



Federal Emergency Management Agency

Washington, D.C. 20472

LETTER OF MAP REVISION DETERMINATION DOCUMENT

COMMUNITY AND REVISION INFORMATION		PROJECT DESCRIPTION	BASIS OF REQUEST
COMMUNITY	City of Palm Springs Riverside County California	CULVERT	FLOODWAY HYDRAULIC ANALYSIS UPDATED TOPOGRAPHIC DATA
	COMMUNITY NO.: 060257		
IDENTIFIER	Tahquitz Creek FEMA Map Revision	APPROXIMATE LATITUDE & LONGITUDE: 33.811, -116.519 SOURCE: USGS QUADRANGLE DATUM: NAD 83	
ANNOTATED MAPPING ENCLOSURES		ANNOTATED STUDY ENCLOSURES	
TYPE: FIRM* NO.: 06065C1567G DATE: August 28, 2008 TYPE: FIRM* NO.: 06065C1559G DATE: August 28, 2008		DATE OF EFFECTIVE FLOOD INSURANCE STUDY: March 6, 2018 PROFILE(S): 217P, 218P FLOODWAY DATA TABLE: 24	

Enclosures reflect changes to flooding sources affected by this revision.

* FIRM - Flood Insurance Rate Map

FLOODING SOURCE(S) & REVISED REACH(ES)

Tahquitz Creek - From approximately 875 feet downstream of El Cielo Road to approximately 530 feet downstream of Farrell Drive.

SUMMARY OF REVISIONS

Flooding Source	Effective Flooding	Revised Flooding	Increases	Decreases
Tahquitz Creek	Zone A	Zone AE	YES	NONE
	BFEs*	BFEs*	YES	NONE
	Floodway	Floodway	YES	YES
	Zone AE	Zone AE	NONE	YES
	No BFEs*	BFEs*	YES	NONE
	No Floodway	Floodway	YES	NONE

* BFEs - Base Flood Elevations

DETERMINATION

This document provides the determination from the Department of Homeland Security's Federal Emergency Management Agency (FEMA) regarding a request for a Letter of Map Revision (LOMR) for the area described above. Using the information submitted, we have determined that a revision to the flood hazards depicted in the Flood Insurance Study (FIS) report and/or National Flood Insurance Program (NFIP) map is warranted. This document revises the effective NFIP map, as indicated in the attached documentation. Please use the enclosed annotated map panels revised by this LOMR for floodplain management purposes and for all flood insurance policies and renewals in your community.

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Map Information eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Avenue, Suite 500, Alexandria, VA 22304-6426. Additional Information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

Patrick "Rick" F. Sacbbit, P.E., Branch Chief
Engineering Services Branch
Federal Insurance and Mitigation Administration



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**LETTER OF MAP REVISION
DETERMINATION DOCUMENT (CONTINUED)**

OTHER COMMUNITIES AFFECTED BY THIS REVISION

CID Number: 060763 **Name:** Agua Caliente Band of Cahuilla Indian Reservation, California

AFFECTED MAP PANELS

TYPE: FIRM* NO.: 06065C1567G DATE: August 28, 2008
TYPE: FIRM* NO.: 06065C1559G DATE: August 28, 2008

AFFECTED PORTIONS OF THE FLOOD INSURANCE STUDY REPORT

DATE OF EFFECTIVE FLOOD INSURANCE STUDY: March 6, 2018
PROFILE(S): 217P, 218P
FLOODWAY DATA TABLE: 24

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Map Information eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Avenue, Suite 500, Alexandria, VA 22304-6426. Additional Information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

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LETTER OF MAP REVISION DETERMINATION DOCUMENT (CONTINUED)

COMMUNITY INFORMATION

APPLICABLE NFIP REGULATIONS/COMMUNITY OBLIGATION

We have made this determination pursuant to Section 206 of the Flood Disaster Protection Act of 1973 (P.L. 93-234) and in accordance with the National Flood Insurance Act of 1968, as amended (Title XIII of the Housing and Urban Development Act of 1968, P.L. 90-448), 42 U.S.C. 4001-4128, and 44 CFR Part 65. Pursuant to Section 1361 of the National Flood Insurance Act of 1968, as amended, communities participating in the NFIP are required to adopt and enforce floodplain management regulations that meet or exceed NFIP criteria. These criteria, including adoption of the FIS report and FIRM, and the modifications made by this LOMR, are the minimum requirements for continued NFIP participation and do not supersede more stringent State/Commonwealth or local requirements to which the regulations apply.

We provide the floodway designation to your community as a tool to regulate floodplain development. Therefore, the floodway revision we have described in this letter, while acceptable to us, must also be acceptable to your community and adopted by appropriate community action, as specified in Paragraph 60.3(d) of the NFIP regulations.

NFIP regulations Subparagraph 60.3(b)(7) requires communities to ensure that the flood-carrying capacity within the altered or relocated portion of any watercourse is maintained. This provision is incorporated into your community's existing floodplain management ordinances; therefore, responsibility for maintenance of the altered or relocated watercourse, including any related appurtenances such as bridges, culverts, and other drainage structures, rests with your community. We may request that your community submit a description and schedule of maintenance activities necessary to ensure this requirement.

COMMUNITY REMINDERS

We based this determination on the 1-percent-annual-chance flood discharges computed in the FIS for your community without considering subsequent changes in watershed characteristics that could increase flood discharges. Future development of projects upstream could cause increased flood discharges, which could cause increased flood hazards. A comprehensive restudy of your community's flood hazards would consider the cumulative effects of development on flood discharges subsequent to the publication of the FIS report for your community and could, therefore, establish greater flood hazards in this area.

Your community must regulate all proposed floodplain development and ensure that permits required by Federal and/or State/Commonwealth law have been obtained. State/Commonwealth or community officials, based on knowledge of local conditions and in the interest of safety, may set higher standards for construction or may limit development in floodplain areas. If your State/Commonwealth or community has adopted more restrictive or comprehensive floodplain management criteria, those criteria take precedence over the minimum NFIP requirements.

We will not print and distribute this LOMR to primary users, such as local insurance agents or mortgage lenders; instead, the community will serve as a repository for the new data. We encourage you to disseminate the information in this LOMR by preparing a news release for publication in your community's newspaper that describes the revision and explains how your community will provide the data and help interpret the NFIP maps. In that way, interested persons, such as property owners, insurance agents, and mortgage lenders, can benefit from the information.

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Map Information eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Avenue, Suite 500, Alexandria, VA 22304-6426. Additional Information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

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Patrick "Rick" F. Sacbbit, P.E., Branch Chief
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LETTER OF MAP REVISION DETERMINATION DOCUMENT (CONTINUED)

We have designated a Consultation Coordination Officer (CCO) to assist your community. The CCO will be the primary liaison between your community and FEMA. For information regarding your CCO, please contact:

Ms. Juliette Hayes
Director, Mitigation Division
Federal Emergency Management Agency, Region IX
1111 Broadway, Suite 1200
Oakland, CA 94607-4052
(510) 627-7211

STATUS OF THE COMMUNITY NFIP MAPS

We will not physically revise and republish the FIRM and FIS report for your community to reflect the modifications made by this LOMR at this time. When changes to the previously cited FIRM panel(s) and FIS report warrant physical revision and republication in the future, we will incorporate the modifications made by this LOMR at that time.

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Map Information eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Avenue, Suite 500, Alexandria, VA 22304-6426. Additional Information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

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**LETTER OF MAP REVISION
DETERMINATION DOCUMENT (CONTINUED)**

PUBLIC NOTIFICATION OF REVISION

A notice of changes will be published in the *Federal Register*. This information also will be published in your local newspaper on or about the dates listed below, and through FEMA's Flood Hazard Mapping website at https://www.floodmaps.fema.gov/fhm/bfe_status/bfe_main.asp

LOCAL NEWSPAPER

Name: *The Desert Sun*

Dates: September 26, 2019 and October 3, 2019

Within 90 days of the second publication in the local newspaper, any interested party may request that we reconsider this determination. Any request for reconsideration must be based on scientific or technical data. Therefore, this letter will be effective only after the 90-day appeal period has elapsed and we have resolved any appeals that we receive during this appeal period. Until this LOMR is effective, the revised flood hazard determination presented in this LOMR may be changed.

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Map Information eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Avenue, Suite 500, Alexandria, VA 22304-6426. Additional Information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

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Table 24: Floodway Data, Continued

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Sunnyslope Channel								
A	2,450 ¹	30	68	26.4	762.5	762.5	762.5	0.0
B	2,850 ¹	30	64	28.1	768.4	768.4	768.4	0.0
C	3,130 ¹	30	82	21.8	783.8	783.8	783.8	0.0
D	3,930 ¹	30	79	22.7	791.5	791.5	791.5	0.0
E	4,170 ¹	30	94	18.0	796.9	796.9	796.9	0.0
F	4,750 ¹	30	82	20.7	799.9	799.9	799.9	0.0
G	6,000 ¹	30	124	12.6	814.1	814.1	814.1	0.0
H	8,000 ¹	30	57	23.5	819.2	819.2	819.2	0.0
I	8,500 ¹	30	60	22.2	826.2	826.2	826.2	0.0
J	8,890 ¹	30	64	20.9	832.1	832.1	832.1	0.0
K	9,180 ¹	30	56	23.8	839.5	839.5	839.5	0.0
L	9,660 ¹	30	66	20.3	847.6	847.6	848.0	0.4
M	9,900 ¹	30	77	17.4	850.7	850.7	851.7	1.0
Tahquitz Creek								
F ³	500 ²							
G ³	1,850 ²							
A	4,000 ²	515	1,260	5.3	367.8	367.8	367.8	0.0
B	6,232 ²	210	1,136	7.0	379.6	379.6	380.5	0.9
C	7,078 ²	118 ⁵	638	12.5	383.7	383.7	383.9	0.2
D	8,600 ²	850	1,506	5.3	390.0	390.0	390.0	0.0
E	10,560 ²	220 ⁵	828	9.7	398.6	398.6	399.4	0.8

Revised Data

¹Feet Above Confluence With Rubidoux Creek

²Feet Above Mouth

³Shared With Palm Canyon Wash-See Palm Canyon Wash for Floodway and Base Flood Water Surface Elevation

⁴Width Lies Partially Within Agua Caliente Indian Reservation

⁵Width Lies Entirely Within Agua Caliente Indian Reservation

**REVISED TO
REFLECT LOMR
EFFECTIVE: January 31, 2020**

TABLE 24

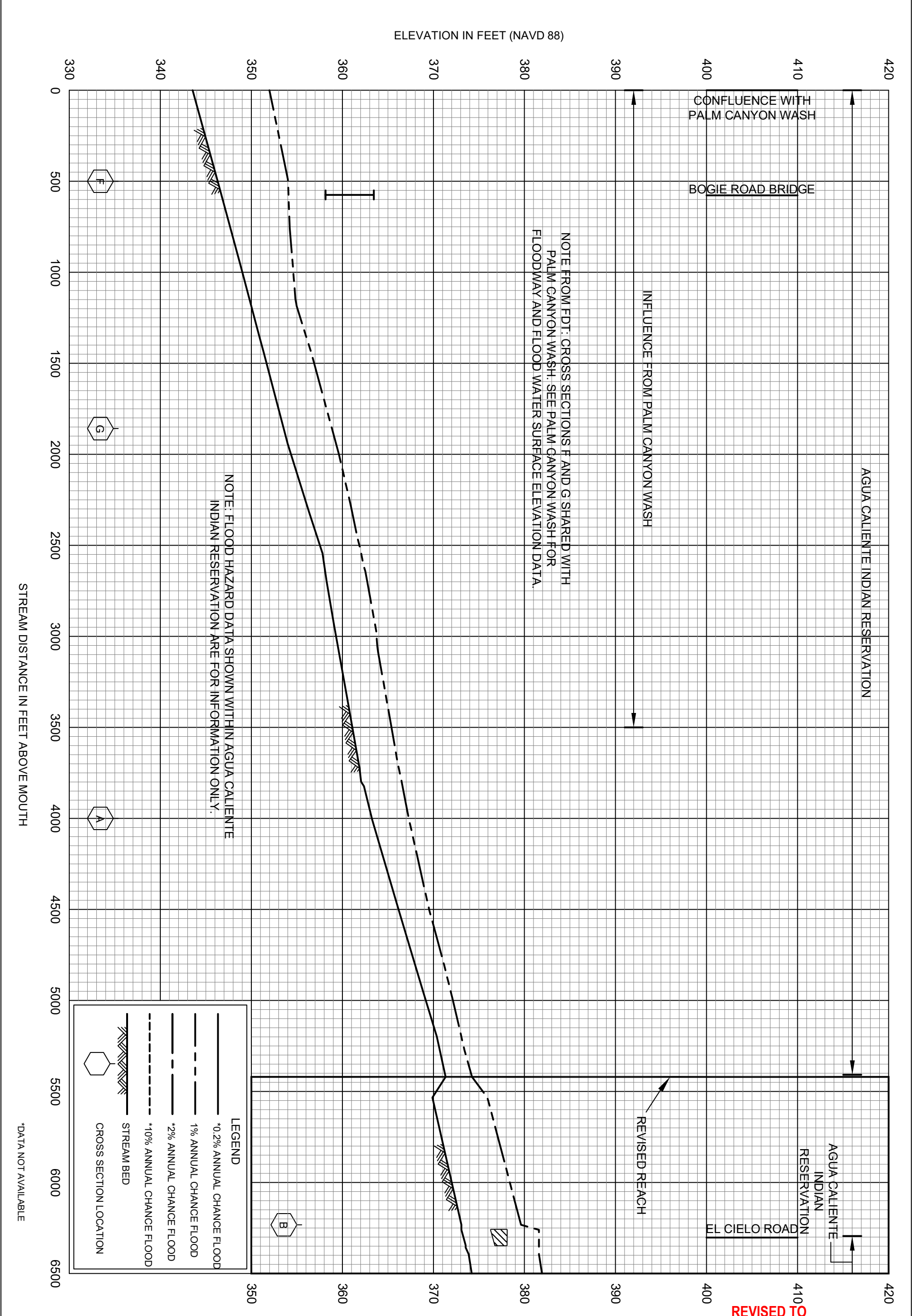
FEDERAL EMERGENCY MANAGEMENT AGENCY

RIVERSIDE COUNTY, CA

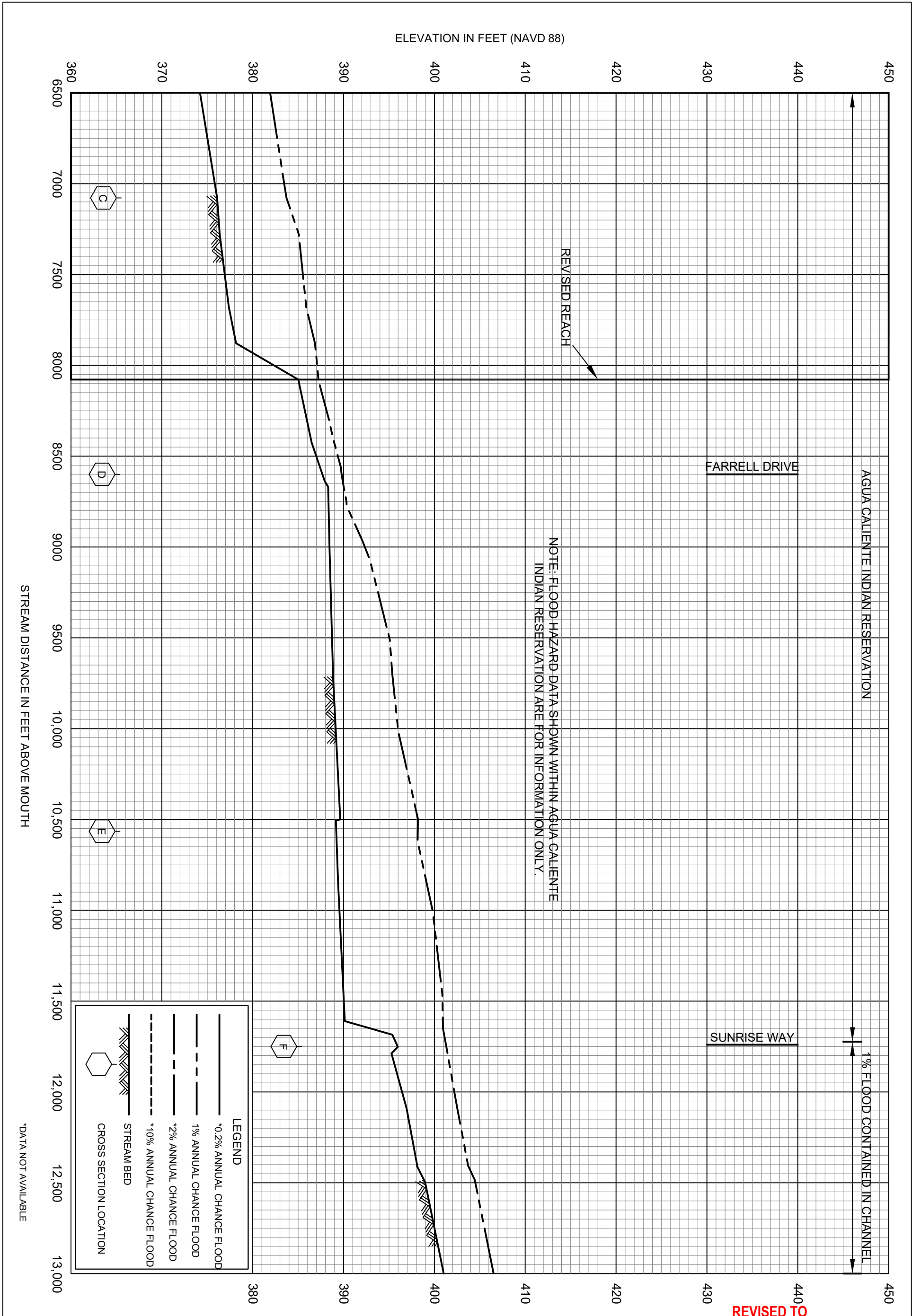
AND INCORPORATED AREAS

FLOODWAY DATA

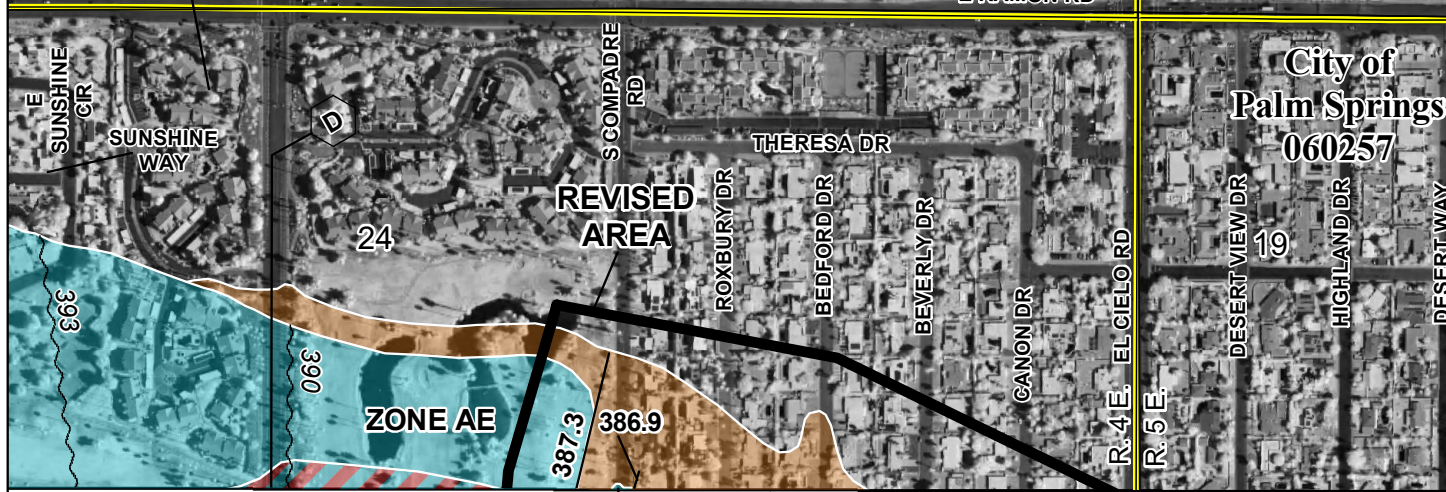
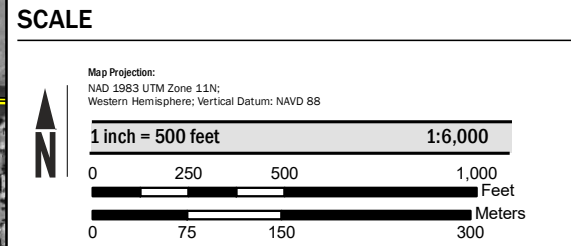
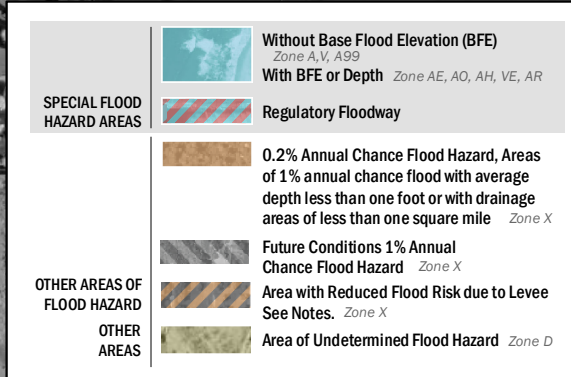
FLOODING SOURCES: SUNNYSLOPE CHANNEL -
TAHQUITZ CREEK



REVISED TO
REFLECT LOMR
EFFECTIVE: January 31, 2020



REVISED TO
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 EFFECTIVE: January 31, 2020



FEDERAL EMERGENCY MANAGEMENT AGENCY
National Flood Insurance Program

NATIONAL FLOOD INSURANCE PROGRAM
FLOOD INSURANCE RATE MAP

RIVERSIDE COUNTY, CALIFORNIA
and Incorporated Areas

PANEL **1559** OF **3805**

Panel Contains:

COMMUNITY	NUMBER	PANEL	SUFFIX
AGUA CALIENTE BAND OF CAHUILLA INDIAN RESERVATION	060763	1559	G
PALM SPRINGS, CITY OF	060257	1559	G

REVISED TO REFLECT LOMR EFFECTIVE: January 31, 2020

VERSION NUMBER 2.3.3.2
MAP NUMBER 06065C1559G
EFFECTIVE DATE AUGUST 28, 2008

NOTE: MAP AREA SHOWN ON THIS PANEL IS LOCATED WITHIN TOWNSHIP 4 SOUTH, RANGE 4 EAST AND TOWNSHIP 4 SOUTH, RANGE 5 EAST.

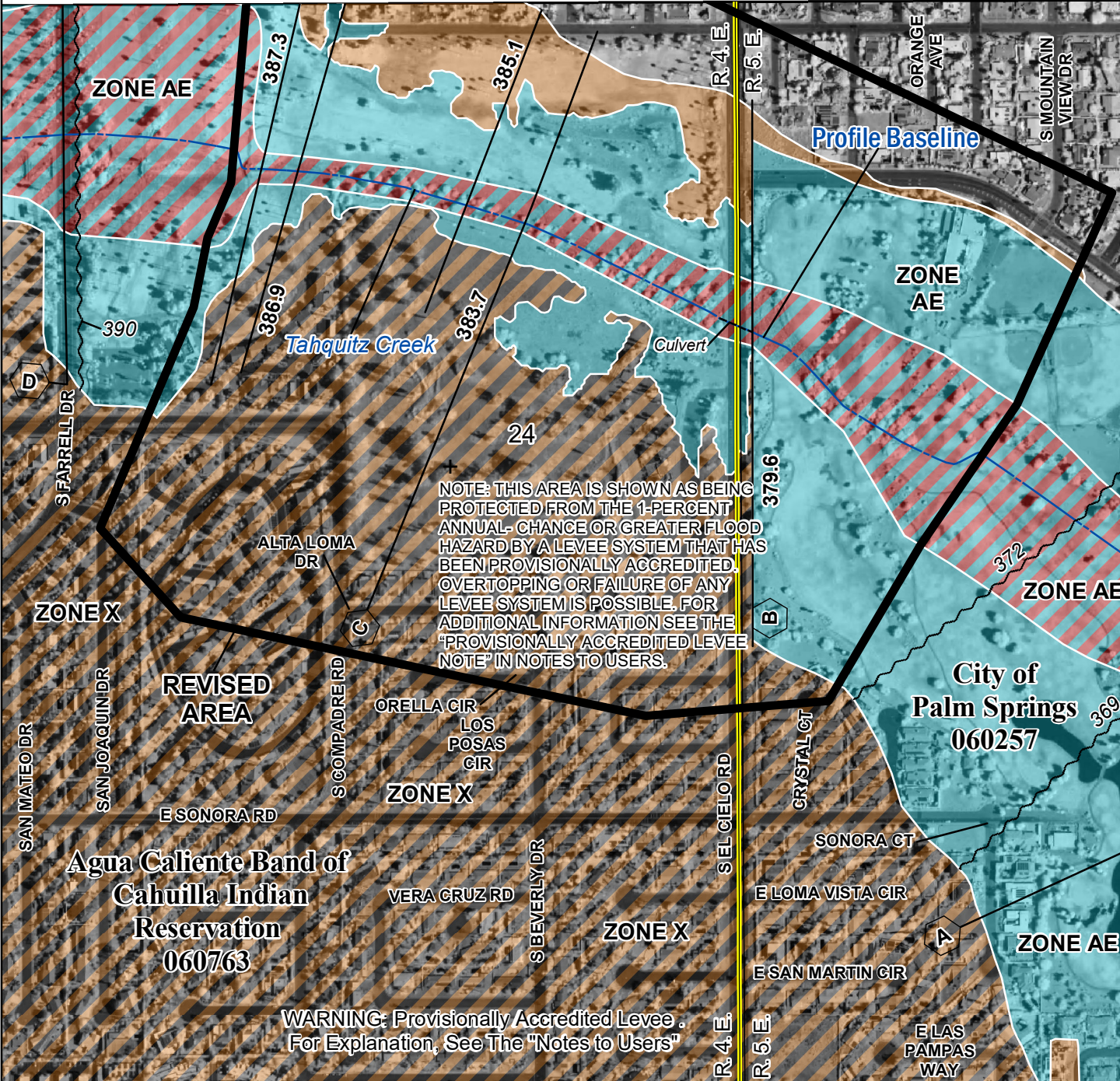
ZONE AE (EL 386.9) 545⁰⁰⁰mE

JOINS PANEL 1567

NOTE: MAP AREA SHOWN ON THIS PANEL IS LOCATED WITHIN TOWNSHIP 4 SOUTH, RANGE 4 EAST AND TOWNSHIP 4 SOUTH, RANGE 5 EAST.

6485000 FT

JOINS PANEL 1559



SPECIAL FLOOD HAZARD AREAS

- Without Base Flood Elevation (BFE)
Zone A, V, A99
- With BFE or Depth Zone AE, AO, AH, VE, AR
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD

- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
- Future Conditions 1% Annual Chance Flood Hazard Zone X
- Area with Reduced Flood Risk due to Levee See Notes. Zone X
- Area of Undetermined Flood Hazard Zone D

SCALE

Map Projection:
NAD 1983 UTM Zone 11N;
Western Hemisphere; Vertical Datum: NAVD 88

1 inch = 500 feet 1:6,000

0 250 500 1,000 Feet

0 75 150 300 Meters

FEMA National Flood Insurance Program

NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP

RIVERSIDE COUNTY, CALIFORNIA and Incorporated Areas

PANEL 1567 OF 3805

Panel Contains:

COMMUNITY	NUMBER	PANEL	SUFFIX
AGUA CALIENTE BAND OF CAHUILLA INDIAN RESERVATION	060763	1567	G
PALM SPRINGS, CITY OF	060257	1567	G

REVISADO TO REFLECT LOMR EFFECTIVE: January 31, 2020

VERSION NUMBER 2.3.3.2

MAP NUMBER 06065C1567G

EFFECTIVE DATE AUGUST 28, 2008