



Federal Emergency Management Agency

Washington, D.C. 20472

January 4, 2017

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

The Honorable Ivy R. Taylor
Mayor, City of San Antonio
P. O. Box 839966
San Antonio, TX 78283

IN REPLY REFER TO:

Case No.: 16-06-1449P
Follows Conditional
Case No.: 12-06-1042R
Community Name: City of San Antonio, TX
Community No.: 480045
Effective Date of
This Revision: **May 18, 2017**

Dear Mayor Taylor:

The Flood Insurance Study Report and Flood Insurance Rate Map for your community have been revised by this Letter of Map Revision (LOMR). Please use the enclosed annotated map panel(s) revised by this LOMR for floodplain management purposes and for all flood insurance policies and renewals issued in your community.

Additional documents are enclosed that provide information regarding this LOMR. Please see the List of Enclosures below to determine which documents are included. Other enclosures specific to this request may be included as referenced in the Determination Document. If you have any questions regarding floodplain management regulations for your community or the National Flood Insurance Program (NFIP) in general, please contact the Consultation Coordination Officer for your community. If you have any technical questions regarding this LOMR, please contact the Director, Mitigation Division of the Department of Homeland Security's Federal Emergency Management Agency (FEMA) in Denton, Texas, at (940) 898-5127, or the FEMA Map Information eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP). Additional information about the NFIP is available on our website at <http://www.fema.gov/national-flood-insurance-program>.

Sincerely,

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

List of Enclosures:

Letter of Map Revision Determination Document
Annotated Flood Insurance Rate Map
Annotated Flood Insurance Study Report

cc: Mr. Jacob Powell, P.E., CFM
Floodplain Administrator
City of San Antonio

Mr. David Costales, P.E., CFM
Civil Engineering Consultants

Mr. David R. Wegmann, P.E.
Bexar County Flood Control

Follows Conditional Case No.: 12-06-1042R



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 San Antonio Bexar County Texas	BRIDGE	FLOODWAY HYDRAULIC ANALYSIS HYDROLOGIC ANALYSIS UPDATED TOPOGRAPHIC DATA
	COMMUNITY NO.: 480045		
IDENTIFIER	Roland Road SC-18	APPROXIMATE LATITUDE AND LONGITUDE: 29.390, -98.423 SOURCE: USGS QUADRANGLE DATUM: NAD 83	
ANNOTATED MAPPING ENCLOSURES		ANNOTATED STUDY ENCLOSURES	
TYPE: FIRM*	NO.: 48029C0420G DATE: September 29, 2010	DATE OF EFFECTIVE FLOOD INSURANCE STUDY: September 29, 2010	
TYPE: FIRM*	NO.: 48029C0585H DATE: September 29, 2010	PROFILES: 474P - 478P, 500P, 501P, 512P, and 517P SUMMARY OF DISCHARGES TABLE: 6E	

Enclosures reflect changes to flooding sources affected by this revision.

* FIRM - Flood Insurance Rate Map

FLOODING SOURCES AND REVISED REACHES

See Page 2 for Additional Flooding Sources

Salado Creek – from just upstream of Southeast Military Drive to approximately 5,470 feet upstream of Rigsby Avenue

SUMMARY OF REVISIONS

Flooding Source	Effective Flooding	Revised Flooding	Increases	Decreases
Salado Creek	Zone AE	Zone AE	YES	YES
	Zone X (shaded)	Zone X (shaded)	YES	YES
	BFEs*	BFEs	YES	YES
	Floodway	Floodway	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 Map Information eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 847 South Pickett Street, Alexandria, VA 22304-4605. Additional information about the NFIP is available on our website at <http://www.fema.gov/national-flood-insurance-program>.

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



Federal Emergency Management Agency
Washington, D.C. 20472

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

OTHER FLOODING SOURCES AFFECTED BY THIS REVISION

FLOODING SOURCES AND REVISED REACHES

Salado Creek Oxbow - from the confluence with Salado Creek to the divergence from Salado Creek
Tributary B to Salado Creek - from the confluence with Salado Creek to just downstream of Pecan Valley Drive
Tributary A to Salado Creek - from the confluence with Salado Creek to approximately 150 feet downstream of the Dam

SUMMARY OF REVISIONS

Flooding Source	Effective Flooding	Revised Flooding	Increases	Decreases
Salado Creek Oxbow	Zone AE	Zone AE	YES	YES
	Floodway	Floodway	YES	YES
	BFEs*	BFEs	YES	YES
	Zone X (shaded)	Zone X (shaded)	YES	YES
Tributary B to Salado Creek	Zone AE	Zone AE	NONE	YES
	Floodway	Floodway	NONE	YES
	BFEs	BFEs	NONE	YES
Tributary A to Salado Creek	Zone AE	Zone AE	YES	YES
	Floodway	Floodway	YES	YES

* BFEs - Base Flood Elevations

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, 847 South Pickett Street, Alexandria, VA 22304-4605. Additional information about the NFIP is available on our website at <http://www.fema.gov/national-flood-insurance-program>.

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Engineering Services Branch
Federal Insurance and Mitigation Administration



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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 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, 847 South Pickett Street, Alexandria, VA 22304-4605. Additional information about the NFIP is available on our website at <http://www.fema.gov/national-flood-insurance-program>.

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



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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. Sandy Keefe
Director, Mitigation Division
Federal Emergency Management Agency, Region VI
Federal Regional Center, Room 206
800 North Loop 288
Denton, TX 76209
(940) 898-5127

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.

For all streams studied in detail in the City of San Antonio, the floodway boundaries are coincident with the base (1-percent-annual-chance) floodplain boundary delineations, and floodways are not shown within the City of San Antonio. Therefore, the regulatory floodway is not shown on the enclosed annotated FIRM for Salado Creek, Salado Creek Oxbow, Tributary B to Salado Creek, and Tributary A to Salado Creek.

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, 847 South Pickett Street, Alexandria, VA 22304-4605. Additional information about the NFIP is available on our website at <http://www.fema.gov/national-flood-insurance-program>.

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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: *San Antonio Express-News*

Dates: January 11, 2017 and January 18, 2017

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, 847 South Pickett Street, Alexandria, VA 22304-4605. Additional information about the NFIP is available on our website at <http://www.fema.gov/national-flood-insurance-program>.

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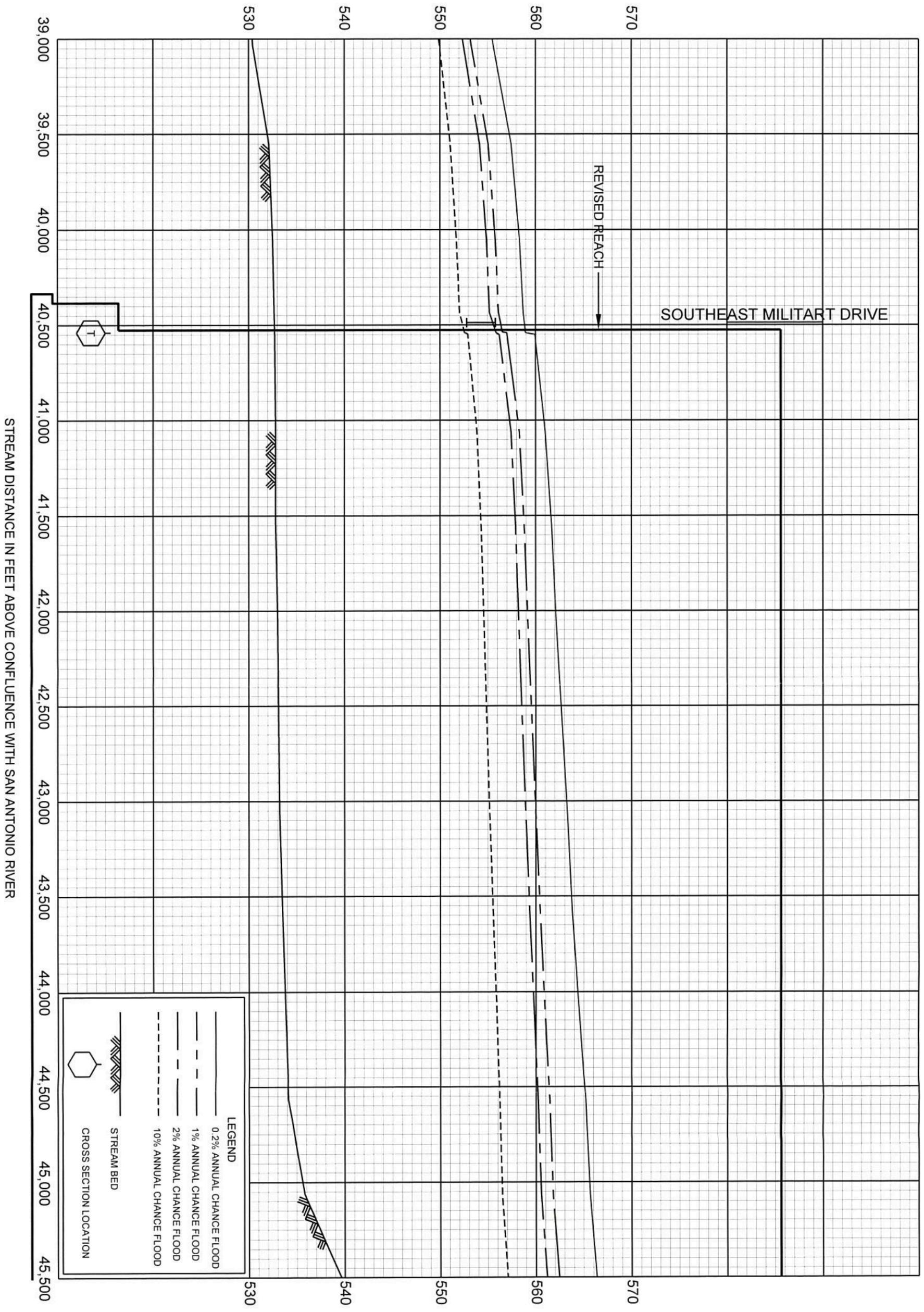
Patrick "Rick" F. Sacbbit, P.E., Branch Chief
Engineering Services Branch
Federal Insurance and Mitigation Administration

Table 6E – Summary of Discharges – Salado Creek Watershed (continued)

<u>Flooding Source and Location</u>	<u>Drainage Area (square miles)</u>	<u>Peak Discharges (cubic feet per second)</u>			
		<u>10-Percent-Annual-Chance</u>	<u>2-Percent-Annual-Chance</u>	<u>1-Percent-Annual-Chance</u>	<u>0.2-Percent-Annual-Chance</u>
ROSILLO CREEK					
<i>(continued)</i>					
Approximately 1,000 feet upstream of Interstate Highway 10	10.16	8,112	12,909	15,128	22,408
Upstream of Mid Crown Road	1.2	1,552	2,369	2,746	4,040
SALADO CREEK					
Confluence with San Antonio River	223.43	15,053	24,953	29,612	46,359
Approximately 350 feet upstream of Old Corpus Christi	190.57	14,014	23,281	27,531	43,114
Just downstream of confluence of Salado Creek Oxbow	187.10	15,886	26,586	31,735	51,981
Approximately 870 feet downstream of Rigsby	178.56	9,304	15,308	18,905	31,104
Approximately 2500 feet upstream of Rigsby	176.36	17,996	30,909	37,152	57,205
Upstream of confluence with Beitel Creek	140.48	10,296	17,726	21,120	36,985
Upstream of Confluence with Tributary E to Salado Creek	128.83	7,920	14,376	17,379	34,748
Upstream of Confluence with Lorence Creek	66.75	7,264	13,802	16,820	28,101
Upstream of Confluence with Panther Spring Creek	35.23	8,248	15,758	19,185	30,678
Upstream of N Loop 1604 W	28.9	7,542	14,097	16,957	26,089
SALADO CREEK OXBOW	-- ¹	8,060	13,942	16,850	25,550
TIMBERLINE DRIVE DRAINAGE CHANNEL (DOWNSTREAM OF RECREATION DAM)					
Approximately 1,120 feet upstream of Deer Cross Lane	-- ¹	-- ¹	-- ¹	1,967	-- ¹
Approximately 1,845 feet upstream of Deer Cross Lane	-- ¹	-- ¹	-- ¹	1,691	-- ¹
Approximately 3,550 feet upstream of Deer Cross Lane	-- ¹	-- ¹	-- ¹	1,501	-- ¹
TIMBERLINE DRIVE DRAINAGE CHANNEL (UPSTREAM OF RECREATION DAM)					
Approximately 200 feet upstream of Harmony Hills	-- ¹	-- ¹	-- ¹	76	-- ¹
TRIBUTARY A TO PANTHER SPRINGS CREEK					
Approximately 4600 feet upstream of Panther Springs Creek	2.81	4,618	6,939	8,102	11,314

REVISE DATA

ELEVATION IN FEET (NAVD)



LEGEND

- 0.2% ANNUAL CHANCE FLOOD
- 1% ANNUAL CHANCE FLOOD
- 2% ANNUAL CHANCE FLOOD
- 10% ANNUAL CHANCE FLOOD
- STREAM BED
- CROSS SECTION LOCATION

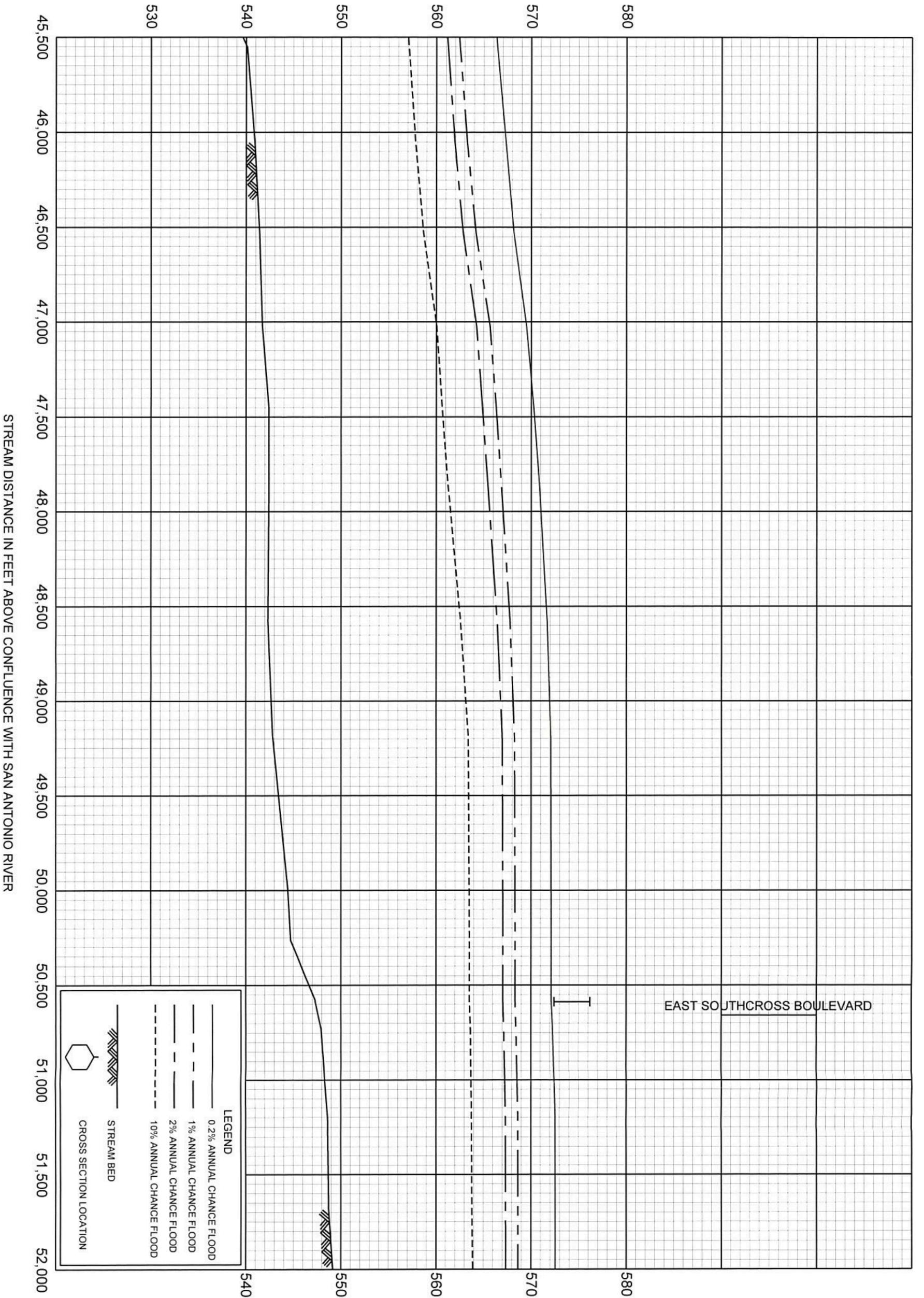
STREAM DISTANCE IN FEET ABOVE CONFLUENCE WITH SAN ANTONIO RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY
BEXAR COUNTY, TX
AND INCORPORATED AREAS

FLOOD PROFILES
REVISED TO
REFLECT LOMR
EFFECTIVE: May 18, 2017
SALADO CREEK

474P

ELEVATION IN FEET (NAVD)



FEDERAL EMERGENCY MANAGEMENT AGENCY

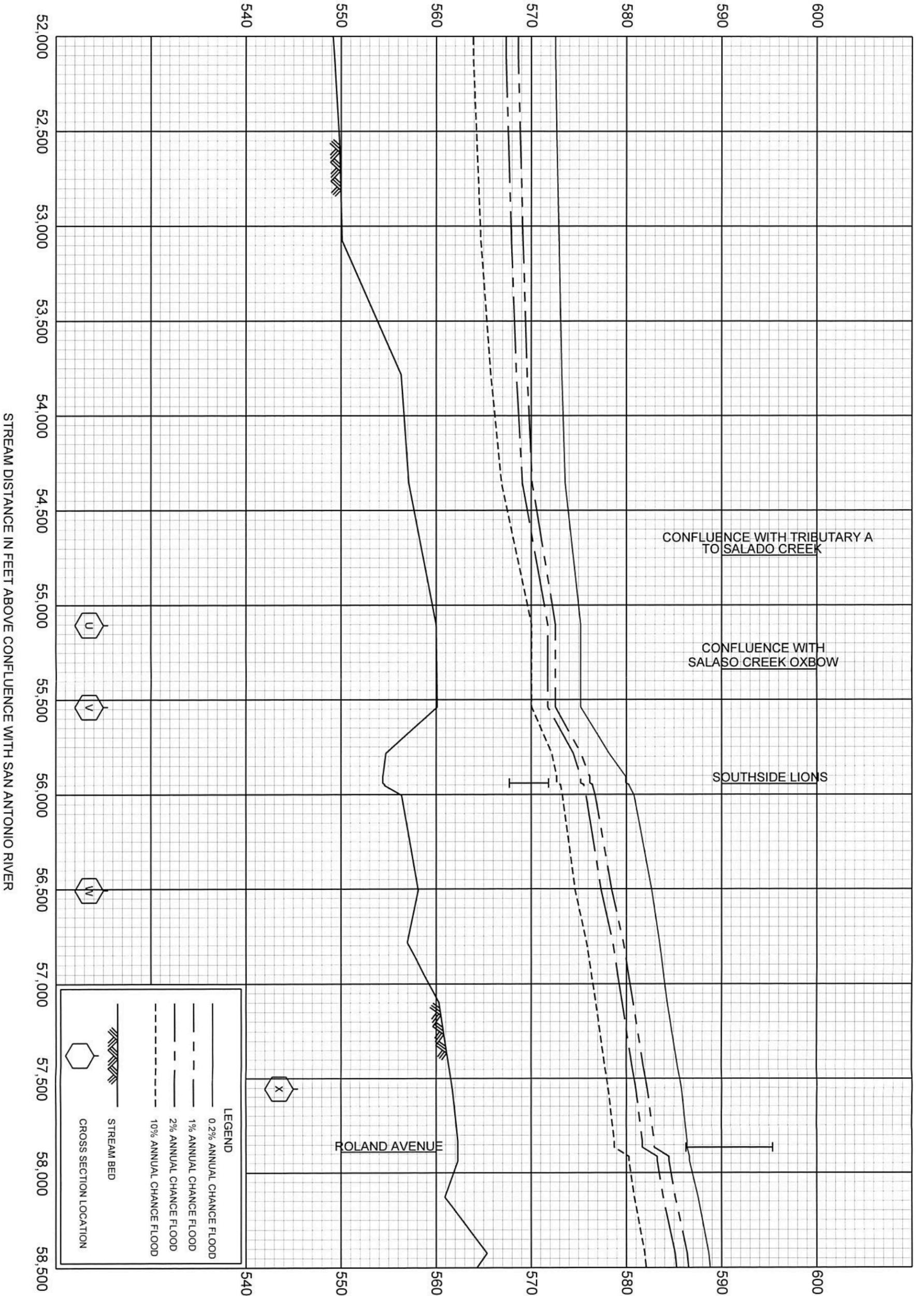
BEXAR COUNTY, TX
AND INCORPORATED AREAS

FLOOD PROFILES

REVISED TO
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EFFECTIVE: May 18, 2017

SALADO CREEK

ELEVATION IN FEET (NAVD)



LEGEND

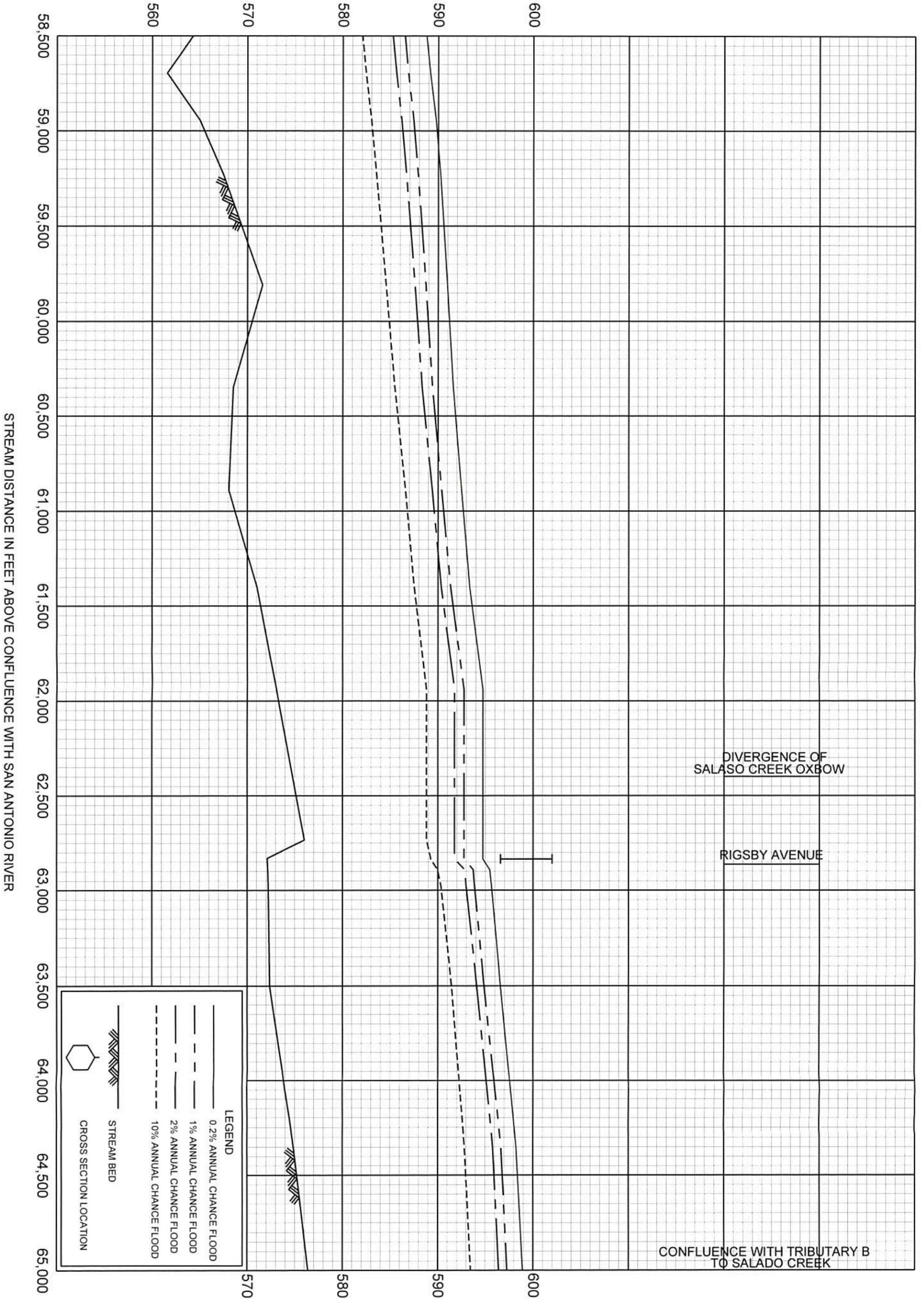
- 0.2% ANNUAL CHANCE FLOOD
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- STREAM BED
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FEDERAL EMERGENCY MANAGEMENT AGENCY
BEXAR COUNTY, TX
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FLOOD PROFILES

SALADO CREEK
REVISED TO REFLECT LOMR
EFFECTIVE: May 18, 2017

ELEVATION IN FEET (NAVD)



FEDERAL EMERGENCY MANAGEMENT AGENCY

BEXAR COUNTY, TX
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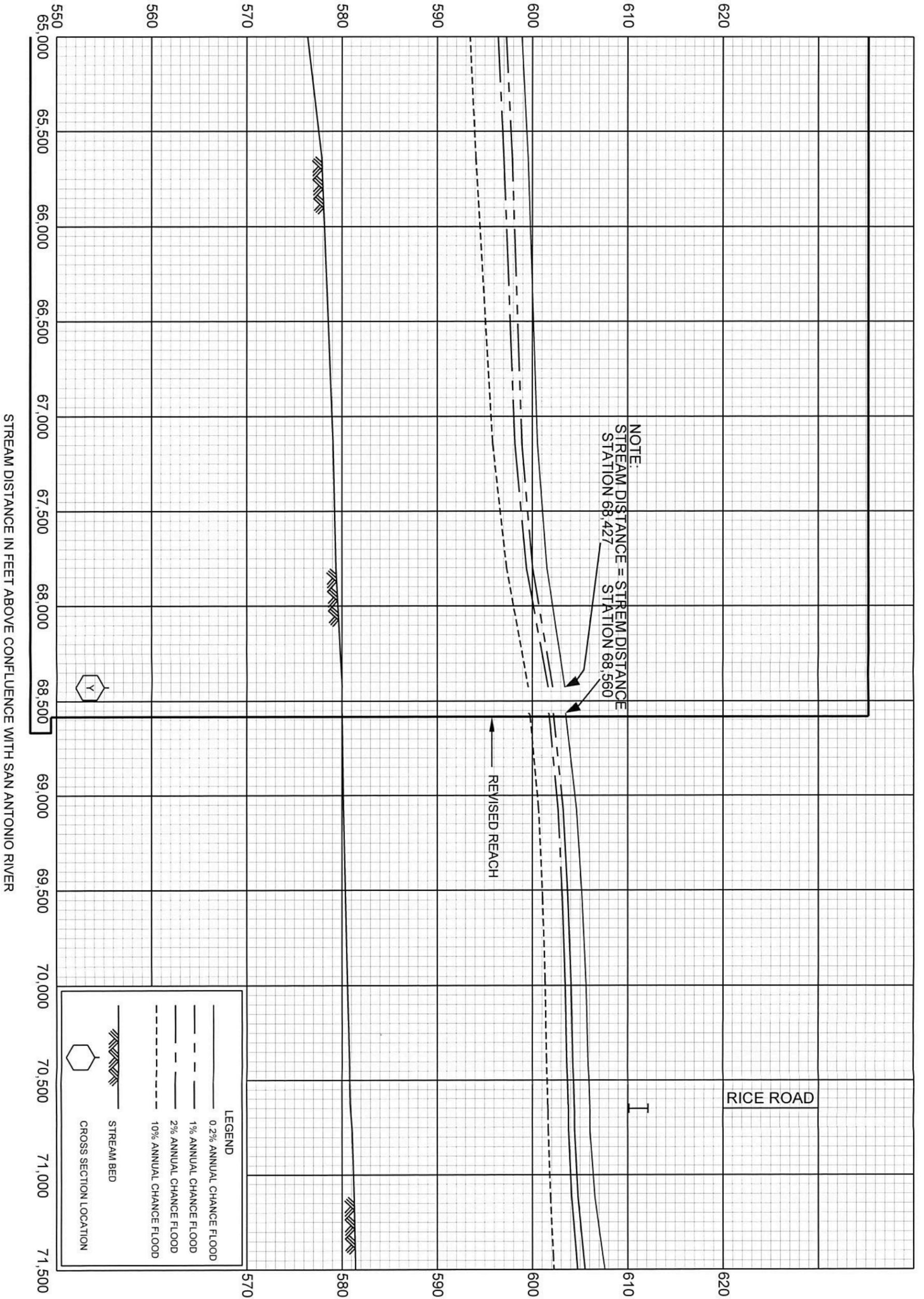
FLOOD PROFILES

REVISED TO
REFLECT LOMR
EFFECTIVE: May 18, 2017

SALASO CREEK

477P

ELEVATION IN FEET (NAVD)



FEDERAL EMERGENCY MANAGEMENT AGENCY

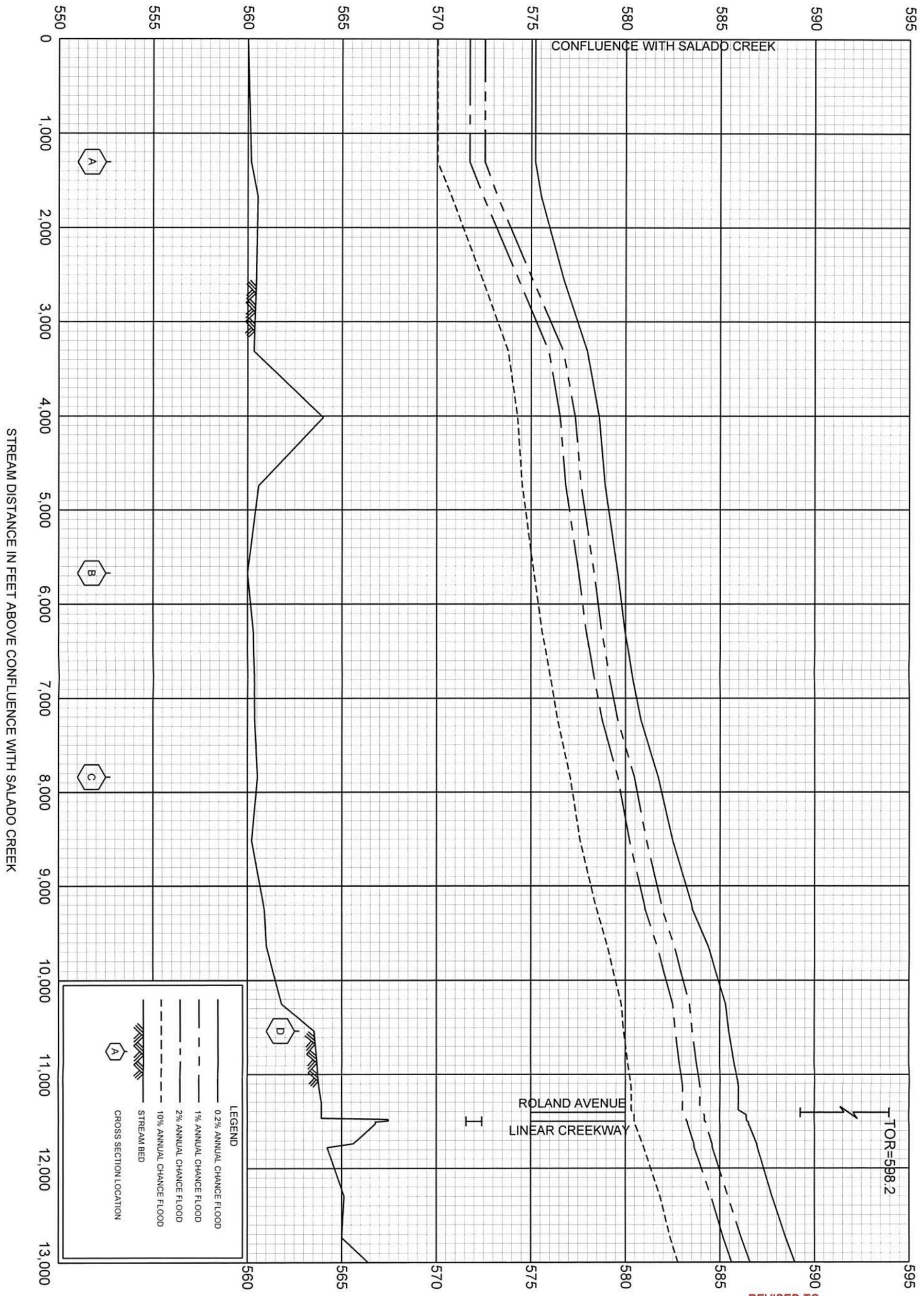
BEXAR COUNTY, TX
AND INCORPORATED AREAS

FLOOD PROFILES

REVISED TO
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EFFECTIVE: May 18, 2017

SALADO CREEK

ELEVATION IN FEET (NAVD)



LEGEND

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- - - 10% ANNUAL CHANCE FLOOD
- STREAM BED
- CROSS SECTION LOCATION

REVISED TO REFLECT LOMR EFFECTIVE: May 18, 2017

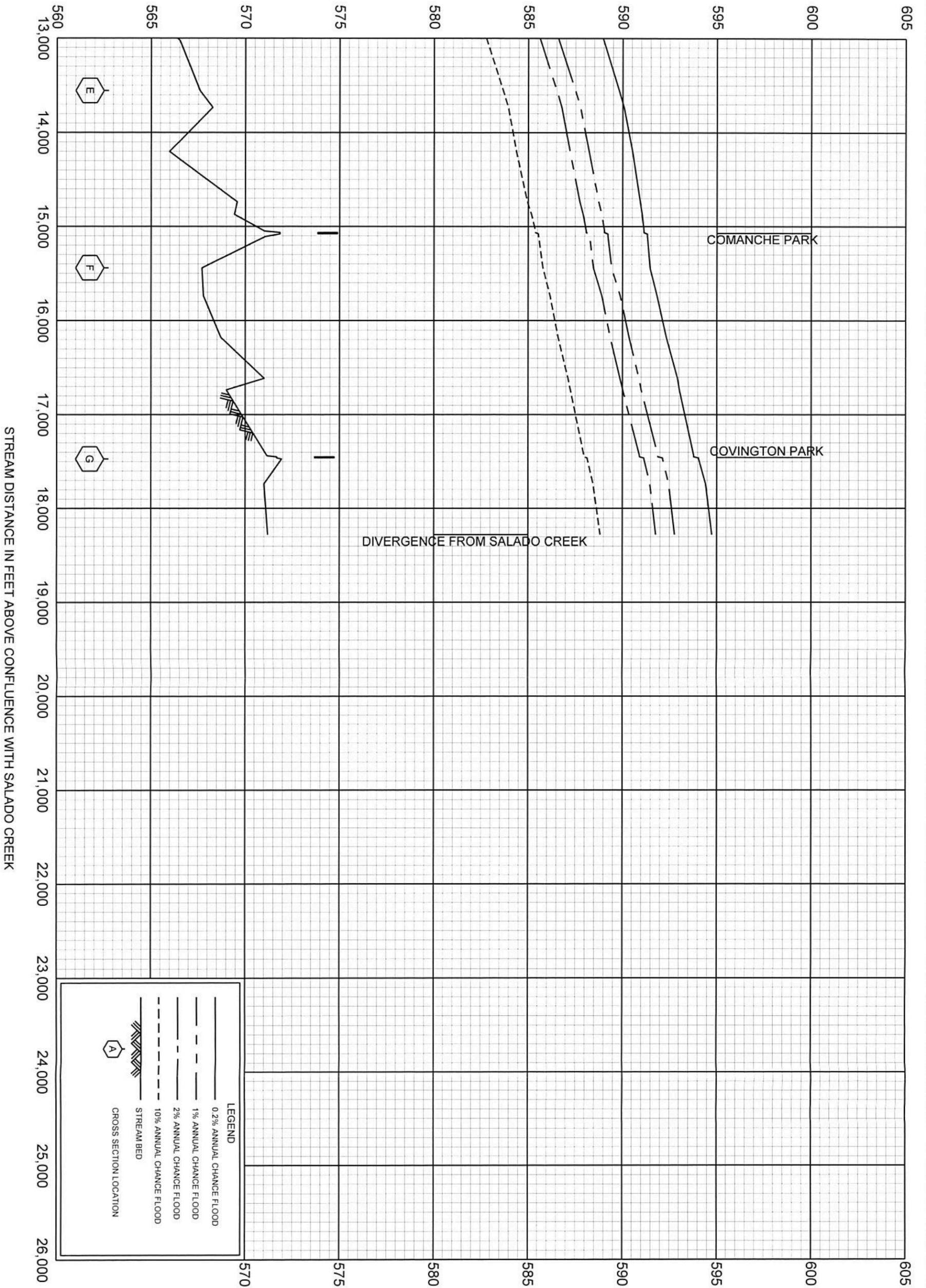
FLOOD PROFILES

SALADO CREEK OXBOW

FEDERAL EMERGENCY MANAGEMENT AGENCY
BEXAR COUNTY, TX
 AND INCORPORATED AREAS

500P

ELEVATION IN FEET (NAVD)



REVISED TO
REFLECT LOMR
EFFECTIVE: May 18, 2017

FLOOD PROFILES

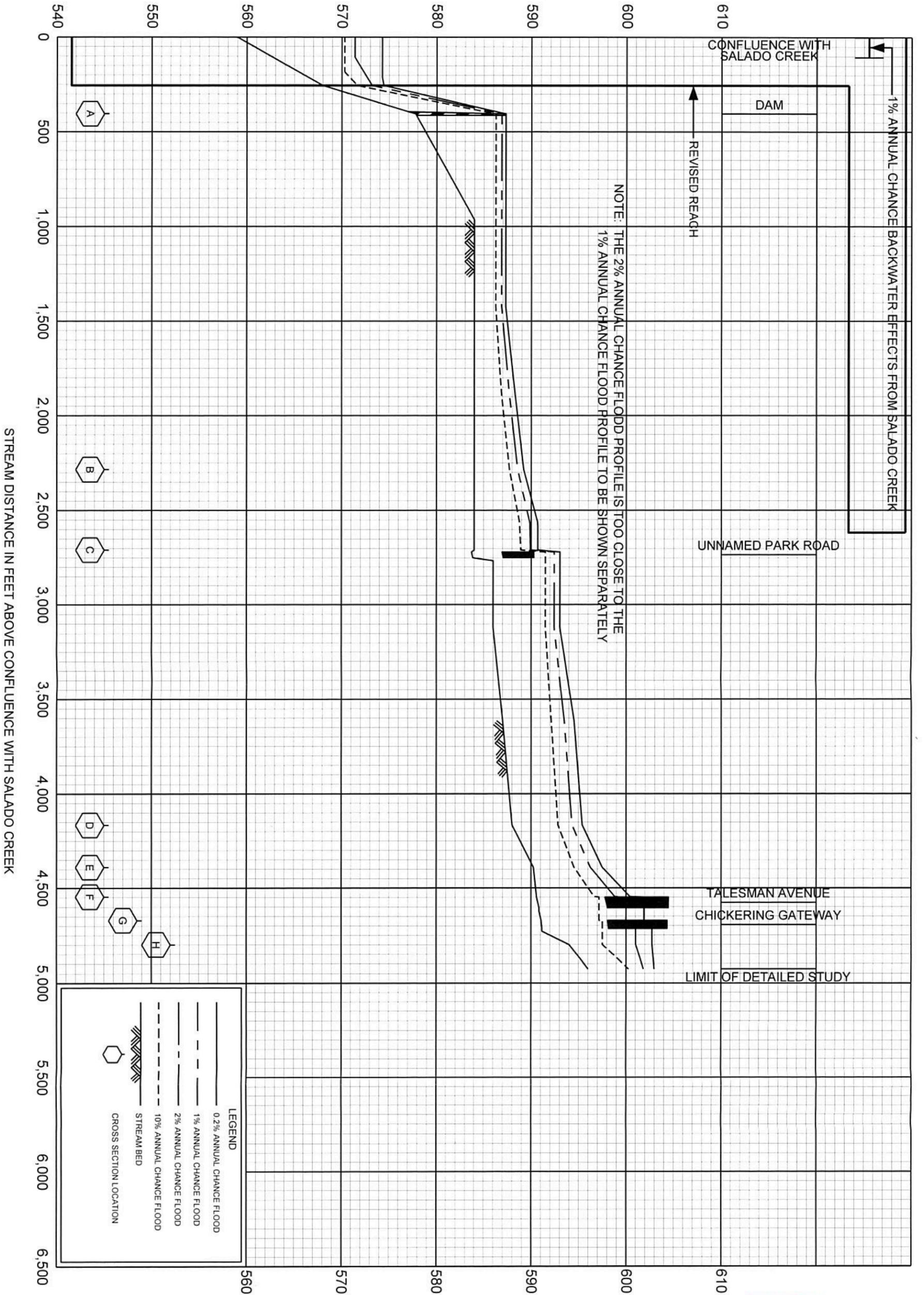
SALADO CREEK OXBOW

FEDERAL EMERGENCY MANAGEMENT AGENCY

BEXAR COUNTY, TX
AND INCORPORATED AREAS

501P

ELEVATION IN FEET (NAVD)



REVISED TO REFLECT LOMR EFFECTIVE: May 18, 2017

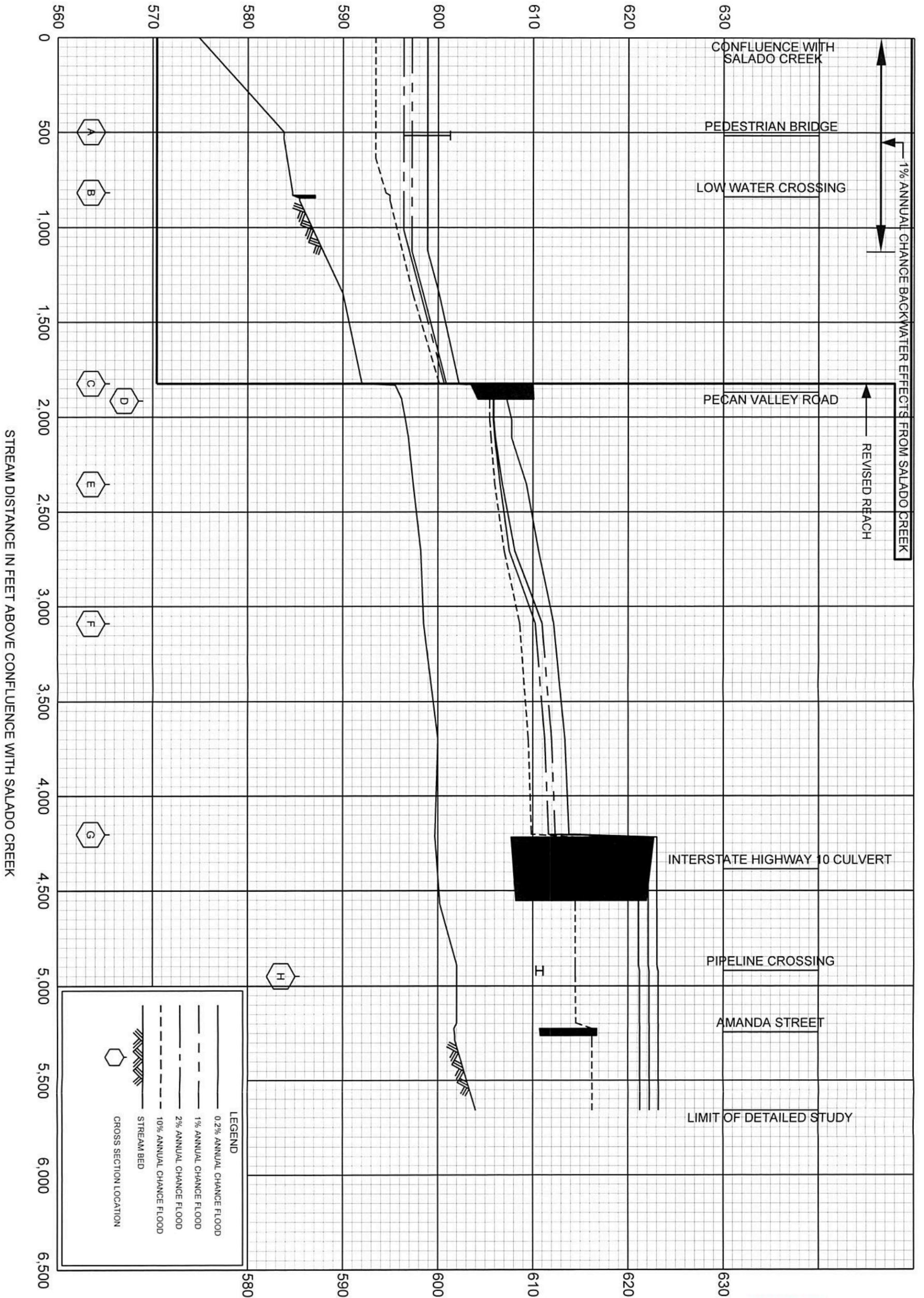
FLOOD PROFILES

TRIBUTARY A TO SALADO CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY
BEXAR COUNTY, TX
 AND INCORPORATED AREAS

512P

ELEVATION IN FEET (NAVD)



LEGEND

- 0.2% ANNUAL CHANGE FLOOD
- 1% ANNUAL CHANGE FLOOD
- 2% ANNUAL CHANGE FLOOD
- 10% ANNUAL CHANGE FLOOD
- STREAM BED
- CROSS SECTION LOCATION

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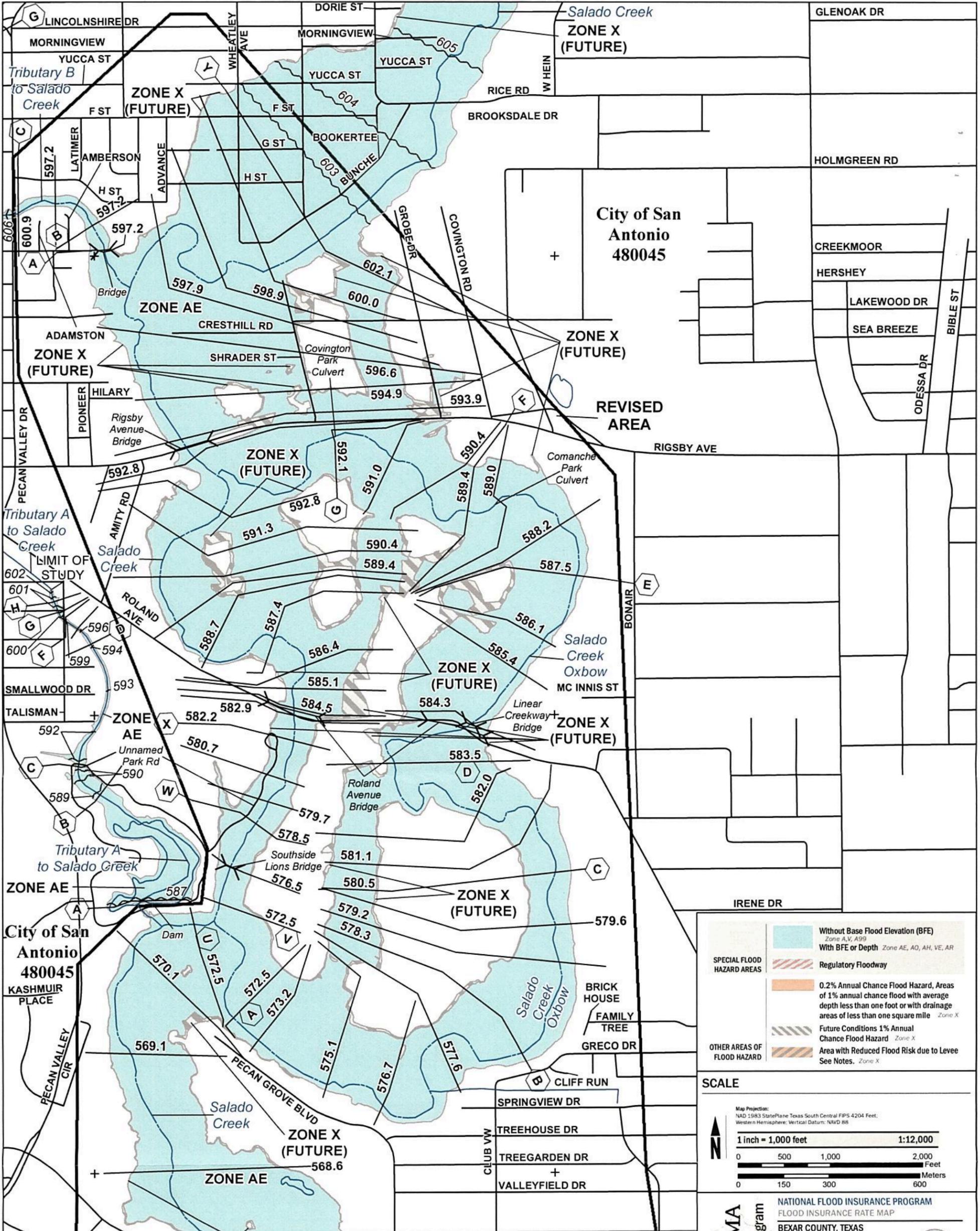
FEDERAL EMERGENCY MANAGEMENT AGENCY

BEXAR COUNTY, TX
AND INCORPORATED AREAS

FLOOD PROFILES

TRIBUTARY B TO SALADO CREEK

517P



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
- 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

OTHER AREAS OF FLOOD HAZARD

SCALE

Map Projection:
 NAD 1983 StatePlane Texas South Central FIPS 4204 Feet.
 Western Hemisphere; Vertical Datum: NAVD 88

1 inch = 1,000 feet 1:12,000

0 500 1,000 2,000 Feet
 0 150 300 600 Meters

FEMA NATIONAL FLOOD INSURANCE PROGRAM
 FLOOD INSURANCE RATE MAP
 BEXAR COUNTY, TEXAS
 And Incorporated Areas

PANEL 420 OF 785

Panel Contains:
 COMMUNITY NUMBER PANEL SUFFIX
 BEXAR COUNTY 480035 0420 G
 SAN ANTONIO, CITY OF 480045 0420 G

REVISED TO REFLECT LOMR EFFECTIVE: May 18, 2017

VERSION NUMBER 1.1.1.0
 MAP NUMBER 48029C0420G
 MAP REVISED SEPTEMBER 29, 2010

FERRINGTON

JOINS PANEL 0585

56°00'00"E 57°00'00"E

