



Federal Emergency Management Agency

Washington, D.C. 20472

January 19, 2017

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

The Honorable Jonathan Rothschild
Mayor, City of Tucson
255 West Alameda Street, 10th Floor
Tucson, AZ 85701

IN REPLY REFER TO:

Case No.: 16-09-1226P
Community Name: City of Tucson, AZ
Community No.: 040076
Effective Date of
This Revision: **June 2, 2017**

Dear Mayor Rothschild:

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 which provide information regarding this LOMR. Please see the List of Enclosures below to determine which documents are included. Other attachments 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 Oakland, California, at (510) 627-7175, 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/business/nfip>.

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: The Honorable Sharon Bronson
Chair, Board of Supervisors
Pima County

Mr. Frederick Felix, P.E.
Engineering Administrator
Department of Transportation
City of Tucson

Ms. Suzanne Shields, P.E.
Director
Pima County Regional Flood Control District

Mr. Terry Hendricks
Chief Hydrologist
Pima County Regional Flood Control District

Ms. Janice Hughes, P.E.
Civil Engineer
Pima County Regional Flood Control District

Mr. Jiankang Wang, P.E.
Project Engineer
CMG Drainage Engineering, Inc.



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CERTIFIED MAIL
RETURN RECEIPT REQUESTED

The Honorable Sharon Bronson
Chair, Board of Supervisors
Pima County
130 West Congress Street, 11th Floor
Tucson, AZ 85701

IN REPLY REFER TO:

Case No.: 16-09-1226P
Community Name: Pima County, AZ
Community No.: 040073
Effective Date of
This Revision: **June 2, 2017**

Dear Ms. Bronson:

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 which provide information regarding this LOMR. Please see the List of Enclosures below to determine which documents are included. Other attachments 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 Oakland, California, at (510) 627-7175, 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/business/nfip>.

Sincerely,

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LETTER OF MAP REVISION DETERMINATION DOCUMENT

COMMUNITY AND REVISION INFORMATION		PROJECT DESCRIPTION	BASIS OF REQUEST
COMMUNITY	Pima County Arizona (Unincorporated Areas)	BRIDGE CHANNELIZATION CULVERT	FLOODWAY HYDRAULIC ANALYSIS HYDROLOGIC ANALYSIS UPDATED TOPOGRAPHIC DATA
	COMMUNITY NO.: 040073		
IDENTIFIER	Airport Wash LOMR	APPROXIMATE LATITUDE & LONGITUDE: 32.146, -110.977 SOURCE: USGS QUADRANGLE DATUM: NAD 83	
ANNOTATED MAPPING ENCLOSURES		ANNOTATED STUDY ENCLOSURES	
TYPE: FIRM*	NO.: 04019C2289L DATE: June 16, 2011	DATE OF EFFECTIVE FLOOD INSURANCE STUDY: September 28, 2012	
TYPE: FIRM*	NO.: 04019C2293L DATE: June 16, 2011	PROFILE(S): 08P-10P	
TYPE: FIRM*	NO.: 04019C2880L DATE: June 16, 2011	NEW PROFILE(S): 287P-288P	
TYPE: FIRM*	NO.: 04019C2900L DATE: June 16, 2011	FLOODWAY DATA TABLE: TABLE 8	
		SUMMARY OF DISCHARGES TABLE: TABLE 6	

Enclosures reflect changes to flooding sources affected by this revision.

* FIRM - Flood Insurance Rate Map

FLOODING SOURCE(S) & REVISED REACH(ES)

See Page 2 for Additional Flooding Sources

Airport Wash – From the confluence with Santa Clara River to the confluence of North Fork Airport Wash and South Fork Airport Wash

SUMMARY OF REVISIONS

Flooding Source	Effective Flooding	Revised Flooding	Increases	Decreases
Airport Wash	Zone A	Zone A	YES	YES
	Zone X (shaded)	Zone X (shaded)	YES	YES
	BFES*	BFES	YES	YES
	Floodway	Floodway	YES	YES
	Zone AE	Zone AE	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/nfip>.

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 SOURCE(S) & REVISED REACH(ES)

Nebraska Wash - From the confluence with Airport Wash to approximately 260 feet upstream of Interstate Highway 19
 South Fork Airport Wash - From the confluence with Airport Wash to approximately 6,070 feet upstream of S. Swan Road
 South Fork Airport Wash Tributary 1 - From the confluence with South Fork Airport Wash to approximately 300 feet upstream of S. Swan Road
 South Fork Airport Wash Tributary 2 - From the confluence with South Fork Airport Wash to approximately 440 feet upstream of S. Swan Road
 North Fork Airport Wash - From the confluence with Airport Wash to approximately 2,950 feet upstream of S. Swan Road
 North Fork Airport Wash Tributary 1 - From the confluence with North Fork Airport Wash to approximately 4,210 feet upstream of S. Alverton Way
 North Fork Airport Wash Tributary 2 - From the confluence with North Fork Airport Wash to approximately 690 feet upstream of S. Swan Road
 Airport Wash Overflow - From the confluence with Nebraska Wash to the divergence from Airport Wash

SUMMARY OF REVISIONS

Flooding Source	Effective Flooding	Revised Flooding	Increases	Decreases
Nebraska Wash	No BFEs*	BFEs	YES	NONE
	Zone X (shaded)	Zone X (shaded)	YES	YES
	Zone X (unshaded)	Zone AE	YES	NONE
	Zone X (shaded)	Zone AE	YES	NONE
South Fork Airport Wash	Zone A	Zone A	YES	YES
South Fork Airport Wash Tributary 1	Zone A	Zone A	YES	YES
South Fork Airport Wash Tributary 2	Zone A	Zone A	YES	YES
North Fork Airport Wash	Zone A	Zone A	YES	YES
North Fork Airport Wash Tributary 1	Zone A	Zone A	YES	YES
North Fork Airport Wash Tributary 2	Zone A	Zone A	YES	YES
Airport Wash Overflow	No BFEs*	BFEs	YES	NONE
	Zone X (shaded)	Zone X (shaded)	YES	YES
	Zone X (unshaded)	Zone AE	YES	NONE

* 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/nfip>.

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Engineering Services Branch
Federal Insurance and Mitigation Administration



Federal Emergency Management Agency
Washington, D.C. 20472

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

OTHER COMMUNITIES AFFECTED BY THIS REVISION

CID Number: 040076 **Name:** City of Tucson, Arizona

AFFECTED MAP PANELS

TYPE: FIRM*	NO.: 04019C2286L	DATE: June 16, 2011
TYPE: FIRM*	NO.: 04019C2288L	DATE: June 16, 2011
TYPE: FIRM*	NO.: 04019C2289L	DATE: June 16, 2011
TYPE: FIRM*	NO.: 04019C2293L	DATE: June 16, 2011
TYPE: FIRM*	NO.: 04019C2880L	DATE: June 16, 2011
TYPE: FIRM*	NO.: 04019C2900L	DATE: June 16, 2011

AFFECTED PORTIONS OF THE FLOOD INSURANCE STUDY REPORT

DATE OF EFFECTIVE FLOOD INSURANCE STUDY: September 28, 2012
 PROFILE(S): 08P-10P
 NEW PROFILE (S): 287P-288P
 FLOODWAY DATA TABLE: TABLE 8
 SUMMARY OF DISCHARGES TABLE: TABLE 6

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/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 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/nfip>.

A handwritten signature in black ink, appearing to read "Rick F. Sacbbit".

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)**

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:

Mr. Jeffrey D. Lusk
Director, Mitigation Division
Federal Emergency Management Agency, Region IX
1111 Broadway, Suite 1200
Oakland, CA 94607-4052
(510) 627-7175

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

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Engineering Services Branch
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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/Scripts/bfe_main.asp.

LOCAL NEWSPAPER

Name: *Arizona Daily Star*

Dates: January 26, 2017 and February 2, 2017

Within 90 days of the second publication in the local newspaper, a citizen 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 information 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/nfip>.

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

TABLE 6- SUMMARY OF DISCHARGES

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq. miles)	PEAK DISCHARGES (cfs)			
		10-PERCENT	2-PERCENT	1-PERCENT	0.2-PERCENT
"A" WASH					
At confluence with Anklam Wash	0.05	*	*	240	*
At Speedway Boulevard	0.1	*	*	330	*
AGUA CALIENTE WASH¹					
Upstream of confluence with Tanque Verde Creek	40.4	*	6,040	7,180	9,555
Downstream of the divergence of Agua Caliente Spur Flow	*	*	7,930	10,540	18,925
Downstream of confluence with Soldier Canyon Creek	*	*	9,200	13,000	26,000
Upstream of confluence with Soldier Canyon Creek	28.6	3,400	8,400	12,000	24,000
AGUA CALIENTE SPLIT FLOW					
At divergence from Agua Caliente Wash	*	*	1,890	3,360	7,080
At confluence with Tanque Verde Creek	*	*	3,160	5,820	16,445
AGUA CALIENTE SPUR FLOW					
At confluence with Agua Caliente Split Flow	*	*	1,270	2,460	7,075
AIRPORT WASH					
At confluence with Santa Cruz River	22.90	2,234	3,567	4,267	6,160
AIRPORT WASH OVERFLOW					
Upstream of Interstate Highway 19	22.28	*	*	119	515
AJO WASH					
REVISED DATA					
At confluence with Tanque Verde Creek	1.91	*	*	3,465	*
ALAMO WASH					
At Grant Road	5.6	*	*	5,000	*
At Wilnot Road	2.9	*	*	3,700	*
At Golf Links Road	0.9	*	*	1,800	*
ALVERNON WASH					
At confluence with Rillito River	3.3	*	*	5,310	*
Downstream of Fort Lowell Road	2.97	*	*	3,741	*
Upstream of confluence with Columbus Wash	1.4	*	*	2,225	*
At Grant Road	1.0	*	*	2,260	*

*Data not available

¹Flow reduced due to divergences to Split Flow and Spur Flow reaches

REVISED TO REFLECT LOMR EFFECTIVE: June 2, 2017

TABLE 6- SUMMARY OF DISCHARGES - continued

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq. miles)	PEAK DISCHARGES (cfs)			
		10-PERCENT	2-PERCENT	1-PERCENT	0.2-PERCENT
JULIAN WASH Approximately 950 feet upstream of Campbell Avenue Just downstream of Wilnot Road	24.9 16.5	*	*	3,360 2,270	*
KENNISON WASH At Escalante Road At Irvington Road	4.43 2.29	*	*	2,720 1,575	*
LOS ROBLES WASH Downstream of confluence with Blanco Wash At Trico Road	1,340.0 1,175.0	14,500 14,000	30,000 28,000	37,000 35,000	74,000 70,000
MASSINGALE WASH At Massingale Road and Union Pacific Railroad	2.51	*	*	1,178	*
MIDWAY WASH At Speedway Boulevard	0.9	*	*	1,769	*
NAVAJO WASH At Oracle Road At Mountain Avenue	3.4 3.0	*	*	2,104 ¹ 3,081	*
NAYLOR WASH At Reid Park At Belvedere Avenue	1.4 0.8	*	*	1,806 1,150	*
NEBRASKA WASH At confluence with Airport Wash	0.50	*	*	660 ²	949 ³
REVISED DATA					
OLD WEST BRANCH SANTA CRUZ RIVER At confluence with Ajo Wash At confluence with Enchanted Hills Wash At confluence with San Juan Wash	35.5 35.5 35.5	*	*	1,657 3,614 5,722	*
OLD WEST BRANCH SANTA CRUZ RIVER – continued At confluence with Cholla Wash At confluence with Santa Cruz River	35.5 23.6	*	*	6,220 6,621	*

¹Flow reduced due to the existence of storm sewers that intercept a portion of the runoff

²Flow includes 119 cfs breakout from Airport Wash plus discharge from Nebraska Wash

³Flow includes 515 cfs breakout from Airport Wash plus discharge from Nebraska Wash

*Data not available

REVISED DATA

REFLECT LOMR

EFFECTIVE: June 2, 2017

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)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Airport Wash								
A	396	103	668	6.4	2,424.1	2416.9 ²	2416.9 ²	0.0
B	913	54	311	13.7	2,424.1	2417.8 ²	2417.8 ²	0.0
C	1,833	59	323	13.2	2,428.8	2,428.8	2,428.8	0.0
D	2,049	71	485	7.9	2,432.5	2,432.5	2,432.5	0.0
E	2,493	100	549	7.0	2,451.3	2,451.3	2,451.3	0.0
F	2,773	137	819	4.8	2,452.5	2,452.5	2,452.5	0.0
G	3,595	108	539	7.3	2,453.8	2,453.8	2,453.8	0.0
H	4,267	85	471	8.4	2,455.9	2,455.9	2,455.9	0.0
I	5,243	119	479	8.3	2,467.7	2,467.7	2,467.7	0.0
J	5,706	104	419	9.4	2,469.6	2,469.6	2,469.6	0.0
K	6,206	103	368	10.7	2,474.0	2,474.0	2,474.0	0.0
L	7,647	86	504	7.9	2,484.1	2,484.1	2,484.1	0.0
M	8,540	68	348	11.4	2,487.5	2,487.5	2,487.5	0.0
N	9,446	61	430	9.2	2,493.3	2,493.3	2,493.3	0.0
O	10,039	54	354	11.2	2,494.9	2,494.9	2,494.9	0.0
P	10,899	96	469	8.4	2,504.3	2,504.3	2,504.3	0.0
Q	12,028	67	357	12.4	2,512.9	2,512.9	2,512.9	0.0
R	12,433	137	410	9.7	2,517.8	2,517.8	2,517.8	0.0
S	14,045	168	598	7.6	2,527.6	2,527.6	2,527.6	0.0
T	15,014	126	695	5.7	2,533.8	2,533.8	2,533.8	0.0
U	15,684	82	443	8.9	2,535.5	2,535.5	2,535.5	0.0
V	16,661	92	406	9.9	2,546.2	2,546.2	2,546.2	0.0
W	17,573	88	377	10.7	2,547.9	2,547.9	2,547.9	0.0
X	18,535	88	388	10.4	2,552.5	2,552.5	2,552.5	0.0
Y	19,340	83	345	11.7	2,556.6	2,556.6	2,556.6	0.0

¹ Feet Above Confluence with Santa Cruz River

² Elevation computed without consideration of backwater effects from Santa Cruz River

REVISED DATA

TABLE 8

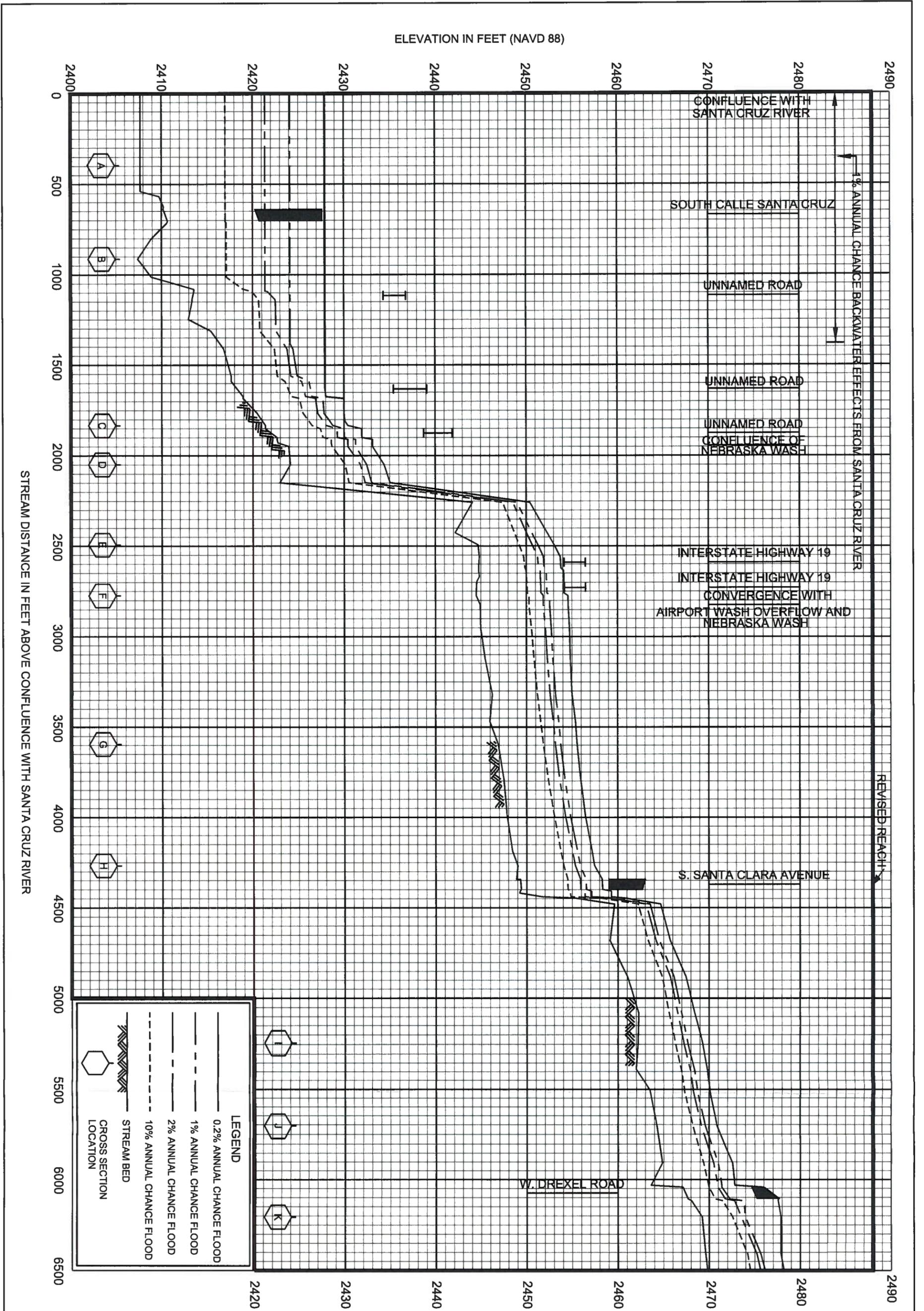
FEDERAL EMERGENCY MANAGEMENT AGENCY

**PIMA COUNTY, AZ
AND INCORPORATED AREAS**

FLOODWAY DATA

AIRPORT WASH REVISED TO REFLECT LOMR

EFFECTIVE: June 2, 2017



LEGEND

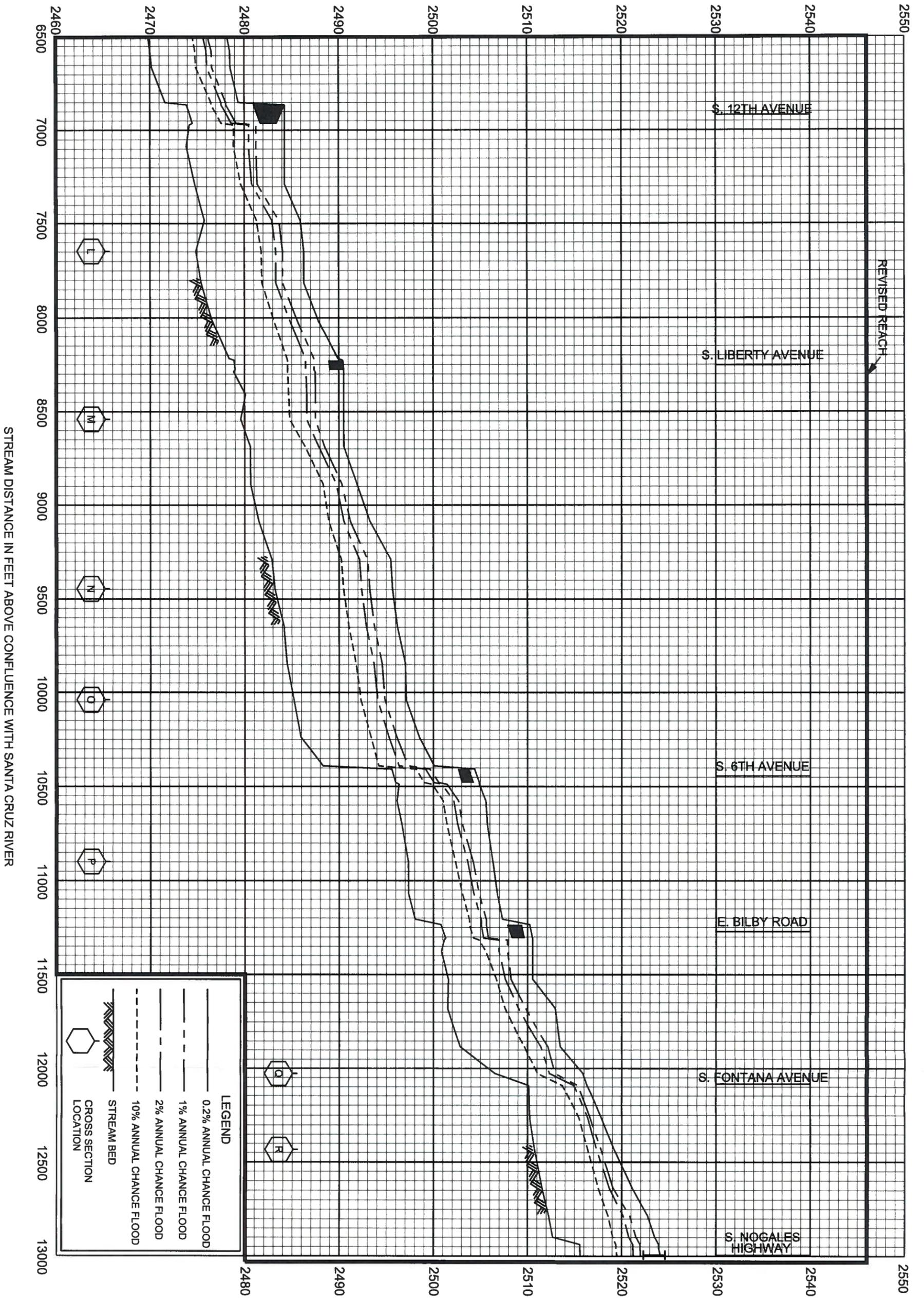
- 0.2% ANNUAL CHANCE FLOOD
- 1% ANNUAL CHANCE FLOOD
- 2% ANNUAL CHANCE FLOOD
- - - 10% ANNUAL CHANCE FLOOD
- ▬▬▬ STREAM BED
- CROSS SECTION LOCATION

FEDERAL EMERGENCY MANAGEMENT AGENCY
PIMA COUNTY, AZ
 AND INCORPORATED AREAS

08P

FLOOD PROFILES
AIRPORT WASH
 REVISED TO REFLECT LOMR
 EFFECTIVE: June 2, 2017

ELEVATION IN FEET (NAVD 88)



FEDERAL EMERGENCY MANAGEMENT AGENCY

PIMA COUNTY, AZ
AND INCORPORATED AREAS

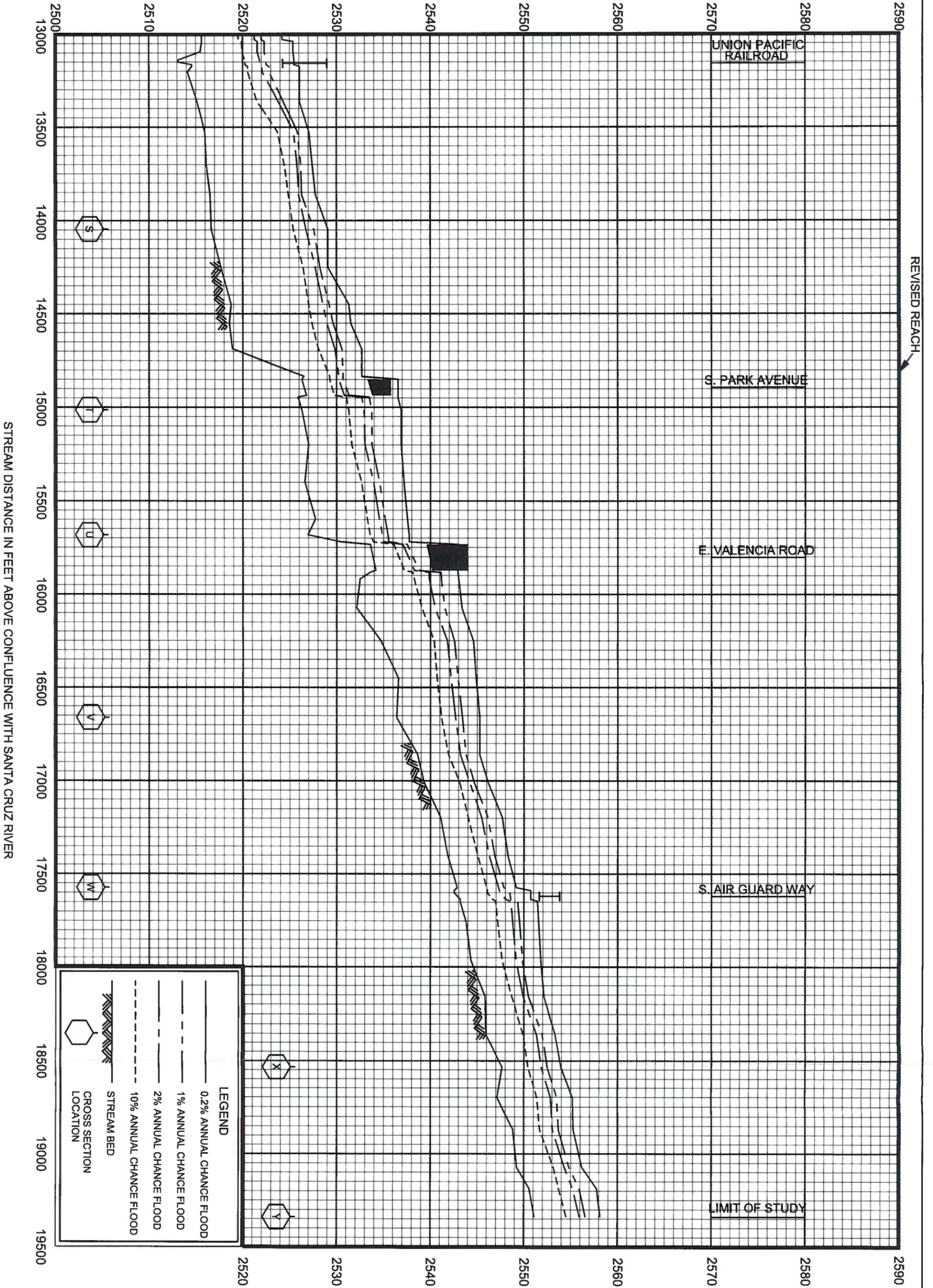
FLOOD PROFILES

AIRPORT WASH

REVISED TO
REFLECT LOMR
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09P

ELEVATION IN FEET (NAVD 88)



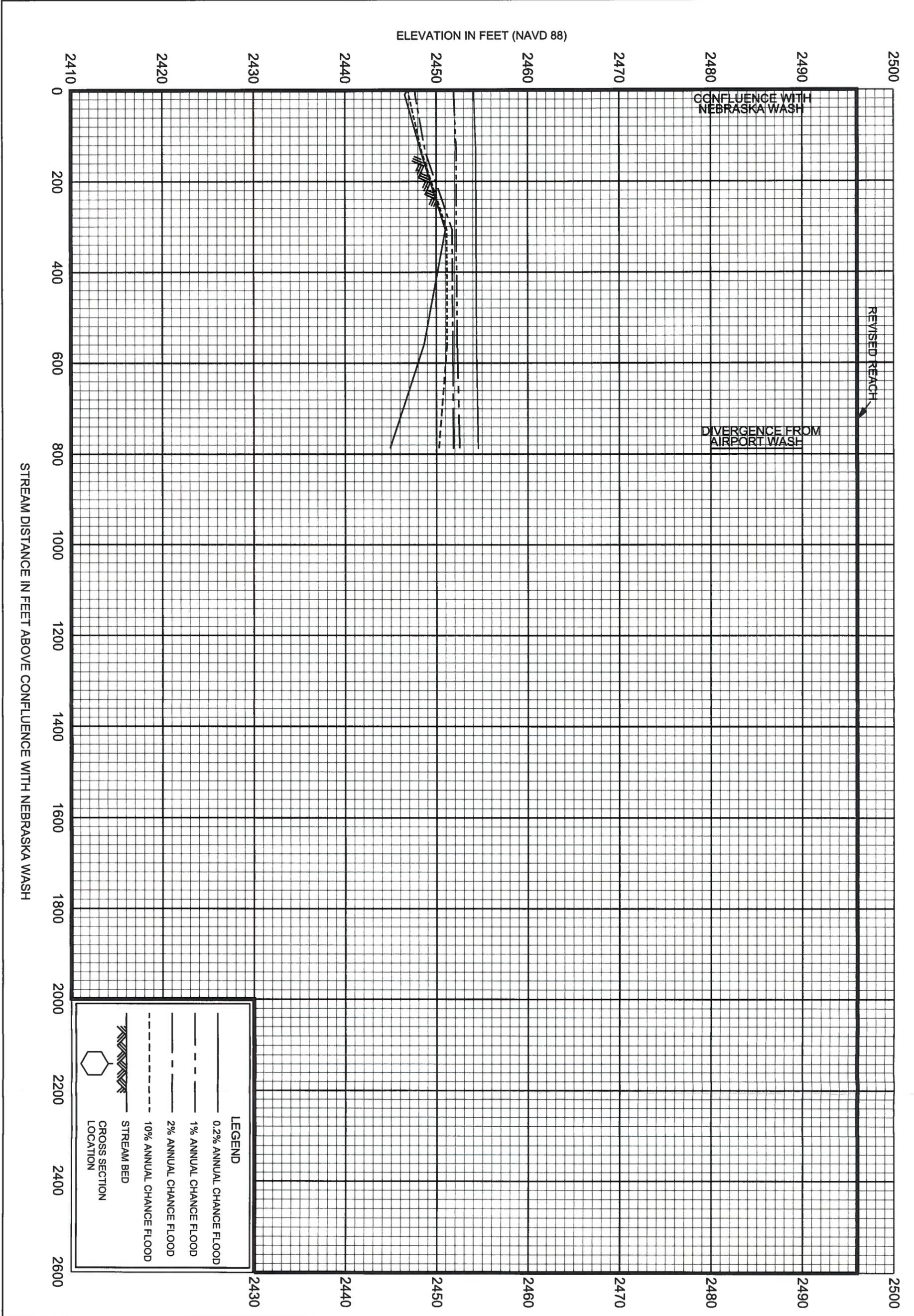
LEGEND

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

FEDERAL EMERGENCY MANAGEMENT AGENCY
PIMA COUNTY, AZ
 AND INCORPORATED AREAS

FLOOD PROFILES
AIRPORT WASH

REVISED TO REFLECT LOMR
EFFECTIVE: June 2, 2017

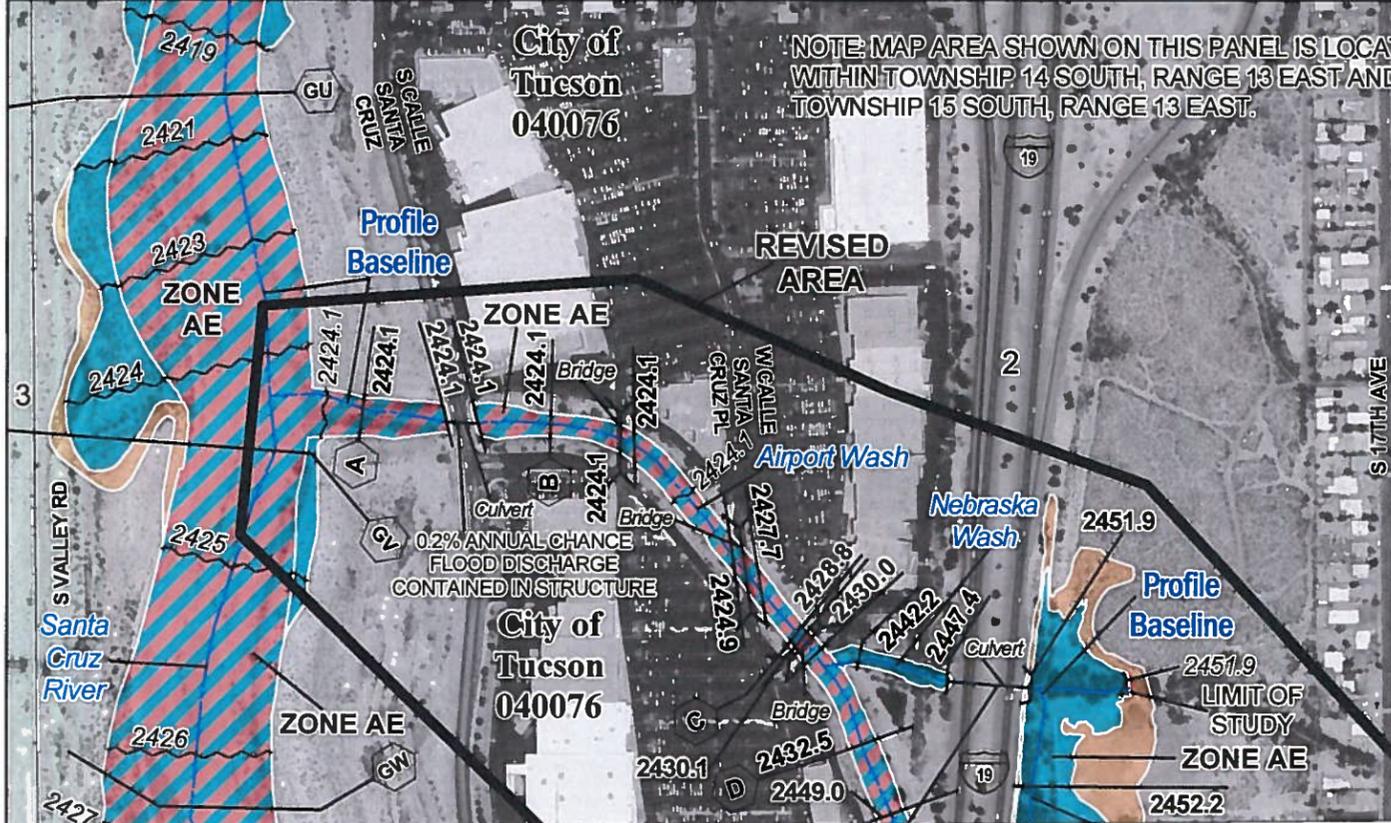


FEDERAL EMERGENCY MANAGEMENT AGENCY

PIMA COUNTY, AZ
AND INCORPORATED AREAS

FLOOD PROFILES **REVISED TO REFLECT LOMR**
EFFECTIVE: June 2, 2017
AIRPORT WASH OVERFLOW

287P



NOTE: MAP AREA SHOWN ON THIS PANEL IS LOCATED WITHIN TOWNSHIP 14 SOUTH, RANGE 13 EAST AND TOWNSHIP 15 SOUTH, RANGE 13 EAST.

W NEVADA ST
City of Tucson
040076
W IOWA ST
W LOUISIANA ST

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 HARN StatePlane Arizona Central FIPS 0202 Feet Intl
Western Hemisphere, Vertical Datum: NAVD 88

1 inch = 500 feet 1:6,000

0 250 500 1,000 Feet

0 75 150 300 Meters

JOINS PANEL 2288

0.2% ANNUAL CHANCE FLOOD DISCHARGE CONTAINED IN STRUCTURE

5'01,000mE

Airport Wash Overflow

Profile Baseline

LIMIT OF STUDY

ZONE AE

2451.9

2452.2

FEMA

National Flood Insurance Program

NATIONAL FLOOD INSURANCE PROGRAM

FLOOD INSURANCE RATE MAP

PIMA COUNTY, ARIZONA
and Incorporated Areas

PANEL **2286** OF **4750**

Panel Contains:

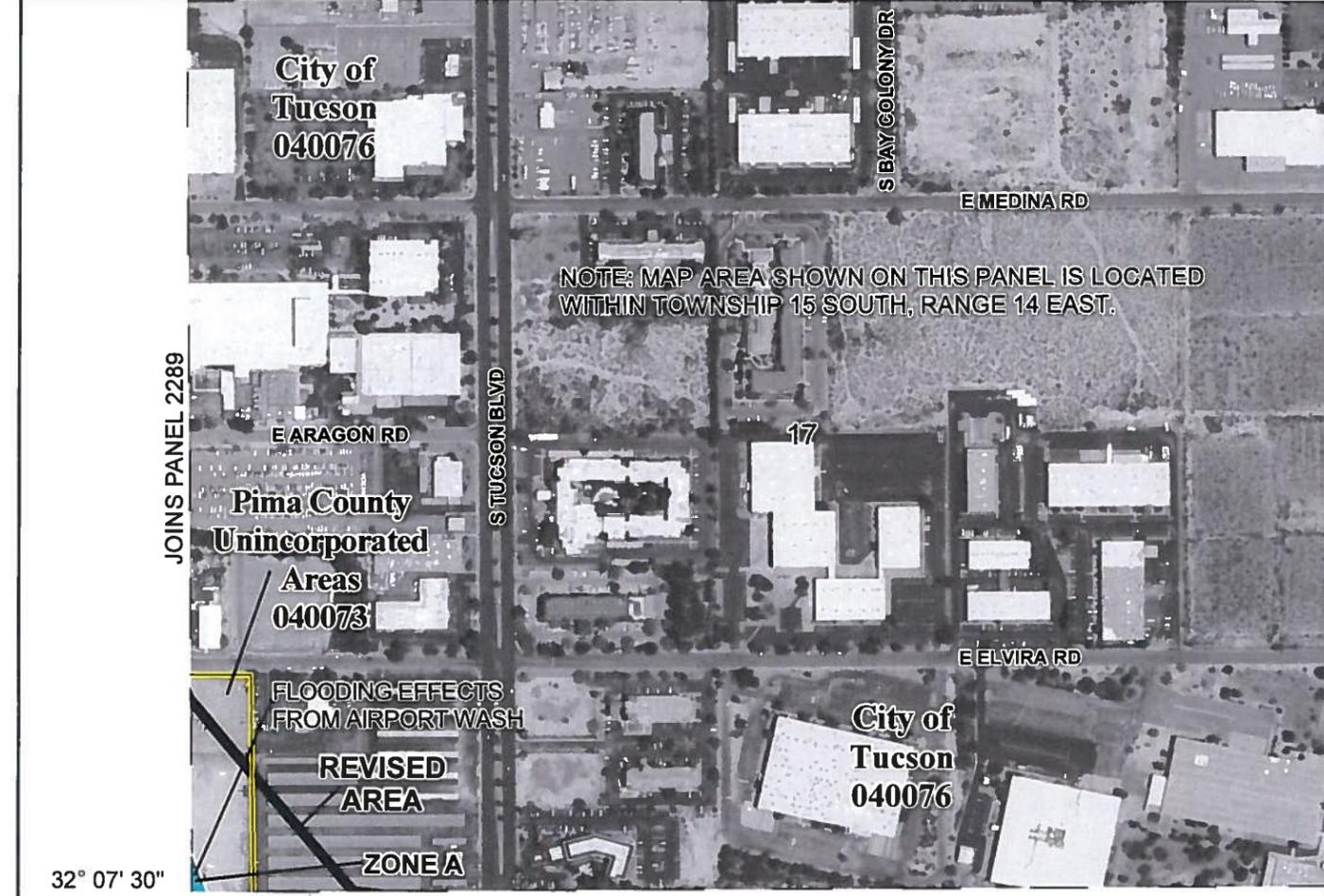
COMMUNITY	NUMBER	PANEL	SUFFIX
TUCSON, CITY OF	040076	2286	L

REVISED TO REFLECT LOMR EFFECTIVE: June 2, 2017

VERSION NUMBER 1.1.1.0

MAP NUMBER 04019C2286L

EFFECTIVE DATE JUNE 16, 2011



32° 07' 30"
 110° 56' 15"
 506,000m E

JOINS PANEL 2900

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 HARN StatePlane Arizona Central FIPS 0202 Feet Intl.
 Western Hemisphere, Vertical Datum NAVD 88

1 inch = 500 feet 1:6,000

0 250 500 1,000 Feet

0 75 150 300 Meters

NATIONAL FLOOD INSURANCE PROGRAM

FEMA
 National Flood Insurance Program

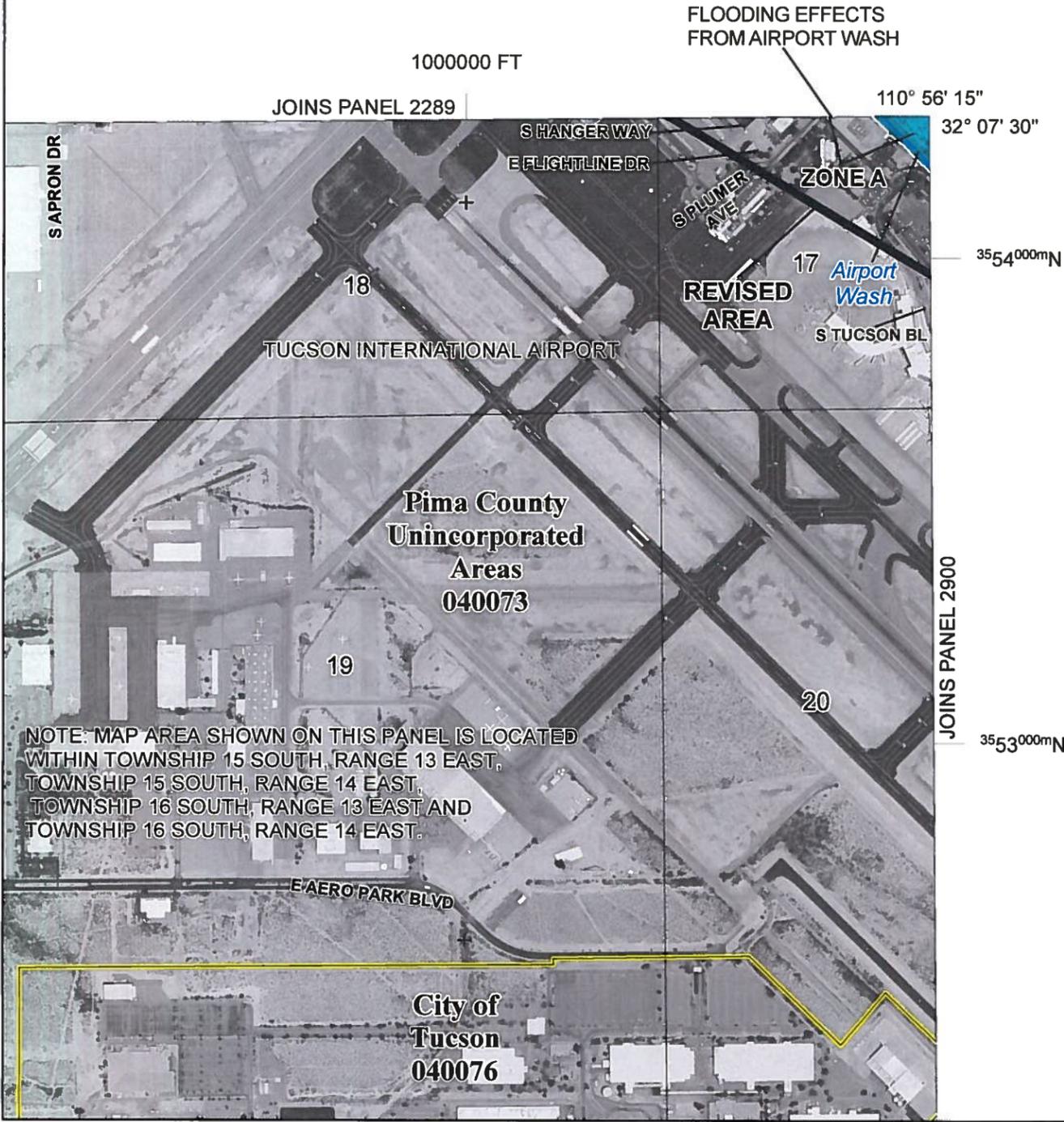
PIMA COUNTY, ARIZONA
 and Incorporated Areas

2293 of 4750

COMMUNITY: PIMA COUNTY, TUCSON CITY OF
 NUMBER: 040073, 040076
 PANEL: 2293
 SUFFIX: L

REVISED TO REFLECT LOMR EFFECTIVE: June 2, 2017

VERSION NUMBER: 1.1.1.0
 MAP NUMBER: 04019C2293L
 EFFECTIVE DATE: JUNE 16, 2011



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 HARN StatePlane Arizona Central FIPS 0202 Feet Intl
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

FEDERAL EMERGENCY MANAGEMENT AGENCY

NATIONAL FLOOD INSURANCE PROGRAM
FLOOD INSURANCE RATE MAP

PIMA COUNTY, ARIZONA
and Incorporated Areas

PANEL 2880 OF 4750

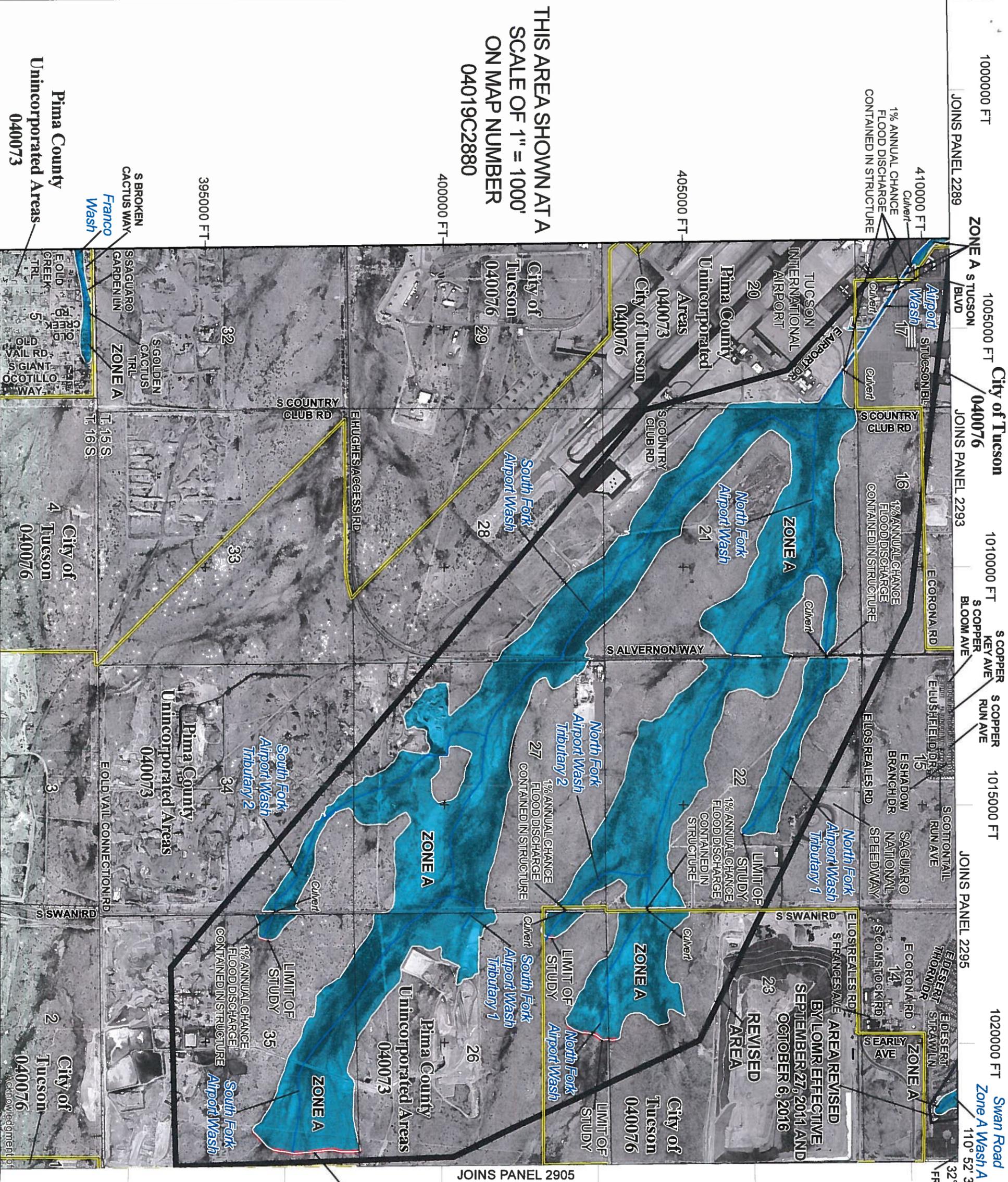
Panel Contains:

COMMUNITY	NUMBER	PANEL	SUFFIX
PIMA COUNTY	040073	2880	L
TUCSON, CITY OF	040076	2880	L

REVISED TO REFLECT LOMR EFFECTIVE: June 2, 2017

VERSION NUMBER 1.1.1.0
MAP NUMBER 04019C2880L
EFFECTIVE DATE JUNE 16, 2011

THIS AREA SHOWN AT A
SCALE OF 1" = 1000'
ON MAP NUMBER
04019C2880



NOTE: MAP AREA SHOWN ON THIS PANEL IS LOCATED WITHIN TOWNSHIP 16 SOUTH, RANGE 14 EAST AND TOWNSHIP 16 SOUTH, RANGE 14 EAST.

SPECIAL FLOOD HAZARD AREAS

- Without Base Flood Elevation (BFE) Zone A.V, A59 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
- 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 83/NA83 StatePlane Arizona Central FIPS 5002 Feet/Int Western Hemisphere Vertical Datum NAVD 88

1 inch = 2,000 feet

0 1,000 2,000 4,000 Feet

0 250 500 1,000 Meters

FEMA National Flood Insurance Program

NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP

PIMA COUNTY, ARIZONA and Incorporated Areas

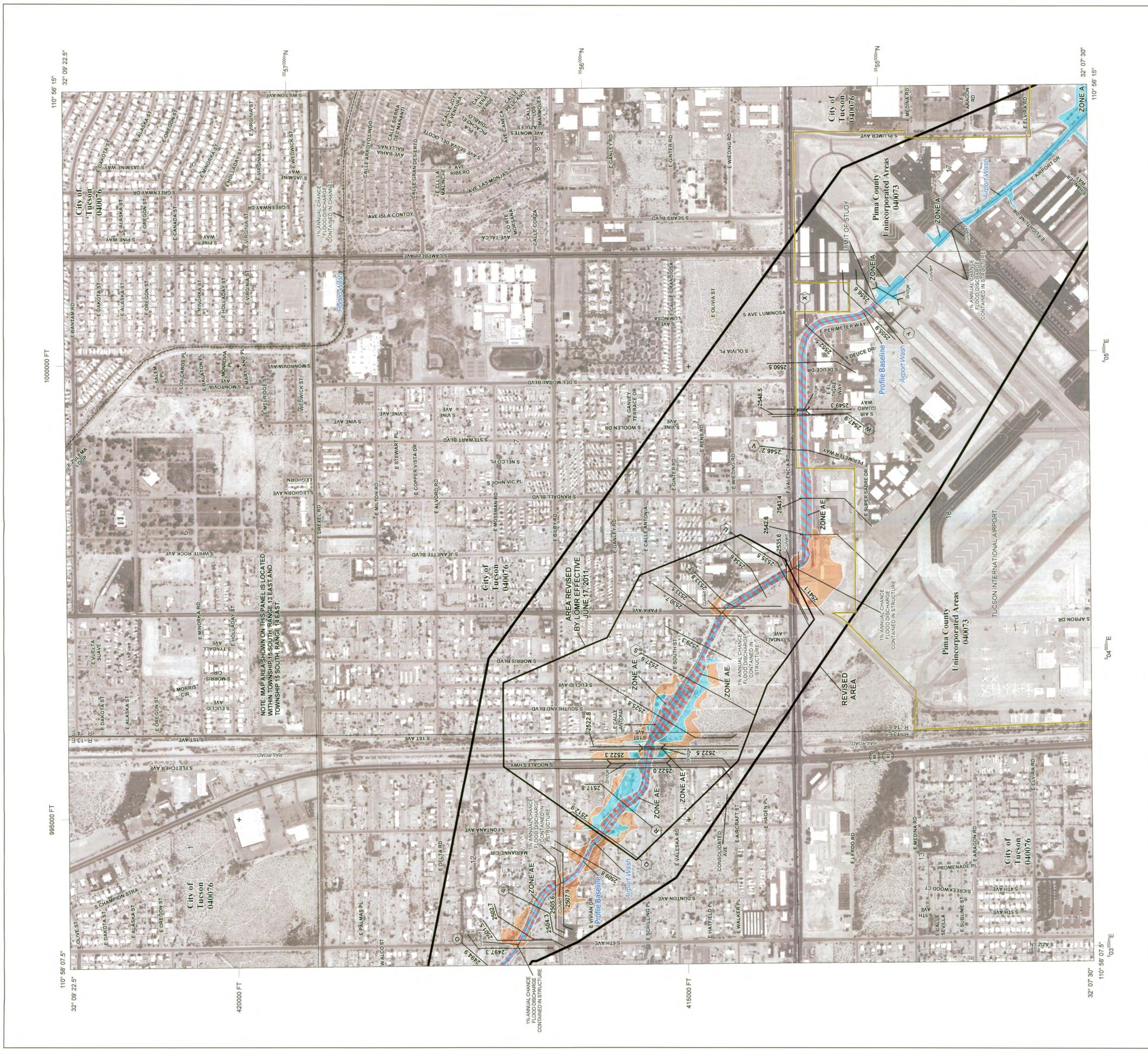
2900 of 4750

Project Details:

COMMUNITY	NUMBER	PANEL	SUFFIX
PIMA COUNTY, TUCSON, CITY OF	040073	2900	L

REVISED TO REFLECT LOMR EFFECTIVE: June 2, 2017

VERSION NUMBER: 1.1.1.0
MAP NUMBER: 04019C2900L
EFFECTIVE DATE: JUNE 16, 2011



FLOOD HAZARD INFORMATION

SEE FIS REPORT FOR ZONE DESCRIPTIONS AND INDEX MAP
THE INFORMATION DEPICTED ON THIS MAP AND SUPPORTING DOCUMENTATION ARE ALSO AVAILABLE IN DIGITAL FORMAT AT [HTTP://MSC.FEMA.GOV](http://MSC.FEMA.GOV)

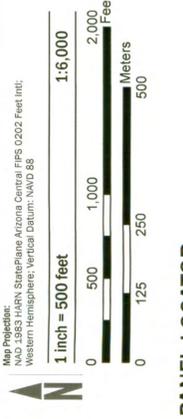
- SPECIAL FLOOD HAZARD AREAS**
 - Without Base Flood Elevation (BFE)
 - With BFE or Depth Zone AE, AO, AH, VE, AR
 - Regulatory Floodway
 - 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
 - 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**
 - NO SCREEN
 - Area of Undetermined Flood Hazard Zone D
- OTHER AREAS**
 - Channel, Culvert, or Storm Sewer
 - Levee, Dike, or Floodwall
- GENERAL STRUCTURES**
 - 18.2 Cross Sections with 1% Annual Chance Water Surface Elevation (BFE)
 - 17.5 Water Surface Elevation (BFE)
 - Coastal Transsect
 - Coastal Transsect Baseline
 - Profile Baseline
 - Hydrographic Feature
 - Base Flood Elevation Line (BFE)
 - Limit of Study
 - Jurisdiction Boundary
- OTHER FEATURES**

NOTES TO USERS

For information and questions about this map, available products, associated with the FIRI, including the National Flood Insurance Program, please call the FEMA Map Information Exchange at 1-877-FEMA-MAP (1-877-336-2627) or visit the FEMA Map Service Center website at <http://msc.fema.gov>. Available products may include previously issued Letters of Map Change (LOMC) and other information. Users may determine the current map date for each FIRI panel by visiting the FEMA Map Service Center website or by calling the FEMA Map Information Exchange. Communities annexing land on adjacent FIRI panels must obtain a current copy of the adjacent panel as well as the current FIRI index. These may be ordered directly from the 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 the community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6620. Base map information shown on this FIRI was derived from multiple sources. Base map imagery for Pima County was provided in digital format by the Pima Association of Governments. This data was developed at 1-foot ground sample distance from color aerial photography from 2002. Base map imagery for western Arizona was provided by the U.S. Geological Survey (USGS) for the State of Arizona and produced at a scale of 1:125,000 from photography dated 2006 and 2007.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) NOTE
 This map includes approximate boundaries of the CBRS for informational purposes only. Flood insurance is not available within CBRS areas for structures that are newly built or substantially improved on or after the date(s) indicated on the map. For more information on the CBRS, visit the FEMA website at <http://www.fema.gov> or call the U.S. Fish and Wildlife Service Customer Service Center at 1-800-344-WILD.

SCALE



National Flood Insurance Program
FEMA

NATIONAL FLOOD INSURANCE PROGRAM
FLOOD INSURANCE RATE MAP
PIMA COUNTY, ARIZONA
 and incorporated areas
PANEL 2289 of 4750

Panel Contains:
 COMMUNITY PIMA COUNTY 040073
 TUCSON, CITY OF 040076

NUMBER PANEL SUFFIX
 2289 2289 L
 040076 040076 L

REVISED TO REFLECT LOMR EFFECTIVE: June 2, 2017

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 MAP NUMBER 04019C2289L
 EFFECTIVE DATE JUNE 16, 2017

PANEL LOCATOR

