



City Council Staff Report

DATE: May 20, 2015 CONSENT CALENDAR

SUBJECT: APPROVAL OF PLANS, SPECIFICATIONS AND ESTIMATE AND AUTHORIZATION TO BID FOR THE DEMUTH PARK AND RUTH HARDY PARK SECURITY PATH LIGHTING IMPROVEMENTS, CITY PROJECT NO 14-19

FROM: David H. Ready, City Manager

BY: Public Works & Engineering Department

SUMMARY

The City Council previously appropriated funding in the amounts of \$50,000 from the Measure J Capital Project Fund, \$50,000 from the Measure Y Parks Improvement Fund and \$40,000 from General Fund (Park Maintenance) for a total budget of \$140,000 for a capital project to install security path lighting improvements at Demuth Park and Ruth Hardy Park. Approval of the plans, specifications and estimate will allow staff to proceed with bidding of this capital project, with an estimated cost of \$275,000.

RECOMMENDATION:

Approve the plans, specifications and estimate and authorize staff to advertise and solicit bids for the Demuth Park and Ruth Hardy Park Security Path Lighting Improvements, City Project No. 14-19.

STAFF ANALYSIS:

As part of the Fiscal Year 2007/08 budget, the City Council appropriated \$50,000 as budget for security path lighting at Demuth Park. Subsequently, on November 7, 2012, the City Council approved project expenditures of \$4.7 Million for various Fiscal Year 2012/13 Measure J capital projects. At that time, a capital expenditure of \$50,000 was budgeted for the Ruth Hardy Park Security Path Lighting, with the following project description:

Currently, there is minimal night lighting in the park, except for the tennis courts and basketball courts. This request will provide for "path lighting" in walk way areas. It appears that at one time there were lights throughout the park as there are pedestals with poles, but no light fixtures. Prior to any light fixture installation, the

ITEM NO. 2.H.

appropriate lighting specialists will be consulted to provide an optimal plan for Council's approval.

On October 14, 2013, the City retained MRC Engineering, Inc., through a Consulting Service Agreement to provide electrical engineering and lighting design services for security path lighting improvements at Demuth Park and Ruth Hardy Park, identified as City Project No. 14-19, (the "Project"). The scope of work is to install new parking lot lighting improvements within two parking lots at Demuth Park, and to install new parking lot lighting at Ruth Hardy Park, consisting of all new underground conduit, conductors, electrical services, light poles and foundations, and LED light fixtures. The LED light fixtures have been specified as Bradley Lighting #HPW141001-T3 or Cree Lighting #BXSP-B-HT-3ME-A-40K-US-UL on 16 feet high poles.

Pursuant to Section 94.04.00(E), of the Palm Springs Zoning Code, exterior lighting plans require a Minor Architectural approval by the Planning Services Department; the Director of Planning Services issued a Minor Architectural approval for the Project. The construction drawings prepared by MRC Engineering, Inc., have been reviewed and approved by the City's Building Department, and are ready to formally solicit construction bids for the Project; a copy of the construction drawings is included in **Attachment 1**.

With the City Council's approval, staff will advertise the project in the *Desert Sun*, submit the Notice Inviting Bids to plan rooms, and provide the bid documents available free of charge to prospective bidders. A copy of the construction drawings and contract specifications for the Project are on file with the Public Works & Engineer Department. The following tentative schedule has been identified for the bid process:

Notice Inviting Bids posted and issued:	May 21, 2015
Deadline for receipt of bids:	3:00 PM, June 25, 2015
Contract awarded by City Council:	July 15, 2015

ENVIRONMENTAL IMPACT:

Section 21084 of the California Public Resources Code requires Guidelines for Implementation of the California Environmental Quality Act ("CEQA"). The Guidelines are required to include a list of classes of projects which have been determined not to have a significant effect on the environment and which are exempt from the provisions of CEQA. In response to that mandate, the Secretary for Resources identified classes of projects that do not have a significant effect on the environment, and are declared to be categorically exempt from the requirement for the preparation of environmental documents. In accordance with Section 15301 "Existing Facilities," Class 1 projects consist of interior or exterior alterations involving such things as interior partitions, plumbing, and electrical conveyances; therefore, the Demuth Park and Ruth Hardy Park Security Path Lighting Improvements, is considered categorically exempt from CEQA, and a Notice of Exemption has been prepared and will be filed with the Riverside County Clerk. A copy of the Notice of Exemption is included as **Attachment 2**.

FISCAL IMPACT:

A total of \$140,000 was previously budgeted for the Project through a combination of the Measure J Capital Project Fund (Fund 260), Measure Y Parks Improvement Fund (Fund 261) and General Fund (Park Maintenance – Fund 001). The final construction estimate for the Project is \$275,000 as shown in **Attachment 3**.

The Project budget and incurred expenditures are identified in Table 1. As shown in Table 1, an additional appropriation of \$167,969 will be required to fully fund the estimated cost of the Project.


Table of Project Costs	Amount
FY12/13 Measure J Fund	\$50,000
FY07/08 Measure Y Fund	\$50,000
FY14/15 General Fund – Park Maintenance	\$40,000
Design Services	(\$26,750)
Project Administration (through 5/7/15)	(\$219)
Project Administration (Estimated)	(\$1,000)
Construction Inspection (Estimated)	(\$5,000)
Construction Contract	(\$275,000)
Budget Deficit	(\$167,969)

Table 1

Staff recommends that the City Council authorize bidding of the Project to obtain final costs, allowing staff to identify funding alternatives for City Council consideration at the time a contract is scheduled for award.

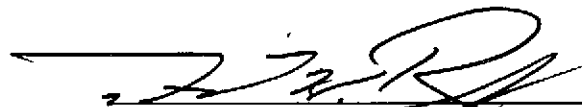
SUBMITTED:

Prepared by:



 Marcus L. Fuller, MPA, P.E., P.L.S.
 Assistant City Manager/City Engineer

Approved by:



 David H. Ready, Esq., Ph.D.
 City Manager

Attachments:

1. Construction Drawings
2. CEQA Notice of Exemption
3. Construction Estimate

ATTACHMENT 1



No. of Lines: 2
Voltage: 120/240 V
Phase: 3
Frequency: 60 Hz
Grounding: Solidly Grounded
Service: 120/240 V
Panel: DEMUTH & RUTH HARDY PARKS

PALM SPRINGS
DEMUTH AND RUTH HARDY PARKS
LIGHTING ADDITION



DATE: JANUARY 23, 2015
DRAWN BY: FR
CHECKED BY: FR
PROJECT NO.: 13116.00
ELECTRICAL PANEL SCHEDULES

E1.1

PANEL 'B' - RUTH HARDY PARK
PANEL VOLTAGE: 120/240 VP, 3P
BUS: 100A
MCP: L-0
AC RATING: 10,000
CIRCUIT CODE: H
NON-CONTINUOUS
L: LONG-CIRCUITS
R: DEMANDABLE RECEPTACLES
S: SPACES

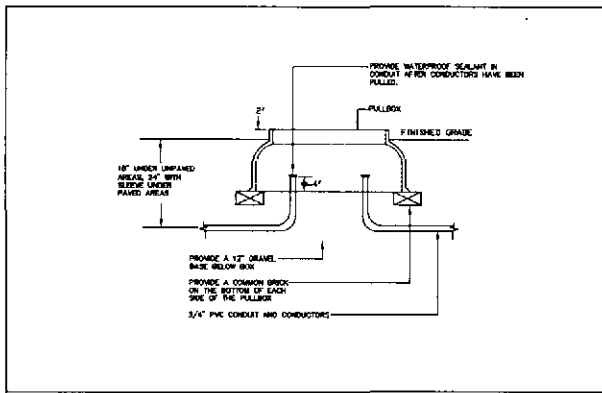
NO	VA LOAD	LOAD DESCRIPTION		CIRCUIT												VA LOAD		
		A	B	TYPE	C.B.	BUS	C.B.	TYPE	NO.	TR	P	L	R	M	S	A	B	S
1	800	EXISTING CIRCUIT																
2	800	EXISTING CIRCUIT																
3	800	EXISTING CIRCUIT																
4	800	EXISTING CIRCUIT																
5	800	EXISTING CIRCUIT																
6	800	EXISTING CIRCUIT																
7	800	EXISTING CIRCUIT																
8	800	EXISTING CIRCUIT																
9	800	EXISTING CIRCUIT																
10	800	EXISTING CIRCUIT																
11	800	EXISTING CIRCUIT																
PHASE TOTALS																		
Total Phase A: 800																		
Total Phase B: 800																		
PHASE DETAILS																		
CONNECTED VA (CODE M)																		
CONNECTED VA (CODE L)																		
CONNECTED VA (CODE R)																		
CONNECTED VA (CODE S)																		
TOTAL CONNECTED EVAL																		
DEMAND EVAL																		
TOTAL RECEPTIVE EVAL																		
TOTAL PANEL AMP																		
NEUTRAL																		

PANEL 'C' - RUTH HARDY PARK
PANEL VOLTAGE: 120/240 VP, 3P
BUS: 100A
MCP: L-0
AC RATING: 10,000
CIRCUIT CODE: H
NON-CONTINUOUS
L: LONG-CIRCUITS
R: DEMANDABLE RECEPTACLES
S: SPACES

NO	VA LOAD	LOAD DESCRIPTION		CIRCUIT												VA LOAD		
		A	B	TYPE	C.B.	BUS	C.B.	TYPE	NO.	TR	P	L	R	M	S	A	B	S
1	800	EXISTING CIRCUIT																
2	800	EXISTING CIRCUIT																
3	800	EXISTING CIRCUIT																
4	800	EXISTING CIRCUIT																
5	800	EXISTING CIRCUIT																
6	800	EXISTING CIRCUIT																
7	800	EXISTING CIRCUIT																
8	800	EXISTING CIRCUIT																
9	800	EXISTING CIRCUIT																
10	800	EXISTING CIRCUIT																
11	800	EXISTING CIRCUIT																
PHASE TOTALS																		
Total Phase A: 800																		
Total Phase B: 800																		
PHASE DETAILS																		
CONNECTED VA (CODE M)																		
CONNECTED VA (CODE L)																		
CONNECTED VA (CODE R)																		
CONNECTED VA (CODE S)																		
TOTAL CONNECTED EVAL																		
DEMAND EVAL																		
TOTAL RECEPTIVE EVAL																		
TOTAL PANEL AMP																		
NEUTRAL																		

RELOCATE EXISTING CIRCUITS 10 AND 13 TO NEW SUB-PANEL 'C'
SPACE TO BE USED FOR NEW SUB-PANEL 'C'

PANEL SCHEDULE - RUTH HARDY PARK
SCALE: N/A 3

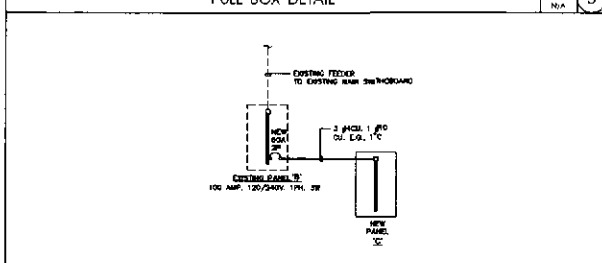


PULL BOX DETAIL
SCALE: N/A 5

PANEL 'DEB' - DEMUTH PARK WEST
PANEL VOLTAGE: 120/240 VP, 3P
BUS: 100A
MCP: L-0
AC RATING: 10,000
CIRCUIT CODE: H
NON-CONTINUOUS
L: LONG-CIRCUITS
R: DEMANDABLE RECEPTACLES
S: SPACES

NO	VA LOAD	LOAD DESCRIPTION		CIRCUIT												VA LOAD		
		A	B	TYPE	C.B.	BUS	C.B.	TYPE	NO.	TR	P	L	R	M	S	A	B	S
1	800	EXISTING CIRCUIT																
2	800	EXISTING CIRCUIT																
3	800	EXISTING CIRCUIT																
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30	800	EXISTING CIRCUIT																
31	800	EXISTING CIRCUIT																
PHASE TOTALS																		
Total Phase A: 800																		
Total Phase B: 800																		
PHASE DETAILS																		
CONNECTED VA (CODE M)																		
CONNECTED VA (CODE L)																		
CONNECTED VA (CODE R)																		
CONNECTED VA (CODE S)																		
TOTAL CONNECTED EVAL																		
DEMAND EVAL																		
TOTAL RECEPTIVE EVAL																		
TOTAL PANEL AMP																		
NEUTRAL																		

PANEL SCHEDULE - DEMUTH PARK WEST
SCALE: N/A 2



SINGLE LINE DIAGRAM - RUTH HARDY PARK
SCALE: N/A 4

PANEL 'A' - DEMUTH PARK EAST
PANEL VOLTAGE: 120/240 VP, 3P
BUS: 100A
MCP: L-0
AC RATING: 10,000
CIRCUIT CODE: H
NON-CONTINUOUS
L: LONG-CIRCUITS
R: DEMANDABLE RECEPTACLES
S: SPACES

NO	VA LOAD	LOAD DESCRIPTION		CIRCUIT												VA LOAD		
		A	B	TYPE	C.B.	BUS	C.B.	TYPE	NO.	TR	P	L	R	M	S	A	B	S
1	800	EXISTING CIRCUIT																
2	800	EXISTING CIRCUIT																
3	800	EXISTING CIRCUIT																
4	800	EXISTING CIRCUIT																
5	800	EXISTING CIRCUIT																
6	800	EXISTING CIRCUIT																
7	800	EXISTING CIRCUIT																
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10	800	EXISTING CIRCUIT																
11	800	EXISTING CIRCUIT																
PHASE TOTALS																		
Total Phase A: 800																		
Total Phase B: 800																		
PHASE DETAILS																		
CONNECTED VA (CODE M)																		
CONNECTED VA (CODE L)																		
CONNECTED VA (CODE R)																		
CONNECTED VA (CODE S)																		
TOTAL CONNECTED EVAL																		
DEMAND EVAL																		
TOTAL RECEPTIVE EVAL																		
TOTAL PANEL AMP																		
NEUTRAL																		

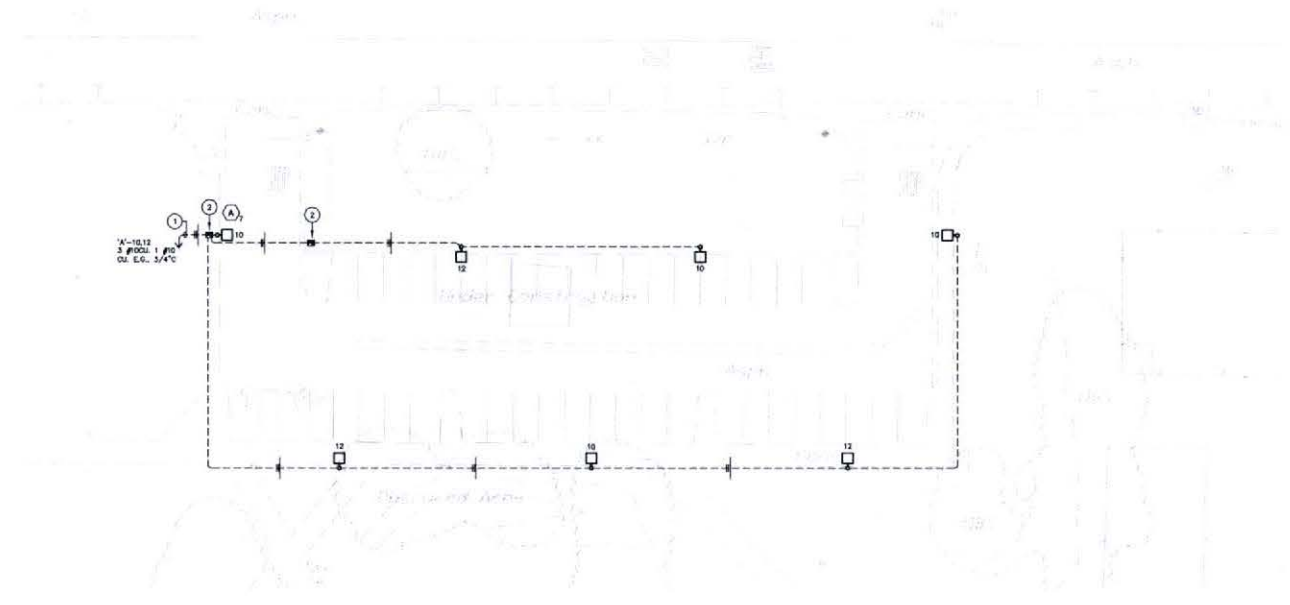
PANEL SCHEDULE - DEMUTH PARK EAST
SCALE: N/A 1

File Path & Name: Y:\2015\1311600 DEMUTH & RUTH HARDY PARKS - PALM SPRINGS - VO\1E04- ELECTRICAL SITE PLAN - DEMUTH SITE EAST.DWG
 ©MRC ENGINEERING, INC. 2009 - Revised May 08, 2015 - JAC11 am

07

KEYED NOTES

- ① CIRCUIT THROUGH LEAVING CONTACTOR.
- ② PROVIDE IN-GRADE PULLBOX REFER TO DETAIL #6 ON SHEET E1.1.



Professional Engineer & Lighting Consultants
 437 S.W. 14th Street, 12, 340, 348, 318 E
 PALM DESERT | SANTA ANA | SAN DIEGO

PALM SPRINGS
 DEMUTH AND RUTH HARDY PARKS
 LIGHTING ADDITION



NO.	REVISION	DATE

DATE: JANUARY 23, 2015
 DRAWN BY: FR
 CHECKED BY: GR
 PROJECT NO.: 1311600

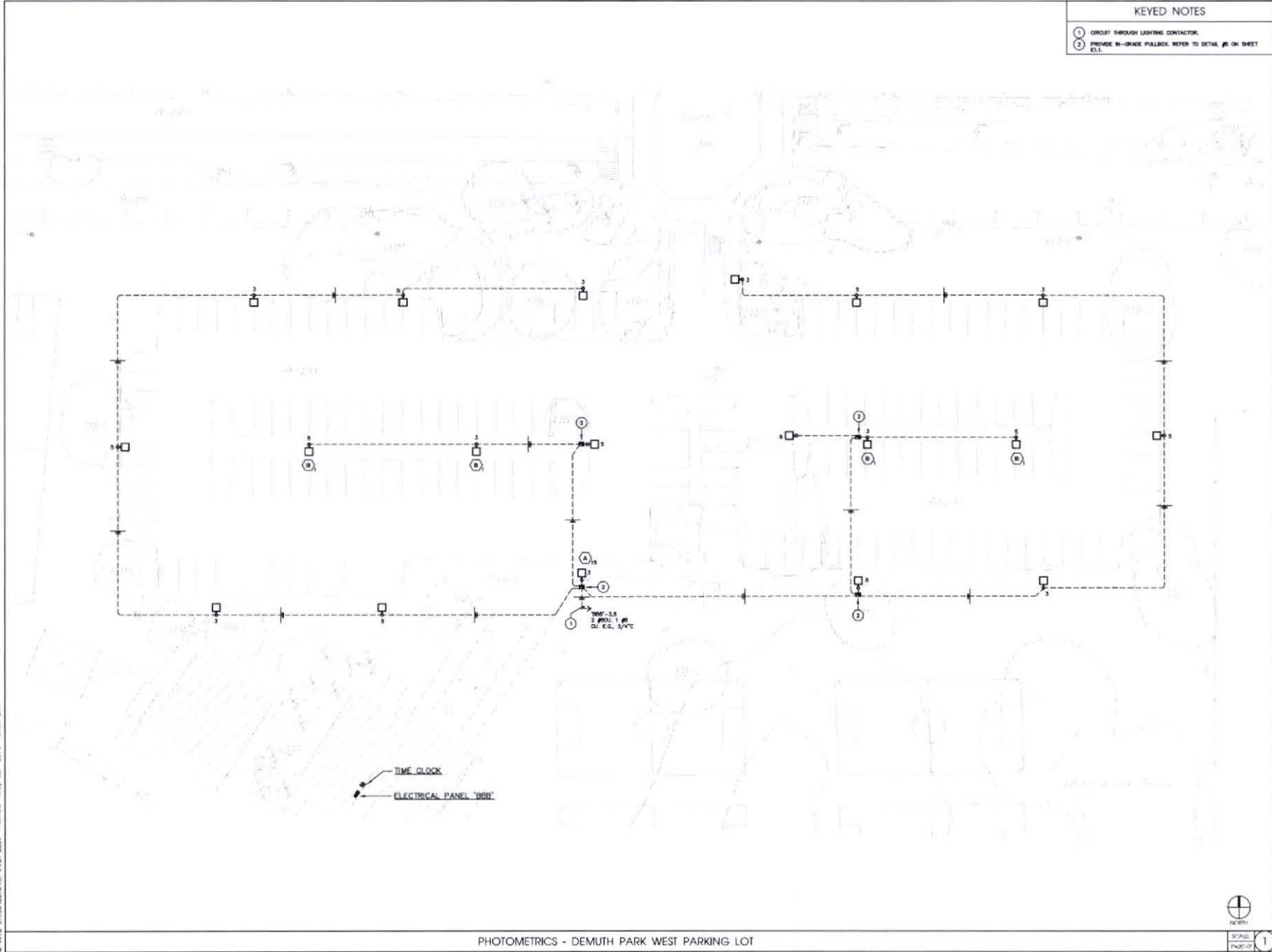
DRAWING TITLE:
 ELECTRICAL LIGHTING PLAN
 DEMUTH EAST PARKING

SHEET NO.: E2.0

ELECTRICAL SITE LIGHTING PLAN - DEMUTH PARK EAST PARKING LOT



THE PATH & NAME: V:\2013\13116.00 DEMUTH & RUTH HARDY PARKS - PALM SPRINGS - W01.E1 - ELECTRICAL SITE PLAN - DEMUTH SITE WESTLINGS
 © MRC ENGINEERING, INC. 2009 - REVISED: MAY 06, 2015 - 14:01 PM



KEYED NOTES

- ① CIRCUIT THROUGH LIGHTING CONTRACTOR.
- ② PROVIDE IN-GRADE FALLOUT; REFER TO DETAIL #8 ON SHEET E2.1.



Professional Engineer & Lighting Consultant
 11745 SAN JUAN AVENUE TEL: 760.348.1188
 PALM DESERT | SANTA ANA | SAN DIEGO
 WWW.MRC-ENG.COM

**PALM SPRINGS
 DEMUTH AND RUTH HARDY PARKS
 LIGHTING ADDITION**



NO.	REVISION	DATE

DATE: JANUARY 23, 2015
 DRAWN BY: RB
 CHECKED BY: RB
 PROJECT NO.: 13116.00

DRAWING TITLE:
**ELECTRICAL
 SITE LIGHTING
 DEMUTH WEST PARK**

NORTH
 SCALE:
 PHOTO: 1

PHOTOMETRICS - DEMUTH PARK WEST PARKING LOT

E2.1

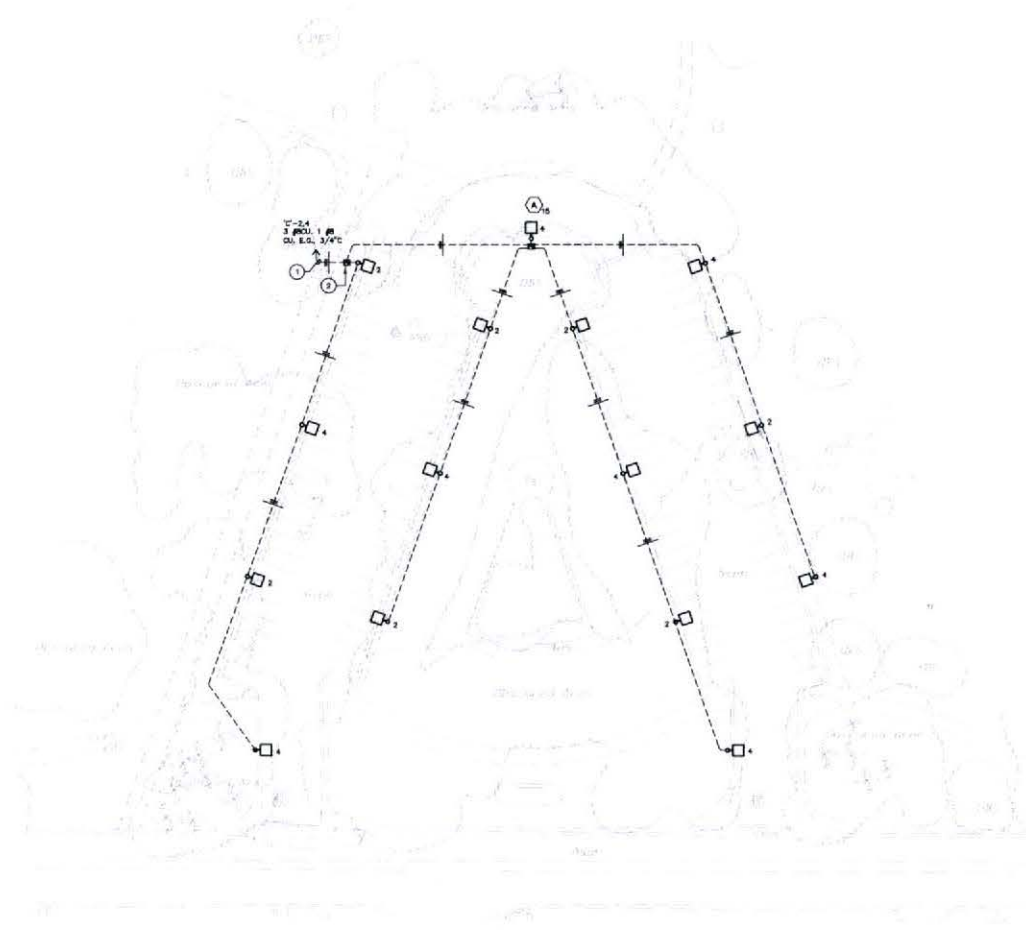
File Path & Name: Y:\2013\13116.00 DEMUTH & RUTH HARDY PARKS - PALM SPRINGS, MO\E2.2- ELECTRICAL SITE PLAN - RUTH HARDY SITE.DWG
© MRC ENGINEERING, INC. 2009 - Revised May 06, 2015 - 04:07 pm

NEW PANEL 'V'
EXISTING PANEL 'II'
EXISTING PANEL 'X'

PUBLIC
RESTROOMS

KEYED NOTES

1 ○ CIRCUIT THROUGH LIGHTING CONTRACTOR.
2 ○ PROVIDE IN-GRADE PULLBOX. REFER TO DETAIL #0 ON SHEET E1.1.



Professional Engineer & Lighting Consultant
41740 JAMES ROSS | TEL: 760.349.7781
PALM DESERT | SANTA ANA | SAN DIEGO

**PALM SPRINGS
DEMUTH AND RUTH HARDY PARKS
LIGHTING ADDITION**



NO.	REVISION	DATE

DATE: JANUARY 23, 2015
DRAWN BY: EL
CHECKED BY: RR
PROJECT NO.: 13116.00
DRAWING TITLE:
**ELECTRICAL SITE PLAN
RUTH HARDY SITE**

SCALE: 1"=40'
PAGE 01 OF 1

ELECTRICAL SITE LIGHTING PLAN - RUTH HARDY PARKING LOT

E2.2

ATTACHMENT 2

NOTICE OF EXEMPTION

To: Office of Planning and Research
1400 Tenth Street, Room 121
Sacramento, CA 95814

From: City of Palm Springs
3200 E. Tahquitz Canyon Way
Palm Springs, CA 92262

Clerk of the Board
County of Riverside
P.O. Box 751
Riverside, CA 92502-0751

Project Title: Demuth and Ruth Hardy Parks Lighting Addition, City Project No. 14-19

Project Applicant: City of Palm Springs

Project Location (Specific): Demuth Park: 3965 E Mesquite Ave (south-side of Mesquite/Nueva Vista).
Ruth Hardy Park: 700 Tamarisk Lane (north-west corner of Avenida Caballeros/Tamarisk).

Project Location (City): City of Palm Springs

Project Location (County): Riverside

Project Description: The scope of work is to install parking lot lighting in two lots at Demuth Park, currently there are no lights in the Tennis court lot and at the little league field lot. Also scheduled to install parking lot lighting at Ruth Hardy park main entrance lot were currently no lighting exists. All lots will require underground electrical, concrete bases, poles and LED fixtures.

Name of Public Agency Approving Project: City of Palm Springs

Name of Person or Agency Carrying Our Project: City of Palm Springs, Public Works & Engineering Department
3200 E. Tahquitz Canyon Way, Palm Springs, CA 92262

Exempt Status: (check one)

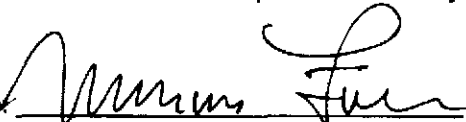
- Ministerial (Sec. 21080(b) (1); 15268);
- Declared Emergency (Sec. 21080(b) (3); 15269(a));
- Emergency Project (Sec. 21080(b) (4); 15269 (b)(c));
- Categorical Exemption. State type and section number: 15303 Class 3 (d) – New Construction or Conversion of Small Structures
- Statutory Exemptions. State code number:

Reasons why project is exempt: Class 3 consists of construction and location of limited numbers of new, small facilities or structures; installation of small new equipment and facilities in small structures; and the conversion of existing small structures from one use to another where only minor modifications are made in the exterior of the structure. Water main, sewage, electrical, gas, and other utility extensions, including street improvements, of reasonable length to serve such construction. Therefore, the Demuth and Ruth Hardy Parks Lighting Addition, City Project No. 14-19, is considered categorically exempt from CEQA.

Lead Agency Contact Person: Savat Khamphou, P.E. Area Code/Telephone/Extension: (760) 323-8744, ext. 8744

If filed by applicant:

1. Attach certified document of exemption finding.
2. Has a Notice of Exemption been filed by the public agency approving the project? Yes No

Signature:  Date: 5/12/15 Title: Asst. Director of Public Works/Asst. City Engineer

Signed by Lead Agency Signed by Applicant

Authority cited: Sections 21083 and 21110, Public Resources Code Date received for filing at OPR: _____
Reference: Sections 21108, 21152, and 21152.1, Public Resources Code.

ATTACHMENT 3

**PALM SPRINGS DEMUTH RUTH HARDY PARKS
 ENGINEERS COST ESTIMATE**

PALM SPRINGS DEMUTH & RUTH HARDY PARKS COST ESTIMATE													
DESCRIPTION	QTY.	UNIT	LIGHTING COST		MATERIAL COST		CONSTRUCTION COST			LINE TOTALS			
			NET PRICE	TOTAL	MATERIAL UNIT COST	TOTAL	HOURS	HOURLY RATE	TOTAL	NET TOTAL	MATERIAL UNIT TOTAL	CONSTRUCTION COST TOTAL	LINE ITEM TOTAL
TYPE A LIGHTING FIXTURE	37	ea.	\$ 1,800.00	\$ 66,600.00	\$ 200.00	\$ 7,400.00	6	\$ 50.00	\$ 11,100.00	\$ 68,600.00	\$ 7,400.00	\$ 11,100.00	\$ 85,100.00
TYPE A FIXTURE BASE FOUNDATION	37	ea.	\$ -	\$ -	\$ 500.00	\$ 18,500.00	4	\$ 50.00	\$ 7,400.00	\$ -	\$ 18,500.00	\$ 7,400.00	\$ 25,900.00
TYPE B LIGHTING FIXTURE	4	ea.	\$ 1,800.00	\$ 7,200.00	\$ 200.00	\$ 800.00	6	\$ 50.00	\$ 1,200.00	\$ 7,200.00	\$ 800.00	\$ 1,200.00	\$ 9,200.00
TYPE B FIXTURE BASE FOUNDATION	4	ea.	\$ -	\$ -	\$ 500.00	\$ 2,000.00	4	\$ 50.00	\$ 800.00	\$ -	\$ 2,000.00	\$ 800.00	\$ 2,800.00
ELECTRICAL PULL BOX	37	ea.	\$ -	\$ -	\$ 325.00	\$ 12,025.00	3	\$ 50.00	\$ 150.00	\$ -	\$ 12,025.00	\$ 150.00	\$ 12,175.00
LIGHTING CONTROL SYSTEM	3	ea.	\$ -	\$ -	\$ 1,600.00	\$ 4,800.00	6	\$ 50.00	\$ 300.00	\$ -	\$ 4,800.00	\$ 300.00	\$ 5,100.00
EXISTING PANEL B	1	lot	\$ -	\$ -	\$ 300.00	\$ 300.00	12	\$ 50.00	\$ 600.00	\$ -	\$ 300.00	\$ 600.00	\$ 900.00
NEW PANEL C	1	lot	\$ -	\$ -	\$ 900.00	\$ 900.00	16	\$ 50.00	\$ 800.00	\$ -	\$ 900.00	\$ 800.00	\$ 1,700.00
EXISTING PANEL BBB	1	fl.	\$ -	\$ -	\$ 300.00	\$ 300.00	12	\$ 50.00	\$ 600.00	\$ -	\$ 300.00	\$ 600.00	\$ 900.00
EXISTING PANEL A	1	fl.	\$ -	\$ -	\$ 300.00	\$ 300.00	12	\$ 50.00	\$ 600.00	\$ -	\$ 300.00	\$ 600.00	\$ 900.00
1 INCH CONDUIT	600	ft.	\$ -	\$ -	\$ 0.45	\$ 270.00	35	\$ 50.00	\$ 1,750.00	\$ -	\$ 270.00	\$ 1,750.00	\$ 2,020.00
3/4 INCH CONDUIT	3040	ft.	\$ -	\$ -	\$ 0.30	\$ 912.00	160	\$ 50.00	\$ 8,000.00	\$ -	\$ 912.00	\$ 8,000.00	\$ 8,912.00
#8 COPPER CONDUCTORS	3000	ft.	\$ -	\$ -	\$ 0.65	\$ 1,950.00	150	\$ 50.00	\$ 7,500.00	\$ -	\$ 1,950.00	\$ 7,500.00	\$ 9,450.00
#10 COPPER CONDUCTORS	11000	ft.	\$ -	\$ -	\$ 0.45	\$ 4,950.00	400	\$ 50.00	\$ 20,000.00	\$ -	\$ 4,950.00	\$ 20,000.00	\$ 24,950.00
CUT AND PATCH	4000	ft	\$ -	\$ -	\$ 1.25	\$ 5,000.00	250	\$ 50.00	\$ 12,500.00	\$ -	\$ 5,000.00	\$ 12,500.00	\$ 17,500.00
SUB-TOTAL				\$ 73,800.00		\$ 60,407.00			\$ 73,300.00	\$ 73,800.00	\$ 60,407.00	\$ 73,300.00	\$ 207,507.00
CONTINGENCY (misc. Materials and labor)	25%			\$ 18,450.00		\$ 15,101.75			\$ 18,325.00	\$ 18,450.00	\$ 15,101.75	\$ 18,325.00	\$ 51,876.75
SALES TAX	9%			\$ 8,302.50		\$ 6,795.79			NA	\$ 8,302.50	\$ 6,795.79	NA	\$ 15,098.29
ENGINEERS COST ESTIMATE TOTAL				\$ 100,552.50		\$ 82,304.54			\$ 91,625.00	\$ 100,552.50	\$ 82,304.54	\$ 91,625.00	\$ 274,482.04