



Federal Emergency Management Agency

Washington, D.C. 20472

LETTER OF MAP REVISION DETERMINATION DOCUMENT

COMMUNITY AND REVISION INFORMATION		PROJECT DESCRIPTION	BASIS OF REQUEST	
COMMUNITY	Santa Clara County California (Unincorporated Areas)	CHANNELIZATION DETENTION BASIN LEVEE BRIDGE CULVERT	1D HYDRAULIC ANALYSIS 2D HYDRAULIC ANALYSIS FLOODWAY HYDROLOGIC ANALYSIS LEVEE CERTIFICATION UPDATED TOPOGRAPHIC DATA	
	COMMUNITY NO.: 060337			
IDENTIFIER	Permanente Flood Protection Project	APPROXIMATE LATITUDE & LONGITUDE: 37.409, -122.088 SOURCE: Precision Mapping Streets DATUM: NAD 83		
ANNOTATED MAPPING ENCLOSURES		ANNOTATED STUDY ENCLOSURES		
TYPE: FIRM* NO.: 06085C0202H DATE: May 18, 2009 TYPE: FIRM* NO.: 06085C0039H DATE: May 18, 2009 TYPE: FIRM* NO.: 06085C0204H DATE: May 18, 2009 TYPE: FIRM* NO.: 06085C0037H DATE: May 18, 2009		DATE OF EFFECTIVE FLOOD INSURANCE STUDY: February 19, 2014 PROFILE(S): 98P, 99P, 100P, 101P, 102P FLOODWAY DATA TABLE: 12 SUMMARY OF DISCHARGES TABLE: 6		

* FIRM - Flood Insurance Rate Map

FLOODING SOURCE(S) & REVISED REACH(ES)

See Page 2 for Additional Flooding Sources

Permanente Creek - From approximately 4,550 feet downstream of Amphitheatre Parkway to approximately 2,000 feet upstream of Permanente Road.

SUMMARY OF REVISIONS

Flooding Source	Effective Flooding	Revised Flooding	Increases	Decreases
Permanente Creek	BFEs* Zone AE Floodway Zone AE	BFEs Zone AE Floodway Zone X(shaded)	YES YES YES NONE	YES YES YES YES

* 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 Mapping and Insurance eXchange (FMIX) 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 <https://www.fema.gov/flood-insurance>.


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



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

OTHER FLOODING SOURCES AFFECTED BY THIS REVISION

FLOODING SOURCE(S) & REVISED REACH(ES)

Permanente Creek - From approximately 4,550 feet downstream of Amphitheatre Parkway to approximately 2,000 feet upstream of Permanente Road.

SUMMARY OF REVISIONS

Flooding Source	Effective Flooding	Revised Flooding	Increases	Decreases
Permanente Creek				
	Zone AO	Zone X(Shaded)	YES	YES
	Depth	No Depth	NONE	YES
	Zone AH	Zone X (shaded)	YES	YES

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 Mapping and Insurance eXchange (FMIX) 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 <https://www.fema.gov/flood-insurance>.


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

OTHER COMMUNITIES AFFECTED BY THIS REVISION

CID Number: 060339 **Name:** City of Cupertino, California

AFFECTED MAP PANELS	AFFECTED PORTIONS OF THE FLOOD INSURANCE STUDY REPORT
TYPE: FIRM* NO.: 06085C0204H DATE: May 18, 2009	DATE OF EFFECTIVE FLOOD INSURANCE STUDY: February 19, 2014 PROFILE(S): 98P, 99P, 100P, 101P, 102P FLOODWAY DATA TABLE: 12 SUMMARY OF DISCHARGES TABLE: 6

CID Number: 060341 **Name:** City of Los Altos, California

AFFECTED MAP PANELS	AFFECTED PORTIONS OF THE FLOOD INSURANCE STUDY REPORT
TYPE: FIRM* NO.: 06085C0039H DATE: May 18, 2009 TYPE: FIRM* NO.: 06085C0202H DATE: May 18, 2009 TYPE: FIRM* NO.: 06085C0204H DATE: May 18, 2009	DATE OF EFFECTIVE FLOOD INSURANCE STUDY: February 19, 2014 PROFILE(S): 98P, 99P, 100P, 101P, 102P AND 103P FLOODWAY DATA TABLE: 12 SUMMARY OF DISCHARGES TABLE: 6

CID Number: 060347 **Name:** City of Mountain View, California

AFFECTED MAP PANELS	AFFECTED PORTIONS OF THE FLOOD INSURANCE STUDY REPORT
TYPE: FIRM* NO.: 06085C0036H DATE: May 18, 2009 TYPE: FIRM* NO.: 06085C0039H DATE: May 18, 2009 TYPE: FIRM* NO.: 06085C0037H DATE: May 18, 2009 TYPE: FIRM* NO.: 06085C0202H DATE: May 18, 2009 TYPE: FIRM* NO.: 06085C0206H DATE: May 18, 2009	DATE OF EFFECTIVE FLOOD INSURANCE STUDY: February 19, 2014 PROFILE(S): 98P, 99P, 100P, 101P, 102P AND 103P FLOODWAY DATA TABLE: 12 SUMMARY OF DISCHARGES TABLE: 6

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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 discharges computed in the submitted hydrologic model. Future development of projects upstream could cause increased discharges, which could cause increased flood hazards. A comprehensive restudy of your community's flood hazards would consider the cumulative effects of development on discharges and could, therefore, indicate that greater flood hazards exist in this area.

Your community is responsible for maintaining and disseminating information, such as the estimated level of protection provided (which may exceed the 1-percent-annual-chance level) and Emergency Action Plan, for the levee system(s) shown as providing protection. To mitigate flood risk in residual risk areas, property owners and residents are encouraged to consider flood insurance and flood proofing or other protective measures. For more information on flood insurance, interested parties should visit the FEMA Website at <https://www.fema.gov/flood-insurance>.

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 Mapping and Insurance eXchange (FMIX) 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 <https://www.fema.gov/flood-insurance>.

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LETTER OF MAP REVISION DETERMINATION DOCUMENT (CONTINUED)

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 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:

Kathryn Lipiecki
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 Mapping and Insurance eXchange (FMIX) 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 <https://www.fema.gov/flood-insurance>.



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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 Santa Clara Weekly*
Dates: May 1, 2024 and May 8, 2024

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 Mapping and Insurance eXchange (FMIX) 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 <https://www.fema.gov/flood-insurance>.



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Table 6 – Summary of Discharges, continued

Flooding Source and Location	Drainage Area (sq mi)	Peak Discharges (cfs)				0.2-Percent-Annual-Chance
		10-Percent-Annual-Chance	2-Percent-Annual-Chance	1-Percent-Annual-Chance		
MATADERO CREEK, continued						
At corporate limits	3.39	402	795	970	1,300	
At El Camino Real	7.60	1,100	2,100	2,280	2,690	
At Louis Road	9.40	1,380	1,500 ¹	1,500 ¹	1,500 ¹	
At Middlefield Road	9.40	1,380	1,900 ¹	1,500 ¹	1,900 ¹	
At Railroad	9.10	²	²	2,435	²	
At U.S. Highway 101	13.60	1,660	1,775	1,775	1,775	
Below confluence with Arastradero Creek	2.70	325	660	790	1,030	
Downstream of Foothill Expressway	5.60	²	²	1,900	²	
Downstream of Park Boulevard	7.50	²	²	2,700	²	
Downstream of U.S. Highway 101	15.80	²	²	3,100	²	
Upstream of Railroad	9.10	1,220	2,170	2,520	2,810	
MILLER SLOUGH						
At U.S. Highway 101	1.80	²	²	760	²	
MIDDLE ROAD OVERFLOW AREA						
At convergence with Llagas Creek	²	²	²	39	²	
At divergence from West Little Llagas Creek	²	²	²	658	²	
NORTH MOREY CREEK						
Upstream of Lions Creek	1.00	²	²	485	²	
PAJARO RIVER						
At U.S. Highway 101	522	²	²	30,500	²	
PERMANENTE CREEK						
Upstream of West Branch Permanente Creek	1.17	290	410	460	560	
Lower Permanente Creek upstream of West Branch Permanente Creek	2.48	620	860	960	1,150	
Upstream of Rancho San Antonio Detention Basin	3.65	760	1,200	1,350	1,650	
Downstream of Rancho San Antonio Detention Basin	3.65	720	810	830	1,420	
Downstream of West Branch Permanente Creek	7.16	1,260	1,610	1,740	2,440	
At Foothill Express Parkway	7.16	1,260	1,610	1,740	2,110	

¹Decrease in flow rate based on capacity restrictions

²Data not available

³Decrease in flow rate due to storage along channel

⁴High flows affected by Permanente Diversion

⁵High flows diverted to Stevens Creek

REVISED
DATA

REVISED TO
REFLECT LOMR
EFFECTIVE: September 5, 2024

Table 6 – Summary of Discharges, continued

Flooding Source and Location	Drainage Area (sq mi)	Peak Discharges (cfs)				0.2-Percent-Annual-Chance
		10-Percent-Annual-Chance	2-Percent-Annual-Chance	1-Percent-Annual-Chance		
PERMANENTE CREEK, continued						
At the Diversion	8.05	1,380	1,780	1,910	2,320	
Downstream of Diversion	8.05 ³	100 ³	100 ³	100 ³	100 ³	
At Miramonte/Cuesta Bridge	8.70	170	170	170	170	
At Hale Creek	9.23	210	210	210	210	
Upstream of confluence with Hale Creek	9.20	210	210	210	210	
Upstream of McKelvey Detention Basin	13.62	910	1100	1170	1180	
Downstream of McKelvey Detention Basin	13.62	890	960	980	980	
At Central Express way	15.40	1,050	1,120	1,140	1,170	
Upstream of U.S. Highway 101	16.17	1,120	1,190	1,220	1,240	
PERMANENTE DIVERSION						
At confluence with Stevens Creek	8.90	1,270	1,650	1,730	1,770	
At Grant Road	8.60	1,280	1,660 ²	1,780 ²	1,800 ²	
Downstream of Diversion Structure	8.10	1,280	1,670	1,810	2,220	

PROSPECT CREEK

Upstream of confluence with Calabazas Creek	REVISED DATA	1.40	6	6	635	6
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PURISSIMA CREEK

At corporate limits	1.25	147	320	402	588
At Interstate Highway 280	0.30	37	82	104	153
At Viscaino Road	0.70	88	182	227	320

SAN FRANCISQUITO CREEK

At Alma Street	40.60	4,350	7,050	8,280	9,850 ¹
At U.S. Geological Survey gage	37.10	4,050	6,700	7,860	10,500
Downstream of Chaucer Road	41.60	4,350	6,000 ¹	6,000 ¹	6,200 ¹

¹Decrease in flow rate based on capacity restrictions

²Decrease in flow due to spills upstream of Grant Road

³Flows are reduced to 100 cfs at Permanente Diversion

⁴Flow influenced by spill from adjoining watercourse

⁵Low flows continue down Permanente Creek

⁶Data not available

REVISED DATA

**REVISED TO
REFLECT LOMR
EFFECTIVE: September 5, 2024**

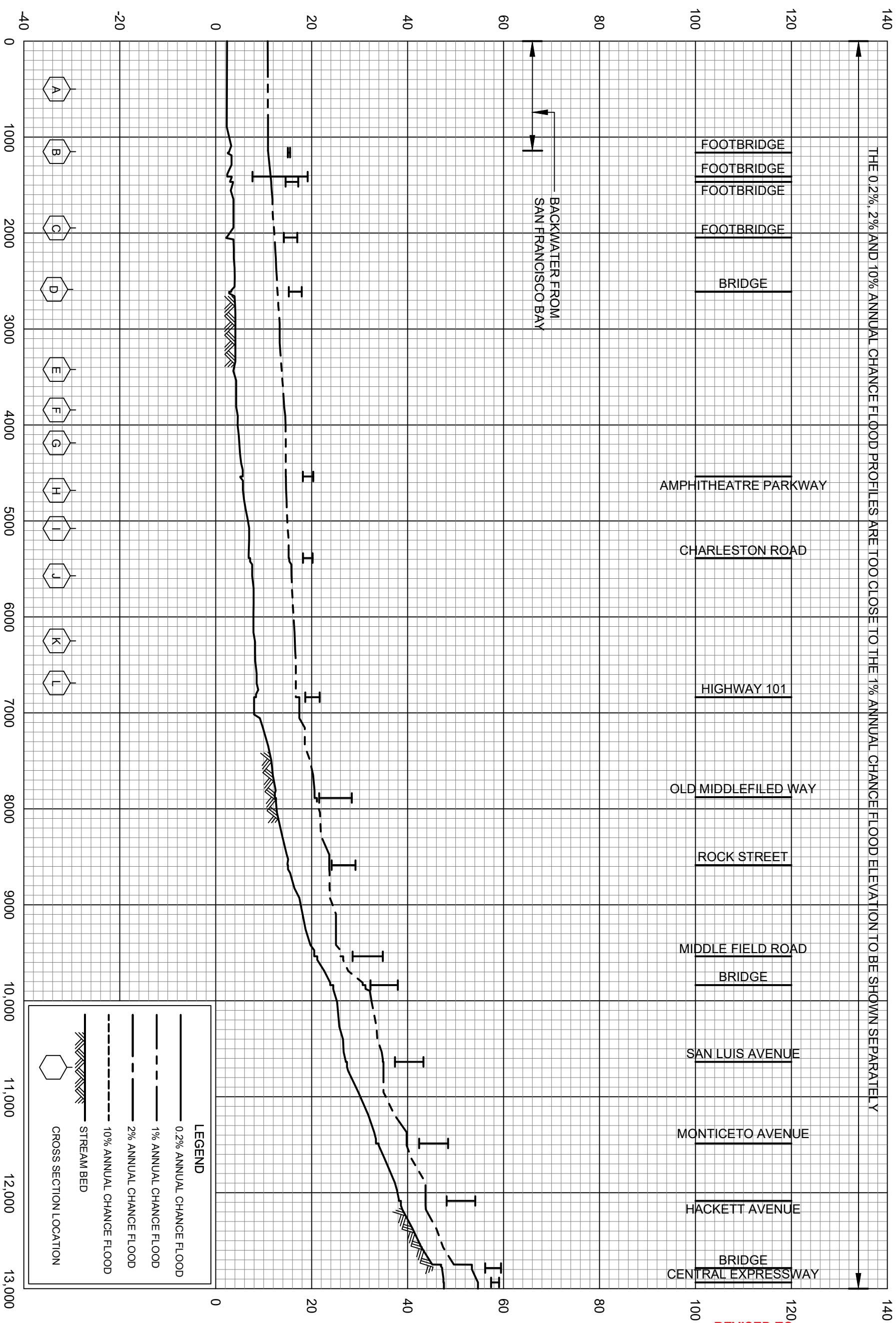
FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULAT ORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Permanente Creek								
A - L ²								
M	37,065	112	213	8.2	289.4	289.4	289.4	0.0
N	37,665	45	171	10.2	293.4	293.4	293.7	0.3
O	38,225	41	141	5.9	301.6	301.6	301.6	0.0
P	39,163	31	87	9.6	323.7	323.7	323.8	0.1
Q	39,697	22	85	9.8	334.7	334.7	334.7	0.0
R	40,395	17	72	11.6	353.5	353.5	353.5	0.0
S	41,194	33	118	7.1	369.1	369.1	369.2	0.1
T	41,845	62	118	7.1	378.8	378.8	378.8	0.0
U	42,375	33	93	8.5	392.9	392.9	393.0	0.1
V	42,862	50	103	7.6	409.5	409.5	409.6	0.1
W	43,440	56	110	7.2	425.1	425.1	425.1	0.0
X	43,957	39	137	5.9	434.4	434.4	434.4	0.0
Y	44,345	46	137	9.9	445.3	445.3	445.3	0.0
Z	44,955	93	123	11.0	465.6	465.6	465.8	0.0
AA	45,715	157	184	7.4	492.7	492.7	492.7	0.0
AB	47,295	122	178	7.8	534.3	534.3	534.5	0.2

¹Feet above confluence with San Francisco Bay

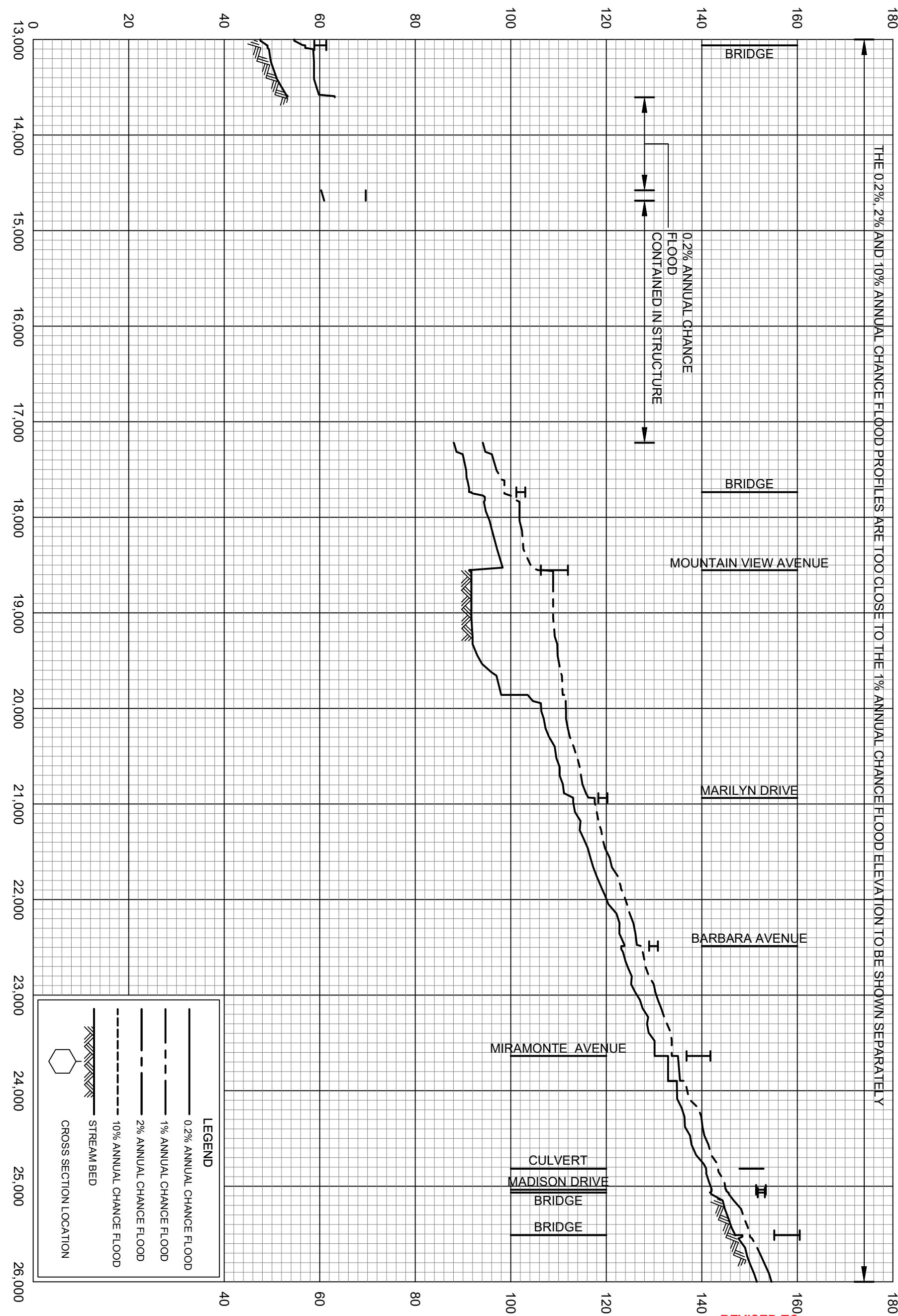
²No floodway determined

TABLE 12	FEDERAL EMERGENCY MANAGEMENT AGENCY SANTA CLARA COUNTY, CA AND INCORPORATED AREAS	FLOODWAY DATA
		REVISED TO REFLECT LOMR EFFECTIVE: September 5, 2024
		PERMANENTE CREEK

ELEVATION IN FEET (NAVD 88)



ELEVATION IN FEET (NAVD 88)



ELEVATION IN FEET (NAVD 88)

320

300

280

260

240

220

200

180

160

140

120

100

80

60

40

20

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

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16200

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16400

16500

16600

16700

16800

16900

17000

17100

17200

17300

17400

17500

17600

17700

17800

17900

18000

18100

18200

ELEVATION IN FEET (NAVD 88)

460

THE 0.2%, 2%, AND 10% ANNUAL CHANCE FLOOD PROFILES ARE TOO CLOSE TO THE 1% ANNUAL CHANCE FLOOD ELEVATION TO BE SHOWN SEPARATELY

460

440

BRIDGE

FOOTBRIDGE

FOOTBRIDGE

FOOTBRIDGE

420

FOOTBRIDGE

FOOTBRIDGE

FOOTBRIDGE

400

FOOTBRIDGE

FOOTBRIDGE

FOOTBRIDGE

380

FOOTBRIDGE

FOOTBRIDGE

FOOTBRIDGE

360

FOOTBRIDGE

FOOTBRIDGE

FOOTBRIDGE

340

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300

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FOOTBRIDGE

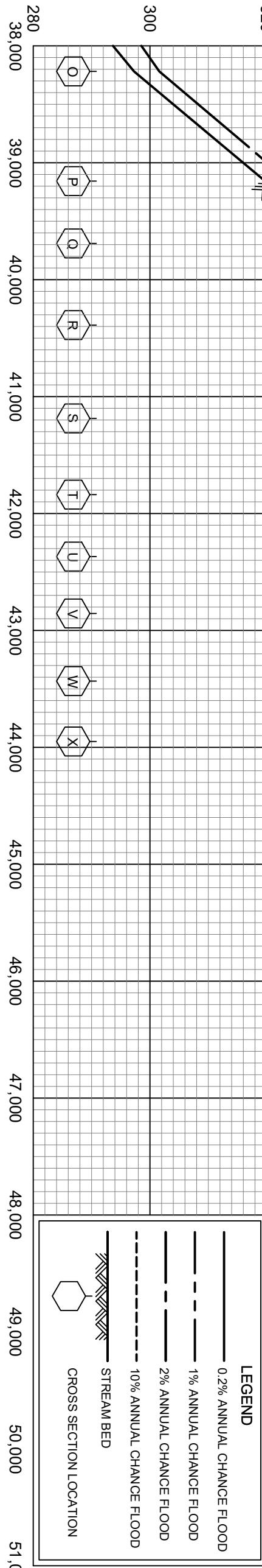
280

FOOTBRIDGE

FOOTBRIDGE

FOOTBRIDGE

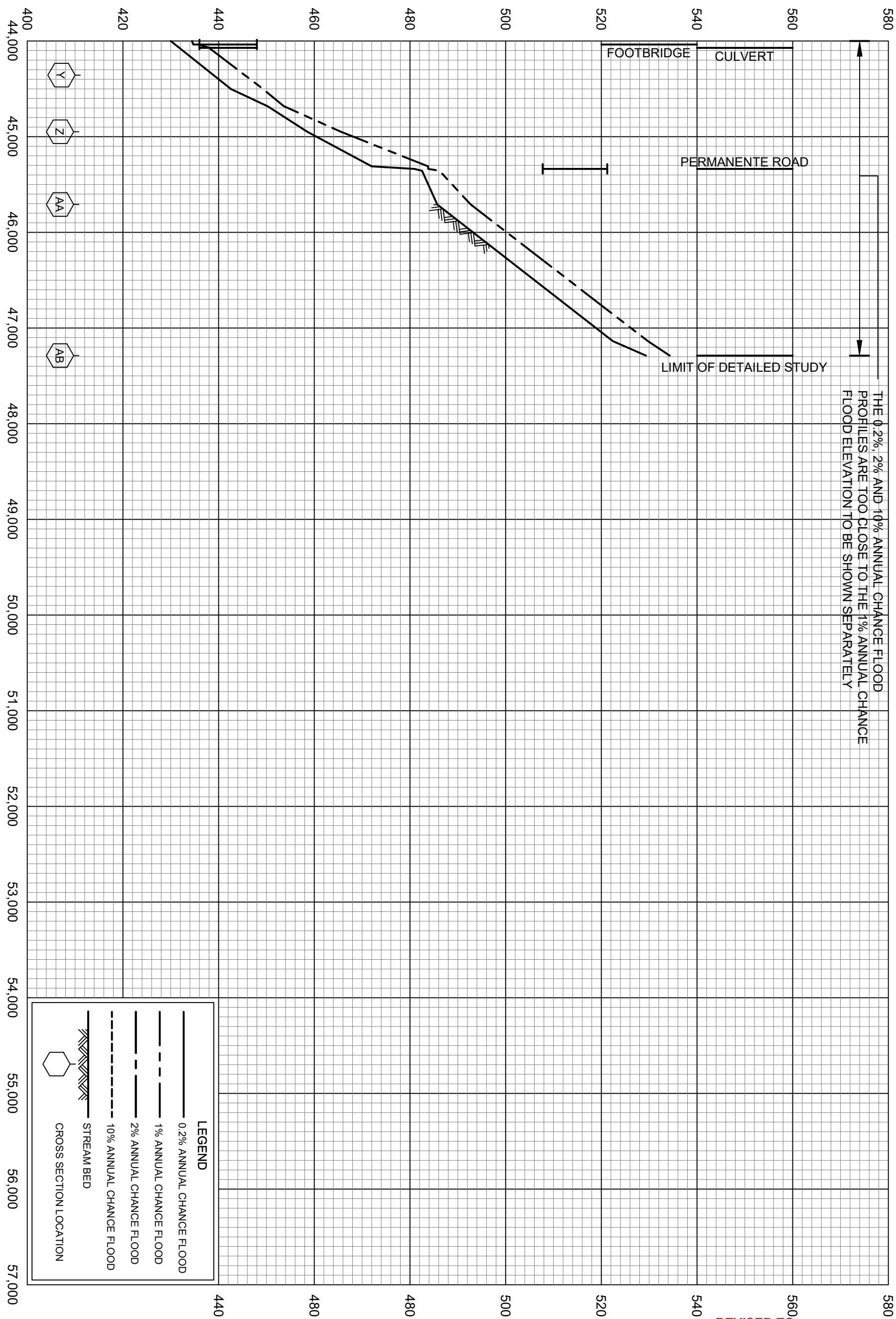
STREAM DISTANCE IN FEET ABOVE INBOARD LEVEE AT CORPORATE LIMITS



FEDERAL EMERGENCY MANAGEMENT AGENCY
SANTA CLARA COUNTY, CA
AND INCORPORATED AREAS

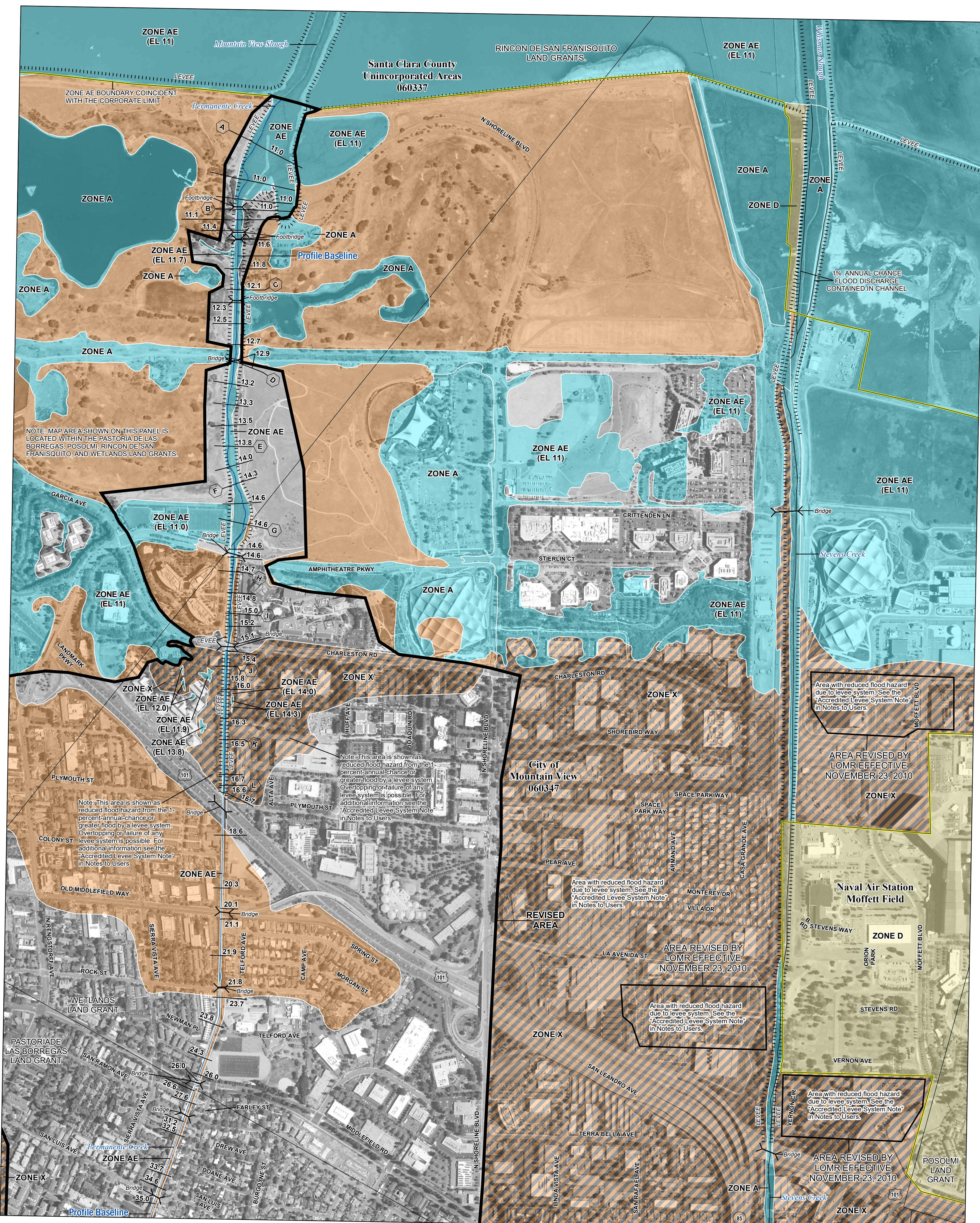
FLOOD PROFILES
REFLECT LOMR
EFFECTIVE: September 5, 2024
PERMANENTE CREEK

ELEVATION IN FEET (NAVD 88)



FEDERAL EMERGENCY MANAGEMENT AGENCY
SANTA CLARA COUNTY, CA
AND INCORPORATED AREAS

FLOOD PROFILES
PERMANENTE CREEK



FLOOD HAZARD INFORMATION

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT
THE INFORMATION DEPICTED ON THIS MAP AND SUPPORTING DOCUMENTATION ARE ALSO AVAILABLE IN DIGITAL FORMAT AT [HTTPS://MSC.FEMA.GOV](https://msc.fema.gov)

SPECIAL FLOOD HAZARD AREAS

- Without Base Flood Elevation (BFE) Zone A, 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 with Flood Risk due to Levee Zone D
- NO SCREEN Areas of Minimal Flood Hazard Zone X
- Area of Undetermined Flood Hazard Zone D
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

GENERAL STRUCTURES

- 18.2 Cross Sections with 1% Annual Chance Water Surface Elevation
- 17.5 Coastal Transect
- Profile Baseline
- Hydrographic Feature
- 513 Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary

NOTES TO USERS

For information and questions about this Flood Insurance Rate Map (FIRM), available products associated with this FIRM, including hardcopy versions, the current map date for this FIRM, and how to order products, on the National Flood Insurance Program (NFIP) in general, please call the FEMA Mapping and Insurance Exchange at 1-877-FEMA-MAP (1-877-336-6227) or visit the FEMA Flood Map Service Center website at <https://msc.fema.gov>. Available products may include previously issued Letters of Map Change, a Flood Insurance Study Report, and/or digital versions of this map. Many of these products can be ordered or obtained directly from the website.

Communities annexing land on adjacent FIRM panels must obtain a current copy of the adjacent panel as well as the current FIRM Index. These may be ordered directly from the Flood Map Service Center at the number listed above.

For community and countywide map dates refer to the Flood Insurance Study Report for this jurisdiction.

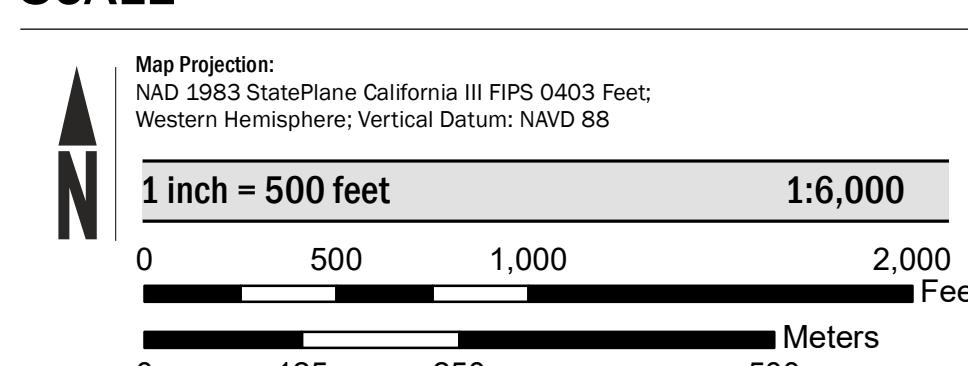
To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-338-6220.

Base map information shown on this FIRM was provided in digital format by the USDA National Agriculture Imagery Program (NAIP). This information was Photogrammetrically compiled at a scale of 1:24,000 from aerial photography dated 2005 or later.

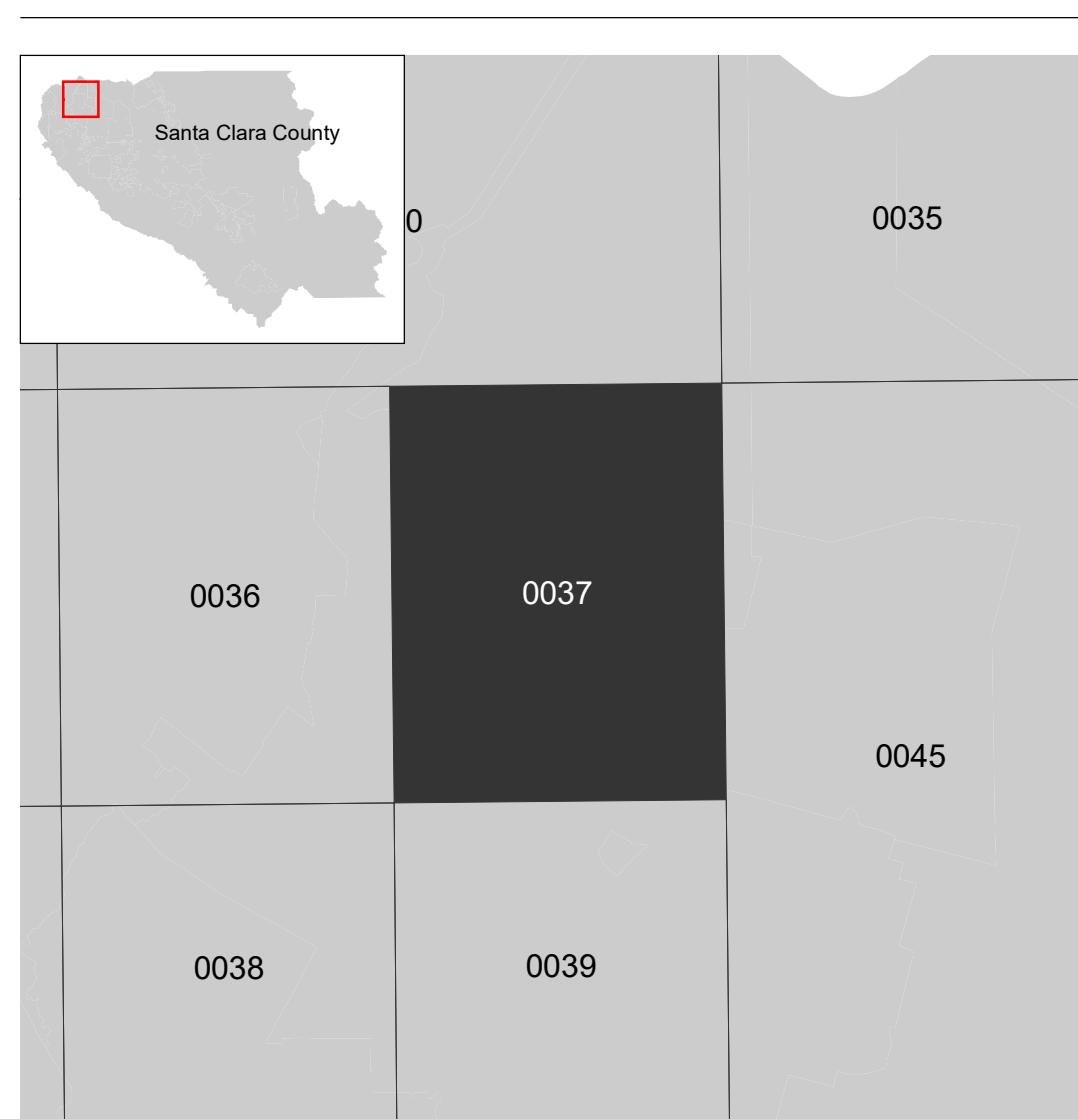
ACREDITED LEVEE SYSTEM: Check with your local community to obtain more information on the levee system(s) shown on this panel and the location of the panel. To mitigate flood hazards in residual risk areas, property owners and residents are encouraged to review the community's emergency preparedness plan and to consider flood insurance and floodproofing, or other risk reduction measures. For more information on flood insurance, interested parties should visit <https://fema.gov/flood-insurance>.

PROVISIONALLY ACCREDITED LEVEE: Check with your local community to obtain more information, such as the estimated level of protection provided (which may exceed the 1-percent-annual-chance level) and Emergency Action Plan for the levee system(s) shown as provisionally accredited for areas on this panel. To attain accreditation, the local owner or operator is required to submit the panel to the National Flood Insurance Program for Section 6510 of the NFIP regulations by August 1, 2009. If the community or owner does not provide the necessary data and documentation or if the data and documentation provided indicate the levee system does not comply with Section 6510 requirements, FEMA will revise the flood hazard and risk information for this area to reflect the revised level of protection and flood insurance premium. Property owners and residents are encouraged to consider flood insurance and floodproofing or other protective measures. For more information on flood insurance, interested parties should visit <https://www.fema.gov/national-flood-insurance-program>.

SCALE



PANEL LOCATOR



NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP

SANTA CLARA COUNTY, CALIFORNIA and Incorporated Areas

PANEL 37 OF 830



Panel Contains:

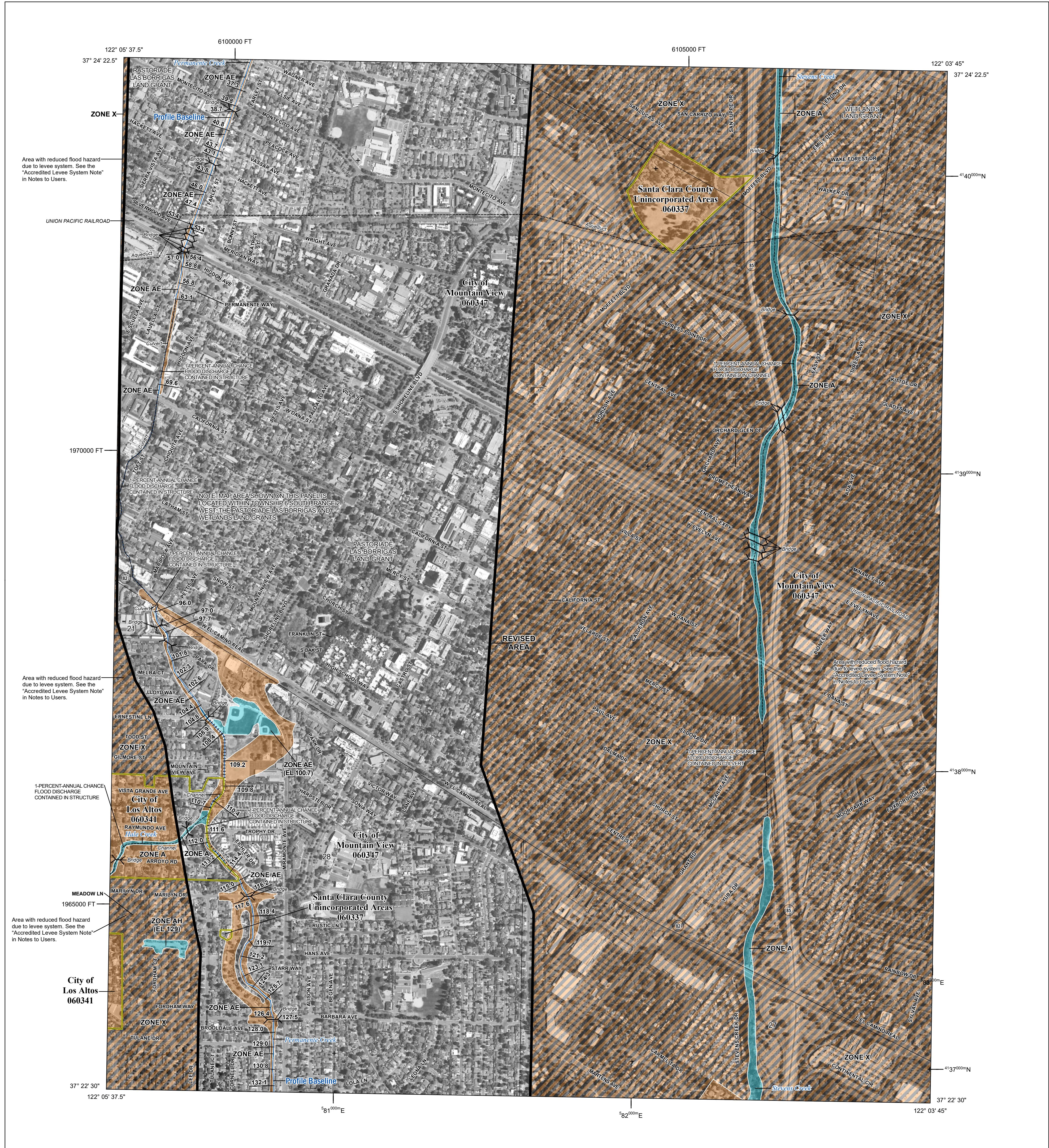
COMMUNITY NUMBER 060347 0037 H
SANTA CLARA COUNTY 060337 0037 H

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VERSION NUMBER
2.1.3.0

06085C0037H

EFFECTIVE DATE
MAY 18, 2009



FLOOD HAZARD INFORMATION

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT
THE INFORMATION DEPICTED ON THIS MAP AND SUPPORTING DOCUMENTATION ARE ALSO AVAILABLE IN DIGITAL FORMAT AT
[HTTPS://MSC.FEMA.GOV](https://msc.fema.gov)

SPECIAL FLOOD HAZARD AREAS	Without Base Flood Elevation (BFE) Zone A, V, A99
	With BFE or Depth Zone AE, AO, AH, VE, AR
OTHER AREAS OF FLOOD HAZARD	Regulatory Floodway
OTHER AREAS	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
GENERAL STRUCTURES	Future Conditions 1% Annual Chance Flood Hazard Zone X
OTHER FEATURES	Area with Reduced Flood Risk due to Levee See Notes. Zone X
	Area with Flood Risk due to Levee Zone D
	NO SCREEN Areas of Minimal Flood Hazard Zone X
	Area of Undetermined Flood Hazard Zone D
	Channel, Culvert, or Storm Sewer
	Levee, Dike, or Floodwall
	18.2' Cross Sections with 1% Annual Chance Water Surface Elevation
	17.5' 17.5' Coastal Transect
	Coastal Transect Baseline
	Profile Baseline
	Hydrographic Feature
	Base Flood Elevation Line (BFE)
	Limit of Study
	Jurisdiction Boundary

NOTES TO USERS

For information and questions about this Flood Insurance Rate Map (FIRM), available products associated with this FIRM, including digital versions, the current map index of all FIRM panels, how to order products, or the National Flood Insurance Program (NFIP) in general, please call the FEMA Mapping and Insurance Exchange at 1-877-FEMA-MAP (1-877-336-6227) or visit the FEMA Flood Map Service Center website at <https://msc.fema.gov>. Available products may include previously issued Letters of Map Change, a Flood Insurance Study Report, and/or digital versions of this map. Many of these products can be ordered or obtained directly from the website.

Communities annexing land on adjacent FIRM panels must obtain a current copy of the adjacent panel as well as the current FIRM Index. These may be ordered directly from the Flood Map Service Center at the number listed above.

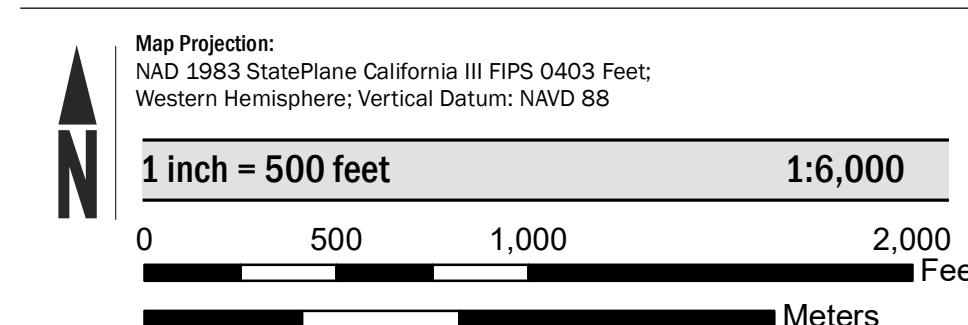
For community and countywide map dates refer to the Flood Insurance Study Report for this jurisdiction.

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-33-6620.

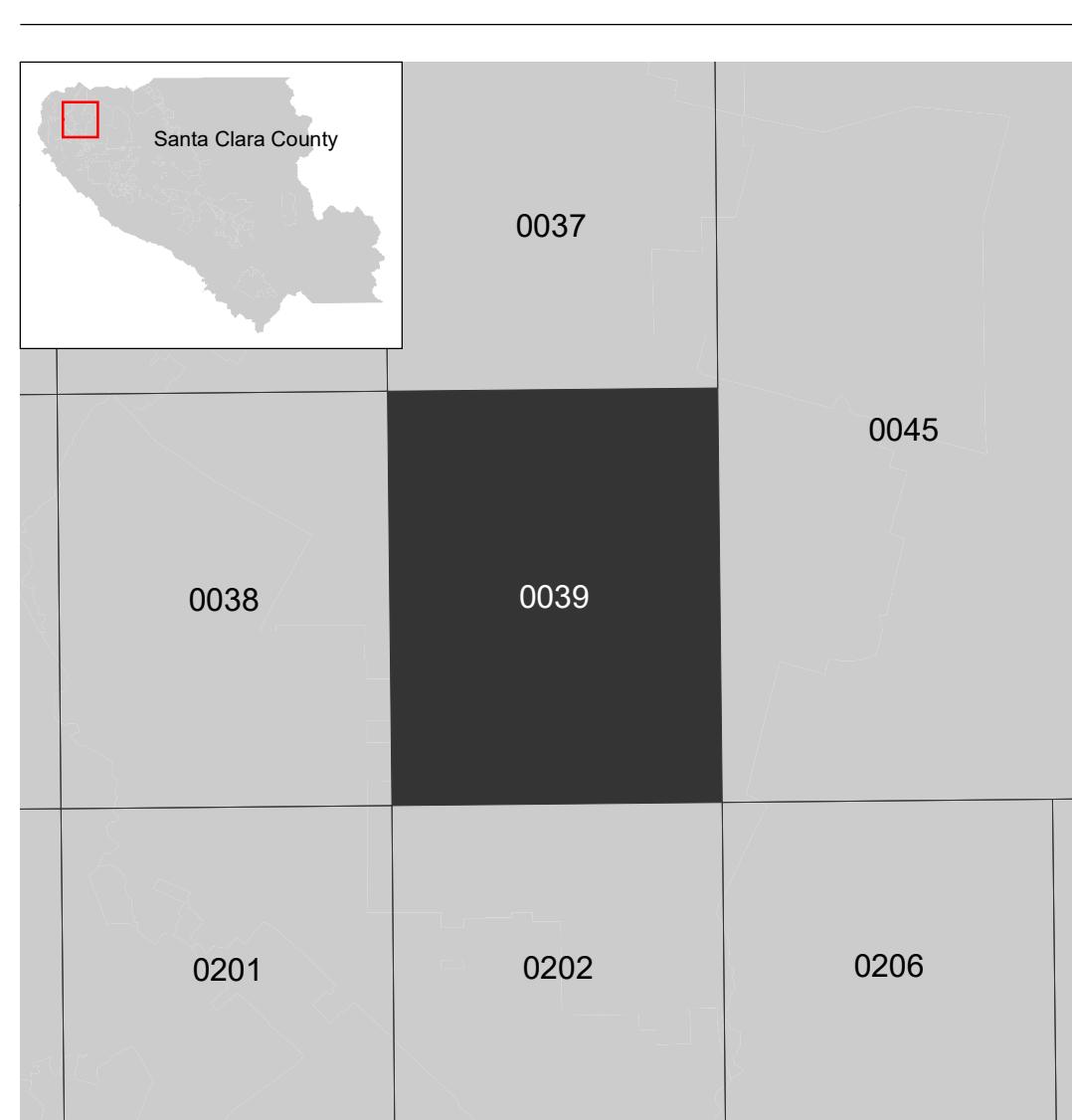
Base map information shown on this FIRM was provided in digital format by the USDA National Agriculture Imagery Program (NAIP). This information was Photogrammetrically compiled at a scale of 1:24,000 from aerial photography dated 2005 or later.

ACCREDITED LEVEE SYSTEM: Check with your local community to obtain more information on the levee system(s) shown as providing flood hazard reduction on this panel. To mitigate flood hazards in residual risk areas, property owners and residents are encouraged to review the community's emergency preparedness plan and to consider flood insurance and floodproofing, or other risk reduction measures. For more information on flood insurance, interested parties should visit <https://fema.gov/flood-insurance>.

SCALE



PANEL LOCATOR



NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP

SANTA CLARA COUNTY, CALIFORNIA and Incorporated Areas

PANEL 39 of 830



Panel Contains:

COMMUNITY	NUMBER	PANEL	SUFFIX
LOS ALTOS, CITY OF	060341	0039	H
MOUNTAIN VIEW, CITY OF	060347	0039	H
SANTA CLARA COUNTY	060337	0039	H

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VERSION NUMBER

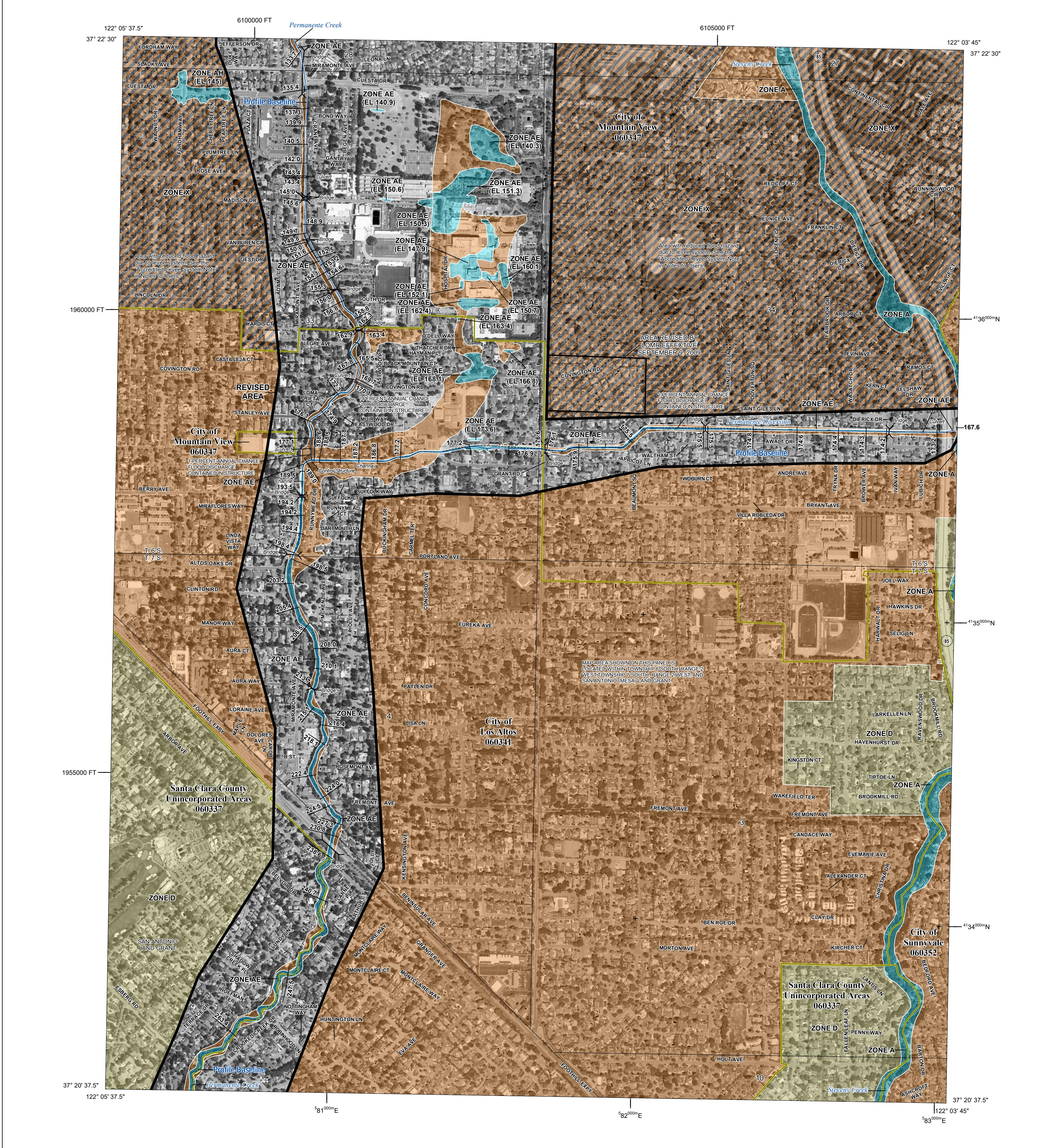
2.1.3.0

MAP NUMBER

06085C0039H

EFFECTIVE DATE

MAY 18, 2009



FLOOD HAZARD INFORMATION

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT
THE INFORMATION DEPICTED ON THIS MAP AND SUPPORTING DOCUMENTATION ARE ALSO AVAILABLE IN DIGITAL FORMAT AT [HTTPS://MSC.FEMA.GOV](https://msc.fema.gov)

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 with Flood Risk due to Levee Zone D

OTHER AREAS

- NO SCREEN Areas of Minimal Flood Hazard Zone X
- Area of Undetermined Flood Hazard Zone D
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

GENERAL STRUCTURES

- 18.2 Cross Sections with 1% Annual Chance Water Surface Elevation
- 17.5 Coastal Transect
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

OTHER FEATURES

- 513 Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary

NOTES TO USERS

For information and questions about this Flood Insurance Rate Map (FIRM), available products associated with this FIRM, including hardcopy versions, the current map deck for this FIRM panel, how to order products, or the National Flood Insurance Program (NFIP) in general, please call the FEMA Mapping and Insurance Exchange at 1-877-FEMA-MAP (1-877-336-6227) or visit the FEMA Flood Map Service Center website at <https://msc.fema.gov>. Available products may include previously issued Letters of Map Change, a Flood Insurance Study Report, and/or digital versions of this map. Many of these products can be ordered or obtained directly from the website.

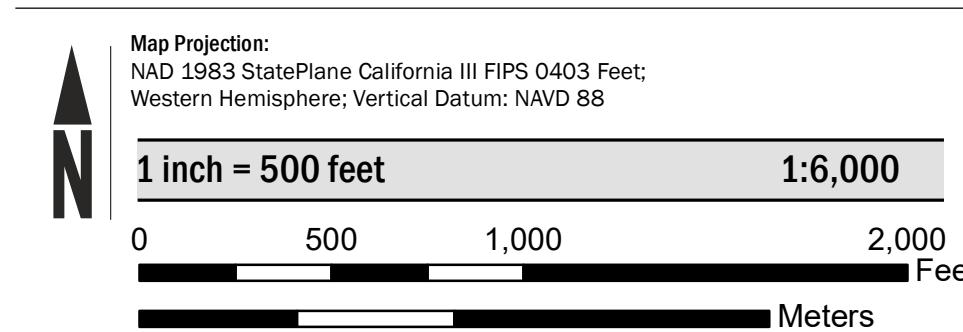
Communities annexing land on adjacent FIRM panels must obtain a current copy of the adjacent panel as well as the current FIRM Index. These may be ordered directly from the Flood Map Service Center at the number listed above.

For community and countywide map dates refer to the Flood Insurance Study Report for this jurisdiction.

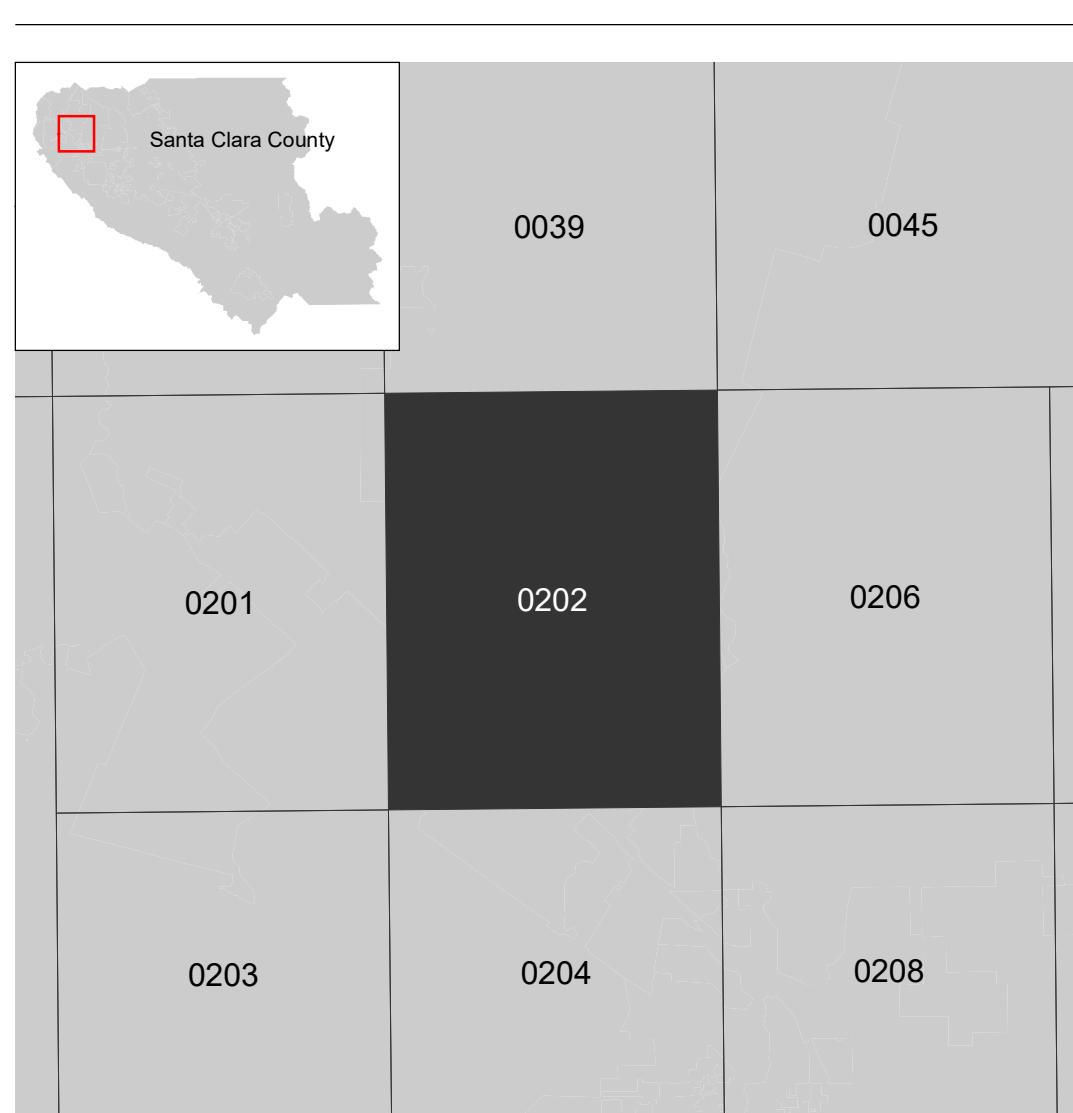
To determine if flood insurance is available in this community, contact your Insurance agent or call the National Flood Insurance Program at 1-800-638-6220.

Base map information shown on this FIRM was provided in digital format by the USDA National Agriculture Imagery Program (NAIP). This information was Photogrammetrically compiled at a scale of 1:24,000 from aerial photography dated 2005 or later.

SCALE



PANEL LOCATOR



NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP

SANTA CLARA COUNTY, CALIFORNIA
 and incorporated Areas

PANEL 202 OF 830



Panel Contains:

COMMUNITY	NUMBER	PANEL	SUFFIX
LOS ALTOS CITY OF	060341	0202	H
MOUNTAIN VIEW CITY OF	060347	0202	H
SANTA CLARA COUNTY	060337	0202	H
SUNNYVALE CITY OF	060352	0202	H

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 EFFECTIVE: September 5, 2024

VERSION NUMBER

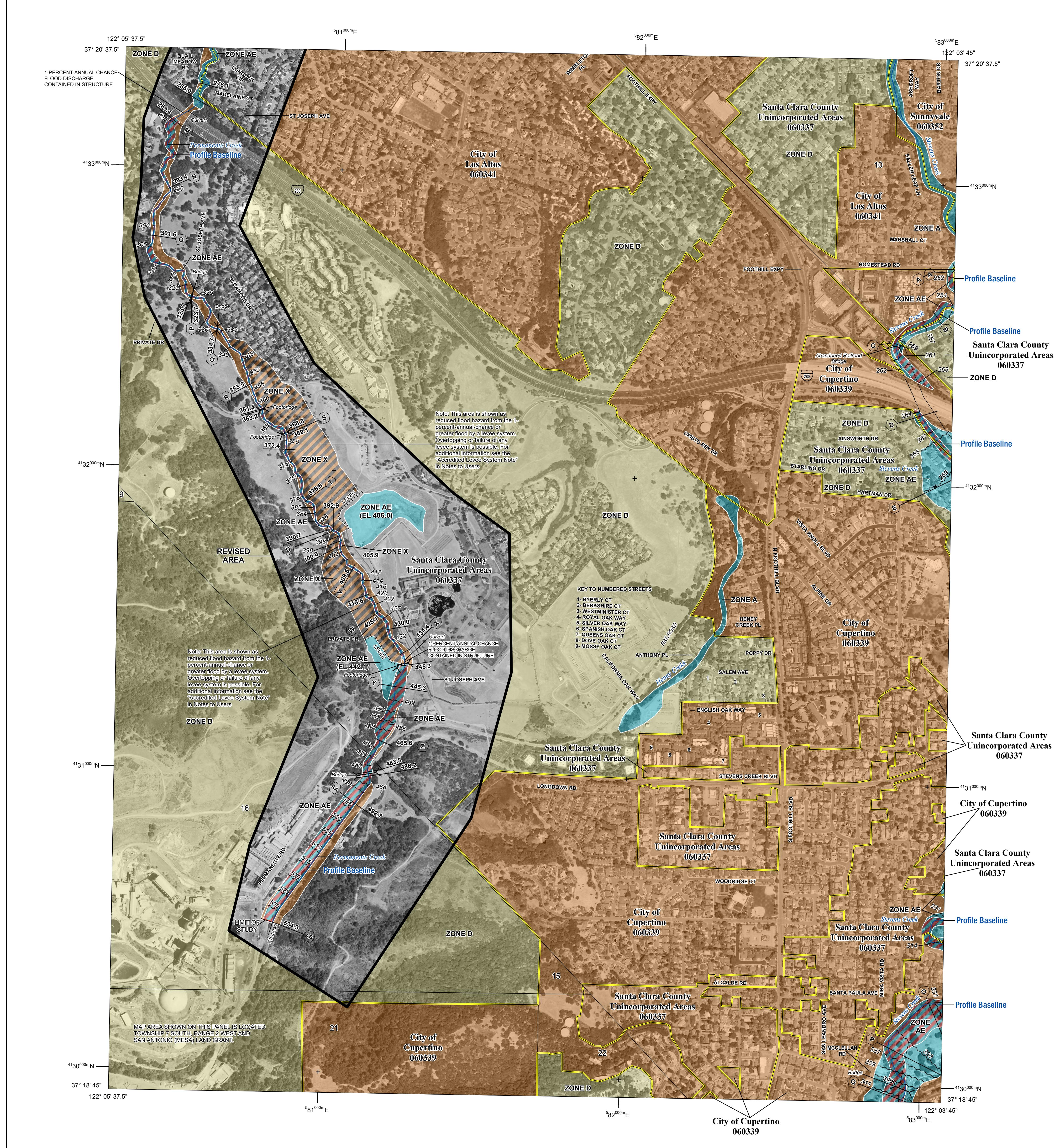
2.1.3.0

MAP NUMBER

06085C0202H

EFFECTIVE DATE

MAY 18, 2009



FLOOD HAZARD INFORMATION

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT
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SPECIAL FLOOD HAZARD AREAS

- Without Base Flood Elevation (BFE) Zone A, 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 with Flood Risk due to Levee Zone D

OTHER AREAS

- NO SCREEN Areas of Minimal Flood Hazard Zone X
- Area of Undetermined Flood Hazard Zone D
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

GENERAL STRUCTURES

- 18.2 Cross Sections with 1% Annual Chance Water Surface Elevation
- 17.5
- 8 Coastal Transect
- Profile Baseline
- Hydrographic Feature
- 513 Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary

NOTES TO USERS

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For community and countywide map dates refer to the Flood Insurance Study Report for this jurisdiction.

To determine if flood insurance is available in this community, contact your Insurance agent or call the National Flood Insurance Program at 1-800-638-6520.

Base map information shown on this FIRM was provided in digital format by the USDA National Agriculture Imagery Program (NAIP). This information was Photogrammetrically compiled at a scale of 1:24,000 from aerial photography dated 2006.

ACCREDITED LEVEE NOTES TO USERS: Check with your local community to obtain more information on the levee system(s) shown as providing flood hazard reduction on this panel. To mitigate flood hazards in residential risk areas, property owners and residents are encouraged to review the community's emergency preparedness plan and to consider flood insurance and floodproofing or other risk reduction measures. For more information on flood insurance, interested parties should visit the FEMA Website at <http://www.fema.gov/national-flood-insurance-program>.

SCALE

Map Projection: NAD 1983 StatePlane California III FIPS 0403 Feet; Western Hemisphere; Vertical Datum: NAVD 88

1 inch = 500 feet 1:6,000

0 500 1,000 2,000 Feet

0 125 250 500 Meters

PANEL LOCATOR

	0202	0206
0203	0204	0208
0211*	0212	0216



NATIONAL FLOOD INSURANCE PROGRAM
FLOOD INSURANCE RATE MAP

SANTA CLARA COUNTY, CALIFORNIA
 And Incorporated Areas

PANEL 204 OF 830



Panel Contains:

COMMUNITY	NUMBER	PANEL	SUFFIX
CUPERTINO, CITY OF	060339	0204	H
LOS ALTOS, CITY OF	060341	0204	H
SANTA CLARA COUNTY	060337	0204	H
SUNNYVALE, CITY OF	060352	0204	H

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MAY 18, 2009