 | 4.4 | 7,024.50 | 1.73 | 489.43 | 485.72 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,905,965.94 | 9.83 |
| D08059-D08057 | 8 | 222 | 0.018 | 12.8 | 37,966.07 | 1.73 | 490 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,238,914.44 | 6.39 |
| C06023-C06021 | 8 | 262 | 0.046 | 6.4 | 7,189.06 | 1.73 | 566 | 554 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,975,275.99 | 10.19 |
| C06051-D06071 | 8 | 248 | 0.016 | 10.8 | 26,801.86 | 1.73 | 583 | 579 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,172,173.67 | 6.05 |
| L14047-L14045 | 10 | 94 | 0.005 | 65.9 | 867,905.59 | 1.73 | 311 | 310.5 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,220,493.82 | 3.78 |
| G03033-G03031 | 8 | 250 | 0.008 | 24.1 | 82,492.56 | 1.73 | 507 | 505 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 825,529.89 | 4.26 |
| D17019-D17017 | 15 | 319 | 0.013 | 9.3 | 100,302.64 | 1.73 | 508 | 504 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,524,918.21 | 7.12 |
| H13051-H12035 | 12 | 263 | 0.015 | 8.4 | 29,270.92 | 1.73 | 366 | 362 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,355,958.79 | 6.49 |
| D14087-D14085 | 8 | 68 | 0.015 | 13.2 | 33,304.45 | 1.73 | 452 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,119,266.10 | 5.77 |
| J14113-J14111 | 8 | 91 | 0.022 | 10.8 | 17,308.10 | 1.73 | 355 | 353 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,368,302.46 | 7.06 |
| D11031-D11029 | 8 | 83 | 0.045 | 5.9 | 6,980.50 | 1.73 | 478.45 | 474.72 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,956,605.08 | 10.09 |
| D11033-D11031 | 8 | 166 | 0.044 | 4.4 | 7,009.22 | 1.73 | 485.72 | 478.45 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,931,527.82 | 9.96 |
| D16003-D16001 | 15 | 274 | 0.007 | 15.7 | 172,376.70 | 1.73 | 482 | 480 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,215,323.56 | 5.44 |
| D04103-D04101 | 8 | 239 | 0.017 | 12.2 | 33,442.20 | 1.73 | 606 | 602 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,194,039.94 | 6.16 |
| F15059-F14093 | 8 | 213 | 0.019 | 11.5 | 29,959.33 | 1.74 | 453 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,264,817.89 | 6.52 |
| H12005-H12003 | 21 | 323 | 0.003 | 27.8 | 815,870.22 | 1.74 | 362 | 361.15 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 6,208,320.98 | 4.00 |
| D14071-D14069 | 8 | 309 | 0.071 | 4.2 | 5,029.64 | 1.74 | 488 | 466 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,462,747.62 | 12.70 |
| E13067-E13065 | 10 | 241 | 0.004 | 30.1 | 212,506.84 | 1.74 | 419 | 418 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,077,968.29 | 3.34 |
| D07137-D07135 | 8 | 338 | 0.015 | 11.5 | 28,501.53 | 1.74 | 495 | 490 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,122,572.66 | 5.79 |
| K12025-K12023 | 18 | 355 | 0.001 | 36.7 | 796,963.59 | 1.74 | 338 | 337.5 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 3,011,008.73 | 2.59 |
| F08083-G08081 | 12 | 358 | 0.002 | 52.3 | 654,216.96 | 1.74 | 446 | 445.29 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,211,859.19 | 2.34 |
| F02098-F02097 | 8 | 262 | 0.004 | 38.7 | 180,715.36 | 1.74 | 533 | 532 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 570,213.06 | 2.94 |
| E07009-E07007 | 12 | 109 | 0.009 | 11.3 | 70,283.41 | 1.74 | 477 | 476 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,606,461.11 | 5.04 |
| D09093-D09065 | 8 | 152 | 0.007 | 29.5 | 61,737.64 | 1.74 | 438 | 437 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 748,627.91 | 3.86 |
| E04085-E04083 | 8 | 140 | 0.007 | 23 | 90,342.62 | 1.74 | 559 | 558 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 780,052.42 | 4.02 |
| F18049-F18043 | 8 | 209 | 0.088 | 3.5 | 4,760.37 | 1.74 | 573.4 | 555 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,738,568.29 | 14.12 |
| F06145-F06141 | 10 | 266 | 0.011 | 12.2 | 56,540.83 | 1.74 | 488 | 485 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,777,191.87 | 5.50 |
| F04163-F04161 | 8 | 217 | 0.009 | 18.1 | 61,984.27 | 1.74 | 524 | 522 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 886,080.01 | 4.57 |
| F14083-F14081 | 8 | 279 | 0.014 | 25.4 | 44,785.30 | 1.75 | 434 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,105,135.94 | 5.70 |
| K11029-K11027 | 18 | 329 | 0.002 | 30.1 | 615,917.53 | 1.75 | 348 | 347.5 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 3,127,722.70 | 2.69 |
| F05081-F05079 | 8 | 260 | 0.027 | 11.8 | 16,370.10 | 1.75 | 516 | 509 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,514,433.31 | 7.81 |
| D14043-D14041 | 10 | 146 | 0.007 | 20.2 | 108,151.12 | 1.75 | 444 | 443 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,384,962.71 | 4.29 |
| K11027-K11025 | 18 | 324 | 0.002 | 30.2 | 624,540.32 | 1.75 | 347.5 | 347 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 3,151,763.97 | 2.71 |
| K15001-K14051 | 15 | 195 | 0.003 | 28 | 425,873.23 | 1.75 | 325 | 324.5 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,498,382.31 | 3.22 |
| K14051-K14035 | 15 | 195 | 0.003 | 29.3 | 431,616.62 | 1.75 | 324.5 | 324 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,498,382.31 | 3.22 |
| F04165-F04163 | 8 | 215 | 0.009 | 17.8 | 60,970.02 | 1.75 | 526 | 524 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 890,191.77 | 4.59 |
| G14047-G14045 | 8 | 297 | 0.013 | 15.9 | 25,492.93 | 1.75 | 405 | 401 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,071,123.58 | 5.52 |
| H10047-H10045 | 15 | 341 | 0.003 | 26.4 | 376,397.16 | 1.75 | 383 | 382 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,671,861.92 | 3.44 |
| G08065-G08061 | 12 | 243 | 0.002 | 53.6 | 693,012.81 | 1.75 | 441.5 | 441 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,234,372.86 | 2.39 |
| F08031-F08029 | 8 | 78 | 0.01 | 16.4 | 40,745.69 | 1.75 | 439 | 438.2 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 934,728.53 | 4.82 |
| H08003-H08001 | 12 | 402 | 0.012 | 11.3 | 74,918.06 | 1.75 | 426.73 | 422 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,951,766.79 | 5.71 |
| F13045-F13043 | 12 | 258 | 0.012 | 10.3 | 56,050.41 | 1.75 | 409 | 406 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,934,372.69 | 5.68 |
| F18053-F18051 | 8 | 179 | 0.12 | 2.4 | 2,780.79 | 1.75 | 615.77 | 594.18 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,196,523.31 | 16.49 |
| E07021-E07019 | 12 | 381 | 0.008 | 12 | 73,795.02 | 1.75 | 490 | 487 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,414,696.97 | 4.67 |
| F14057-F14055 | 15 | 304 | 0.006 | 17.3 | 249,070.41 | 1.76 | 429 | 427.2 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,796,563.43 | 4.90 |
| E05103-E05101 | 8 | 261 | 0.004 | 39.2 | 186,112.63 | 1.76 | 536 | 535 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 571,304.38 | 2.95 |
| E03249-E03247 | 10 | 284 | 0.003 | 38 | 256,285.01 | 1.76 | 562.12 | 561.18 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 962,762.72 | 2.98 |
| D17049-D17047 | 8 | 240 | 0.041 | 5.4 | 10,533.34 | 1.76 | 550.67 | 540.87 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,865,070.38 | 9.62 |
| F10017-F10015 | 24 | 48 | 0.002 | 26.8 | 1,224,599.19 | 1.76 | 414.6 | 414.5 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 7,886,613.07 | 3.94 |
| D04085-D04083 | 8 | 159 | 0.025 | 8.1 | 18,445.09 | 1.76 | 594 | 590 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,463,926.39 | 7.55 |
| C06015-C06003 | 8 | 294 | 0.007 | 23.4 | 78,373.44 | 1.76 | 539 | 537 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 761,253.22 | 3.93 |
| J12007-J12005 | 33 | 383 | 0.002 | 18.1 | 1,323,662.10 | 1.76 | 357.81 | 357 | Vitrified Clay Pipe-Circular-33 inch | 5.9 | 18,576,396.44 | 4.87 |
| E05001-E06017 | 8 | 333 | 0.006 | 24.3 | 92,648.72 | 1.76 | 524 | 522 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 715,287.59 | 3.69 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| F02097-F03145 | 8 | 262 | 0.004 | 42 | 180,071.92 | 1.76 | 532 | 531 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 589,664.20 | 3.04 |
| D05017-D05007 | 8 | 331 | 0.015 | 12 | 29,423.96 | 1.76 | 576 | 571 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,134,380.66 | 5.85 |
| K11031-K11029 | 18 | 328 | 0.002 | 30.2 | 621,949.50 | 1.77 | 348.5 | 348 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 3,132,486.94 | 2.69 |
| D10045-D10043 | 8 | 231 | 0.013 | 12.1 | 29,735.07 | 1.77 | 461 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,051,822.47 | 5.42 |
| E16039-E16021 | 8 | 39 | 0.026 | 13.1 | 19,460.05 | 1.77 | 481 | 480 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,477,935.58 | 7.62 |
| E16001-E15017 | 15 | 326 | 0.006 | 16.3 | 223,648.70 | 1.77 | 474 | 472 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,864,536.35 | 4.98 |
| D06043-D06029 | 8 | 331 | 0.018 | 15.5 | 26,448.66 | 1.77 | 550 | 544 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,242,651.75 | 6.41 |
| E15003-E15001 | 15 | 236 | 0.004 | 21.7 | 330,510.10 | 1.77 | 456 | 455 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,211,701.67 | 4.14 |
| E07017-E07015 | 12 | 232 | 0.009 | 11.6 | 72,103.63 | 1.77 | 484 | 482 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,526,594.25 | 4.89 |
| J14029-J14027 | 8 | 220 | 0.005 | 30.4 | 124,764.20 | 1.77 | 346 | 345 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 622,266.57 | 3.21 |
| H10045-J10011 | 15 | 377 | 0.003 | 45.9 | 416,100.24 | 1.77 | 382 | 381 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,541,092.79 | 3.28 |
| F19009-F19007 | 12 | 300 | 0.015 | 8.7 | 48,092.93 | 1.77 | 563.29 | 558.85 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,305,009.68 | 6.39 |
| D17031-D17027 | 8 | 186 | 0.038 | 6.4 | 13,235.93 | 1.77 | 527 | 520 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,790,524.86 | 9.23 |
| L13149-L13147 | 12 | 363 | 0.002 | 100 | 2,388,073.00 | 1.78 | 323.8 | 323 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,277,486.09 | 2.47 |
| F20030-F20028 | 8 | 248.7 | 0.043 | 5.3 | 10,205.80 | 1.78 | 689.37 | 675.45 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,913,087.88 | 9.87 |
| G13089-G13087 | 10 | 174 | 0.004 | 27.4 | 173,625.97 | 1.78 | 385 | 384.3 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,061,424.00 | 3.28 |
| C06053-C06051 | 8 | 264 | 0.019 | 10 | 24,166.32 | 1.78 | 588 | 583 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,270,196.31 | 6.55 |
| G14043-G13099 | 8 | 291 | 0.007 | 23.5 | 92,156.64 | 1.78 | 398 | 396 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 765,167.14 | 3.95 |
| E02037-E02001 | 8 | 241 | 0.019 | 25.2 | 26,378.62 | 1.78 | 567.49 | 562.83 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,283,430.17 | 6.62 |
| C06093-C06073 | 8 | 291 | 0.048 | 5.2 | 7,809.22 | 1.78 | 567 | 553 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,024,441.96 | 10.44 |
| C05029-C05027 | 8 | 338 | 0.059 | 3.5 | 5,084.83 | 1.78 | 691 | 671 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,245,145.31 | 11.58 |
| F17025-F17023 | 12 | 245 | 0.008 | 16.9 | 135,150.47 | 1.78 | 527 | 525 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,458,648.55 | 4.76 |
| G15075-G15073 | 8 | 325 | 0.052 | 4.5 | 5,856.80 | 1.78 | 447 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,110,914.23 | 10.89 |
| D17047-D17045 | 8 | 157 | 0.044 | 5.5 | 10,516.75 | 1.78 | 540.87 | 534 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,930,706.90 | 9.96 |
| D06135-E06023 | 8 | 278 | 0.011 | 16.7 | 46,599.98 | 1.79 | 516 | 513 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 958,795.61 | 4.94 |
| F14073-F14071 | 10 | 242 | 0.017 | 10.5 | 45,050.04 | 1.79 | 440 | 436 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,151,477.56 | 6.66 |
| D15075-D15073 | 8 | 192 | 0.063 | 4 | 6,752.69 | 1.79 | 562 | 550 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,307,426.18 | 11.90 |
| K13055-K13053 | 12 | 341 | 0.003 | 28.4 | 259,742.57 | 1.79 | 332 | 331 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,473,626.11 | 2.85 |
| E03119-E03103 | 8 | 215 | 0.019 | 13.2 | 31,028.05 | 1.79 | 572 | 568 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,258,921.27 | 6.49 |
| D05111-D05103 | 8 | 243 | 0.016 | 12 | 28,121.26 | 1.79 | 544 | 540 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,184,171.67 | 6.11 |
| E15071-E15059 | 8 | 259 | 0.012 | 17.6 | 62,793.67 | 1.79 | 463 | 460 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 993,341.44 | 5.12 |
| F10097-F10067 | 8 | 286 | 0.01 | 44.7 | 38,575.70 | 1.79 | 404 | 401 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 945,290.77 | 4.88 |
| D11003-D11001 | 8 | 293 | 0.003 | 36.4 | 152,006.76 | 1.79 | 443 | 442 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 539,205.11 | 2.78 |
| K15017-K14103 | 10 | 254 | 0.003 | 38 | 242,561.56 | 1.79 | 311.92 | 311.16 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 915,386.38 | 2.83 |
| D14055-D14053 | 8 | 160 | 0.075 | 4.1 | 5,551.83 | 1.79 | 491 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,527,658.74 | 13.04 |
| C11015-C11013 | 8 | 193 | 0.047 | 5.2 | 7,061.77 | 1.8 | 522 | 513 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,993,106.05 | 10.28 |
| G08007-G09053 | 8 | 281 | 0.007 | 21.8 | 80,809.88 | 1.8 | 432 | 430 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 778,663.19 | 4.02 |
| D10085-D10083 | 8 | 103 | 0.039 | 7.6 | 8,827.22 | 1.8 | 483 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,818,859.66 | 9.38 |
| J10011-J10009 | 15 | 370 | 0.003 | 100 | 431,719.94 | 1.8 | 381 | 380 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,565,017.53 | 3.31 |
| F19057-F19055 | 8 | 300 | 0.075 | 3.7 | 5,455.57 | 1.8 | 620.29 | 597.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,535,458.45 | 13.08 |
| C06011-C06009 | 8 | 304 | 0.033 | 7.1 | 12,851.87 | 1.8 | 571 | 561 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,673,982.89 | 8.63 |
| D13045-D13043 | 8 | 171 | 0.023 | 19.6 | 24,878.78 | 1.8 | 445 | 441 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,411,626.32 | 7.28 |
| E15053-E15051 | 8 | 319 | 0.009 | 21.6 | 89,980.81 | 1.8 | 468 | 465 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 895,061.95 | 4.62 |
| F12069-F12067 | 24 | 271 | 0.001 | 41.1 | 2,228,156.76 | 1.8 | 395.36 | 395 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 6,297,638.94 | 3.14 |
| J15001-K15007 | 12 | 177 | 0.003 | 36.9 | 346,529.21 | 1.8 | 326.5 | 326 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,446,314.92 | 2.80 |
| G14025-G14023 | 12 | 301 | 0.017 | 9.1 | 40,166.12 | 1.8 | 421 | 416 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,507,246.19 | 6.78 |
| C11009-C11007 | 8 | 121 | 0.008 | 16.9 | 52,067.75 | 1.8 | 557 | 556 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 839,064.07 | 4.33 |
| E03085-E03083 | 8 | 406 | 0.01 | 19.8 | 76,155.59 | 1.8 | 559 | 555 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 916,125.11 | 4.72 |
| F04196-F04195 | 8 | 202 | 0.105 | 4 | 3,188.74 | 1.8 | 550.07 | 528.84 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,984,796.90 | 15.39 |
| G08011-G08007 | 8 | 251 | 0.008 | 20.7 | 70,178.41 | 1.81 | 434 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 823,883.76 | 4.25 |
| D07135-D07133 | 8 | 340 | 0.015 | 13.4 | 33,872.23 | 1.81 | 490 | 485 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,119,266.10 | 5.77 |
| H06069-J06097 | 8 | 298 | 0.015 | 12.3 | 31,354.37 | 1.81 | 437.17 | 432.81 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,116,407.95 | 5.76 |
| D14015-D14013 | 8 | 175 | 0.057 | 5 | 8,711.09 | 1.81 | 470 | 460 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,206,321.43 | 11.38 |
| F19007-F19005 | 12 | 300 | 0.014 | 9.6 | 53,984.74 | 1.81 | 558.85 | 554.5 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,271,341.47 | 6.33 |
| D06141-D07145 | 8 | 45 | 0.007 | 22.4 | 82,704.31 | 1.81 | 503.3 | 503 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 753,602.23 | 3.89 |
| D04099-D04097 | 8 | 80 | 0.013 | 16.2 | 51,596.64 | 1.81 | 595 | 594 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,031,912.36 | 5.32 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| E15029-E14011 | 10 | 205 | 0.005 | 30.2 | 231,987.90 | 1.81 | 449 | 448 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,168,792.94 | 3.62 |
| F12007-F12005 | 12 | 299 | 0.01 | 13.5 | 87,398.13 | 1.82 | 390 | 387 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,725,772.03 | 5.27 |
| H10023-H10021 | 8 | 249 | 0.005 | 33.6 | 137,370.65 | 1.82 | 396 | 394.86 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 624,511.67 | 3.22 |
| D06077-D06075 | 8 | 232 | 0.03 | 8.6 | 15,592.46 | 1.82 | 543 | 536 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,603,218.94 | 8.27 |
| D06071-D06069 | 8 | 247 | 0.016 | 11.5 | 30,865.75 | 1.82 | 579 | 575 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,174,544.10 | 6.06 |
| E06083-E06053 | 10 | 325 | 0.009 | 17.3 | 71,509.57 | 1.82 | 508 | 505 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,607,805.30 | 4.98 |
| C05005-C05003 | 8 | 235 | 0.048 | 4.7 | 8,626.87 | 1.82 | 619.28 | 607.92 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,029,284.98 | 10.47 |
| K15023-K15021 | 8 | 334 | 0.009 | 27.2 | 58,445.74 | 1.82 | 317 | 314 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 874,732.38 | 4.51 |
| K13067-K13065 | 12 | 280 | 0.004 | 23.9 | 202,559.44 | 1.82 | 340 | 339 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,626,243.16 | 3.15 |
| G12071-G12069 | 15 | 178 | 0.011 | 11 | 95,959.03 | 1.82 | 385 | 383 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,229,933.85 | 6.74 |
| D10107-D10105 | 8 | 339 | 0.012 | 14.4 | 36,809.23 | 1.83 | 442 | 438 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,002,577.50 | 5.17 |
| E07089-E07087 | 8 | 96 | 0.01 | 18.3 | 51,892.03 | 1.83 | 472 | 471 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 942,002.79 | 4.86 |
| G03049-G03047 | 8 | 95 | 0.021 | 11.2 | 21,602.44 | 1.83 | 515 | 513 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,339,186.31 | 6.91 |
| D13077-D13075 | 8 | 147 | 0.02 | 13.6 | 30,912.12 | 1.83 | 435 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,318,529.25 | 6.80 |
| G09025-G09023 | 8 | 251 | 0.004 | 44.1 | 222,154.26 | 1.83 | 418.9 | 418 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 552,678.03 | 2.85 |
| G12047-G12025 | 8 | 151 | 0.007 | 26.1 | 99,599.12 | 1.83 | 383 | 382 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 751,102.72 | 3.87 |
| D13037-D13035 | 10 | 335 | 0.006 | 24 | 161,898.91 | 1.83 | 436 | 434 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,293,025.54 | 4.00 |
| K12049-K12027 | 8 | 342 | 0.016 | 44.1 | 32,942.94 | 1.83 | 344 | 338.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,170,458.71 | 6.04 |
| D06065-D06063 | 8 | 250 | 0.012 | 15 | 47,266.00 | 1.83 | 567 | 564 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,011,063.49 | 5.21 |
| J12003-J12001 | 33 | 417 | 0.002 | 17.6 | 1,343,297.37 | 1.84 | 356 | 355 | Vitrified Clay Pipe-Circular-33 inch | 5.9 | 19,781,094.64 | 5.19 |
| J08001-J09017 | 15 | 354 | 0.006 | 19.9 | 321,803.74 | 1.84 | 396 | 394 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,708,553.65 | 4.78 |
| D09049-D09047 | 8 | 174 | 0.021 | 8.8 | 19,418.28 | 1.84 | 455.4 | 451.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,327,591.41 | 6.85 |
| K12027-K12025 | 18 | 314 | 0.002 | 34.6 | 799,421.62 | 1.84 | 338.5 | 338 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 3,201,557.95 | 2.75 |
| D07121-D07119 | 8 | 116 | 0.009 | 22 | 70,876.86 | 1.84 | 479 | 478 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 856,956.57 | 4.42 |
| D14115-D14113 | 8 | 238 | 0.019 | 11.8 | 37,312.68 | 1.84 | 462 | 457.48 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,271,945.63 | 6.56 |
| H12007-H12005 | 18 | 868 | 0.003 | 23 | 441,922.73 | 1.84 | 365 | 362 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 4,716,740.18 | 4.05 |
| F05053-F05051 | 10 | 364 | 0.008 | 17.8 | 100,305.30 | 1.84 | 509 | 506 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,519,233.21 | 4.70 |
| H11061-H11049 | 8 | 300 | 0.027 | 100 | 16,032.37 | 1.84 | 380 | 371.83 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,523,134.33 | 7.86 |
| F06141-F06109 | 10 | 387 | 0.013 | 14.7 | 58,070.62 | 1.85 | 485 | 479.9 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,921,074.09 | 5.94 |
| L14023-L14021 | 8 | 63 | 0.037 | 48.3 | 12,824.91 | 1.85 | 311 | 308.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,763,524.31 | 9.10 |
| K12023-K12021 | 18 | 352 | 0.001 | 38.3 | 940,422.28 | 1.85 | 337.5 | 337 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 3,023,812.51 | 2.60 |
| E04083-E04077 | 8 | 118 | 0.008 | 24.4 | 92,743.79 | 1.85 | 558 | 557 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 849,663.19 | 4.38 |
| K14101-L14043 | 10 | 141 | 0.004 | 46.7 | 237,197.22 | 1.85 | 310.5 | 310 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 996,529.03 | 3.08 |
| F19041-F19039 | 8 | 178 | 0.024 | 9.6 | 24,635.51 | 1.85 | 565.41 | 561.05 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,444,511.66 | 7.45 |
| D03103-D03101 | 8 | 351 | 0.011 | 20.6 | 84,251.18 | 1.85 | 599 | 595 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 985,290.38 | 5.08 |
| G13083-G13079 | 10 | 244 | 0.004 | 28.6 | 191,765.32 | 1.85 | 383 | 382 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,071,320.94 | 3.32 |
| J11031-J11029 | 15 | 194 | 0.003 | 31.9 | 552,492.34 | 1.85 | 376.5 | 376 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,504,813.16 | 3.23 |
| F08011-F09091 | 8 | 288 | 0.009 | 19.3 | 62,460.84 | 1.85 | 433.7 | 431 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 893,662.32 | 4.61 |
| D12031-D12027 | 10 | 183 | 0.005 | 23.3 | 147,005.85 | 1.85 | 435 | 434 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,237,054.87 | 3.83 |
| H10057-H10049 | 8 | 269 | 0.009 | 33.6 | 52,728.96 | 1.85 | 386 | 383.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 889,778.02 | 4.59 |
| L14063-L15001 | 8 | 1,500.00 | 0.005 | 27.5 | 111,125.18 | 1.86 | 311 | 303 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 674,042.33 | 3.48 |
| E08059-E08057 | 8 | 235 | 0.004 | 38.4 | 188,362.94 | 1.86 | 465 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 602,079.55 | 3.11 |
| H09027-H09025 | 12 | 378 | 0.011 | 13.3 | 99,760.16 | 1.86 | 412 | 408 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,799,294.52 | 5.41 |
| D03013-D03011 | 8 | 303 | 0.02 | 12.4 | 36,225.66 | 1.86 | 596 | 590 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,298,799.52 | 6.70 |
| F05065-F05061 | 8 | 313 | 0.013 | 18.3 | 52,019.59 | 1.86 | 519 | 515 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,043,387.51 | 5.38 |
| D17051-D17049 | 8 | 72 | 0.048 | 5.3 | 10,538.44 | 1.86 | 554.3 | 550.67 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,017,132.02 | 10.40 |
| D11017-D11013 | 6 | 246 | 0.012 | 20.1 | 31,979.79 | 1.86 | 451 | 448 | Vitrified Clay Pipe-Circular-6 inch | 0.2 | 473,272.11 | 3.66 |
| F10065-F10051 | 12 | 424 | 0.002 | 55.8 | 616,147.74 | 1.86 | 400.75 | 400 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,144,490.52 | 2.21 |
| D13067-D13065 | 10 | 22 | 0.023 | 10 | 36,664.91 | 1.86 | 430 | 429.5 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,522,831.07 | 7.81 |
| D13035-E13033 | 10 | 318 | 0.006 | 24.1 | 167,572.36 | 1.87 | 434 | 432 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,327,137.58 | 4.11 |
| E13033-E13029 | 10 | 318 | 0.006 | 35.1 | 170,876.65 | 1.87 | 432 | 430 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,327,137.58 | 4.11 |
| H12037-H12035 | 8 | 207 | 0.011 | 16.4 | 56,287.48 | 1.87 | 364.24 | 362 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 960,122.49 | 4.95 |
| E12103-E12101 | 10 | 355 | 0.006 | 29.6 | 226,159.26 | 1.87 | 409 | 407 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,256,074.30 | 3.89 |
| G13047-G13045 | 8 | 142 | 0.007 | 21.6 | 79,503.84 | 1.87 | 397 | 396 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 774,539.61 | 3.99 |
| G12085-G12003 | 12 | 297 | 0.005 | 26.4 | 208,630.96 | 1.87 | 373.5 | 372 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,933,890.60 | 3.74 |
| J09013-J09011 | 15 | 308 | 0.006 | 19.4 | 319,940.61 | 1.87 | 390 | 388 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,975,857.76 | 5.13 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| J14049-J15007 | 8 | 198 | 0.005 | 34.1 | 163,550.52 | 1.87 | 330 | 329 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 655,926.55 | 3.38 |
| D06063-D06061 | 8 | 249 | 0.012 | 16 | 51,189.99 | 1.87 | 564 | 561 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,013,091.71 | 5.22 |
| D05033-D05031 | 8 | 332 | 0.021 | 10.5 | 25,526.37 | 1.87 | 574 | 567 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,340,194.36 | 6.91 |
| D09063-D09033 | 8 | 256 | 0.008 | 31.7 | 62,628.88 | 1.87 | 446 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 815,798.35 | 4.21 |
| E02005-E02003 | 10 | 228 | 0.005 | 30 | 202,803.95 | 1.87 | 564.55 | 563.44 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,167,638.95 | 3.61 |
| E10067-E10065 | 8 | 154 | 0.006 | 24.2 | 84,486.13 | 1.88 | 427 | 426 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 743,750.80 | 3.84 |
| G13031-G13029 | 8 | 268 | 0.007 | 21.8 | 82,467.25 | 1.88 | 391 | 389 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 797,325.05 | 4.11 |
| F19059-F19057 | 8 | 250 | 0.124 | 3 | 3,554.50 | 1.88 | 651.22 | 620.29 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,246,442.86 | 16.74 |
| G12091-G12089 | 12 | 212 | 0.005 | 23.6 | 208,102.67 | 1.88 | 377 | 376 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,868,945.20 | 3.61 |
| G12087-G12085 | 12 | 301 | 0.005 | 22.3 | 208,826.33 | 1.88 | 375 | 373.5 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,920,997.85 | 3.72 |
| E04091-E04089 | 8 | 261 | 0.011 | 18.4 | 66,826.92 | 1.88 | 565 | 562 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 989,528.21 | 5.10 |
| F14065-F14063 | 10 | 245 | 0.016 | 12.2 | 54,770.21 | 1.88 | 433 | 429 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,138,264.68 | 6.62 |
| F20028-F20026 | 8 | 302.6 | 0.054 | 5 | 10,183.72 | 1.89 | 675.45 | 658.53 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,135,720.64 | 11.01 |
| D06115-D06113 | 8 | 282 | 0.014 | 13.6 | 40,968.15 | 1.89 | 540 | 536 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,099,241.84 | 5.67 |
| F12015-F12013 | 12 | 219 | 0.01 | 13.4 | 87,220.59 | 1.89 | 395.24 | 393 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,752,114.19 | 5.32 |
| D06069-D06067 | 8 | 241 | 0.017 | 12.2 | 34,910.95 | 1.89 | 575 | 571 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,189,075.09 | 6.13 |
| G12093-G12091 | 12 | 214 | 0.005 | 22.6 | 208,180.08 | 1.89 | 378 | 377 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,860,191.31 | 3.60 |
| C11017-C10019 | 8 | 243 | 0.025 | 17 | 17,604.59 | 1.89 | 501 | 495 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,450,308.18 | 7.48 |
| D06139-D06137 | 8 | 270 | 0.015 | 13.3 | 37,991.31 | 1.89 | 524 | 520 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,123,403.88 | 5.79 |
| J09015-J09013 | 15 | 306 | 0.007 | 19.2 | 320,526.45 | 1.89 | 392 | 390 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,988,829.60 | 5.14 |
| D16013-D16011 | 15 | 194 | 0.01 | 13.7 | 146,158.33 | 1.89 | 491 | 489 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,009,626.32 | 6.46 |
| D14083-D14043 | 12 | 77 | 0.013 | 13.1 | 72,062.11 | 1.9 | 445 | 444 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,101,124.02 | 6.00 |
| E13065-E13063 | 10 | 369 | 0.005 | 28.2 | 214,091.34 | 1.9 | 418 | 416 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,232,015.93 | 3.81 |
| K11033-K11031 | 18 | 275 | 0.002 | 29.6 | 627,954.34 | 1.9 | 349 | 348.5 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 3,421,053.33 | 2.94 |
| E13061-E13059 | 10 | 349 | 0.006 | 28 | 216,381.71 | 1.9 | 414 | 412 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,266,825.49 | 3.92 |
| D04001-D05055 | 8 | 343 | 0.026 | 15 | 26,682.61 | 1.9 | 593 | 584 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,495,071.63 | 7.71 |
| J10005-J10003 | 15 | 313 | 0.006 | 20.8 | 347,206.61 | 1.9 | 378 | 376 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,943,973.87 | 5.09 |
| D09067-D09065 | 10 | 339 | 0.003 | 36.4 | 256,385.37 | 1.9 | 438 | 437 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 908,896.98 | 2.81 |
| D07113-D08037 | 8 | 137 | 0.007 | 27.1 | 99,747.08 | 1.9 | 475 | 474 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 788,546.89 | 4.07 |
| G08013-G08011 | 8 | 264 | 0.011 | 17.9 | 55,275.84 | 1.9 | 437 | 434 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 983,889.83 | 5.07 |
| E13063-E13061 | 10 | 355 | 0.006 | 28 | 215,422.53 | 1.9 | 416 | 414 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,256,074.30 | 3.89 |
| D12033-D12031 | 10 | 164 | 0.006 | 22.6 | 138,714.17 | 1.9 | 436 | 435 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,306,750.23 | 4.04 |
| G12007-G12005 | 15 | 449 | 0.006 | 16.7 | 222,307.43 | 1.9 | 379.48 | 377 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,666,856.12 | 4.73 |
| C05027-C06099 | 8 | 347 | 0.072 | 3.4 | 5,298.72 | 1.91 | 671 | 646 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,477,382.55 | 12.78 |
| C06009-C06007 | 8 | 330 | 0.027 | 8.2 | 19,890.54 | 1.91 | 561 | 552 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,524,235.57 | 7.86 |
| G13105-G13095 | 8 | 76 | 0.013 | 20.4 | 41,289.71 | 1.91 | 390 | 389 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,058,719.74 | 5.46 |
| C05003-C05001 | 8 | 193 | 0.054 | 5 | 8,547.13 | 1.91 | 607.92 | 597.45 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,149,722.95 | 11.09 |
| J09017-J09015 | 15 | 307 | 0.007 | 19.2 | 321,107.93 | 1.91 | 394 | 392 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,982,327.84 | 5.13 |
| D06015-D06013 | 8 | 65 | 0.031 | 18.1 | 18,152.59 | 1.91 | 536 | 534 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,618,997.31 | 8.35 |
| E12013-E12011 | 8 | 41 | 0.024 | 38.6 | 30,751.98 | 1.91 | 414 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,441,437.71 | 7.43 |
| E06025-E07045 | 10 | 262 | 0.004 | 35.3 | 250,862.33 | 1.91 | 489 | 488 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,033,865.07 | 3.20 |
| E14059-E13031 | 10 | 271 | 0.004 | 45.3 | 429,511.04 | 1.91 | 435 | 434 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,016,552.62 | 3.15 |
| D05031-D05001 | 8 | 346 | 0.017 | 16.5 | 33,496.85 | 1.91 | 567 | 561 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,215,417.21 | 6.27 |
| G13029-G12035 | 8 | 256 | 0.008 | 24.9 | 85,327.95 | 1.91 | 389 | 387 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 815,798.35 | 4.21 |
| D07143-E07029 | 12 | 408 | 0.009 | 15 | 85,919.73 | 1.91 | 501 | 497.3 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,591,404.92 | 5.01 |
| J09009-J09007 | 15 | 308 | 0.006 | 19.6 | 334,211.67 | 1.91 | 386 | 384 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,975,857.76 | 5.13 |
| D05021-D05019 | 8 | 40 | 0.05 | 5.9 | 9,900.87 | 1.92 | 585 | 583 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,063,824.72 | 10.64 |
| G08079-G08073 | 12 | 294 | 0.003 | 48.2 | 659,603.93 | 1.92 | 444.78 | 444 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,401,645.33 | 2.71 |
| F13041-F13039 | 12 | 87 | 0.016 | 10.1 | 55,975.89 | 1.92 | 405.48 | 404.08 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,451,984.92 | 6.68 |
| D06113-D06111 | 8 | 288 | 0.014 | 13.9 | 45,418.99 | 1.92 | 536 | 532 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,087,731.13 | 5.61 |
| D05069-D05067 | 8 | 341 | 0.018 | 12.4 | 39,936.26 | 1.92 | 606 | 600 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,224,295.47 | 6.31 |
| D06117-D06115 | 8 | 285 | 0.018 | 12.3 | 33,154.27 | 1.92 | 545 | 540 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,222,504.25 | 6.30 |
| J10001-K10007 | 15 | 311 | 0.006 | 21.5 | 399,275.80 | 1.92 | 374 | 372 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,956,635.13 | 5.10 |
| D04003-D04001 | 8 | 352 | 0.028 | 9 | 24,866.27 | 1.92 | 603 | 593 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,555,666.41 | 8.02 |
| F12081-F12069 | 21 | 309 | 0.002 | 41.1 | 1,460,310.61 | 1.93 | 396 | 395.36 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 5,507,781.57 | 3.55 |
| J10003-J10001 | 15 | 319 | 0.006 | 21.6 | 399,327.19 | 1.93 | 376 | 374 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,906,707.13 | 5.04 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| K10001-K11017 | 15 | 150 | 0.007 | 24.6 | 406,331.99 | 1.93 | 366 | 365 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,028,520.42 | 5.19 |
| C05001-C06053 | 8 | 207 | 0.046 | 7.5 | 11,362.79 | 1.93 | 597.45 | 588 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,972,052.80 | 10.17 |
| H10035-H10033 | 12 | 410 | 0.007 | 18.7 | 177,825.73 | 1.93 | 402 | 399 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,327,733.18 | 4.50 |
| F16017-F16015 | 12 | 143 | 0.007 | 22.8 | 259,238.59 | 1.93 | 484 | 483 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,275,602.90 | 4.40 |
| F08109-F08107 | 12 | 319 | 0.004 | 40.9 | 373,103.95 | 1.93 | 453 | 451.7 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,737,164.05 | 3.36 |
| F03139-F03137 | 15 | 294 | 0.003 | 27.8 | 486,505.96 | 1.93 | 528 | 527 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,877,514.59 | 3.71 |
| E04077-E04075 | 8 | 403 | 0.007 | 26.6 | 123,017.04 | 1.93 | 557 | 554 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 796,335.20 | 4.11 |
| F19005-F19003 | 8 | 35 | 0.014 | 15.4 | 56,691.12 | 1.93 | 554.5 | 554 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,103,160.71 | 5.69 |
| J12017-J12015 | 8 | 323 | 0.014 | 34.3 | 54,774.58 | 1.93 | 364 | 359.38 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,103,843.57 | 5.69 |
| E12101-E12095 | 10 | 355 | 0.006 | 30.4 | 252,768.99 | 1.94 | 407 | 405 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,256,074.30 | 3.89 |
| E13073-E13071 | 8 | 92 | 0.011 | 23.2 | 90,391.69 | 1.94 | 425 | 424 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 962,263.24 | 4.96 |
| J09001-J10005 | 15 | 302 | 0.007 | 20 | 347,903.50 | 1.94 | 380 | 378 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,015,158.79 | 5.18 |
| J09011-J09009 | 15 | 307 | 0.007 | 19.6 | 334,852.74 | 1.94 | 388 | 386 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,982,327.84 | 5.13 |
| F17027-F17005 | 12 | 396 | 0.01 | 18.6 | 163,207.64 | 1.94 | 512 | 508 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,734,934.32 | 5.29 |
| E04089-E04085 | 8 | 275 | 0.011 | 21.1 | 77,681.77 | 1.94 | 562 | 559 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 964,011.22 | 4.97 |
| F10021-F10019 | 24 | 75 | 0.003 | 27.4 | 1,222,368.44 | 1.94 | 415.2 | 415 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 8,922,684.14 | 4.45 |
| F10077-F10075 | 8 | 251 | 0.004 | 37.4 | 173,200.33 | 1.94 | 408 | 407 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 582,573.80 | 3.00 |
| E12105-E12103 | 10 | 327 | 0.006 | 28.4 | 225,162.14 | 1.94 | 411 | 409 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,308,746.79 | 4.05 |
| G13039-G13037 | 8 | 122 | 0.008 | 23 | 79,206.65 | 1.94 | 393 | 392 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 835,618.20 | 4.31 |
| H14003-H14001 | 8 | 249 | 0.012 | 16 | 53,364.40 | 1.94 | 358 | 355 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,013,091.71 | 5.22 |
| D10077-D10075 | 8 | 101 | 0.01 | 23.5 | 58,870.29 | 1.94 | 457 | 456 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 918,389.95 | 4.74 |
| D09053-D09051 | 8 | 19 | 0.074 | 3.5 | 5,296.33 | 1.94 | 468.8 | 467.4 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,505,388.18 | 12.92 |
| F19049-F19047 | 8 | 40 | 0.052 | 8.1 | 11,868.56 | 1.94 | 573 | 570.85 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,113,562.57 | 10.90 |
| C11019-C11017 | 8 | 252 | 0.048 | 6.3 | 8,827.22 | 1.94 | 513 | 501 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,014,086.69 | 10.39 |
| G15047-G15045 | 8 | 216 | 0.079 | 3.5 | 4,456.39 | 1.95 | 500 | 483 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,589,318.01 | 13.35 |
| F03081-F04151 | 15 | 262 | 0.004 | 29.7 | 487,634.04 | 1.95 | 523 | 522 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,048,179.61 | 3.93 |
| L14021-L14019 | 12 | 241 | 0.003 | 68 | 1,015,171.18 | 1.95 | 308.7 | 308 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,466,577.43 | 2.84 |
| E13059-E12105 | 10 | 163 | 0.006 | 28 | 224,068.09 | 1.95 | 412 | 411 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,310,752.54 | 4.06 |
| F18033-F18031 | 12 | 184 | 0.011 | 13.1 | 103,051.59 | 1.95 | 546 | 544 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,837,073.48 | 5.49 |
| E11123-E11121 | 8 | 259 | 0.035 | 8.3 | 19,490.84 | 1.95 | 430 | 421 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,720,517.84 | 8.87 |
| D14047-D14045 | 8 | 92 | 0.022 | 12 | 35,377.77 | 1.95 | 449 | 447 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,360,845.72 | 7.02 |
| L13147-L13015 | 12 | 342 | 0.003 | 100 | 2,337,803.55 | 1.95 | 323 | 322 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,471,470.11 | 2.85 |
| E15039-E15037 | 8 | 50 | 0.01 | 24.5 | 114,649.06 | 1.95 | 455.5 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 922,970.47 | 4.76 |
| D13041-D13039 | 10 | 125 | 0.008 | 20.9 | 143,752.56 | 1.95 | 440 | 439 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,496,785.28 | 4.63 |
| K11037-K11035 | 8 | 305 | 0.018 | 35.8 | 32,239.60 | 1.95 | 355 | 349.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,239,422.09 | 6.39 |
| G15039-G15037 | 8 | 325 | 0.037 | 100 | 11,413.74 | 1.96 | 422 | 410 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,773,522.69 | 9.15 |
| D06067-D06065 | 8 | 244 | 0.016 | 13.7 | 40,385.16 | 1.96 | 571 | 567 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,181,742.60 | 6.09 |
| F03083-F03081 | 15 | 264 | 0.004 | 27.1 | 487,403.86 | 1.96 | 524 | 523 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,036,611.52 | 3.92 |
| F10067-F10065 | 12 | 125 | 0.002 | 51.3 | 616,517.22 | 1.96 | 401 | 400.75 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,216,968.94 | 2.35 |
| F03141-F03139 | 15 | 291 | 0.003 | 27.8 | 486,823.70 | 1.96 | 529 | 528 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,892,309.11 | 3.73 |
| F03085-F03083 | 15 | 270 | 0.004 | 27.2 | 487,141.02 | 1.96 | 525 | 524 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,002,681.84 | 3.87 |
| H14005-H14003 | 8 | 250 | 0.012 | 15.7 | 54,089.58 | 1.96 | 361 | 358 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,011,063.49 | 5.21 |
| E15051-E15049 | 8 | 363 | 0.011 | 24.2 | 99,923.42 | 1.96 | 465 | 461.09 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 957,905.96 | 4.94 |
| E13017-E13015 | 8 | 313 | 0.003 | 100 | 604,994.58 | 1.96 | 423 | 422 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 521,693.76 | 2.69 |
| G09021-G09019 | 8 | 262 | 0.004 | 47 | 255,985.90 | 1.96 | 416 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 570,213.06 | 2.94 |
| C06027-C06019 | 8 | 250 | 0.024 | 11.7 | 25,535.22 | 1.96 | 556 | 550 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,429,859.71 | 7.37 |
| F20026-F20024 | 8 | 309.2 | 0.064 | 4.8 | 10,165.46 | 1.96 | 658.53 | 639.08 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,334,591.06 | 12.04 |
| C10019-C10017 | 8 | 163 | 0.006 | 26.1 | 108,222.59 | 1.96 | 495 | 494 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 722,926.27 | 3.73 |
| E05013-E06083 | 10 | 333 | 0.012 | 13.7 | 66,420.57 | 1.96 | 512 | 508 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,834,097.37 | 5.68 |
| F09089-F09087 | 8 | 275 | 0.011 | 19.8 | 66,087.56 | 1.96 | 430 | 427 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 964,011.22 | 4.97 |
| F03143-F03141 | 15 | 295 | 0.003 | 27.9 | 487,627.80 | 1.97 | 530 | 529 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,872,633.31 | 3.70 |
| J14085-J14051 | 8 | 267 | 0.007 | 31.5 | 120,359.34 | 1.97 | 333 | 331 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 798,816.77 | 4.12 |
| C10009-C10007 | 8 | 232 | 0.017 | 13 | 29,065.61 | 1.97 | 469 | 465 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,211,919.60 | 6.25 |
| D04091-D04081 | 8 | 361 | 0.014 | 16.3 | 60,716.83 | 1.97 | 591 | 586 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,086,223.54 | 5.60 |
| J08003-J08001 | 15 | 300 | 0.007 | 19.5 | 322,354.35 | 1.97 | 398 | 396 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,028,520.42 | 5.19 |
| G04085-G04083 | 12 | 338 | 0.006 | 24.3 | 239,736.34 | 1.97 | 492 | 490 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,093,250.22 | 4.05 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| E16013-E15055 | 8 | 327 | 0.012 | 20 | 87,777.10 | 1.97 | 476 | 472.12 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,005,378.96 | 5.19 |
| J12089-J12001 | 18 | 207 | 0.014 | 7.8 | 119,435.08 | 1.97 | 358 | 355 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 9,658,654.77 | 8.30 |
| G02011-G02009 | 8 | 267 | 0.016 | 15.4 | 47,360.87 | 1.97 | 520.97 | 516.58 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,183,489.57 | 6.10 |
| F18025-F18011 | 12 | 279 | 0.011 | 17.1 | 114,575.57 | 1.97 | 535 | 532 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,821,779.17 | 5.46 |
| E09073-E09069 | 15 | 265 | 0.002 | 53.2 | 1,189,015.35 | 1.98 | 422.5 | 422 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,143,153.43 | 2.76 |
| D04105-D04103 | 8 | 381 | 0.026 | 10.7 | 30,232.59 | 1.98 | 616 | 606 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,495,289.62 | 7.71 |
| K15021-K15019 | 10 | 369 | 0.004 | 31.9 | 210,611.55 | 1.98 | 314 | 312.39 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,105,386.77 | 3.42 |
| L14041-L14021 | 12 | 89 | 0.003 | 59.3 | 991,886.81 | 1.98 | 309 | 308.7 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,579,901.90 | 3.06 |
| E15055-E15053 | 8 | 337 | 0.012 | 20.7 | 88,878.35 | 1.98 | 472.12 | 468 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,020,519.87 | 5.26 |
| G14045-G14043 | 8 | 318 | 0.009 | 22.4 | 89,152.94 | 1.98 | 401 | 398 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 896,468.17 | 4.62 |
| H07005-H07003 | 15 | 547 | 0.007 | 17.3 | 274,944.15 | 1.98 | 427 | 423 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,219,174.93 | 5.44 |
| E02001-E03249 | 10 | 155 | 0.005 | 33.8 | 256,147.39 | 1.98 | 562.83 | 562.12 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,132,603.33 | 3.50 |
| F10053-F10051 | 8 | 105 | 0.029 | 48.4 | 19,198.85 | 1.98 | 403 | 400 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,560,104.84 | 8.05 |
| F08099-F08097 | 12 | 265 | 0.003 | 43.4 | 584,646.32 | 1.98 | 449.8 | 449 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,495,156.16 | 2.89 |
| H14007-H14005 | 8 | 248 | 0.012 | 15.8 | 54,817.72 | 1.98 | 364 | 361 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,015,132.18 | 5.24 |
| H09003-H10035 | 12 | 393 | 0.008 | 18.6 | 179,010.90 | 1.98 | 405 | 402 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,377,545.57 | 4.60 |
| F11043-F11041 | 8 | 342 | 0.009 | 19.5 | 71,793.75 | 1.98 | 392 | 389 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 864,441.05 | 4.46 |
| D11021-D11019 | 8 | 148 | 0.007 | 24.4 | 98,537.00 | 1.98 | 465 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 758,677.05 | 3.91 |
| D10043-D10037 | 8 | 204 | 0.015 | 14.8 | 38,396.11 | 1.99 | 458 | 455 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,119,266.10 | 5.77 |
| D06031-D06029 | 8 | 257 | 0.019 | 16 | 33,866.21 | 1.99 | 549 | 544 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,287,378.49 | 6.64 |
| D09023-D09021 | 8 | 309 | 0.01 | 30.3 | 65,825.09 | 1.99 | 452 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 909,429.83 | 4.69 |
| E07019-E07017 | 12 | 250 | 0.012 | 11.2 | 72,687.72 | 1.99 | 487 | 484 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,980,952.95 | 5.77 |
| C06019-C06017 | 8 | 207 | 0.014 | 14.1 | 47,954.17 | 1.99 | 550 | 547 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,111,125.88 | 5.73 |
| H14009-H14007 | 8 | 248 | 0.012 | 15.8 | 55,027.83 | 2 | 367 | 364 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,015,132.18 | 5.24 |
| F05041-F05039 | 10 | 306 | 0.013 | 38.4 | 100,958.06 | 2 | 505 | 501 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,913,303.17 | 5.92 |
| E07049-E07047 | 8 | 279 | 0.004 | 53.3 | 307,508.52 | 2 | 490 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 552,567.97 | 2.85 |
| F05111-F05109 | 15 | 238 | 0.004 | 28.1 | 551,548.36 | 2 | 508 | 507 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,198,178.66 | 4.12 |
| E07007-E07005 | 12 | 159 | 0.013 | 21.4 | 75,772.08 | 2 | 476 | 474 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,051,974.73 | 5.90 |
| F04005-F04003 | 8 | 252 | 0.024 | 12.8 | 31,394.25 | 2 | 512 | 506 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,424,174.36 | 7.35 |
| G10027-H10027 | 8 | 149 | 0.007 | 31.7 | 112,773.88 | 2 | 398 | 397 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 756,126.87 | 3.90 |
| D06137-D06135 | 8 | 275 | 0.015 | 14.5 | 47,042.78 | 2 | 520 | 516 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,113,144.27 | 5.74 |
| E02009-E02007 | 8 | 357 | 0.005 | 37 | 191,522.23 | 2 | 567.56 | 565.61 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 682,136.05 | 3.52 |
| E15047-E15045 | 8 | 274 | 0.011 | 25.4 | 106,565.52 | 2 | 461.01 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 967,377.04 | 4.99 |
| D05071-D05069 | 8 | 342 | 0.023 | 11.5 | 33,437.92 | 2.01 | 614 | 606 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,411,626.32 | 7.28 |
| F10023-F10021 | 24 | 34 | 0.003 | 24.7 | 1,222,510.13 | 2.01 | 415.3 | 415.2 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 9,370,692.67 | 4.68 |
| E12025-E12011 | 10 | 330 | 0.003 | 100 | 763,595.85 | 2.01 | 414 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 508,078.52 | 2.62 |
| D04077-D04075 | 8 | 272 | 0.011 | 62.9 | 87,089.18 | 2.01 | 578 | 575 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 969,312.88 | 5.00 |
| E06023-E06007 | 8 | 279 | 0.011 | 26.3 | 69,973.92 | 2.02 | 513 | 510 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 957,075.80 | 4.94 |
| C05011-D05071 | 8 | 280 | 0.029 | 9.8 | 26,193.79 | 2.02 | 622 | 614 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,560,104.84 | 8.05 |
| D16019-D16017 | 15 | 158 | 0.016 | 9.8 | 122,299.55 | 2.02 | 495.46 | 493 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 6,156,447.91 | 7.94 |
| H05025-H05017 | 8 | 264 | 0.019 | 23.6 | 104,736.87 | 2.02 | 462 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,270,196.31 | 6.55 |
| F05113-F05111 | 15 | 234 | 0.004 | 28 | 551,473.74 | 2.02 | 509 | 508 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,225,397.69 | 4.16 |
| D09073-D09071 | 10 | 322 | 0.006 | 21 | 127,502.96 | 2.02 | 448 | 446 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,318,868.73 | 4.08 |
| E15017-E15015 | 15 | 331 | 0.009 | 15 | 228,969.65 | 2.03 | 472 | 469 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,697,186.78 | 6.06 |
| J09007-J09005 | 15 | 275 | 0.007 | 42.8 | 343,968.94 | 2.03 | 384 | 382 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,207,652.35 | 5.43 |
| E03245-E03243 | 10 | 116 | 0.005 | 31.1 | 254,623.63 | 2.03 | 560.68 | 560.07 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,213,529.76 | 3.76 |
| F10075-F10073 | 8 | 215 | 0.005 | 47.4 | 173,079.38 | 2.03 | 407 | 406 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 629,460.64 | 3.25 |
| E16021-E16015 | 8 | 143 | 0.014 | 20.7 | 78,231.11 | 2.03 | 480 | 478 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,091,527.76 | 5.63 |
| H07007-H07005 | 15 | 532 | 0.008 | 17.2 | 275,597.11 | 2.03 | 431 | 427 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,278,242.31 | 5.52 |
| F10099-F10097 | 8 | 182 | 0.016 | 12.7 | 33,787.90 | 2.03 | 407 | 404 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,184,984.69 | 6.11 |
| K13069-K13001 | 12 | 300 | 0.003 | 100 | 2,524,835.23 | 2.03 | 320 | 319 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,571,100.15 | 3.04 |
| E12095-E12003 | 10 | 309 | 0.006 | 46.5 | 259,262.47 | 2.03 | 405 | 403 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,346,326.10 | 4.17 |
| J09003-J09001 | 15 | 266 | 0.008 | 19.5 | 342,510.98 | 2.03 | 382.06 | 380 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,341,941.73 | 5.60 |
| F07019-F07017 | 8 | 40 | 0.025 | 14.4 | 40,411.45 | 2.03 | 454 | 453 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,459,344.45 | 7.53 |
| H10031-H10013 | 12 | 397 | 0.009 | 21.3 | 179,596.94 | 2.04 | 395 | 391.5 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,555,072.73 | 4.94 |
| F09047-F09045 | 18 | 424 | 0.002 | 36.2 | 1,093,374.01 | 2.04 | 428 | 427 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 3,896,352.68 | 3.35 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| D10089-D10075 | 8 | 308 | 0.006 | 27.9 | 109,098.80 | 2.04 | 458 | 456 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 743,750.80 | 3.84 |
| D14113-D14085 | 8 | 251 | 0.026 | 12.8 | 37,675.80 | 2.04 | 457.48 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,482,990.77 | 7.65 |
| F09049-F09047 | 18 | 440 | 0.002 | 36.6 | 1,093,541.90 | 2.04 | 429 | 428 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 3,824,853.90 | 3.29 |
| E16003-E16001 | 15 | 325 | 0.009 | 15.5 | 220,670.63 | 2.04 | 477 | 474 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,740,347.14 | 6.11 |
| D05007-D05005 | 8 | 58 | 0.017 | 12.9 | 43,036.93 | 2.04 | 571 | 570 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,211,919.60 | 6.25 |
| K13071-K13069 | 12 | 302 | 0.003 | 100 | 2,567,011.36 | 2.04 | 321 | 320 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,565,889.19 | 3.03 |
| F12075-F12073 | 15 | 251 | 0.004 | 33.8 | 767,055.72 | 2.04 | 400 | 399 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,114,256.21 | 4.02 |
| E08057-E08049 | 15 | 331 | 0.006 | 18.5 | 224,548.11 | 2.04 | 464 | 462 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,835,236.95 | 4.94 |
| D10091-D10089 | 8 | 140 | 0.007 | 24.8 | 96,946.52 | 2.04 | 459 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 780,052.42 | 4.02 |
| E07091-E07089 | 8 | 246 | 0.016 | 14.5 | 42,448.89 | 2.04 | 476 | 472 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,176,928.96 | 6.07 |
| F12073-F12071 | 15 | 246 | 0.004 | 33.7 | 767,808.09 | 2.04 | 399 | 398 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,145,745.95 | 4.06 |
| E02013-E02011 | 8 | 224 | 0.006 | 35.7 | 189,337.36 | 2.04 | 570.27 | 569 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 694,969.36 | 3.58 |
| D09075-D09073 | 8 | 382 | 0.008 | 24.2 | 87,430.65 | 2.04 | 451 | 448 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 817,931.16 | 4.22 |
| G14067-G14065 | 8 | 334 | 0.019 | 14.1 | 54,765.43 | 2.05 | 415.48 | 409 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,285,588.79 | 6.63 |
| F17001-F16035 | 12 | 249 | 0.012 | 16.3 | 172,458.56 | 2.05 | 506 | 503 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,986,932.80 | 5.78 |
| F18029-F18027 | 12 | 249 | 0.012 | 13.2 | 111,968.71 | 2.05 | 541 | 538 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,986,932.80 | 5.78 |
| E04097-E04071 | 10 | 273 | 0.011 | 23.7 | 119,106.44 | 2.05 | 548 | 545 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,754,259.40 | 5.43 |
| H10053-H10051 | 15 | 378 | 0.005 | 22.1 | 322,781.77 | 2.05 | 386 | 384 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,588,891.24 | 4.63 |
| G12049-G12047 | 8 | 221 | 0.009 | 23.7 | 99,142.32 | 2.05 | 385 | 383 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 878,024.57 | 4.53 |
| G04081-G05099 | 12 | 286 | 0.007 | 24.1 | 241,825.40 | 2.06 | 489 | 487 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,275,602.90 | 4.40 |
| D17017-D17015 | 15 | 285 | 0.018 | 9.1 | 111,602.73 | 2.06 | 504 | 499 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 6,535,123.08 | 8.43 |
| G13091-G13089 | 10 | 167 | 0.006 | 26 | 173,628.88 | 2.06 | 386 | 385 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,294,959.76 | 4.01 |
| F16021-F16019 | 12 | 231 | 0.009 | 21.2 | 248,387.45 | 2.06 | 487 | 485 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,532,057.16 | 4.90 |
| F12077-F12075 | 15 | 250 | 0.004 | 33.8 | 766,697.45 | 2.06 | 401 | 400 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,120,478.50 | 4.02 |
| E04071-E04069 | 10 | 337 | 0.006 | 29.7 | 247,473.86 | 2.06 | 545 | 543 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,289,182.96 | 3.99 |
| D06013-D06011 | 8 | 286 | 0.007 | 28.6 | 138,398.35 | 2.06 | 534 | 532 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 771,826.68 | 3.98 |
| G05101-G05099 | 8 | 288 | 0.014 | 28.3 | 71,128.78 | 2.06 | 491 | 487 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,087,731.13 | 5.61 |
| F05109-F05105 | 15 | 224 | 0.004 | 28 | 566,219.26 | 2.06 | 507 | 506 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,296,607.10 | 4.25 |
| G13045-G13043 | 8 | 211 | 0.009 | 20.1 | 79,407.58 | 2.06 | 396 | 394 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 898,589.99 | 4.63 |
| J15005-J15003 | 12 | 235 | 0.004 | 32.7 | 328,587.67 | 2.07 | 328 | 327 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,775,131.65 | 3.43 |
| F18031-F18029 | 12 | 245 | 0.012 | 13.2 | 110,868.00 | 2.07 | 544 | 541 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,011,217.21 | 5.82 |
| F12079-F12077 | 15 | 250 | 0.004 | 33.8 | 766,338.80 | 2.07 | 402 | 401 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,120,478.50 | 4.02 |
| F18027-F18025 | 12 | 240 | 0.013 | 13.5 | 113,467.68 | 2.07 | 538 | 535 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,042,422.36 | 5.88 |
| E16023-E16021 | 8 | 248 | 0.02 | 16.2 | 58,019.94 | 2.07 | 485 | 480 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,310,530.01 | 6.76 |
| D04095-D04093 | 8 | 55 | 0.018 | 15.5 | 52,975.67 | 2.07 | 593 | 592 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,244,533.13 | 6.42 |
| D14117-D14115 | 8 | 348 | 0.026 | 11.4 | 37,360.71 | 2.07 | 471 | 462 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,484,292.32 | 7.66 |
| E07083-E08073 | 8 | 335 | 0.012 | 18 | 71,455.54 | 2.07 | 469 | 465 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,008,545.28 | 5.20 |
| D13079-D13077 | 8 | 161 | 0.031 | 9.9 | 28,710.27 | 2.08 | 440 | 435 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,626,521.74 | 8.39 |
| D02001-D03083 | 8 | 346 | 0.014 | 18.6 | 84,256.94 | 2.08 | 625 | 620 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,109,519.04 | 5.72 |
| J08013-J08011 | 15 | 512 | 0.008 | 17.8 | 300,484.84 | 2.08 | 415 | 411 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,361,001.28 | 5.62 |
| H07001-J08013 | 15 | 498 | 0.008 | 17.6 | 291,499.35 | 2.08 | 419 | 415 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,421,875.63 | 5.70 |
| E12005-E12003 | 15 | 355 | 0.003 | 44.9 | 1,084,723.41 | 2.09 | 404 | 403 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,618,647.39 | 3.38 |
| D13105-D13099 | 8 | 197 | 0.223 | 3.9 | 2,780.07 | 2.09 | 501 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 4,361,953.51 | 22.50 |
| L14043-L14041 | 12 | 259 | 0.004 | 56.5 | 1,008,556.15 | 2.09 | 310 | 309 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,690,887.12 | 3.27 |
| H07003-H07001 | 15 | 473 | 0.008 | 17.1 | 280,821.89 | 2.09 | 423 | 419 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,537,228.22 | 5.85 |
| D06009-D06007 | 8 | 282 | 0.007 | 29.5 | 146,555.01 | 2.09 | 528 | 526 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 777,281.36 | 4.01 |
| H12011-H12009 | 15 | 453 | 0.004 | 26.9 | 441,445.46 | 2.09 | 368 | 366 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,278,363.43 | 4.23 |
| G13087-G13085 | 10 | 46 | 0.007 | 24.2 | 173,613.09 | 2.09 | 384.3 | 384 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,351,438.29 | 4.18 |
| F13061-F13059 | 15 | 255 | 0.004 | 33.9 | 764,379.65 | 2.09 | 406 | 405 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,089,734.12 | 3.98 |
| L13015-K13071 | 12 | 286 | 0.003 | 100 | 2,606,661.89 | 2.09 | 322 | 321 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,609,094.24 | 3.11 |
| F19003-F19001 | 8 | 250 | 0.017 | 19.2 | 58,273.04 | 2.09 | 554 | 549.64 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,214,033.81 | 6.26 |
| F02099-F02098 | 8 | 262 | 0.006 | 36.3 | 181,263.85 | 2.09 | 534.63 | 533 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 727,999.30 | 3.75 |
| E09005-F09049 | 18 | 423 | 0.002 | 36.4 | 1,092,550.15 | 2.09 | 430 | 429 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 3,900,955.58 | 3.35 |
| F13059-F13057 | 15 | 250 | 0.004 | 33.7 | 765,122.77 | 2.09 | 405 | 404 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,120,478.50 | 4.02 |
| D10093-D10091 | 8 | 232 | 0.009 | 22.4 | 82,549.91 | 2.09 | 461 | 459 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 856,956.57 | 4.42 |
| F18003-F18001 | 12 | 79 | 0.013 | 16.6 | 135,292.98 | 2.09 | 529 | 528 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,061,617.65 | 5.92 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| E09007-E09005 | 18 | 438 | 0.002 | 36.5 | 1,092,338.04 | 2.09 | 431 | 430 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 3,833,576.50 | 3.30 |
| J08011-J08009 | 15 | 360 | 0.008 | 17.5 | 299,713.31 | 2.1 | 411 | 408 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,504,022.76 | 5.81 |
| G05099-G05097 | 12 | 345 | 0.006 | 26.2 | 311,958.00 | 2.1 | 487 | 485 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,071,905.52 | 4.01 |
| D05101-E05011 | 8 | 284 | 0.014 | 15.8 | 59,469.98 | 2.1 | 534 | 530 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,095,364.43 | 5.65 |
| G09027-G09025 | 8 | 19 | 0.005 | 41.9 | 222,175.24 | 2.1 | 419 | 418.9 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 669,593.16 | 3.45 |
| C06097-C06095 | 8 | 227 | 0.084 | 3.7 | 6,717.16 | 2.1 | 611 | 592 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,670,248.50 | 13.77 |
| K11035-K11033 | 18 | 207 | 0.002 | 28 | 625,534.38 | 2.1 | 349.5 | 349 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 3,943,129.30 | 3.39 |
| F14059-F14057 | 15 | 305 | 0.01 | 16.3 | 248,430.34 | 2.11 | 432 | 429 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,893,300.73 | 6.31 |
| F03157-F03155 | 12 | 155 | 0.006 | 24 | 275,102.81 | 2.11 | 541 | 540 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,185,740.75 | 4.23 |
| F06071-F06067 | 8 | 61 | 0.029 | 13.8 | 34,048.81 | 2.11 | 487.75 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,563,298.51 | 8.06 |
| G13055-G13047 | 8 | 302 | 0.013 | 18.6 | 55,270.11 | 2.11 | 401 | 397 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,062,219.65 | 5.48 |
| F13063-F13061 | 15 | 253 | 0.004 | 33.9 | 764,031.40 | 2.11 | 407 | 406 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,101,922.47 | 4.00 |
| J15009-J15007 | 12 | 131 | 0.008 | 19.8 | 165,657.30 | 2.11 | 330 | 329 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,377,545.57 | 4.60 |
| F08103-F08101 | 12 | 278 | 0.004 | 41.2 | 580,411.70 | 2.11 | 451 | 450 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,632,082.47 | 3.16 |
| E13015-D13033 | 8 | 250 | 0.004 | 90.8 | 607,663.95 | 2.11 | 422 | 421 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 583,737.78 | 3.01 |
| D13033-D12009 | 10 | 255 | 0.004 | 73.3 | 663,272.91 | 2.12 | 421 | 420 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,047,959.31 | 3.24 |
| D03029-D03017 | 8 | 86 | 0.035 | 10.6 | 27,501.94 | 2.12 | 604 | 601 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,723,848.95 | 8.89 |
| F02155-F02100 | 8 | 300 | 0.006 | 34.2 | 181,978.66 | 2.12 | 539.1 | 537.25 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 723,586.45 | 3.73 |
| J11091-J11090 | 8 | 16 | 0.034 | 16.7 | 34,774.08 | 2.12 | 372 | 371.46 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,695,605.03 | 8.74 |
| J14025-J14023 | 8 | 267 | 0.007 | 27.2 | 128,732.60 | 2.12 | 343 | 341 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 798,816.77 | 4.12 |
| C05013-C05011 | 8 | 270 | 0.033 | 8.8 | 25,122.03 | 2.12 | 631 | 622 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,685,105.82 | 8.69 |
| E10059-E10057 | 12 | 155 | 0.006 | 19.1 | 171,628.05 | 2.12 | 424 | 423 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,185,740.75 | 4.23 |
| E12049-E12047 | 8 | 281 | 0.007 | 33.1 | 183,897.90 | 2.12 | 416 | 414 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 778,663.19 | 4.02 |
| G12001-H12011 | 15 | 450 | 0.004 | 24.8 | 442,372.80 | 2.12 | 370 | 368 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,289,273.15 | 4.24 |
| H10033-H10031 | 12 | 415 | 0.01 | 17.8 | 180,767.40 | 2.13 | 399 | 395 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,671,593.91 | 5.17 |
| C10029-C10027 | 8 | 201 | 0.01 | 19.6 | 77,514.44 | 2.13 | 511 | 509 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 920,671.66 | 4.75 |
| G12003-G12001 | 15 | 446 | 0.004 | 24.6 | 432,372.06 | 2.13 | 372 | 370 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,303,990.33 | 4.26 |
| F14061-F14059 | 15 | 302 | 0.01 | 15.3 | 248,586.06 | 2.13 | 435 | 432 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,917,545.14 | 6.34 |
| F20024-F20022 | 8 | 350 | 0.081 | 5.8 | 10,150.24 | 2.13 | 639.08 | 610.78 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,624,502.57 | 13.54 |
| F16019-F16017 | 12 | 108 | 0.009 | 22 | 258,500.21 | 2.13 | 485 | 484 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,618,500.25 | 5.06 |
| E08047-E08045 | 15 | 336 | 0.006 | 19.6 | 271,075.36 | 2.14 | 461 | 459 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,806,594.00 | 4.91 |
| E02011-E02009 | 8 | 220 | 0.007 | 35.3 | 188,825.55 | 2.14 | 569 | 567.56 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 746,719.88 | 3.85 |
| D06007-D06005 | 8 | 266 | 0.008 | 29.6 | 151,258.82 | 2.14 | 526 | 524 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 800,316.90 | 4.13 |
| E02025-E02023 | 8 | 233 | 0.011 | 19.3 | 77,410.29 | 2.14 | 585.57 | 582.98 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 973,105.06 | 5.02 |
| F08089-F08083 | 12 | 263 | 0.004 | 46.8 | 597,923.40 | 2.14 | 447 | 446 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,677,979.40 | 3.25 |
| G09057-G09055 | 8 | 258 | 0.019 | 84 | 42,726.34 | 2.14 | 420 | 415 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,284,881.15 | 6.63 |
| E04075-E04073 | 8 | 391 | 0.01 | 24.7 | 124,425.91 | 2.14 | 554 | 550 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 933,532.46 | 4.81 |
| E09075-E09073 | 15 | 214 | 0.002 | 51.5 | 1,188,852.93 | 2.14 | 423 | 422.5 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,384,895.28 | 3.07 |
| H13067-H13065 | 12 | 23 | 0.043 | 4.9 | 17,062.26 | 2.14 | 373 | 372 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 5,674,146.96 | 10.97 |
| E07047-E07045 | 8 | 234 | 0.004 | 52 | 322,257.99 | 2.15 | 489 | 488 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 603,364.67 | 3.11 |
| E14001-F14061 | 15 | 302 | 0.01 | 15.3 | 248,346.90 | 2.15 | 438 | 435 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,917,545.14 | 6.34 |
| D10079-D10077 | 8 | 257 | 0.016 | 15.6 | 48,518.15 | 2.15 | 461 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,151,466.32 | 5.94 |
| C06003-C06001 | 8 | 232 | 0.009 | 28.4 | 118,059.34 | 2.15 | 537 | 535 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 856,956.57 | 4.42 |
| G13079-G13077 | 10 | 320 | 0.006 | 28.5 | 195,246.17 | 2.15 | 382 | 380 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,322,983.77 | 4.09 |
| F20022-F20020 | 8 | 0 | 0.045 | 8.8 | 19,969.48 | 2.15 | 610.78 | 594.98 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,958,225.91 | 10.10 |
| F02161-F02158 | 8 | 360 | 0.006 | 34.9 | 184,054.98 | 2.15 | 542.29 | 540.18 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 703,680.83 | 3.63 |
| J11053-J11021 | 8 | 430 | 0.013 | 100 | 90,084.80 | 2.15 | 367 | 361.46 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,047,631.29 | 5.40 |
| D16005-D16003 | 15 | 299 | 0.013 | 12.9 | 172,117.47 | 2.16 | 486 | 482 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,706,707.34 | 7.36 |
| J08007-J08005 | 15 | 311 | 0.01 | 16.9 | 298,801.19 | 2.16 | 404 | 401 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,845,868.58 | 6.25 |
| C06095-C06093 | 8 | 287 | 0.087 | 4.1 | 7,153.52 | 2.16 | 592 | 567 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,724,061.22 | 14.05 |
| D11025-D11023 | 8 | 305 | 0.01 | 22 | 75,959.92 | 2.16 | 469.2 | 466 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 945,394.08 | 4.88 |
| D03105-D03103 | 8 | 345 | 0.017 | 18.8 | 84,380.52 | 2.17 | 605 | 599 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,217,177.41 | 6.28 |
| F06067-F06065 | 8 | 254 | 0.016 | 25 | 75,558.32 | 2.17 | 486 | 482 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,158,246.36 | 5.97 |
| F02158-F02157 | 8 | 300 | 0.006 | 47.3 | 183,679.85 | 2.17 | 540.18 | 539.36 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 722,008.54 | 3.72 |
| D06005-D06001 | 8 | 259 | 0.008 | 29.7 | 156,045.76 | 2.17 | 524 | 522 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 811,059.89 | 4.18 |
| K13063-K13061 | 12 | 163 | 0.006 | 23.1 | 198,300.77 | 2.17 | 338 | 337 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,131,428.14 | 4.12 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| L14013-L13151 | 12 | 241 | 0.004 | 100 | 2,413,474.62 | 2.17 | 325 | 324 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,752,895.30 | 3.39 |
| D07123-D07121 | 8 | 212 | 0.014 | 18.2 | 68,406.48 | 2.17 | 482 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,097,944.79 | 5.66 |
| D06033-D06031 | 8 | 87 | 0.034 | 9.8 | 24,864.59 | 2.17 | 552 | 549 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,713,913.14 | 8.84 |
| J14027-J14025 | 8 | 251 | 0.008 | 27 | 130,277.38 | 2.18 | 345 | 343 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 823,883.76 | 4.25 |
| F10049-G10025 | 12 | 688 | 0.003 | 47 | 660,317.16 | 2.18 | 399 | 397 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,467,186.35 | 2.84 |
| D15077-D15075 | 8 | 87 | 0.161 | 3.3 | 4,369.29 | 2.19 | 576 | 562 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,702,475.55 | 19.10 |
| D04007-D04005 | 8 | 44 | 0.045 | 8.7 | 21,646.23 | 2.19 | 610 | 608 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,967,779.66 | 10.15 |
| E12045-E12043 | 12 | 226 | 0.004 | 44 | 725,043.86 | 2.19 | 418 | 417 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,810,132.14 | 3.50 |
| G09033-G09029 | 8 | 301 | 0.01 | 26.7 | 113,333.31 | 2.19 | 423 | 420 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 921,436.02 | 4.75 |
| C06099-C06097 | 8 | 343 | 0.102 | 3.5 | 5,842.97 | 2.19 | 646 | 611 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,948,321.02 | 15.21 |
| D04101-D04099 | 8 | 315 | 0.022 | 14 | 48,307.96 | 2.19 | 602 | 595 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,375,883.14 | 7.10 |
| H14001-J14035 | 8 | 277 | 0.014 | 16.9 | 65,150.58 | 2.2 | 355 | 351 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,109,118.42 | 5.72 |
| K13059-K13057 | 12 | 319 | 0.006 | 21.2 | 208,874.62 | 2.2 | 336 | 334 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,154,686.82 | 4.17 |
| F07099-F07085 | 10 | 265 | 0.008 | 27.3 | 236,494.15 | 2.2 | 477 | 475 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,453,806.38 | 4.50 |
| K10007-K10005 | 15 | 313 | 0.01 | 22.4 | 399,200.83 | 2.2 | 372 | 369 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,830,361.76 | 6.23 |
| D10037-D10029 | 8 | 237 | 0.013 | 16.9 | 64,521.46 | 2.2 | 455 | 452 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,038,422.91 | 5.36 |
| G13043-G13039 | 8 | 85 | 0.012 | 19.9 | 79,265.85 | 2.2 | 394 | 393 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,001,102.04 | 5.16 |
| K11047-K11035 | 18 | 177 | 0.003 | 26.1 | 599,011.61 | 2.2 | 350 | 349.5 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 4,264,219.56 | 3.67 |
| H14011-H14009 | 8 | 183 | 0.016 | 15.2 | 53,410.51 | 2.21 | 370 | 367 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,181,742.60 | 6.09 |
| G06005-G06003 | 30 | 263 | 0.001 | 68.1 | 7,481,328.47 | 2.21 | 464.11 | 463.88 | Vitrified Clay Pipe-Circular-30 inch | 4.9 | 9,264,540.80 | 2.93 |
| E14005-E14003 | 15 | 283 | 0.011 | 14.9 | 244,251.59 | 2.21 | 445 | 442 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,079,940.31 | 6.55 |
| E05049-E05107 | 8 | 263 | 0.008 | 30.9 | 166,512.13 | 2.21 | 543 | 541 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 804,868.50 | 4.15 |
| E10057-E10055 | 12 | 291 | 0.007 | 19.2 | 182,270.13 | 2.21 | 423 | 421 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,255,968.34 | 4.36 |
| E02027-E02025 | 8 | 207 | 0.012 | 18.9 | 77,638.27 | 2.21 | 588.03 | 585.57 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,006,167.27 | 5.19 |
| G09053-G09051 | 8 | 491 | 0.012 | 19.8 | 87,141.31 | 2.21 | 430 | 424 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,020,287.78 | 5.26 |
| K10003-K10001 | 15 | 207 | 0.01 | 20.5 | 406,408.35 | 2.21 | 368 | 366 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,849,768.68 | 6.25 |
| D09033-D09031 | 8 | 234 | 0.004 | 46 | 248,826.87 | 2.21 | 444 | 443 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 603,364.67 | 3.11 |
| K13057-K13055 | 12 | 319 | 0.006 | 24.9 | 217,544.91 | 2.22 | 334 | 332 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,154,686.82 | 4.17 |
| D16017-D16015 | 15 | 51 | 0.02 | 11.6 | 126,609.17 | 2.22 | 493 | 492 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 6,908,855.53 | 8.91 |
| F05161-F05159 | 8 | 243 | 0.399 | 2.7 | 1,594.37 | 2.22 | 593 | 496 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 5,831,369.18 | 30.07 |
| F16023-F16021 | 12 | 188 | 0.011 | 20.6 | 248,080.82 | 2.22 | 489 | 487 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,806,729.58 | 5.43 |
| E15059-E15057 | 8 | 121 | 0.017 | 18.1 | 85,283.42 | 2.22 | 460 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,186,615.78 | 6.12 |
| K13051-K13049 | 12 | 342 | 0.006 | 23.5 | 250,778.56 | 2.22 | 329 | 327 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,080,972.99 | 4.02 |
| E02023-E02021 | 8 | 190 | 0.012 | 20.3 | 84,405.33 | 2.22 | 582.98 | 580.75 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 999,915.82 | 5.16 |
| H12017-H12015 | 12 | 169 | 0.012 | 31 | 616,863.51 | 2.23 | 368 | 366 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,960,302.85 | 5.73 |
| K11025-K11023 | 18 | 317 | 0.003 | 25 | 615,769.67 | 2.23 | 347 | 346 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 4,506,211.36 | 3.87 |
| E05105-E05103 | 8 | 262 | 0.008 | 35.6 | 178,079.68 | 2.23 | 538 | 536 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 806,403.05 | 4.16 |
| E05101-E05095 | 8 | 270 | 0.007 | 47.8 | 193,339.85 | 2.23 | 535 | 533 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 794,366.50 | 4.10 |
| J14035-J14033 | 8 | 217 | 0.014 | 20.7 | 71,669.47 | 2.23 | 351 | 348 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,085,221.95 | 5.60 |
| D05005-D05003 | 8 | 331 | 0.021 | 15.3 | 45,604.39 | 2.23 | 570 | 563 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,342,217.29 | 6.92 |
| K13037-K13035 | 21 | 333 | 0.003 | 25.3 | 931,360.02 | 2.23 | 323 | 322 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 6,631,989.72 | 4.28 |
| K12037-K12035 | 8 | 281 | 0.014 | 31.7 | 70,627.63 | 2.23 | 345 | 341 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,101,196.04 | 5.68 |
| E05095-E05089 | 10 | 248 | 0.004 | 49.6 | 525,059.30 | 2.23 | 533 | 532 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,062,646.14 | 3.29 |
| K12033-K12031 | 18 | 286 | 0.003 | 28.8 | 765,847.86 | 2.23 | 340 | 339.2 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 4,243,294.42 | 3.65 |
| F02169-F02167 | 8 | 82 | 0.027 | 16.8 | 33,202.94 | 2.23 | 547.13 | 544.63 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,513,269.70 | 7.80 |
| J14015-J14013 | 10 | 249 | 0.008 | 23.8 | 166,450.99 | 2.24 | 333 | 331 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,499,787.86 | 4.64 |
| G12095-G12093 | 12 | 133 | 0.008 | 21.3 | 207,220.32 | 2.24 | 379 | 378 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,359,601.58 | 4.56 |
| D15007-D15005 | 8 | 12 | 0.027 | 13.7 | 42,655.19 | 2.24 | 477.32 | 477 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,507,204.47 | 7.77 |
| D06109-D06107 | 8 | 290 | 0.017 | 15.2 | 60,404.81 | 2.24 | 526 | 521 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,211,919.60 | 6.25 |
| D06119-E06021 | 8 | 331 | 0.012 | 20.3 | 88,835.79 | 2.24 | 522 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,014,620.90 | 5.23 |
| C06029-C06027 | 8 | 256 | 0.043 | 8.2 | 19,939.65 | 2.25 | 567 | 556 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,913,216.72 | 9.87 |
| K13053-K13051 | 12 | 341 | 0.006 | 23.6 | 254,635.50 | 2.25 | 331 | 329 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,084,022.03 | 4.03 |
| D08055-D08053 | 12 | 142 | 0.035 | 8.2 | 50,593.96 | 2.25 | 483 | 478 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 5,106,288.26 | 9.88 |
| D10013-D10011 | 15 | 336 | 0.002 | 60.1 | 1,332,476.74 | 2.25 | 433 | 432.46 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 1,977,964.26 | 2.55 |
| E15015-E15013 | 15 | 325 | 0.012 | 15.2 | 231,939.90 | 2.25 | 469 | 465 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,473,681.39 | 7.06 |
| E06021-E06009 | 8 | 334 | 0.012 | 26.1 | 94,096.52 | 2.25 | 518 | 514 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,010,053.95 | 5.21 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| C06007-C06005 | 8 | 329 | 0.036 | 10.9 | 25,409.23 | 2.26 | 552 | 540 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,762,708.43 | 9.09 |
| J12023-J12007 | 30 | 23 | 0.012 | 14.3 | 531,902.73 | 2.26 | 358.09 | 357.81 | Vitrified Clay Pipe-Circular-30 inch | 4.9 | 34,566,304.56 | 10.91 |
| D09035-D09033 | 8 | 309 | 0.006 | 38.2 | 161,281.24 | 2.26 | 446 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 742,546.35 | 3.83 |
| D05001-D06059 | 8 | 348 | 0.011 | 22.7 | 100,279.22 | 2.26 | 561 | 557 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 989,528.21 | 5.10 |
| D08025-D08023 | 12 | 59 | 0.003 | 50 | 729,498.79 | 2.27 | 478.32 | 478.15 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,460,706.47 | 2.83 |
| F03137-F03089 | 15 | 182 | 0.005 | 24.6 | 486,843.73 | 2.27 | 527 | 526 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,657,257.22 | 4.72 |
| D06143-D06141 | 8 | 16 | 0.012 | 20.7 | 82,745.89 | 2.27 | 503.5 | 503.3 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,031,912.36 | 5.32 |
| F18035-F18033 | 12 | 184 | 0.016 | 12.4 | 102,319.47 | 2.27 | 549 | 546 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,474,691.20 | 6.72 |
| F19011-F19010 | 12 | 204 | 0.031 | 8.7 | 44,604.02 | 2.27 | 570.27 | 563.97 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 4,770,433.46 | 9.23 |
| E10053-E10051 | 12 | 274 | 0.007 | 22.2 | 197,514.18 | 2.28 | 418 | 416 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,324,899.66 | 4.50 |
| J08005-J08003 | 15 | 291 | 0.01 | 18.1 | 316,694.68 | 2.28 | 401 | 398 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,009,626.32 | 6.46 |
| E15001-E14021 | 15 | 228 | 0.009 | 21.5 | 333,817.96 | 2.28 | 455 | 453 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,621,029.85 | 5.96 |
| D02055-D02053 | 8 | 125 | 0.024 | 82.3 | 56,007.25 | 2.28 | 606 | 603 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,429,859.71 | 7.37 |
| K11049-K11047 | 18 | 327 | 0.003 | 25.1 | 599,146.33 | 2.28 | 351 | 350 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 4,436,774.05 | 3.81 |
| D06111-D06109 | 8 | 291 | 0.021 | 14.4 | 52,473.08 | 2.28 | 532 | 526 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,325,308.36 | 6.84 |
| G04089-G04087 | 8 | 253 | 0.008 | 38 | 227,750.09 | 2.28 | 495 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 820,620.84 | 4.23 |
| D12039-D12037 | 8 | 96 | 0.01 | 24.1 | 120,076.93 | 2.29 | 447 | 446 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 942,002.79 | 4.86 |
| K15033-K15021 | 8 | 31 | 0.008 | 33.1 | 153,515.29 | 2.29 | 314.25 | 314 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 828,851.95 | 4.27 |
| F11041-F11001 | 8 | 353 | 0.014 | 69.1 | 71,727.51 | 2.29 | 389 | 384.15 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,081,860.65 | 5.58 |
| D11007-D11005 | 8 | 251 | 0.008 | 26.3 | 124,538.19 | 2.29 | 446 | 444 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 823,883.76 | 4.25 |
| D06061-D06059 | 8 | 248 | 0.016 | 20.2 | 70,579.86 | 2.29 | 561 | 557 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,172,173.67 | 6.05 |
| K13039-K13037 | 21 | 315 | 0.003 | 25.2 | 933,515.10 | 2.29 | 324 | 323 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 6,818,842.89 | 4.40 |
| D12025-D12023 | 8 | 433 | 0.009 | 28.1 | 152,943.86 | 2.3 | 432 | 428 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 887,102.61 | 4.58 |
| D03107-D03105 | 8 | 351 | 0.02 | 17.5 | 84,637.22 | 2.3 | 612 | 605 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,303,416.66 | 6.72 |
| D13101-D13099 | 8 | 289 | 0.166 | 4.4 | 5,159.66 | 2.3 | 505 | 457 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,761,486.47 | 19.40 |
| G13085-G13083 | 10 | 116 | 0.009 | 25.6 | 173,856.67 | 2.3 | 384 | 383 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,553,765.64 | 4.81 |
| J14021-J14019 | 8 | 130 | 0.008 | 31.1 | 169,363.97 | 2.31 | 339 | 338 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 809,498.65 | 4.17 |
| E08045-E08043 | 15 | 306 | 0.006 | 21.1 | 362,813.05 | 2.31 | 459 | 457.25 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,731,208.43 | 4.81 |
| E06053-E06041 | 10 | 302 | 0.01 | 20.6 | 147,940.99 | 2.32 | 505 | 502 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,667,906.36 | 5.16 |
| E13029-E13027 | 12 | 199 | 0.005 | 38.3 | 599,673.44 | 2.32 | 430 | 429 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,929,025.46 | 3.73 |
| G07049-G07047 | 30 | 379 | 0.001 | 63.6 | 7,468,186.73 | 2.32 | 463.08 | 462.68 | Vitrified Clay Pipe-Circular-30 inch | 4.9 | 10,177,667.19 | 3.21 |
| F16029-F16027 | 12 | 54 | 0.019 | 16.8 | 172,131.80 | 2.32 | 492 | 491 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,703,118.57 | 7.16 |
| E03241-E03239 | 12 | 241 | 0.008 | 21.7 | 255,449.36 | 2.32 | 559 | 557 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,478,968.31 | 4.79 |
| F14105-F14103 | 12 | 212 | 0.009 | 24.4 | 346,298.11 | 2.32 | 434 | 432 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,643,087.65 | 5.11 |
| E16005-E16003 | 15 | 34 | 0.015 | 13.7 | 203,960.78 | 2.32 | 477.5 | 477 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,983,244.40 | 7.71 |
| E02021-E02019 | 8 | 187 | 0.012 | 20.9 | 96,148.49 | 2.32 | 580.75 | 578.53 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,005,642.20 | 5.19 |
| C10027-C10025 | 8 | 76 | 0.013 | 18.8 | 77,206.80 | 2.32 | 509 | 508 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,058,719.74 | 5.46 |
| D06131-D06125 | 8 | 329 | 0.018 | 16.1 | 58,915.58 | 2.32 | 534 | 528 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,246,423.08 | 6.43 |
| F08105-F08103 | 12 | 106 | 0.005 | 39.6 | 575,243.27 | 2.32 | 451.5 | 451 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,868,945.20 | 3.61 |
| D09077-D09075 | 8 | 69 | 0.014 | 19.2 | 64,815.59 | 2.32 | 452 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,111,125.88 | 5.73 |
| F14113-F14111 | 12 | 205 | 0.01 | 23.7 | 330,551.48 | 2.32 | 446 | 444 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,687,834.76 | 5.20 |
| J14019-J14017 | 8 | 250 | 0.008 | 30.6 | 168,393.45 | 2.33 | 338 | 336 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 825,529.89 | 4.26 |
| F05105-F05103 | 15 | 314 | 0.006 | 25.6 | 566,300.39 | 2.33 | 506 | 504 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,937,688.64 | 5.08 |
| E04073-E04071 | 8 | 387 | 0.013 | 30.3 | 127,865.94 | 2.33 | 550 | 545 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,049,101.06 | 5.41 |
| E07063-E07061 | 8 | 258 | 0.012 | 22.6 | 111,803.94 | 2.34 | 489 | 486 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 995,264.66 | 5.13 |
| K12021-K12019 | 18 | 349 | 0.003 | 31.7 | 937,124.29 | 2.34 | 337 | 336 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 4,294,656.92 | 3.69 |
| F14103-F14081 | 12 | 205 | 0.01 | 24.5 | 347,338.24 | 2.34 | 432 | 430 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,687,834.76 | 5.20 |
| E07055-E08061 | 8 | 357 | 0.011 | 24.8 | 129,806.25 | 2.34 | 473.91 | 470 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 965,922.04 | 4.98 |
| D15071-D15069 | 8 | 144 | 0.125 | 4.8 | 7,534.57 | 2.34 | 508 | 490 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,263,193.40 | 16.83 |
| J06075-J06067 | 10 | 268 | 0.034 | 10.3 | 35,729.57 | 2.35 | 426.53 | 417.47 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 3,076,884.62 | 9.52 |
| D14085-D14083 | 10 | 266 | 0.023 | 12.1 | 71,730.30 | 2.35 | 451 | 445 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,513,328.84 | 7.78 |
| G08067-G08065 | 12 | 41 | 0.005 | 47.3 | 669,155.83 | 2.35 | 441.7 | 441.5 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,900,586.18 | 3.68 |
| F03145-F03143 | 15 | 180 | 0.006 | 26.2 | 488,051.02 | 2.35 | 531 | 530 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,677,519.18 | 4.74 |
| D12023-E12059 | 8 | 404 | 0.01 | 28.1 | 157,427.21 | 2.35 | 428 | 424 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 918,389.95 | 4.74 |
| D05103-D05101 | 8 | 278 | 0.022 | 14.6 | 51,243.87 | 2.35 | 540 | 534 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,355,941.75 | 6.99 |
| E12059-E12057 | 8 | 398 | 0.01 | 28.2 | 161,154.55 | 2.35 | 424 | 420 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 925,286.59 | 4.77 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| D10011-D10009 | 15 | 361 | 0.002 | 58.4 | 1,360,750.20 | 2.36 | 432.46 | 431.8 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,109,645.90 | 2.72 |
| D10083-D10081 | 8 | 347 | 0.027 | 10.9 | 33,079.40 | 2.36 | 479 | 469.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,527,161.17 | 7.88 |
| D09031-D09015 | 8 | 428 | 0.005 | 49.7 | 286,545.19 | 2.37 | 443 | 441 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 630,929.63 | 3.25 |
| E10045-F10073 | 12 | 405 | 0.005 | 34.4 | 361,809.82 | 2.37 | 408 | 406 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,912,282.21 | 3.70 |
| E12039-E12045 | 12 | 182 | 0.005 | 42.7 | 724,919.27 | 2.37 | 419 | 418 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,017,106.38 | 3.90 |
| F07081-F07079 | 12 | 261 | 0.008 | 24.8 | 321,025.97 | 2.37 | 471 | 469 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,382,095.90 | 4.61 |
| F14055-F14053 | 15 | 14 | 0.014 | 19.3 | 250,477.54 | 2.37 | 427.2 | 427 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,897,150.06 | 7.60 |
| D11045-D11043 | 8 | 208 | 0.035 | 8.4 | 24,716.20 | 2.37 | 492.05 | 484.82 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,720,779.76 | 8.87 |
| E15009-E15007 | 15 | 289 | 0.01 | 17.1 | 308,104.67 | 2.37 | 461 | 458 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,026,930.78 | 6.48 |
| F16015-F16013 | 12 | 244 | 0.012 | 20.1 | 266,271.67 | 2.38 | 483 | 480 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,017,381.42 | 5.84 |
| D13039-D13037 | 10 | 215 | 0.014 | 21.2 | 146,477.01 | 2.38 | 439 | 436 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,976,768.93 | 6.12 |
| E09035-E09019 | 15 | 31 | 0.003 | 46.6 | 1,176,231.56 | 2.38 | 437.73 | 437.64 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,658,469.04 | 3.43 |
| F04145-F04141 | 15 | 320 | 0.006 | 25.4 | 549,606.16 | 2.38 | 520 | 518 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,900,598.13 | 5.03 |
| F16035-F16033 | 12 | 269 | 0.019 | 14.7 | 172,376.75 | 2.38 | 503 | 498 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,709,995.31 | 7.18 |
| E04069-E04047 | 10 | 326 | 0.009 | 26.6 | 248,551.46 | 2.38 | 543 | 540 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,605,337.45 | 4.97 |
| D06107-D06105 | 8 | 284 | 0.021 | 15.7 | 59,931.89 | 2.38 | 521 | 515 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,341,541.96 | 6.92 |
| F10071-F10069 | 12 | 567 | 0.004 | 41.2 | 574,158.03 | 2.39 | 404 | 402 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,616,173.44 | 3.13 |
| K12055-K12053 | 8 | 217 | 0.055 | 10.8 | 18,644.28 | 2.39 | 359 | 347 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,170,443.89 | 11.19 |
| G15045-G15043 | 8 | 219 | 0.087 | 4.1 | 7,641.64 | 2.39 | 483 | 464 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,718,582.71 | 14.02 |
| G12005-G12003 | 15 | 453 | 0.011 | 19.3 | 221,892.65 | 2.39 | 377 | 372 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,183,547.71 | 6.68 |
| G05097-G05095 | 12 | 350 | 0.009 | 27.9 | 314,132.00 | 2.39 | 485 | 482 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,519,365.07 | 4.87 |
| K12057-K12055 | 8 | 34 | 0.059 | 6.6 | 18,671.00 | 2.39 | 361 | 359 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,238,532.20 | 11.55 |
| E07059-E07057 | 8 | 236 | 0.013 | 22.8 | 113,355.10 | 2.4 | 482 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,040,620.63 | 5.37 |
| F13067-F13065 | 15 | 177 | 0.006 | 30.6 | 753,985.71 | 2.4 | 410 | 409 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,708,553.65 | 4.78 |
| F10073-F10071 | 12 | 543 | 0.004 | 40.2 | 536,931.24 | 2.4 | 406 | 404 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,651,503.81 | 3.19 |
| E10047-E10045 | 12 | 404 | 0.005 | 29.5 | 362,274.18 | 2.4 | 410 | 408 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,914,647.43 | 3.70 |
| D11043-D11041 | 8 | 76 | 0.037 | 9.4 | 24,620.54 | 2.4 | 484.82 | 482.03 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,768,410.61 | 9.12 |
| E12047-E12011 | 8 | 97 | 0.01 | 48.6 | 184,115.42 | 2.4 | 414 | 413 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 937,134.53 | 4.83 |
| E07015-E07013 | 12 | 47 | 0.021 | 10.5 | 71,517.64 | 2.4 | 482 | 481 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,969,315.03 | 7.68 |
| E15007-E15003 | 15 | 196 | 0.01 | 19.5 | 326,702.10 | 2.4 | 458 | 456 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,984,001.47 | 6.43 |
| F12107-F12105 | 18 | 269 | 0.004 | 36.3 | 1,371,181.44 | 2.4 | 400 | 399 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 4,891,758.96 | 4.20 |
| E06017-E06011 | 8 | 310 | 0.013 | 22.6 | 108,674.61 | 2.4 | 522 | 518 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,048,424.00 | 5.41 |
| F12105-F12095 | 18 | 268 | 0.004 | 36.5 | 1,388,509.15 | 2.4 | 399 | 398 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 4,900,876.87 | 4.21 |
| E12057-E12049 | 8 | 371 | 0.011 | 30.5 | 164,500.53 | 2.41 | 420 | 416 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 958,364.79 | 4.94 |
| G08071-G08069 | 12 | 195 | 0.005 | 49.3 | 664,341.16 | 2.41 | 443 | 442 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,948,709.90 | 3.77 |
| C10007-D10093 | 8 | 240 | 0.017 | 18.1 | 59,835.07 | 2.41 | 465 | 461 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,191,549.76 | 6.15 |
| F12083-F12081 | 21 | 255 | 0.004 | 32.4 | 1,441,507.92 | 2.41 | 397 | 396 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 7,578,720.15 | 4.89 |
| K12067-K12065 | 12 | 309 | 0.01 | 16.3 | 154,689.54 | 2.41 | 348 | 345 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,681,302.95 | 5.19 |
| E15013-E15009 | 15 | 363 | 0.011 | 16.5 | 298,325.25 | 2.41 | 465 | 461 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,179,262.02 | 6.68 |
| C10025-C10023 | 8 | 150 | 0.013 | 19.2 | 85,808.03 | 2.41 | 508 | 506 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,065,754.50 | 5.50 |
| D10113-D10015 | 8 | 84 | 0.023 | 55.8 | 41,860.57 | 2.41 | 435.72 | 433.78 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,402,649.07 | 7.23 |
| D09021-D09019 | 8 | 359 | 0.006 | 42.3 | 257,184.52 | 2.42 | 449 | 447 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 688,899.04 | 3.55 |
| E09077-E09075 | 15 | 311 | 0.003 | 47.7 | 1,189,476.24 | 2.42 | 424 | 423 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,797,763.53 | 3.61 |
| F10013-F10011 | 24 | 363 | 0.003 | 34.8 | 2,358,225.77 | 2.42 | 414 | 413 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 9,068,967.40 | 4.53 |
| D10071-D10023 | 12 | 332 | 0.003 | 47.4 | 680,254.06 | 2.42 | 437 | 436 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,493,466.40 | 2.89 |
| F16033-F16031 | 12 | 251 | 0.02 | 18.4 | 172,301.52 | 2.43 | 498 | 493 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,840,719.93 | 7.43 |
| F02162-F02161 | 8 | 208 | 0.014 | 27 | 86,848.90 | 2.43 | 545.19 | 542.29 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,087,210.56 | 5.61 |
| D10081-D10079 | 8 | 341 | 0.025 | 12.8 | 41,701.26 | 2.43 | 469.5 | 461 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,457,203.08 | 7.52 |
| E10049-E10047 | 12 | 509 | 0.006 | 27.7 | 308,484.82 | 2.43 | 413 | 410 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,089,133.70 | 4.04 |
| H07009-H07007 | 15 | 308 | 0.014 | 15.8 | 260,921.08 | 2.44 | 435.26 | 431 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,802,573.37 | 7.48 |
| E10051-E10049 | 12 | 489 | 0.006 | 25.3 | 284,428.83 | 2.44 | 416 | 413 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,131,428.14 | 4.12 |
| D09013-D10071 | 12 | 329 | 0.003 | 47.2 | 672,654.69 | 2.44 | 438 | 437 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,500,260.06 | 2.90 |
| E14003-E14001 | 15 | 284 | 0.014 | 14.6 | 246,491.03 | 2.44 | 442 | 438 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,855,473.57 | 7.55 |
| F12095-F12083 | 18 | 259 | 0.004 | 36.6 | 1,422,230.61 | 2.44 | 398 | 397 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 4,985,300.10 | 4.29 |
| E04045-E05095 | 10 | 336 | 0.009 | 39.2 | 285,766.48 | 2.45 | 536 | 533 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,581,268.05 | 4.89 |
| F15101-F15099 | 12 | 248 | 0.012 | 21.4 | 299,287.70 | 2.45 | 467 | 464 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,992,948.78 | 5.79 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| G09051-G09041 | 8 | 183 | 0.016 | 19.8 | 90,196.41 | 2.45 | 424 | 421 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,181,742.60 | 6.09 |
| J14101-J14099 | 8 | 252 | 0.024 | 17.8 | 53,128.43 | 2.45 | 346 | 340 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,424,174.36 | 7.35 |
| H10013-H10011 | 12 | 465 | 0.008 | 27.3 | 318,063.67 | 2.45 | 391.5 | 388 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,360,869.84 | 4.57 |
| J08009-J08007 | 15 | 295 | 0.014 | 16.2 | 299,176.20 | 2.46 | 408 | 404 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,745,266.61 | 7.41 |
| J11029-J11027 | 15 | 176 | 0.006 | 26.3 | 564,546.03 | 2.46 | 376 | 375 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,719,074.39 | 4.80 |
| F15097-F15095 | 12 | 247 | 0.012 | 21.6 | 306,952.93 | 2.46 | 460 | 457 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,999,001.26 | 5.80 |
| G13095-G13093 | 10 | 102 | 0.01 | 21.9 | 173,907.52 | 2.46 | 389 | 388 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,656,969.15 | 5.13 |
| D04081-D04079 | 8 | 286 | 0.021 | 16.6 | 79,602.72 | 2.46 | 586 | 580 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,336,843.03 | 6.89 |
| E14065-E14063 | 10 | 264 | 0.008 | 36.5 | 413,866.19 | 2.46 | 443 | 441 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,456,557.20 | 4.51 |
| D04033-D04031 | 12 | 279 | 0.025 | 10.2 | 87,233.23 | 2.47 | 614 | 607 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 4,310,338.89 | 8.34 |
| E12003-E12001 | 18 | 249 | 0.004 | 35.1 | 1,344,827.21 | 2.47 | 403 | 402 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 5,084,421.13 | 4.37 |
| F04135-F05113 | 15 | 270 | 0.007 | 26.2 | 551,729.00 | 2.47 | 511 | 509 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,246,433.38 | 5.48 |
| D04027-D04025 | 12 | 275 | 0.022 | 11 | 101,799.89 | 2.48 | 600 | 594 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 4,019,516.13 | 7.77 |
| D15003-E15021 | 8 | 296 | 0.027 | 16.5 | 58,640.69 | 2.48 | 475 | 467 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,517,354.11 | 7.83 |
| D09051-D09049 | 8 | 104 | 0.115 | 6 | 7,059.47 | 2.48 | 467.4 | 455.4 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,135,174.81 | 16.17 |
| E06011-E06009 | 8 | 318 | 0.013 | 27.6 | 126,007.57 | 2.48 | 518 | 514 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,035,152.28 | 5.34 |
| D10025-D10023 | 8 | 331 | 0.009 | 47.3 | 150,743.56 | 2.48 | 439 | 436 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 878,687.48 | 4.53 |
| F02100-F02099 | 8 | 262 | 0.01 | 32.1 | 181,326.45 | 2.48 | 537.25 | 534.63 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 919,467.73 | 4.74 |
| E08073-E08045 | 8 | 336 | 0.018 | 28.5 | 82,265.00 | 2.48 | 465 | 459 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,233,371.17 | 6.36 |
| E05011-E05001 | 8 | 291 | 0.021 | 19.8 | 67,577.63 | 2.48 | 530 | 524 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,325,308.36 | 6.84 |
| G09023-G09021 | 8 | 275 | 0.007 | 43.1 | 255,695.74 | 2.48 | 418 | 416 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 787,111.86 | 4.06 |
| E05051-E05049 | 8 | 271 | 0.011 | 28.9 | 154,567.61 | 2.49 | 546 | 543 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 971,099.63 | 5.01 |
| K12019-K13047 | 18 | 283 | 0.004 | 30 | 934,627.73 | 2.49 | 336 | 335 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 4,769,226.75 | 4.10 |
| D10021-D10015 | 15 | 300 | 0.002 | 52.8 | 1,245,578.38 | 2.49 | 434.43 | 433.78 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,296,609.99 | 2.96 |
| E14021-E14071 | 8 | 246 | 0.008 | 46.6 | 368,277.11 | 2.49 | 453 | 451 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 832,214.45 | 4.29 |
| C05017-C05015 | 8 | 198 | 0.066 | 6.7 | 18,220.77 | 2.5 | 660 | 647 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,364,976.82 | 12.20 |
| G15043-G15041 | 8 | 174 | 0.086 | 4.3 | 9,678.72 | 2.5 | 464 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,709,934.62 | 13.98 |
| D05057-D05055 | 15 | 184 | 0.016 | 11.1 | 162,355.97 | 2.5 | 587 | 584 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 6,300,034.32 | 8.12 |
| J12013-J12011 | 21 | 53 | 0.006 | 24.3 | 791,786.49 | 2.5 | 359 | 358.68 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 9,403,792.02 | 6.06 |
| F04147-F04145 | 15 | 143 | 0.008 | 23.8 | 487,809.36 | 2.5 | 521.2 | 520 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,519,743.65 | 5.83 |
| C10017-D10131 | 8 | 336 | 0.012 | 22.6 | 113,146.83 | 2.51 | 494 | 490 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,007,043.35 | 5.19 |
| K13065-K13063 | 12 | 109 | 0.009 | 19.7 | 199,217.86 | 2.51 | 339 | 338 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,606,461.11 | 5.04 |
| D06125-D06119 | 8 | 340 | 0.018 | 18.7 | 80,565.58 | 2.51 | 528 | 522 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,226,094.58 | 6.32 |
| J14031-J14029 | 8 | 54 | 0.019 | 23.6 | 78,033.71 | 2.51 | 347 | 346 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,256,003.72 | 6.48 |
| E03235-F03161 | 12 | 297 | 0.01 | 21.5 | 276,268.38 | 2.52 | 552 | 549 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,734,934.32 | 5.29 |
| E08061-E08059 | 8 | 364 | 0.014 | 30.9 | 130,217.56 | 2.52 | 470 | 465 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,081,738.08 | 5.58 |
| G09041-G09039 | 8 | 66 | 0.015 | 24.8 | 108,813.87 | 2.52 | 421 | 420 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,136,098.12 | 5.86 |
| D09065-D10111 | 12 | 338 | 0.006 | 30.7 | 318,255.28 | 2.53 | 437 | 435 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,093,250.22 | 4.05 |
| F09045-F09015 | 18 | 443 | 0.005 | 30.5 | 1,092,468.17 | 2.53 | 427 | 425 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 5,390,813.70 | 4.63 |
| E03237-E03235 | 12 | 299 | 0.01 | 21.5 | 276,994.28 | 2.53 | 555 | 552 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,725,772.03 | 5.27 |
| D09043-D09041 | 8 | 95 | 0.011 | 24.4 | 123,461.19 | 2.53 | 449 | 448 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 946,947.72 | 4.88 |
| K12069-K12067 | 8 | 183 | 0.011 | 25.1 | 133,513.03 | 2.53 | 350 | 348 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 964,888.79 | 4.98 |
| G04091-G04089 | 8 | 286 | 0.01 | 34.7 | 227,521.49 | 2.54 | 498 | 495 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 945,290.77 | 4.88 |
| E15057-E15029 | 8 | 418 | 0.022 | 27.9 | 95,923.07 | 2.54 | 458 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,354,318.84 | 6.98 |
| D12035-D12033 | 8 | 282 | 0.014 | 24.9 | 119,959.26 | 2.54 | 440 | 436 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,099,241.84 | 5.67 |
| D04029-D04027 | 12 | 170 | 0.024 | 10.8 | 100,445.97 | 2.54 | 604 | 600 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 4,174,169.04 | 8.07 |
| J12059-J12053 | 10 | 76 | 0.026 | 41.7 | 102,644.21 | 2.54 | 361 | 359 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,714,705.42 | 8.40 |
| D04037-D04035 | 12 | 298 | 0.027 | 9.6 | 84,958.28 | 2.54 | 631 | 623 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 4,458,629.24 | 8.62 |
| D08001-E08005 | 15 | 310 | 0.003 | 44.9 | 1,162,449.63 | 2.55 | 451 | 450 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,802,272.42 | 3.61 |
| E05107-E05105 | 8 | 264 | 0.011 | 30.1 | 171,945.31 | 2.55 | 541 | 538 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 983,889.83 | 5.07 |
| D10075-D10073 | 8 | 340 | 0.009 | 29.9 | 168,904.38 | 2.55 | 456 | 453 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 866,979.79 | 4.47 |
| F04137-F04135 | 15 | 252 | 0.008 | 24.1 | 551,578.76 | 2.55 | 513 | 511 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,395,476.14 | 5.67 |
| G06001-G07049 | 30 | 295 | 0.001 | 61.1 | 7,474,576.69 | 2.55 | 463.48 | 463.08 | Vitrified Clay Pipe-Circular-30 inch | 4.9 | 11,536,042.36 | 3.64 |
| F04141-F04139 | 15 | 258 | 0.008 | 24 | 550,483.88 | 2.55 | 518 | 516 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,344,065.29 | 5.60 |
| E07057-E07055 | 8 | 370 | 0.014 | 24 | 129,385.71 | 2.55 | 479 | 473.91 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,082,544.70 | 5.58 |
| D11027-D11025 | 8 | 220 | 0.021 | 16.7 | 57,826.54 | 2.55 | 473.8 | 469.2 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,334,613.10 | 6.88 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| E12011-E12009 | 15 | 574 | 0.005 | 35.8 | 978,507.29 | 2.55 | 413 | 410 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,566,940.63 | 4.60 |
| G07045-G07043 | 30 | 275 | 0.001 | 57.2 | 7,456,537.84 | 2.56 | 462.28 | 461.88 | Vitrified Clay Pipe-Circular-30 inch | 4.9 | 11,948,173.03 | 3.77 |
| G10011-G10009 | 24 | 567 | 0.004 | 32.7 | 2,379,093.33 | 2.56 | 406 | 404 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 10,262,061.70 | 5.12 |
| F15119-F15117 | 12 | 195 | 0.015 | 19.2 | 270,716.93 | 2.56 | 473 | 470 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,375,264.56 | 6.53 |
| F12065-F11017 | 24 | 276 | 0.004 | 32 | 2,309,741.96 | 2.57 | 394 | 393 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 10,400,557.33 | 5.19 |
| F16013-F15121 | 12 | 257 | 0.016 | 19 | 267,741.67 | 2.57 | 480 | 476 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,394,907.39 | 6.57 |
| G08059-G08057 | 12 | 82 | 0.006 | 40.9 | 703,396.74 | 2.57 | 440 | 439.5 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,124,919.95 | 4.11 |
| F15121-F15119 | 12 | 193 | 0.016 | 19.1 | 269,214.94 | 2.57 | 476 | 473 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,392,707.91 | 6.56 |
| D08033-D08031 | 10 | 148 | 0.007 | 34 | 341,294.33 | 2.57 | 470 | 469 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,375,573.03 | 4.26 |
| D09045-D09043 | 8 | 91 | 0.011 | 24.3 | 123,653.18 | 2.58 | 450 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 967,535.95 | 4.99 |
| D08021-D08019 | 12 | 247 | 0.004 | 46.2 | 754,754.25 | 2.58 | 476 | 475 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,731,474.19 | 3.35 |
| F07065-F07063 | 12 | 334 | 0.009 | 25.5 | 367,482.91 | 2.58 | 463 | 460 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,579,003.27 | 4.99 |
| D10015-D10013 | 15 | 336 | 0.002 | 56.6 | 1,318,426.61 | 2.58 | 433.78 | 433 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,377,217.19 | 3.07 |
| F07063-F08111 | 12 | 328 | 0.009 | 25.5 | 369,715.84 | 2.58 | 460 | 457 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,602,484.81 | 5.03 |
| F03153-F03151 | 12 | 259 | 0.012 | 21.4 | 281,978.91 | 2.59 | 537 | 534 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,928,702.40 | 5.66 |
| D04031-D04029 | 12 | 121 | 0.025 | 10.6 | 99,788.67 | 2.59 | 607 | 604 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 4,284,818.60 | 8.29 |
| H12009-H12007 | 8 | 145 | 0.007 | 54.4 | 440,775.96 | 2.59 | 366 | 365 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 766,485.26 | 3.95 |
| J14023-J14021 | 8 | 164 | 0.012 | 28.3 | 144,874.08 | 2.59 | 341 | 339 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,019,250.38 | 5.26 |
| K11019-K12035 | 18 | 219 | 0.005 | 24.2 | 696,214.65 | 2.59 | 342 | 341 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 5,421,495.87 | 4.66 |
| F10011-F10005 | 24 | 292 | 0.003 | 32.9 | 2,358,391.11 | 2.59 | 413 | 412 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 10,111,596.42 | 5.05 |
| F10001-G10011 | 24 | 558 | 0.004 | 32.7 | 2,369,651.37 | 2.59 | 408 | 406 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 10,344,489.22 | 5.16 |
| F15117-F15101 | 12 | 186 | 0.016 | 20.2 | 271,819.61 | 2.59 | 470 | 467 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,455,959.57 | 6.68 |
| D03083-D03107 | 8 | 286 | 0.028 | 16.6 | 84,817.63 | 2.6 | 620 | 612 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,543,653.37 | 7.96 |
| F03155-F03153 | 12 | 261 | 0.011 | 21 | 281,618.66 | 2.6 | 540 | 537 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,917,459.74 | 5.64 |
| H12035-H12033 | 12 | 92 | 0.022 | 10.1 | 85,593.17 | 2.61 | 362 | 360 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 4,012,227.79 | 7.76 |
| C04039-C04037 | 8 | 296 | 0.05 | 8.9 | 34,257.25 | 2.61 | 740.51 | 725.61 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,070,785.36 | 10.68 |
| D17015-D17013 | 15 | 58 | 0.034 | 10.1 | 115,041.82 | 2.61 | 499 | 497 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 9,162,040.36 | 11.81 |
| J14017-J14015 | 10 | 246 | 0.012 | 21.4 | 166,749.55 | 2.61 | 336 | 333 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,848,023.90 | 5.72 |
| E05053-E05051 | 8 | 260 | 0.015 | 24.3 | 117,683.09 | 2.62 | 550 | 546 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,144,803.98 | 5.90 |
| G07047-G07045 | 30 | 261 | 0.002 | 56.8 | 7,457,553.63 | 2.62 | 462.68 | 462.28 | Vitrified Clay Pipe-Circular-30 inch | 4.9 | 12,264,436.43 | 3.87 |
| D07105-D07103 | 8 | 277 | 0.018 | 19.6 | 96,878.42 | 2.62 | 508 | 503 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,240,032.09 | 6.40 |
| C04023-D04037 | 8 | 336 | 0.027 | 15.2 | 75,701.41 | 2.63 | 640 | 631 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,510,565.02 | 7.79 |
| F10069-F10067 | 12 | 208 | 0.005 | 44.2 | 577,189.52 | 2.63 | 402 | 401 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 1,886,830.25 | 3.65 |
| E07061-E07059 | 8 | 246 | 0.016 | 21.6 | 112,516.98 | 2.63 | 486 | 482 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,176,928.96 | 6.07 |
| C06017-C06015 | 8 | 273 | 0.029 | 17.1 | 53,381.35 | 2.63 | 547 | 539 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,579,979.59 | 8.15 |
| F11017-F11009 | 24 | 259 | 0.004 | 31.8 | 2,349,423.46 | 2.63 | 393 | 392 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 10,736,463.97 | 5.36 |
| D04025-D05057 | 12 | 271 | 0.026 | 12.2 | 103,442.67 | 2.63 | 594 | 587 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 4,373,497.40 | 8.46 |
| F14081-F14053 | 12 | 257 | 0.012 | 27.6 | 393,521.16 | 2.63 | 430 | 427 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,940,076.05 | 5.69 |
| G15063-G15061 | 8 | 320 | 0.084 | 5 | 13,021.40 | 2.64 | 490 | 463 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,680,986.95 | 13.83 |
| E06041-E06039 | 10 | 323 | 0.012 | 21.1 | 181,617.36 | 2.64 | 502 | 498 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,862,272.56 | 5.76 |
| D05067-D05057 | 8 | 317 | 0.041 | 15.8 | 46,408.46 | 2.65 | 600 | 587 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,869,088.44 | 9.64 |
| F08095-F08089 | 12 | 144 | 0.007 | 38.1 | 591,670.38 | 2.65 | 448 | 447 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,267,687.74 | 4.39 |
| G14065-G14059 | 8 | 173 | 0.035 | 17.6 | 61,264.29 | 2.65 | 409 | 403 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,718,859.51 | 8.86 |
| E07051-E07049 | 8 | 370 | 0.008 | 47.1 | 291,448.33 | 2.65 | 493 | 490 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 831,089.07 | 4.29 |
| D06011-D06009 | 8 | 284 | 0.014 | 26.9 | 143,072.28 | 2.65 | 532 | 528 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,095,364.43 | 5.65 |
| E10055-E10053 | 12 | 260 | 0.012 | 18.5 | 189,067.94 | 2.65 | 421 | 418 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,923,064.86 | 5.65 |
| C06055-C06053 | 8 | 160 | 0.1 | 7.2 | 12,940.31 | 2.65 | 604 | 588 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,918,688.90 | 15.05 |
| C05015-C05013 | 8 | 249 | 0.064 | 7.8 | 24,041.64 | 2.65 | 647 | 631 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,339,635.08 | 12.07 |
| D04035-D04033 | 12 | 295 | 0.031 | 9.6 | 86,279.28 | 2.66 | 623 | 614 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 4,753,075.85 | 9.19 |
| K13045-K13043 | 18 | 228 | 0.004 | 28.4 | 934,994.94 | 2.66 | 334 | 333 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 5,313,415.34 | 4.57 |
| D08027-D08023 | 8 | 37 | 0.077 | 30.8 | 17,143.23 | 2.66 | 481 | 478.15 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,561,588.56 | 13.21 |
| C01003-D01017 | 8 | 321 | 0.009 | 34.3 | 225,100.89 | 2.66 | 634 | 631 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 892,269.23 | 4.60 |
| F12067-F12065 | 24 | 250 | 0.004 | 31.5 | 2,284,415.69 | 2.66 | 395 | 394 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 10,928,011.64 | 5.45 |
| F11009-F11007 | 24 | 251 | 0.004 | 34.1 | 2,383,262.49 | 2.67 | 392 | 391 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 10,906,220.96 | 5.44 |
| K12009-K12007 | 8 | 278 | 0.031 | 37.7 | 58,728.55 | 2.67 | 371 | 362.33 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,629,952.54 | 8.41 |
| F13057-F12079 | 15 | 247 | 0.008 | 30.9 | 765,878.91 | 2.67 | 404 | 402 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,439,741.87 | 5.72 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| K13047-K13045 | 18 | 227 | 0.004 | 28.3 | 932,769.90 | 2.67 | 335 | 334 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 5,325,106.04 | 4.58 |
| E09079-E09077 | 15 | 238 | 0.004 | 43.8 | 1,184,902.66 | 2.67 | 425 | 424 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,198,178.66 | 4.12 |
| D06027-D06025 | 8 | 213 | 0.023 | 22.5 | 76,176.11 | 2.67 | 543 | 538 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,414,109.40 | 7.29 |
| D06057-D06055 | 10 | 272 | 0.011 | 23.2 | 206,082.19 | 2.67 | 550 | 547 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,757,481.18 | 5.44 |
| D01011-D01009 | 8 | 303 | 0.01 | 34.7 | 237,717.79 | 2.67 | 620 | 617 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 918,389.95 | 4.74 |
| C01005-C01003 | 8 | 322 | 0.009 | 34.2 | 223,766.30 | 2.67 | 637 | 634 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 890,882.65 | 4.59 |
| F03089-F03085 | 15 | 112 | 0.009 | 24.5 | 486,803.13 | 2.68 | 526 | 525 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,662,106.48 | 6.01 |
| F03151-F03145 | 12 | 259 | 0.012 | 26.3 | 305,705.85 | 2.68 | 534 | 531 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,928,702.40 | 5.66 |
| D10065-D10025 | 8 | 288 | 0.031 | 19.6 | 42,416.28 | 2.69 | 448 | 439 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,631,596.70 | 8.41 |
| D01013-D01011 | 8 | 303 | 0.01 | 34.7 | 236,500.64 | 2.69 | 623 | 620 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 918,389.95 | 4.74 |
| E09009-E09007 | 18 | 444 | 0.005 | 33.5 | 1,092,818.04 | 2.69 | 433 | 431 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 5,384,739.54 | 4.63 |
| D14051-D14049 | 8 | 75 | 0.169 | 4.8 | 8,710.05 | 2.69 | 467 | 454.36 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,789,053.28 | 19.54 |
| F15091-F15089 | 12 | 254 | 0.016 | 20.6 | 312,632.07 | 2.69 | 453 | 449 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,414,897.21 | 6.60 |
| E12007-E12005 | 15 | 350 | 0.006 | 40.9 | 1,082,275.39 | 2.69 | 406 | 404 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,729,685.18 | 4.81 |
| F13065-F13063 | 15 | 250 | 0.008 | 30.9 | 753,714.35 | 2.7 | 409 | 407 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,413,023.02 | 5.69 |
| F08097-F08095 | 12 | 135 | 0.007 | 34.5 | 590,102.71 | 2.71 | 449 | 448 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,342,057.83 | 4.53 |
| F19013-F19011 | 8 | 350 | 0.051 | 9.8 | 37,494.34 | 2.71 | 588 | 570.27 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,077,342.72 | 10.71 |
| F17017-F17015 | 12 | 258 | 0.028 | 16.6 | 141,194.71 | 2.71 | 522.5 | 515.23 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 4,567,955.35 | 8.83 |
| E13025-E13023 | 12 | 377 | 0.008 | 50.5 | 604,176.53 | 2.71 | 427 | 424 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,427,473.24 | 4.69 |
| C04027-C04025 | 8 | 231 | 0.039 | 11.8 | 53,737.66 | 2.71 | 656 | 647 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,821,809.96 | 9.40 |
| F15099-F15097 | 12 | 247 | 0.016 | 20.8 | 303,114.30 | 2.72 | 464 | 460 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,462,948.37 | 6.70 |
| E09037-E09035 | 15 | 306 | 0.004 | 44.3 | 1,175,581.82 | 2.72 | 439 | 437.73 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,178,574.15 | 4.10 |
| E04047-E04045 | 10 | 335 | 0.012 | 27.7 | 283,912.77 | 2.72 | 540 | 536 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,828,614.25 | 5.66 |
| G06003-G06001 | 30 | 249 | 0.002 | 57.1 | 7,477,680.15 | 2.72 | 463.88 | 463.48 | Vitrified Clay Pipe-Circular-30 inch | 4.9 | 12,556,487.73 | 3.96 |
| F15095-F15091 | 12 | 247 | 0.016 | 20.3 | 310,380.48 | 2.72 | 457 | 453 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,462,948.37 | 6.70 |
| J11039-J11035 | 15 | 125 | 0.008 | 28.4 | 523,048.03 | 2.73 | 378 | 377 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,413,023.02 | 5.69 |
| D09017-D09015 | 8 | 309 | 0.006 | 49.7 | 336,940.44 | 2.73 | 443 | 441 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 742,546.35 | 3.83 |
| D07103-D07101 | 8 | 272 | 0.018 | 21 | 113,026.56 | 2.75 | 503 | 498 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,251,377.54 | 6.45 |
| D07069-D07067 | 8 | 336 | 0.012 | 37.5 | 208,267.64 | 2.75 | 516 | 512 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,007,043.35 | 5.19 |
| D06145-D06143 | 10 | 21 | 0.024 | 13.8 | 82,790.87 | 2.75 | 504 | 503.5 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,582,199.92 | 7.99 |
| F14109-F14107 | 12 | 186 | 0.016 | 21.1 | 333,488.51 | 2.76 | 441 | 438 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,455,959.57 | 6.68 |
| D09071-D09069 | 10 | 346 | 0.012 | 21.9 | 174,823.09 | 2.77 | 446 | 442 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,799,311.91 | 5.57 |
| C04025-C04023 | 8 | 169 | 0.041 | 13.4 | 54,047.74 | 2.77 | 647 | 640 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,878,423.34 | 9.69 |
| F14111-F14109 | 12 | 186 | 0.016 | 21 | 332,003.54 | 2.77 | 444 | 441 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,455,959.57 | 6.68 |
| E06001-E07031 | 8 | 225 | 0.009 | 39.8 | 290,641.84 | 2.77 | 501 | 499 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 870,184.91 | 4.49 |
| E05097-E05095 | 8 | 16 | 0.063 | 35.9 | 46,020.61 | 2.78 | 534 | 533 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,307,426.18 | 11.90 |
| J10007-J11041 | 15 | 229 | 0.009 | 22.3 | 504,735.58 | 2.78 | 381 | 379 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,610,929.22 | 5.95 |
| F15089-F14113 | 12 | 184 | 0.016 | 22.2 | 329,462.03 | 2.79 | 449 | 446 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,474,691.20 | 6.72 |
| C04029-C04027 | 8 | 257 | 0.047 | 11.2 | 47,597.35 | 2.79 | 668 | 656 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,994,398.18 | 10.29 |
| H11033-H11025 | 39 | 154 | 0.001 | 61.9 | 15,609,433.64 | 2.79 | 369.19 | 369 | Vitrified Clay Pipe-Circular-39 inch | 8.3 | 22,151,504.79 | 4.13 |
| F07067-F07065 | 12 | 272 | 0.011 | 24.8 | 366,728.65 | 2.79 | 466 | 463 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,857,858.18 | 5.53 |
| E07053-E07051 | 8 | 324 | 0.009 | 40.1 | 290,321.09 | 2.79 | 496 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 888,128.75 | 4.58 |
| E09069-E10021 | 18 | 365 | 0.005 | 30.3 | 1,188,760.40 | 2.8 | 422 | 420 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 5,938,951.17 | 5.10 |
| C04043-C04041 | 8 | 306 | 0.079 | 7 | 25,560.30 | 2.8 | 817.84 | 793.54 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,600,939.38 | 13.41 |
| D07099-D07097 | 8 | 252 | 0.016 | 24.2 | 142,398.54 | 2.8 | 493 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,162,833.49 | 6.00 |
| F07079-F07067 | 12 | 261 | 0.011 | 23.8 | 353,532.05 | 2.8 | 469 | 466 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,917,459.74 | 5.64 |
| L13131-L13129 | 10 | 13 | 0.038 | 9 | 54,630.76 | 2.81 | 317.5 | 317 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 3,281,918.82 | 10.16 |
| D08035-D08033 | 10 | 354 | 0.008 | 33 | 340,702.53 | 2.81 | 473 | 470 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,540,541.86 | 4.77 |
| D06105-D07105 | 8 | 297 | 0.024 | 17.9 | 88,724.21 | 2.81 | 515 | 508 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,416,963.30 | 7.31 |
| F14107-F14105 | 12 | 243 | 0.016 | 22.8 | 342,072.16 | 2.81 | 438 | 434 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,491,333.67 | 6.75 |
| F08111-F08109 | 12 | 337 | 0.012 | 27.7 | 370,151.47 | 2.82 | 457 | 453 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,964,691.74 | 5.73 |
| G08061-G08059 | 12 | 127 | 0.008 | 38.3 | 703,256.51 | 2.82 | 441 | 440 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,414,696.97 | 4.67 |
| G13093-G13091 | 10 | 136 | 0.015 | 22.3 | 173,712.02 | 2.83 | 388 | 386 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,029,364.47 | 6.28 |
| G09019-G09017 | 8 | 291 | 0.01 | 98.4 | 267,547.45 | 2.83 | 415 | 412 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 937,134.53 | 4.83 |
| F12071-F12069 | 15 | 251 | 0.011 | 46 | 768,172.67 | 2.83 | 398 | 395.36 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,060,067.40 | 6.52 |
| F03159-F03157 | 12 | 269 | 0.015 | 21.7 | 274,999.40 | 2.84 | 545 | 541 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,318,320.68 | 6.42 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| E14071-E14069 | 8 | 250 | 0.012 | 41.7 | 368,057.10 | 2.84 | 451 | 448 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,011,063.49 | 5.21 |
| E14061-E14059 | 10 | 269 | 0.011 | 39.4 | 429,762.25 | 2.84 | 438 | 435 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,767,254.09 | 5.47 |
| D10073-D09021 | 8 | 345 | 0.012 | 35.6 | 180,324.59 | 2.85 | 453 | 449 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 993,821.20 | 5.13 |
| F13077-F13075 | 15 | 251 | 0.01 | 26.3 | 729,122.34 | 2.86 | 416 | 413.6 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,824,584.97 | 6.22 |
| F03161-F03159 | 12 | 266 | 0.015 | 19.4 | 275,553.58 | 2.86 | 549 | 545 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,336,980.55 | 6.45 |
| D15073-D15071 | 8 | 173 | 0.243 | 3.3 | 7,539.42 | 2.87 | 550 | 508 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 4,547,674.80 | 23.45 |
| J12005-J12003 | 33 | 113 | 0.009 | 15.2 | 1,323,018.30 | 2.87 | 357 | 356 | Vitrified Clay Pipe-Circular-33 inch | 5.9 | 37,999,608.87 | 9.97 |
| D10131-D10129 | 8 | 336 | 0.018 | 20.6 | 114,288.08 | 2.87 | 490 | 484 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,233,371.17 | 6.36 |
| D07101-D07099 | 8 | 269 | 0.019 | 22.6 | 128,771.99 | 2.88 | 498 | 493 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,258,336.14 | 6.49 |
| E12009-E12007 | 15 | 572 | 0.007 | 35.6 | 1,039,459.85 | 2.88 | 410 | 406 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,125,942.59 | 5.32 |
| E14067-E14065 | 8 | 264 | 0.011 | 45.2 | 405,265.97 | 2.89 | 446 | 443 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 983,889.83 | 5.07 |
| E06009-E06007 | 8 | 325 | 0.012 | 32.9 | 221,306.32 | 2.9 | 514 | 510 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,023,943.80 | 5.28 |
| D05055-D05053 | 15 | 182 | 0.022 | 15.7 | 189,891.03 | 2.91 | 584 | 580 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 7,314,514.43 | 9.43 |
| E14069-E14067 | 8 | 153 | 0.013 | 42.7 | 367,865.95 | 2.91 | 448 | 446 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,055,254.20 | 5.44 |
| K11021-K11019 | 18 | 314 | 0.006 | 23.1 | 684,652.44 | 2.91 | 344 | 342 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 6,403,115.90 | 5.50 |
| F04139-F04137 | 15 | 258 | 0.012 | 22.8 | 551,391.84 | 2.92 | 516 | 513 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,320,371.69 | 6.86 |
| D10023-D10021 | 15 | 357 | 0.004 | 44 | 884,128.68 | 2.92 | 436 | 434.43 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,271,951.95 | 4.22 |
| D01009-D01007 | 8 | 309 | 0.013 | 32.4 | 239,270.13 | 2.92 | 617 | 613 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,050,119.11 | 5.42 |
| G10025-G10023 | 12 | 633 | 0.006 | 39.4 | 707,587.02 | 2.92 | 397 | 393 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,163,179.90 | 4.18 |
| D07097-D07091 | 8 | 244 | 0.016 | 25.9 | 158,724.70 | 2.93 | 489 | 485 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,181,742.60 | 6.09 |
| D10029-D10027 | 8 | 254 | 0.024 | 17.7 | 83,302.25 | 2.94 | 452 | 446 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,418,556.29 | 7.32 |
| D01017-D01015 | 8 | 324 | 0.012 | 32.5 | 234,317.03 | 2.94 | 631 | 627 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,025,522.75 | 5.29 |
| K11023-K11021 | 18 | 309 | 0.006 | 22 | 682,672.10 | 2.95 | 346 | 344 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 6,454,713.15 | 5.55 |
| F05103-F05037 | 15 | 311 | 0.013 | 47.7 | 565,923.59 | 2.95 | 504 | 500 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,595,527.06 | 7.21 |
| G13099-G13097 | 8 | 211 | 0.028 | 23.8 | 95,973.65 | 2.96 | 396 | 390 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,556,403.52 | 8.03 |
| G08057-G08055 | 12 | 55 | 0.009 | 67.3 | 702,745.92 | 2.96 | 439.5 | 439 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,594,586.51 | 5.02 |
| F07083-F07081 | 10 | 203 | 0.015 | 27.6 | 287,272.67 | 2.96 | 474 | 471 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,034,356.76 | 6.30 |
| E14063-E14061 | 10 | 230 | 0.013 | 32.6 | 413,590.40 | 2.96 | 441 | 438 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,911,222.36 | 5.91 |
| D11013-D11007 | 8 | 90 | 0.022 | 21.6 | 85,617.47 | 2.96 | 448 | 446 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,375,883.14 | 7.10 |
| E08043-E08039 | 15 | 21 | 0.012 | 24.3 | 363,508.44 | 2.96 | 457.25 | 457 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,383,336.86 | 6.94 |
| L14037-L14021 | 8 | 115 | 0.063 | 49.3 | 33,667.80 | 2.96 | 316 | 308.7 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,325,414.18 | 11.99 |
| F09015-F09013 | 18 | 706 | 0.007 | 27.7 | 1,131,440.84 | 2.97 | 425 | 420 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 6,751,866.40 | 5.80 |
| G05093-G05091 | 12 | 321 | 0.016 | 53.8 | 336,987.25 | 2.98 | 481 | 476 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,396,229.14 | 6.57 |
| D04079-D04077 | 8 | 59 | 0.034 | 17.8 | 86,746.86 | 2.98 | 580 | 578 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,699,326.38 | 8.76 |
| G10023-G10001 | 12 | 432 | 0.007 | 68.6 | 705,719.01 | 2.98 | 393 | 390 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,267,687.74 | 4.39 |
| G10009-G10007 | 24 | 589 | 0.005 | 44 | 2,454,910.48 | 2.98 | 404 | 401 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 12,331,449.62 | 6.15 |
| G15041-G15039 | 8 | 202 | 0.134 | 4.9 | 10,683.88 | 2.99 | 449 | 422 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,374,380.13 | 17.40 |
| E07027-E07063 | 8 | 309 | 0.024 | 20.7 | 109,611.07 | 2.99 | 496.3 | 489 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,418,632.80 | 7.32 |
| G08073-G08071 | 12 | 105 | 0.01 | 37.2 | 663,800.06 | 3 | 444 | 443 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,655,643.96 | 5.14 |
| E06033-E06025 | 10 | 271 | 0.015 | 28.1 | 228,155.24 | 3 | 493 | 489 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,033,105.24 | 6.29 |
| D05041-D05117 | 15 | 398 | 0.008 | 37.7 | 650,400.28 | 3 | 558 | 555 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,283,613.62 | 5.52 |
| E13027-E13025 | 12 | 190 | 0.011 | 32.8 | 604,394.73 | 3 | 429 | 427 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,791,918.24 | 5.40 |
| D09069-D09067 | 10 | 319 | 0.013 | 29.5 | 212,200.12 | 3.01 | 442 | 438 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,873,911.87 | 5.80 |
| D01007-D01005 | 8 | 209 | 0.014 | 31.6 | 239,666.94 | 3.01 | 613 | 610 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,105,796.70 | 5.70 |
| D11041-D11027 | 8 | 199 | 0.041 | 12.4 | 44,006.51 | 3.01 | 482.03 | 473.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,876,986.66 | 9.68 |
| D01015-D01013 | 8 | 294 | 0.014 | 33.2 | 235,228.40 | 3.02 | 627 | 623 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,076,574.62 | 5.55 |
| F10003-F10001 | 24 | 363 | 0.006 | 30.8 | 2,361,734.80 | 3.03 | 410 | 408 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 12,825,456.69 | 6.40 |
| D12027-D12025 | 8 | 98 | 0.02 | 25.5 | 150,632.64 | 3.03 | 434 | 432 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,318,529.25 | 6.80 |
| D11019-D10121 | 8 | 259 | 0.023 | 19.8 | 98,730.54 | 3.04 | 464 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,404,796.93 | 7.25 |
| D10027-D10025 | 8 | 324 | 0.022 | 23.5 | 107,229.13 | 3.04 | 446 | 439 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,356,639.08 | 7.00 |
| C04037-C04035 | 8 | 212 | 0.07 | 8.8 | 38,957.81 | 3.05 | 725.61 | 710.71 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,446,881.91 | 12.62 |
| J11041-J11039 | 15 | 91 | 0.011 | 22.3 | 520,638.77 | 3.05 | 379 | 378 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,172,142.75 | 6.67 |
| F14053-F14051 | 15 | 255 | 0.012 | 24.4 | 700,450.92 | 3.05 | 427 | 424 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,351,576.48 | 6.90 |
| D11095-D11093 | 15 | 319 | 0.003 | 58.3 | 1,775,055.21 | 3.06 | 427 | 426 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 2,762,459.11 | 3.56 |
| D06001-D07069 | 8 | 298 | 0.02 | 27.3 | 160,713.24 | 3.06 | 522 | 516 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,309,650.16 | 6.75 |
| K13043-K13041 | 18 | 300 | 0.007 | 25.5 | 933,618.19 | 3.06 | 333 | 331 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 6,550,818.39 | 5.63 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| D07091-D07089 | 8 | 373 | 0.016 | 28.1 | 187,492.12 | 3.06 | 485 | 479 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,170,601.34 | 6.04 |
| F14049-F13079 | 15 | 249 | 0.012 | 24.6 | 704,813.25 | 3.06 | 422 | 419 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,415,669.50 | 6.98 |
| G15061-G15059 | 8 | 299 | 0.117 | 6.4 | 14,574.48 | 3.07 | 463 | 428 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,157,811.74 | 16.29 |
| E06039-E06033 | 10 | 297 | 0.017 | 21.8 | 210,899.84 | 3.08 | 498 | 493 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,171,307.27 | 6.72 |
| F07085-F07083 | 10 | 56 | 0.018 | 24.4 | 268,287.37 | 3.08 | 475 | 474 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,236,250.73 | 6.92 |
| F10005-F10003 | 24 | 351 | 0.006 | 28.9 | 2,363,145.07 | 3.09 | 412 | 410 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 13,042,852.79 | 6.51 |
| F13079-F13077 | 15 | 252 | 0.012 | 25.5 | 723,827.21 | 3.09 | 419 | 416 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,383,336.86 | 6.94 |
| G11019-G11017 | 27 | 614 | 0.003 | 37.9 | 4,126,709.65 | 3.1 | 382 | 380 | Vitrified Clay Pipe-Circular-27 inch | 4 | 13,500,463.90 | 5.22 |
| E10021-E10007 | 18 | 396 | 0.007 | 36.8 | 1,194,097.37 | 3.1 | 420 | 417.06 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 6,913,011.21 | 5.94 |
| D11005-D11003 | 8 | 59 | 0.017 | 29.8 | 142,928.24 | 3.1 | 444 | 443 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,201,605.21 | 6.20 |
| C04033-C04031 | 8 | 303 | 0.065 | 9.6 | 45,461.85 | 3.11 | 691.84 | 672 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,361,768.51 | 12.18 |
| E12001-F12107 | 18 | 254 | 0.008 | 32.9 | 1,357,537.19 | 3.12 | 402 | 400 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 7,119,333.35 | 6.12 |
| K12065-K13067 | 12 | 263 | 0.019 | 19.2 | 172,174.45 | 3.12 | 345 | 340 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,752,075.99 | 7.26 |
| L14017-L14015 | 12 | 43 | 0.012 | 39.7 | 973,539.84 | 3.13 | 307.5 | 307 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,934,372.69 | 5.68 |
| F11005-F11003 | 27 | 614 | 0.003 | 37.7 | 4,075,998.56 | 3.13 | 387 | 385 | Vitrified Clay Pipe-Circular-27 inch | 4 | 13,500,463.90 | 5.22 |
| J15007-J15005 | 12 | 73 | 0.014 | 25.4 | 328,721.50 | 3.13 | 329 | 328 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,184,953.29 | 6.16 |
| D09041-D09039 | 8 | 54 | 0.019 | 29.2 | 130,354.84 | 3.14 | 448 | 447 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,256,003.72 | 6.48 |
| E11113-E11111 | 15 | 270 | 0.004 | 55.6 | 1,791,063.57 | 3.15 | 417 | 416 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,002,681.84 | 3.87 |
| E03239-E03237 | 12 | 106 | 0.019 | 20 | 277,200.86 | 3.16 | 557 | 555 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,737,890.40 | 7.23 |
| E05079-E05073 | 10 | 93 | 0.011 | 38.3 | 539,177.43 | 3.16 | 527 | 526 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,735,293.88 | 5.37 |
| E07001-E08041 | 12 | 348 | 0.009 | 34.6 | 651,648.21 | 3.16 | 468 | 465 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,526,594.25 | 4.89 |
| E11119-E11113 | 15 | 267 | 0.004 | 55.5 | 1,790,755.23 | 3.17 | 418 | 417 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,019,503.72 | 3.89 |
| D06055-D06053 | 10 | 233 | 0.017 | 21.4 | 219,918.94 | 3.17 | 547 | 543 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,192,636.02 | 6.79 |
| D10129-D10127 | 8 | 336 | 0.024 | 19.3 | 115,512.23 | 3.18 | 484 | 476 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,424,174.36 | 7.35 |
| E07039-E07037 | 10 | 444 | 0.009 | 41.3 | 567,485.22 | 3.19 | 479 | 475 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,588,374.91 | 4.92 |
| J12035-J12033 | 42 | 177 | 0.002 | 61.4 | 16,680,151.13 | 3.19 | 358 | 357.66 | Vitrified Clay Pipe-Circular-42 inch | 9.6 | 33,679,484.97 | 5.43 |
| D10017-D10015 | 8 | 33 | 0.098 | 52.9 | 21,337.04 | 3.19 | 437 | 433.78 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,883,093.81 | 14.87 |
| D09019-D09017 | 8 | 349 | 0.011 | 41.9 | 282,098.93 | 3.2 | 447 | 443 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 988,109.53 | 5.10 |
| D07089-D08035 | 8 | 366 | 0.016 | 34.5 | 217,407.98 | 3.21 | 479 | 473 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,181,742.60 | 6.09 |
| D10009-D10007 | 15 | 280 | 0.004 | 51.6 | 1,609,035.78 | 3.22 | 431.8 | 430.73 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,050,029.73 | 3.93 |
| H12015-H12013 | 12 | 59 | 0.034 | 42 | 611,026.70 | 3.22 | 366 | 364 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 5,010,181.86 | 9.69 |
| E11131-E11129 | 15 | 259 | 0.004 | 54.4 | 1,763,959.06 | 3.23 | 422 | 421 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,065,782.33 | 3.95 |
| E06003-E06001 | 8 | 218 | 0.014 | 37.6 | 288,832.93 | 3.23 | 504 | 501 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,082,730.04 | 5.58 |
| E11133-E11131 | 15 | 261 | 0.004 | 54.6 | 1,767,802.63 | 3.24 | 423 | 422 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,054,013.45 | 3.94 |
| E05087-E05081 | 10 | 173 | 0.012 | 37.2 | 531,919.49 | 3.24 | 531 | 529 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,799,311.91 | 5.57 |
| C04035-C04033 | 8 | 235 | 0.08 | 9.2 | 41,481.81 | 3.25 | 710.71 | 691.84 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,615,410.28 | 13.49 |
| E07041-E07039 | 10 | 320 | 0.009 | 41.1 | 568,535.60 | 3.25 | 482 | 479 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,620,317.59 | 5.01 |
| D10127-D10125 | 8 | 272 | 0.026 | 19 | 116,787.18 | 3.25 | 476 | 469 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,480,649.88 | 7.64 |
| E05073-E05065 | 10 | 257 | 0.012 | 37.7 | 545,298.89 | 3.26 | 526 | 523 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,808,042.25 | 5.59 |
| F09013-F10013 | 18 | 622 | 0.01 | 36 | 1,134,105.66 | 3.28 | 420 | 414 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 7,879,916.61 | 6.77 |
| J12033-J12031 | 42 | 340 | 0.002 | 76.4 | 16,679,884.86 | 3.28 | 357.66 | 356.95 | Vitrified Clay Pipe-Circular-42 inch | 9.6 | 35,115,781.02 | 5.66 |
| C11005-C11003 | 8 | 171 | 0.041 | 12.9 | 60,620.53 | 3.28 | 547 | 540 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,867,406.10 | 9.63 |
| D08007-D08005 | 15 | 309 | 0.006 | 37 | 1,158,926.04 | 3.29 | 456 | 454 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,969,419.12 | 5.12 |
| D05047-D05045 | 15 | 203 | 0.01 | 24.1 | 622,989.13 | 3.29 | 568 | 566 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,897,316.57 | 6.31 |
| H10015-H10013 | 8 | 19 | 0.026 | 28.7 | 144,644.56 | 3.29 | 392 | 391.5 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,497,255.82 | 7.72 |
| E07003-E07001 | 12 | 206 | 0.01 | 34 | 645,093.33 | 3.3 | 470 | 468 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,681,302.95 | 5.19 |
| F13075-F13067 | 15 | 251 | 0.014 | 27.2 | 740,439.61 | 3.3 | 413.6 | 410 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,908,885.70 | 7.62 |
| C11003-C11001 | 8 | 343 | 0.038 | 13.4 | 69,311.39 | 3.32 | 540 | 527 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,796,852.48 | 9.27 |
| E13031-E13029 | 10 | 221 | 0.018 | 37.7 | 429,139.40 | 3.32 | 434 | 430 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,251,377.74 | 6.97 |
| G11001-H11051 | 39 | 260 | 0.002 | 53.8 | 15,628,962.89 | 3.32 | 373.5 | 373 | Vitrified Clay Pipe-Circular-39 inch | 8.3 | 27,655,729.72 | 5.16 |
| E02019-E02015 | 8 | 221 | 0.033 | 29.8 | 97,233.33 | 3.33 | 578.53 | 571.14 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,687,772.43 | 8.70 |
| G11009-G11001 | 39 | 260 | 0.002 | 53.8 | 15,633,722.54 | 3.34 | 374 | 373.5 | Vitrified Clay Pipe-Circular-39 inch | 8.3 | 27,655,729.72 | 5.16 |
| D06053-D06025 | 10 | 258 | 0.019 | 22.3 | 228,958.90 | 3.34 | 543 | 538 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,329,644.52 | 7.21 |
| E09023-E09085 | 15 | 93 | 0.011 | 35.6 | 1,176,547.61 | 3.35 | 432 | 431 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,329,114.35 | 5.58 |
| D17023-D17021 | 8 | 17 | 0.235 | 11.7 | 13,204.62 | 3.35 | 514 | 510 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 4,477,064.41 | 23.09 |
| C10031-C10029 | 8 | 55 | 0.036 | 16.9 | 77,567.89 | 3.35 | 513 | 511 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,760,035.63 | 9.08 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| K12031-K12029 | 18 | 22 | 0.009 | 21.4 | 767,066.20 | 3.36 | 339.2 | 339 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 7,649,707.80 | 6.58 |
| F11001-G11019 | 27 | 537 | 0.004 | 36.9 | 4,123,890.34 | 3.36 | 384.15 | 382 | Vitrified Clay Pipe-Circular-27 inch | 4 | 14,967,524.12 | 5.79 |
| E09039-E09037 | 15 | 267 | 0.007 | 39 | 1,175,859.11 | 3.37 | 441 | 439 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,270,223.11 | 5.51 |
| J12049-J12037 | 39 | 824 | 0.002 | 52.7 | 16,121,867.52 | 3.37 | 361 | 359.19 | Vitrified Clay Pipe-Circular-39 inch | 8.3 | 29,557,144.55 | 5.51 |
| H11019-H11017 | 39 | 467 | 0.002 | 52 | 15,596,087.87 | 3.37 | 368 | 367 | Vitrified Clay Pipe-Circular-39 inch | 8.3 | 29,182,893.73 | 5.44 |
| E09085-E09083 | 15 | 253 | 0.008 | 35.4 | 1,177,912.42 | 3.37 | 431 | 429 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,386,780.83 | 5.66 |
| F14051-F14049 | 15 | 126 | 0.016 | 23.5 | 702,948.25 | 3.37 | 424 | 422 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 6,216,141.97 | 8.01 |
| D08023-D08021 | 12 | 249 | 0.009 | 41.7 | 745,732.05 | 3.37 | 478.15 | 476 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,528,622.83 | 4.89 |
| E05081-E05079 | 10 | 155 | 0.013 | 37.4 | 539,067.98 | 3.38 | 529 | 527 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,900,919.20 | 5.88 |
| E05089-E05087 | 10 | 77 | 0.013 | 36.7 | 531,530.94 | 3.38 | 532 | 531 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,907,081.03 | 5.90 |
| E06007-E06005 | 8 | 194 | 0.015 | 34.3 | 289,229.93 | 3.39 | 510 | 507 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,147,750.71 | 5.92 |
| G08049-G09073 | 24 | 339 | 0.003 | 72 | 8,148,546.65 | 3.39 | 429 | 428 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 9,384,503.57 | 4.68 |
| E08005-E08003 | 15 | 268 | 0.007 | 35.7 | 1,162,686.78 | 3.4 | 450 | 448 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,262,248.83 | 5.50 |
| E07043-E07041 | 10 | 286 | 0.01 | 40.3 | 569,469.18 | 3.41 | 485 | 482 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,713,926.21 | 5.30 |
| E06005-E06003 | 8 | 189 | 0.016 | 34.7 | 289,728.00 | 3.42 | 507 | 504 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,162,833.49 | 6.00 |
| F05069-F05039 | 24 | 386 | 0.003 | 63.8 | 6,483,915.93 | 3.42 | 502 | 501 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 8,794,628.54 | 4.39 |
| E09083-E09081 | 15 | 240 | 0.008 | 34.9 | 1,179,587.88 | 3.42 | 429 | 427 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,504,022.76 | 5.81 |
| F08101-F08099 | 12 | 14 | 0.014 | 36.1 | 583,500.43 | 3.42 | 450 | 449.8 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,252,486.32 | 6.29 |
| G05089-G06013 | 24 | 866 | 0.003 | 70.9 | 7,508,809.59 | 3.44 | 472.8 | 470.54 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 8,826,863.83 | 4.41 |
| H11015-J11025 | 39 | 633 | 0.002 | 50.4 | 15,550,744.80 | 3.45 | 365 | 363.5 | Vitrified Clay Pipe-Circular-39 inch | 8.3 | 30,699,448.13 | 5.72 |
| E09057-E09009 | 15 | 468 | 0.009 | 34.8 | 1,072,175.61 | 3.45 | 437 | 433 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,561,401.16 | 5.88 |
| E09081-E09079 | 15 | 232 | 0.009 | 38.4 | 1,182,861.37 | 3.45 | 427 | 425 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,581,020.18 | 5.91 |
| G08081-G08079 | 12 | 36 | 0.014 | 39.4 | 657,978.63 | 3.46 | 445.29 | 444.78 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,238,905.94 | 6.26 |
| D01005-D01003 | 8 | 232 | 0.022 | 88.4 | 239,816.78 | 3.46 | 610 | 605 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,354,967.31 | 6.99 |
| E07005-E07003 | 12 | 356 | 0.011 | 32.7 | 641,967.49 | 3.49 | 474 | 470 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,884,493.04 | 5.58 |
| E08035-E08015 | 15 | 472 | 0.008 | 32.6 | 1,045,862.84 | 3.49 | 449 | 445 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,542,032.06 | 5.86 |
| J11023-J11021 | 39 | 648 | 0.002 | 51.3 | 16,074,764.08 | 3.49 | 363 | 361.46 | Vitrified Clay Pipe-Circular-39 inch | 8.3 | 30,743,949.03 | 5.73 |
| D10123-D10121 | 8 | 306 | 0.033 | 19.7 | 116,364.79 | 3.51 | 468 | 458 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,668,503.39 | 8.61 |
| D08031-D08015 | 10 | 61 | 0.016 | 38.9 | 341,003.83 | 3.51 | 469 | 468 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,142,641.89 | 6.63 |
| D06059-D06057 | 8 | 283 | 0.025 | 26.4 | 180,966.43 | 3.51 | 557 | 550 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,451,588.80 | 7.49 |
| D06023-D06021 | 10 | 268 | 0.015 | 28.9 | 372,902.62 | 3.52 | 532 | 528 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,044,452.89 | 6.33 |
| D08013-D08011 | 15 | 325 | 0.008 | 34.5 | 1,105,434.10 | 3.52 | 465.5 | 463 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,327,325.09 | 5.58 |
| C11007-C11005 | 8 | 172 | 0.052 | 11.8 | 57,210.90 | 3.53 | 556 | 547 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,111,275.16 | 10.89 |
| G11017-G11013 | 27 | 616 | 0.005 | 54.3 | 4,126,256.92 | 3.53 | 380 | 377 | Vitrified Clay Pipe-Circular-27 inch | 4 | 16,507,760.18 | 6.39 |
| D09015-D09013 | 12 | 347 | 0.009 | 40.9 | 658,449.84 | 3.54 | 441 | 438 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 2,530,232.26 | 4.89 |
| D05119-D05117 | 24 | 332 | 0.003 | 52.8 | 5,202,360.31 | 3.54 | 556 | 555 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 9,482,920.53 | 4.73 |
| G11013-G11011 | 39 | 909 | 0.002 | 51.6 | 15,619,243.87 | 3.55 | 377 | 375 | Vitrified Clay Pipe-Circular-39 inch | 8.3 | 29,581,476.71 | 5.51 |
| E09059-E09057 | 15 | 442 | 0.009 | 32.7 | 1,070,959.81 | 3.55 | 441 | 437 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,693,643.07 | 6.05 |
| K12035-K12033 | 18 | 96 | 0.01 | 24.7 | 763,592.46 | 3.56 | 341 | 340 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 8,188,522.98 | 7.04 |
| D04111-D04075 | 24 | 355 | 0.003 | 53.5 | 5,132,101.17 | 3.56 | 576 | 575 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 9,170,583.65 | 4.58 |
| K12029-K12027 | 18 | 46 | 0.011 | 27.3 | 766,976.06 | 3.57 | 339 | 338.5 | Vitrified Clay Pipe-Circular-18 inch | 1.8 | 8,364,640.40 | 7.19 |
| K12013-J12021 | 21 | 387 | 0.015 | 31.6 | 791,786.49 | 3.59 | 365 | 359.06 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 14,993,523.38 | 9.67 |
| F05073-F05071 | 24 | 342 | 0.003 | 61.3 | 6,481,811.01 | 3.6 | 504 | 503 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 9,343,252.81 | 4.66 |
| D07081-D07067 | 10 | 130 | 0.015 | 32.7 | 408,802.20 | 3.61 | 514 | 512 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,075,667.71 | 6.42 |
| D08015-D08013 | 15 | 304 | 0.008 | 34.2 | 1,106,248.71 | 3.63 | 468 | 465.5 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,474,292.91 | 5.77 |
| E05031-E05029 | 24 | 325 | 0.003 | 56.7 | 5,892,908.93 | 3.65 | 520 | 519 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 9,584,500.24 | 4.78 |
| E08003-E09043 | 15 | 326 | 0.009 | 33.9 | 1,168,946.38 | 3.65 | 448 | 445 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,733,071.08 | 6.10 |
| E08037-E08035 | 15 | 413 | 0.01 | 32 | 1,033,443.10 | 3.66 | 453 | 449 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,855,636.52 | 6.26 |
| D12037-D12035 | 8 | 150 | 0.04 | 19.8 | 120,016.74 | 3.66 | 446 | 440 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,845,940.94 | 9.52 |
| E08039-E08037 | 15 | 413 | 0.01 | 31.2 | 1,018,341.58 | 3.66 | 457 | 453 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,855,636.52 | 6.26 |
| D08009-D08007 | 15 | 337 | 0.009 | 35.1 | 1,103,836.37 | 3.67 | 459 | 456 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,655,184.27 | 6.00 |
| D10125-D10123 | 8 | 27 | 0.037 | 17.6 | 116,398.57 | 3.67 | 469 | 468 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,776,257.50 | 9.16 |
| H11035-H11033 | 39 | 273 | 0.003 | 55.3 | 15,618,549.83 | 3.68 | 369.92 | 369.19 | Vitrified Clay Pipe-Circular-39 inch | 8.3 | 32,611,209.05 | 6.08 |
| K12015-K12013 | 21 | 181 | 0.017 | 15.5 | 791,786.49 | 3.7 | 368 | 365 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 15,580,712.04 | 10.04 |
| C11001-C10031 | 8 | 294 | 0.048 | 13.8 | 77,830.65 | 3.71 | 527 | 513 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,014,086.69 | 10.39 |
| C04041-C04039 | 8 | 319 | 0.166 | 7.6 | 28,811.93 | 3.72 | 793.54 | 740.51 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,763,165.16 | 19.41 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| E07045-E07043 | 10 | 222 | 0.014 | 38.4 | 571,081.85 | 3.74 | 488 | 485 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,945,354.03 | 6.02 |
| H11039-H11035 | 39 | 260 | 0.003 | 48.4 | 15,624,172.41 | 3.76 | 370.65 | 369.92 | Vitrified Clay Pipe-Circular-39 inch | 8.3 | 33,416,545.36 | 6.23 |
| G06013-G06011 | 24 | 364 | 0.003 | 63.7 | 7,497,744.41 | 3.76 | 470.54 | 469.27 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 10,206,158.81 | 5.09 |
| E08015-E09059 | 15 | 382 | 0.01 | 31.9 | 1,071,286.49 | 3.76 | 445 | 441 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,048,815.65 | 6.51 |
| D11093-E11133 | 15 | 527 | 0.006 | 51.6 | 1,769,450.05 | 3.76 | 426 | 423 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,722,601.25 | 4.80 |
| H11049-H11041 | 39 | 288 | 0.003 | 48.1 | 15,629,550.91 | 3.78 | 371.83 | 371.02 | Vitrified Clay Pipe-Circular-39 inch | 8.3 | 33,445,143.18 | 6.23 |
| D05051-D05049 | 15 | 207 | 0.014 | 21.8 | 617,591.76 | 3.79 | 574 | 571 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,939,729.32 | 7.66 |
| E12043-E12025 | 12 | 140 | 0.021 | 100 | 725,075.37 | 3.79 | 417 | 414 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,983,465.93 | 7.70 |
| E07033-E07053 | 8 | 91 | 0.022 | 35.3 | 289,245.00 | 3.79 | 498 | 496 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,368,302.46 | 7.06 |
| E11065-E11063 | 15 | 332 | 0.007 | 47.2 | 1,812,122.51 | 3.8 | 406.72 | 404.53 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,007,229.49 | 5.17 |
| E11107-E11073 | 15 | 364 | 0.007 | 46.6 | 1,792,225.59 | 3.84 | 411.67 | 409.23 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,039,572.63 | 5.21 |
| E05065-E05027 | 10 | 325 | 0.018 | 68.4 | 554,775.32 | 3.85 | 523 | 517 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,273,780.06 | 7.04 |
| J11021-J12049 | 39 | 144 | 0.003 | 49.9 | 16,120,582.99 | 3.85 | 361.46 | 361 | Vitrified Clay Pipe-Circular-39 inch | 8.3 | 35,643,838.21 | 6.64 |
| D02053-D02051 | 24 | 323 | 0.003 | 50.4 | 4,867,762.56 | 3.85 | 603 | 602 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 9,614,127.82 | 4.80 |
| D05045-D05043 | 15 | 194 | 0.015 | 21.6 | 627,092.92 | 3.86 | 566 | 563 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 6,135,514.15 | 7.91 |
| D05049-D05047 | 15 | 194 | 0.015 | 22.8 | 621,148.32 | 3.86 | 571 | 568 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 6,135,514.15 | 7.91 |
| F11027-F11025 | 15 | 499 | 0.007 | 46.4 | 1,843,592.97 | 3.87 | 398.6 | 395 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,190,754.08 | 5.40 |
| E07037-E07005 | 10 | 62 | 0.016 | 36.9 | 567,454.59 | 3.89 | 475 | 474 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,125,292.28 | 6.58 |
| E11061-F11027 | 15 | 494 | 0.007 | 46.3 | 1,824,195.31 | 3.89 | 402.16 | 398.6 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,188,444.10 | 5.40 |
| H11041-H11039 | 39 | 119 | 0.003 | 47.4 | 15,623,109.78 | 3.9 | 371.02 | 370.65 | Vitrified Clay Pipe-Circular-39 inch | 8.3 | 35,165,287.73 | 6.56 |
| E09043-E09039 | 15 | 356 | 0.011 | 34 | 1,170,062.95 | 3.9 | 445 | 441 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,229,933.85 | 6.74 |
| D01001-D02053 | 24 | 315 | 0.003 | 50 | 4,812,203.67 | 3.9 | 604 | 603 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 9,735,446.54 | 4.86 |
| E11063-E11061 | 15 | 327 | 0.007 | 46 | 1,807,668.73 | 3.9 | 404.53 | 402.16 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,200,408.18 | 5.42 |
| F05071-F05069 | 24 | 267 | 0.004 | 60.2 | 6,472,900.68 | 3.91 | 503 | 502 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 10,574,394.84 | 5.28 |
| D06019-D06017 | 10 | 318 | 0.019 | 28.6 | 412,276.40 | 3.92 | 527 | 521 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,298,669.71 | 7.11 |
| E11127-E11119 | 15 | 148 | 0.007 | 50.8 | 1,770,395.10 | 3.92 | 419 | 418 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,055,648.81 | 5.23 |
| E11109-E11107 | 15 | 333 | 0.007 | 46.4 | 1,794,616.51 | 3.93 | 414 | 411.67 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,127,119.49 | 5.32 |
| F11025-F11007 | 15 | 520 | 0.008 | 52.5 | 1,844,132.60 | 3.94 | 395 | 391 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,327,325.09 | 5.58 |
| D01003-D01001 | 24 | 310 | 0.003 | 49.6 | 4,814,025.68 | 3.95 | 605 | 604 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 9,813,644.15 | 4.90 |
| D07065-D07063 | 10 | 287 | 0.014 | 39.3 | 644,796.23 | 3.95 | 504 | 500 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 1,975,620.65 | 6.11 |
| D10005-D11095 | 15 | 317 | 0.006 | 52.8 | 1,775,850.80 | 3.95 | 429 | 427 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 3,919,011.75 | 5.05 |
| D08011-D08009 | 15 | 366 | 0.011 | 32.3 | 1,105,074.52 | 3.96 | 463 | 459 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,157,991.86 | 6.65 |
| C04031-C04029 | 8 | 30 | 0.133 | 9.4 | 46,141.80 | 3.99 | 672 | 668 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 3,370,211.65 | 17.38 |
| E03243-E03241 | 10 | 29 | 0.037 | 22.5 | 255,490.66 | 4 | 560.07 | 559 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 3,214,455.36 | 9.95 |
| D06025-D06023 | 10 | 242 | 0.025 | 26.1 | 315,494.46 | 4.01 | 538 | 532 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,635,011.11 | 8.15 |
| D06021-D06019 | 10 | 50 | 0.02 | 28.4 | 412,560.51 | 4.01 | 528 | 527 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,366,625.32 | 7.32 |
| D05043-D05041 | 15 | 284 | 0.018 | 23.6 | 630,231.58 | 4.03 | 563 | 558 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 6,546,618.47 | 8.44 |
| D08005-D08003 | 15 | 171 | 0.012 | 31.7 | 1,159,879.19 | 4.03 | 454 | 452 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,335,905.65 | 6.88 |
| C10023-C10021 | 8 | 159 | 0.057 | 13.8 | 89,118.16 | 4.03 | 506 | 497 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,195,889.59 | 11.33 |
| E11073-E11065 | 15 | 318 | 0.008 | 46 | 1,808,982.85 | 4.06 | 409.23 | 406.72 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,383,434.28 | 5.65 |
| D10007-D10005 | 15 | 256 | 0.007 | 46.8 | 1,776,677.36 | 4.07 | 430.73 | 429 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,055,965.65 | 5.23 |
| H11025-H11019 | 39 | 275 | 0.004 | 48.3 | 15,604,142.67 | 4.08 | 369 | 368 | Vitrified Clay Pipe-Circular-39 inch | 8.3 | 38,029,485.25 | 7.09 |
| E11111-E11109 | 15 | 258 | 0.008 | 45.4 | 1,794,028.65 | 4.09 | 416 | 414 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,344,065.29 | 5.60 |
| D08003-D08001 | 15 | 81 | 0.012 | 38.1 | 1,159,888.89 | 4.09 | 452 | 451 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 5,482,121.92 | 7.07 |
| F11007-F11005 | 24 | 611 | 0.007 | 39.7 | 4,091,604.89 | 4.09 | 391 | 387 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 13,980,430.46 | 6.98 |
| D03085-D03061 | 24 | 251 | 0.004 | 47.9 | 5,074,469.11 | 4.1 | 589 | 588 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 10,906,220.96 | 5.44 |
| G09013-G10021 | 24 | 400 | 0.005 | 61 | 8,409,195.95 | 4.1 | 408 | 406 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 12,217,888.44 | 6.10 |
| D07061-D07059 | 10 | 397 | 0.015 | 39.8 | 677,470.43 | 4.11 | 497 | 491 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,057,286.99 | 6.37 |
| D07059-D07001 | 10 | 334 | 0.015 | 40.1 | 693,325.16 | 4.11 | 491 | 486 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,047,511.16 | 6.34 |
| E11129-E11127 | 15 | 255 | 0.008 | 45.3 | 1,770,861.39 | 4.15 | 421 | 419 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 4,369,543.90 | 5.63 |
| D06017-D07081 | 10 | 310 | 0.023 | 28.7 | 410,438.64 | 4.15 | 521 | 514 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,514,679.73 | 7.78 |
| D05053-D05051 | 15 | 320 | 0.019 | 21.1 | 613,833.64 | 4.16 | 580 | 574 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 6,756,034.14 | 8.71 |
| K13035-K13001 | 21 | 166 | 0.018 | 16.3 | 939,919.93 | 4.16 | 322 | 319 | Vitrified Clay Pipe-Circular-21 inch | 2.4 | 16,269,437.75 | 10.49 |
| D02011-D02003 | 24 | 249 | 0.004 | 47.3 | 4,978,806.97 | 4.16 | 594 | 593 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 10,949,933.45 | 5.47 |
| E07031-E07033 | 8 | 34 | 0.029 | 30.1 | 289,367.10 | 4.19 | 499 | 498 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,582,881.30 | 8.16 |
| D03097-D03087 | 24 | 236 | 0.004 | 47.1 | 5,075,396.14 | 4.22 | 591 | 590 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 11,247,477.98 | 5.61 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|------------------------|----------------|-----------------------------|
| E08041-E08039 | 12 | 399 | 0.02 | 33.4 | 656,782.47 | 4.25 | 465 | 457 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,853,213.24 | 7.45 |
| G11011-G11009 | 39 | 263 | 0.004 | 48.9 | 15,605,211.46 | 4.25 | 375 | 374 | Vitrified Clay Pipe-Circular-39 inch | 8.3 | 38,887,401.11 | 7.25 |
| H11017-H11015 | 39 | 474 | 0.004 | 46.6 | 15,570,610.59 | 4.25 | 367 | 365 | Vitrified Clay Pipe-Circular-39 inch | 8.3 | 40,964,968.10 | 7.64 |
| D10119-D10009 | 8 | 433 | 0.03 | 61.3 | 233,905.14 | 4.25 | 445 | 431.8 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,611,501.91 | 8.31 |
| D03099-D03097 | 24 | 230 | 0.004 | 46.9 | 5,078,489.42 | 4.27 | 592 | 591 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 11,393,239.72 | 5.69 |
| D08019-D08017 | 12 | 59 | 0.017 | 31.5 | 764,229.33 | 4.28 | 475 | 474 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,542,733.57 | 6.85 |
| G06011-G06009 | 24 | 330 | 0.005 | 56.3 | 7,492,892.30 | 4.28 | 469.27 | 467.59 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 12,328,459.82 | 6.15 |
| G06009-G06007 | 24 | 334 | 0.005 | 55.9 | 7,488,872.30 | 4.3 | 467.59 | 465.85 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 12,471,323.47 | 6.22 |
| E05147-E05145 | 24 | 423 | 0.005 | 52.5 | 6,439,468.46 | 4.31 | 512 | 510 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 11,881,081.29 | 5.93 |
| D11001-D10007 | 8 | 284 | 0.04 | 53.5 | 165,491.74 | 4.33 | 442 | 430.73 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 1,838,614.14 | 9.48 |
| F16025-F16023 | 4 | 13 | 0.077 | 52.9 | 172,055.12 | 4.35 | 490 | 489 | Vitrified Clay Pipe-Circular-4 inch | 0.1 | 403,152.61 | 6.24 |
| D03087-D03085 | 24 | 213 | 0.005 | 46.8 | 5,076,770.97 | 4.36 | 590 | 589 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 11,839,172.58 | 5.91 |
| G08051-G08049 | 24 | 334 | 0.006 | 64.2 | 8,153,441.29 | 4.38 | 431 | 429 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 13,370,662.22 | 6.67 |
| D08017-D08015 | 12 | 328 | 0.018 | 36.7 | 770,213.03 | 4.41 | 474 | 468 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,680,469.32 | 7.12 |
| J12029-J12001 | 42 | 475 | 0.005 | 37.9 | 16,697,974.26 | 4.43 | 357.4 | 355 | Vitrified Clay Pipe-Circular-42 inch | 9.6 | 54,622,482.26 | 8.80 |
| C10021-C10019 | 8 | 27 | 0.074 | 19.6 | 90,739.44 | 4.45 | 497 | 495 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,512,007.45 | 12.96 |
| H11051-H11049 | 39 | 261 | 0.004 | 45.1 | 15,623,928.33 | 4.46 | 373 | 371.83 | Vitrified Clay Pipe-Circular-39 inch | 8.3 | 42,224,009.56 | 7.87 |
| D07067-D07065 | 10 | 401 | 0.02 | 37.3 | 631,678.26 | 4.47 | 512 | 504 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,363,672.57 | 7.31 |
| G06007-G06005 | 30 | 273 | 0.006 | 52.8 | 7,484,677.24 | 4.48 | 465.85 | 464.11 | Vitrified Clay Pipe-Circular-30 inch | 4.9 | 25,011,005.69 | 7.90 |
| G07041-G07039 | 24 | 149 | 0.007 | 51.6 | 7,472,766.40 | 4.49 | 451 | 450 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 14,155,265.48 | 7.06 |
| D07001-D08025 | 12 | 388 | 0.02 | 39.7 | 723,375.40 | 4.51 | 486 | 478.32 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 3,828,505.23 | 7.40 |
| D03055-D03009 | 24 | 190 | 0.005 | 44.3 | 5,087,218.84 | 4.51 | 587 | 586 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 12,535,289.05 | 6.26 |
| D05125-D05123 | 24 | 343 | 0.006 | 43.7 | 5,209,628.00 | 4.54 | 564 | 562 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 13,194,079.33 | 6.59 |
| D04069-D04063 | 24 | 350 | 0.006 | 43.9 | 5,210,408.33 | 4.56 | 571 | 569 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 13,061,472.15 | 6.52 |
| G09015-G09013 | 24 | 294 | 0.007 | 58.1 | 8,416,173.94 | 4.59 | 410 | 408 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 14,251,234.48 | 7.11 |
| E05029-E05027 | 24 | 335 | 0.006 | 46.5 | 5,883,638.63 | 4.6 | 519 | 517 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 13,350,691.10 | 6.66 |
| D05123-D05121 | 24 | 321 | 0.006 | 42.9 | 5,213,726.90 | 4.63 | 562 | 560 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 13,638,720.67 | 6.81 |
| E09023-E09021 | 15 | 156 | 0.019 | 31.8 | 1,176,693.23 | 4.63 | 435 | 432 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 6,842,101.74 | 8.82 |
| G07037-G08101 | 24 | 396 | 0.008 | 49.8 | 7,469,871.90 | 4.66 | 446 | 443 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 15,039,181.05 | 7.51 |
| G08101-G08099 | 24 | 391 | 0.008 | 49.6 | 7,467,551.86 | 4.66 | 443 | 440 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 15,135,034.03 | 7.55 |
| G05145-G05143 | 24 | 323 | 0.006 | 51.7 | 7,182,031.79 | 4.68 | 484 | 482 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 13,596,429.96 | 6.79 |
| G10007-G10005 | 30 | 475 | 0.006 | 46.2 | 10,855,154.49 | 4.69 | 401 | 398 | Vitrified Clay Pipe-Circular-30 inch | 4.9 | 24,897,267.02 | 7.86 |
| D04063-D04061 | 24 | 320 | 0.006 | 42.8 | 5,206,854.31 | 4.69 | 569 | 567 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 13,660,014.55 | 6.82 |
| F11003-F11001 | 27 | 79 | 0.011 | 31.7 | 4,057,796.37 | 4.71 | 385 | 384.15 | Vitrified Clay Pipe-Circular-27 inch | 4 | 24,536,566.88 | 9.49 |
| D02003-D03099 | 24 | 175 | 0.006 | 44.8 | 4,997,129.05 | 4.71 | 593 | 592 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 13,061,472.15 | 6.52 |
| D02019-D02015 | 24 | 356 | 0.006 | 42.7 | 4,908,163.52 | 4.73 | 600 | 598 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 12,950,935.84 | 6.46 |
| G09055-G09017 | 24 | 381 | 0.008 | 52.8 | 8,170,461.27 | 4.76 | 415 | 412 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 15,332,370.06 | 7.65 |
| G09017-G09015 | 24 | 267 | 0.007 | 54.5 | 8,417,719.19 | 4.77 | 412 | 410 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 14,954,452.59 | 7.46 |
| F05031-F05023 | 24 | 312 | 0.006 | 51 | 7,151,011.45 | 4.8 | 497 | 495 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 13,834,034.49 | 6.90 |
| E05145-F05077 | 24 | 436 | 0.007 | 47.1 | 6,461,099.55 | 4.92 | 510 | 507 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 14,332,717.33 | 7.15 |
| D02015-D02013 | 24 | 313 | 0.006 | 41.2 | 4,909,341.42 | 4.93 | 598 | 596 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 13,811,917.71 | 6.89 |
| D02051-D02019 | 24 | 315 | 0.006 | 41.9 | 4,864,932.16 | 4.96 | 602 | 600 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 13,768,000.53 | 6.87 |
| D10121-D10119 | 8 | 253 | 0.051 | 23.7 | 214,349.38 | 4.97 | 458 | 445 | Vitrified Clay Pipe-Circular-8 inch | 0.3 | 2,092,180.85 | 10.79 |
| D03061-D03055 | 24 | 145 | 0.007 | 42.7 | 5,085,521.35 | 4.97 | 588 | 587 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 14,349,182.26 | 7.16 |
| G11015-G11013 | 33 | 670 | 0.007 | 50.3 | 11,514,024.48 | 5.01 | 382 | 377 | Vitrified Clay Pipe-Circular-33 inch | 5.9 | 34,895,220.67 | 9.15 |
| D07063-D07061 | 10 | 110 | 0.027 | 36.5 | 667,829.08 | 5.05 | 500 | 497 | Vitrified Clay Pipe-Circular-10 inch | 0.5 | 2,763,622.97 | 8.55 |
| J11027-J11025 | 15 | 254 | 0.045 | 54.6 | 564,898.79 | 5.06 | 375 | 363.5 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 10,498,403.52 | 13.54 |
| K11051-K11049 | 15 | 67 | 0.03 | 23.5 | 549,351.21 | 5.07 | 353 | 351 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 8,524,497.66 | 10.99 |
| G07039-G07037 | 24 | 397 | 0.01 | 47.8 | 7,472,726.33 | 5.17 | 450 | 446 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 17,343,865.44 | 8.66 |
| G09069-G09055 | 24 | 395 | 0.01 | 50 | 8,136,315.29 | 5.21 | 419 | 415 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 17,387,718.52 | 8.68 |
| E09021-E09019 | 15 | 98 | 0.027 | 26.9 | 1,176,175.01 | 5.22 | 437.64 | 435 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 8,098,043.87 | 10.44 |
| G05141-G05091 | 24 | 348 | 0.009 | 46.9 | 7,179,218.65 | 5.22 | 479 | 476 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 16,042,873.48 | 8.01 |
| D04061-D05125 | 24 | 342 | 0.009 | 41.3 | 5,200,976.55 | 5.26 | 567 | 564 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 16,182,988.57 | 8.08 |
| D03007-D04113 | 24 | 360 | 0.008 | 39.3 | 5,134,730.63 | 5.28 | 583 | 580 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 15,773,226.15 | 7.87 |
| G10005-G10003 | 30 | 445 | 0.009 | 41.9 | 10,863,586.52 | 5.29 | 398 | 394 | Vitrified Clay Pipe-Circular-30 inch | 4.9 | 29,702,147.10 | 9.38 |
| F05017-G05145 | 24 | 340 | 0.009 | 49.1 | 7,181,133.12 | 5.33 | 487 | 484 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 16,230,515.81 | 8.10 |

CIP 2025 Results Table

| Label | Diam (in) | Length (ft) | Slope | Max. Depth/Diam (%) | Max Flow (gpd) | Avg Velocity (ft/s) | Start Invert (ft) | Stop Invert (ft) | Material and Diameter | Area - Full Flow (ft ²) | Capacity (gpd) | Velocity - Full Flow (ft/s) |
|---------------|-----------|-------------|-------|---------------------|----------------|---------------------|-------------------|------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------|
| D03009-D03007 | 24 | 350 | 0.009 | 39.1 | 5,124,879.71 | 5.35 | 586 | 583 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 15,996,971.03 | 7.98 |
| E05033-E05031 | 24 | 334 | 0.009 | 49.1 | 5,884,633.46 | 5.36 | 523 | 520 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 16,375,649.98 | 8.17 |
| D02013-D02011 | 24 | 246 | 0.008 | 43.1 | 4,979,112.38 | 5.37 | 596 | 594 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 15,579,682.30 | 7.78 |
| G05143-G05141 | 24 | 324 | 0.009 | 46.4 | 7,181,131.27 | 5.38 | 482 | 479 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 16,626,440.23 | 8.30 |
| K11053-K11051 | 15 | 197 | 0.036 | 16.8 | 542,467.10 | 5.38 | 360 | 353 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 9,300,517.33 | 11.99 |
| F05037-F05031 | 24 | 341 | 0.009 | 48.7 | 7,135,257.50 | 5.38 | 500 | 497 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 16,206,699.92 | 8.09 |
| F05077-F05073 | 24 | 329 | 0.009 | 52.4 | 6,487,352.23 | 5.42 | 507 | 504 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 16,499,615.80 | 8.24 |
| G10003-G10001 | 30 | 400 | 0.01 | 40.6 | 10,852,322.86 | 5.47 | 394 | 390 | Vitrified Clay Pipe-Circular-30 inch | 4.9 | 31,328,373.98 | 9.89 |
| E05027-E05173 | 24 | 213 | 0.009 | 43 | 6,431,187.45 | 5.52 | 517 | 515 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 16,743,118.43 | 8.36 |
| F05019-F05017 | 24 | 299 | 0.01 | 45.7 | 7,156,483.02 | 5.58 | 490 | 487 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 17,307,573.57 | 8.64 |
| G08055-G08053 | 24 | 340 | 0.012 | 46.2 | 8,159,687.64 | 5.59 | 439 | 435 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 18,741,385.34 | 9.35 |
| G08053-G08051 | 24 | 330 | 0.012 | 51.1 | 8,156,489.88 | 5.63 | 435 | 431 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 19,023,226.50 | 9.49 |
| G10021-G10007 | 24 | 399 | 0.013 | 51.9 | 8,406,346.44 | 5.66 | 406 | 401 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 19,342,370.93 | 9.65 |
| F05021-F05019 | 24 | 185 | 0.011 | 44.3 | 7,155,933.83 | 5.74 | 492 | 490 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 17,965,540.46 | 8.97 |
| D04113-D04111 | 24 | 358 | 0.011 | 44.9 | 5,130,363.92 | 5.84 | 580 | 576 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 18,264,157.16 | 9.12 |
| D05121-D05119 | 24 | 327 | 0.012 | 44.3 | 5,207,295.63 | 5.85 | 560 | 556 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 19,110,289.78 | 9.54 |
| G09071-G09069 | 24 | 401 | 0.015 | 45.6 | 8,141,439.22 | 6 | 425 | 419 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 21,135,600.53 | 10.55 |
| G10001-G11015 | 30 | 670 | 0.012 | 41.7 | 11,516,322.33 | 6.02 | 390 | 382 | Vitrified Clay Pipe-Circular-30 inch | 4.9 | 34,233,038.35 | 10.81 |
| K13049-K13001 | 12 | 76 | 0.105 | 11.6 | 250,043.77 | 6.02 | 327 | 319 | Vitrified Clay Pipe-Circular-12 inch | 0.8 | 8,828,820.67 | 17.08 |
| G05091-G05089 | 24 | 254 | 0.013 | 57 | 7,510,568.11 | 6.04 | 476 | 472.8 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 19,394,084.52 | 9.68 |
| E05173-E05147 | 24 | 241 | 0.012 | 46.1 | 6,426,711.33 | 6.09 | 515 | 512 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 19,278,056.96 | 9.62 |
| D04075-D04069 | 24 | 310 | 0.013 | 39.5 | 5,211,651.56 | 6.11 | 575 | 571 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 19,627,288.30 | 9.80 |
| K13041-K13039 | 15 | 142 | 0.049 | 27.4 | 932,062.61 | 6.29 | 331 | 324 | Vitrified Clay Pipe-Circular-15 inch | 1.2 | 10,954,587.97 | 14.12 |
| E05055-E05035 | 24 | 427 | 0.014 | 36.7 | 5,875,382.28 | 6.32 | 535 | 529 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 20,482,022.59 | 10.22 |
| G08099-G08055 | 24 | 49 | 0.02 | 41.9 | 7,461,615.54 | 6.54 | 440 | 439 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 24,683,862.19 | 12.32 |
| J12037-J12035 | 42 | 79 | 0.015 | 42.5 | 16,680,201.68 | 6.58 | 359.19 | 358 | Vitrified Clay Pipe-Circular-42 inch | 9.6 | 94,313,215.38 | 15.20 |
| F05023-F05021 | 24 | 188 | 0.016 | 41.6 | 7,153,912.11 | 6.6 | 495 | 492 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 21,826,940.06 | 10.89 |
| E05035-E05033 | 24 | 332 | 0.018 | 37.9 | 5,889,171.22 | 6.88 | 529 | 523 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 23,228,316.58 | 11.59 |
| J11025-J11023 | 39 | 30 | 0.017 | 43.6 | 16,075,184.45 | 6.93 | 363.5 | 363 | Vitrified Clay Pipe-Circular-39 inch | 8.3 | 81,416,263.82 | 15.18 |
| D05115-E05055 | 24 | 422 | 0.019 | 35.3 | 5,880,029.75 | 7.05 | 543 | 535 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 23,790,300.14 | 11.87 |
| D05117-D05115 | 24 | 439 | 0.027 | 32.3 | 5,843,277.11 | 8.03 | 555 | 543 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 28,567,321.08 | 14.26 |
| G07043-G07041 | 24 | 300 | 0.036 | 42 | 7,449,794.07 | 8.13 | 461.88 | 451 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 32,905,233.23 | 16.42 |
| F05039-F05037 | 24 | 14 | 0.071 | 36 | 6,584,364.23 | 11.02 | 501 | 500 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 46,179,277.65 | 23.05 |
| G09073-G09071 | 24 | 16 | 0.188 | 32.7 | 8,140,017.24 | 14.54 | 428 | 425 | Vitrified Clay Pipe-Circular-24 inch | 3.1 | 74,818,981.02 | 37.34 |