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Federal Emergency Management Agency **RFCD**

Washington, D.C. 20472

July 16, 2013

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

The Honorable Ramón Valadez  
Chairman, Pima County Board of Supervisors  
130 West Congress Street, 11th Floor  
Tucson, AZ 85701

IN REPLY REFER TO:

Case No.: 13-09-1006P  
Follows Conditional  
Case No.: 11-09-1800R  
Community Name: Pima County, AZ  
Community No.: 040073  
Effective Date of  
This Revision: **November 28, 2013**

Dear Mr. Valadez:

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 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 Assistance Center 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/nfip>.

Sincerely,

Siamak Esfandiary, Ph.D., P.E., Program Specialist  
Engineering Management Branch  
Federal Insurance and Mitigation Administration

For: Luis Rodriguez, P.E., Chief  
Engineering Management 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 Jonathan Rothschild  
Mayor, 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

Mr. John Oliver, P.E.  
Project Engineer  
PSOMAS

Follows Conditional Case No.: 11-09-1800R



# Federal Emergency Management Agency

Washington, D.C. 20472

## LETTER OF MAP REVISION DETERMINATION DOCUMENT

COMMUNITY AND REVISION INFORMATION		PROJECT DESCRIPTION	BASIS OF REQUEST
COMMUNITY	Pima County Arizona (Unincorporated Areas)	CHANNELIZATION	FLOODWAY HYDRAULIC ANALYSIS NEW TOPOGRAPHIC DATA
	COMMUNITY NO.: 040073		
IDENTIFIER	Pantano Wash Permanent Bank Stabilization Phase II	APPROXIMATE LATITUDE & LONGITUDE: 32.242, -110.842 SOURCE: USGS QUADRANGLE DATUM: NAD 83	
ANNOTATED MAPPING ENCLOSURES		ANNOTATED STUDY ENCLOSURES	
TYPE: FIRM*	NO.: 04019C1713L DATE: June 16, 2011	DATE OF EFFECTIVE FLOOD INSURANCE STUDY: September 28, 2012 PROFILE(S): 125P FLOODWAY DATA TABLE: 8	

Enclosures reflect changes to flooding sources affected by this revision.

\* FIRM - Flood Insurance Rate Map; \*\* FBFM - Flood Boundary and Floodway Map; \*\*\* FHBM - Flood Hazard Boundary Map

### FLOODING SOURCE(S) & REVISED REACH(ES)

Pantano Wash - from approximately 930 feet downstream of Tanque Verde Road to approximately 1,820 feet upstream of Speedway Boulevard

### SUMMARY OF REVISIONS

Flooding Source	Effective Flooding	Revised Flooding	Increases	Decreases
Pantano Wash	Floodway	Floodway	NONE	YES
	Zone AE	Zone AE	NONE	YES
	BFES*	BFES	NONE	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 (FMIX) 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>.

Siamak Esfandiary, Ph.D., P.E., Program Specialist  
Engineering Management Branch  
Federal Insurance and Mitigation Administration

132942 PT202.BKR.13091006P.H20

102-D-A



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			AFFECTED PORTIONS OF THE FLOOD INSURANCE STUDY REPORT
TYPE: FIRM*	NO.: 04019C1713L	DATE: June 16, 2011	DATE OF EFFECTIVE FLOOD INSURANCE STUDY: September 28, 2012 PROFILE(S): 125P-127P FLOODWAY DATA TABLE: 8
TYPE: FIRM*	NO.: 04019C2301L	DATE: June 16, 2011	
TYPE: FIRM*	NO.: 04019C2302L	DATE: June 16, 2011	

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 (FMIX) 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 Management Branch  
Federal Insurance and Mitigation Administration



Federal Emergency Management Agency  
Washington, D.C. 20472

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

**COMMUNITY INFORMATION**

**APPLICABLE NFIP REGULATIONS/COMMUNITY OBLIGATION**

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

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

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

**COMMUNITY REMINDERS**

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

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

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

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Map Information eXchange (FMIX) 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 Management Branch  
Federal Insurance and Mitigation Administration





# Federal Emergency Management Agency

Washington, D.C. 20472

July 16, 2013

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RETURN RECEIPT REQUESTED

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

IN REPLY REFER TO:

Case No.: 13-09-1006P  
Follows Conditional  
Case No.: 11-09-1800R  
Community Name: City of Tucson, AZ  
Community No.: 040076  
Effective Date of  
This Revision: **November 28, 2013**

Dear Mayor Rothschild:

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Siamak Esfandiary, Ph.D., P.E., Program Specialist  
Engineering Management Branch  
Federal Insurance and Mitigation Administration

For: Luis Rodriguez, P.E., Chief  
Engineering Management Branch  
Federal Insurance and Mitigation Administration

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Annotated Flood Insurance Rate Map  
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cc: The Honorable Ramón Valadez  
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Project Engineer  
PSOMAS

Mr. James Vogelsberg  
Floodplain Administrator  
City of Tucson

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Pima County Regional Flood Control District

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Chief Hydrologist  
Pima County Regional Flood Control District

Follows Conditional Case No.: 11-09-1800R



# 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 Tucson Pima County Arizona	CHANNELIZATION	FLOODWAY HYDRAULIC ANALYSIS NEW TOPOGRAPHIC DATA
	COMMUNITY NO.: 040076		
IDENTIFIER	Pantano Wash Permanent Bank Stabilization Phase II	APPROXIMATE LATITUDE & LONGITUDE: 32.242, -110.842 SOURCE: USGS QUADRANGLE DATUM: NAD 83	
ANNOTATED MAPPING ENCLOSURES		ANNOTATED STUDY ENCLOSURES	
TYPE: FIRM*	NO.: 04019C2301L DATE: June 16, 2011	DATE OF EFFECTIVE FLOOD INSURANCE STUDY: September 28, 2012 PROFILE(S): 125P-127P FLOODWAY DATA TABLE: 8	
TYPE: FIRM*	NO.: 04019C1713L DATE: June 16, 2011		
TYPE: FIRM*	NO.: 04019C2302L DATE: June 16, 2011		

Enclosures reflect changes to flooding sources affected by this revision.

\* FIRM - Flood Insurance Rate Map; \*\* FBFM - Flood Boundary and Floodway Map; \*\*\* FHBM - Flood Hazard Boundary Map

### FLOODING SOURCE(S) & REVISED REACH(ES)

Pantano Wash - from approximately 930 feet downstream of Tanque Verde Road to approximately 1,820 feet upstream of Speedway Boulevard

### SUMMARY OF REVISIONS

Flooding Source	Effective Flooding	Revised Flooding	Increases	Decreases
Pantano Wash	Floodway	Floodway	YES	YES
	Zone AE	Zone AE	YES	YES
	BFES*	BFES	YES	YES

\* BFES - Base Flood Elevations

### DETERMINATION

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Engineering Management Branch  
Federal Insurance and Mitigation Administration

132942 PT202.BKR.13091006P.H20

102-I-A-C



Federal Emergency Management Agency  
Washington, D.C. 20472

LETTER OF MAP REVISION  
DETERMINATION DOCUMENT (CONTINUED)

OTHER COMMUNITIES AFFECTED BY THIS REVISION

CID Number: 040073      Name: Pima County, Arizona

AFFECTED MAP PANELS

AFFECTED PORTIONS OF THE FLOOD INSURANCE STUDY REPORT

TYPE: FIRM\*      NO.: 04019C1713L      DATE: June 16, 2011

DATE OF EFFECTIVE FLOOD INSURANCE STUDY: September 28, 2012  
PROFILE(S): 125P  
FLOODWAY DATA TABLE: 8

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**Federal Emergency Management Agency**  
Washington, D.C. 20472

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

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Siamak Esfandiary, Ph.D., P.E., Program Specialist  
Engineering Management 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:

Ms. Sally M. Ziolkowski  
Director, Mitigation Division  
Federal Emergency Management Agency, Region IX  
1111 Broadway Street, 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 (FMIX) 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 "Siamak Esfandiary".

Siamak Esfandiary, Ph.D., P.E., Program Specialist  
Engineering Management Branch  
Federal Insurance and Mitigation Administration



FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION (FEET NAVD)			
CROSS SECTION	DISTANCE <sup>1</sup>	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Pantano Wash								
A	581	580 <sup>2</sup>	4,713	6.8	2,434.6	2,434.6 <sup>3</sup>	2,435.0 <sup>3</sup>	0.4
B	1,056	1,020 <sup>2</sup>	2,753	11.6	2,439.2	2,439.2 <sup>3</sup>	2,439.2 <sup>3</sup>	0.0
C	1,584	1,395 <sup>2</sup>	5,803	5.5	2,441.6	2,441.6 <sup>4</sup>	2,441.6 <sup>3</sup>	0.0
D	2,218	415 <sup>2</sup>	2,352	13.6	2,445.1 <sup>3</sup> /2,444.3 <sup>4</sup>	2,444.3 <sup>4</sup>	2,444.3 <sup>3</sup>	0.0
E	2,746	259	1,936	16.6	2,446.4 <sup>3</sup> /2,446.8 <sup>4</sup>	2,446.8 <sup>4</sup>	2,446.8 <sup>3</sup>	0.0
F	3,326	450	4,646	6.9	2,450.6 <sup>3</sup> /2,451.7 <sup>4</sup>	2,451.7 <sup>4</sup>	2,451.7 <sup>3</sup>	0.0
G	3,802	516	3,688	8.7	2,451.3 <sup>3</sup> /2,451.9 <sup>4</sup>	2,451.9 <sup>4</sup>	2,452.0 <sup>3</sup>	0.1
H	4,330	218	1,906	16.8	2,453.8 <sup>3</sup> /2,453.9 <sup>4</sup>	2,453.9	2,454.0	0.1
I	4,858	160	1,719	18.6	2,458.2 <sup>3</sup> /2,458.3 <sup>4</sup>	2,458.3	2,458.3	0.0
J	5,386	575	3,152	10.2	2,461.1	2,461.1	2,461.3	0.2
K	6,442	837	6,061	5.3	2,464.7	2,464.7	2,465.2	0.5
L	6,970	729	3,471	9.2	2,465.2	2,465.2	2,465.4	0.2
M	7,498	861	4,391	7.3	2,467.7	2,467.7	2,468.4	0.7
N	8,078	664	2,786	11.5	2,470.7	2,470.7	2,470.7	0.0
O	8,659	264	2,014	15.9	2,477.9	2,477.9	2,477.9	0.0
P	9,187	353	2,984	10.7	2,482.3	2,482.3	2,482.3	0.0
Q	9,610	328	2,175	14.7	2,483.6	2,483.6	2,483.6	0.0
R	10,138	384	2,590	12.4	2,487.6	2,487.6	2,487.6	0.0
S	10,666	293	2,139	15.0	2,491.5	2,491.5	2,491.5	0.0
T	11,444	196	2,014	15.9	2,495.8	2,495.8	2,495.8	0.0
U	11,738	179	1,779	18.0	2,497.9	2,497.9	2,497.9	0.0
V	12,230	247	2,882	11.1	2,504.2	2,504.2	2,504.2	0.0
W	12,706	221	2,880	11.1	2,505.6	2,505.6	2,505.6	0.0
X	13,294	219	1,909	16.8	2,506.0	2,506.0	2,506.0	0.0
Y	13,755	241	2,431	13.2	2,509.5	2,509.5	2,509.5	0.0
Z	14,270	229	2,340	13.7	2,511.6	2,511.6	2,511.6	0.0

1 Feet above confluence with Rillito Creek and Tanque Verde Creek

2 Combined flooding effects with Tanque Verde Creek

3 Elevation computed with consideration levee

4 Elevation computed without consideration of levee

**REVISED TO  
REFLECT LOMR  
EFFECTIVE: November 28, 2013**

FEDERAL EMERGENCY MANAGEMENT AGENCY  
**PIMA COUNTY, AZ  
AND INCORPORATED AREAS**

FLOODWAY DATA

**PANTANO WASH**

TABLE 8

Revised Data

FLOODING SOURCE		FLOODWAY				BASE FLOOD WATER SURFACE ELEVATION (FEET NAVD)			
CROSS SECTION	DISTANCE <sup>1</sup>	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE	
Pantano Wash (continued)									
AA	15,062	176	2,504	12.8	2,519.2	2,519.2	2,519.2	0.0	
AB	15,741	155	2,387	15.5	2,520.5	2,520.5	2,520.5	0.0	
AC	16,420	303	2,373	16.0	2,527.6	2,527.6	2,527.6	0.0	
AD	16,913	225	1,919	16.7	2,531.9	2,531.9	2,531.9	0.0	
AE	17,413	257	2,422	13.2	2,535.8	2,535.8	2,535.8	0.0	
AF	18,529	273	3,063	12.4	2,542.9	2,542.9	2,542.9	0.0	
AG	18,939	309	4,266	10.0	2,544.6	2,544.6	2,544.6	0.0	
AH	19,437	367	2,956	10.8	2,547.2	2,547.2	2,547.2	0.0	
AI	19,958	279	2,062	15.5	2,547.2	2,547.2	2,547.2	0.0	
AJ	20,835	278	2,198	14.6	2,551.4	2,551.4	2,551.4	0.0	
AK	21,463	274	2,047	15.6	2,553.8	2,553.8	2,553.8	0.0	
AL	22,229	294	2,013	15.9	2,559.4	2,559.4	2,559.4	0.0	
AM	23,021	293	2,293	14.0	2,563.6	2,563.6	2,563.6	0.0	
AN	23,707	273	2,046	15.6	2,566.4	2,566.4	2,566.4	0.0	
AO	24,182	226	1,921	16.7	2,573.7	2,573.7	2,573.7	0.0	
AP	24,235	246	1,978	16.2	2,580.5	2,580.5	2,580.5	0.0	
AQ	24,394	268	2,497	12.8	2,584.1	2,584.1	2,584.1	0.0	
AR	24,869	261	2,034	15.7	2,584.8	2,584.8	2,584.8	0.0	
AS	25,661	265	2,342	13.7	2,588.7	2,588.7	2,588.7	0.0	
AT	26,189	258	2,012	15.9	2,590.2	2,590.2	2,590.2	0.0	
AU	26,717	282	2,433	13.2	2,593.5	2,593.5	2,593.5	0.0	
AV	27,509	218	1,984	16.1	2,593.5	2,593.5	2,593.5	0.0	
AW	28,010	236	1,952	16.4	2,598.8	2,598.8	2,598.8	0.0	
AX	28,538	240	1,967	16.3	2,602.0	2,602.0	2,602.0	0.0	
AY	29,066	231	1,935	16.5	2,604.7	2,604.7	2,604.7	0.0	
AZ	29,885	240	2,678	11.9	2,614.7	2,614.7	2,614.7	0.0	

Revised Data

<sup>1</sup> Feet above confluence with Rillito Creek and Tanque Verde Creek.

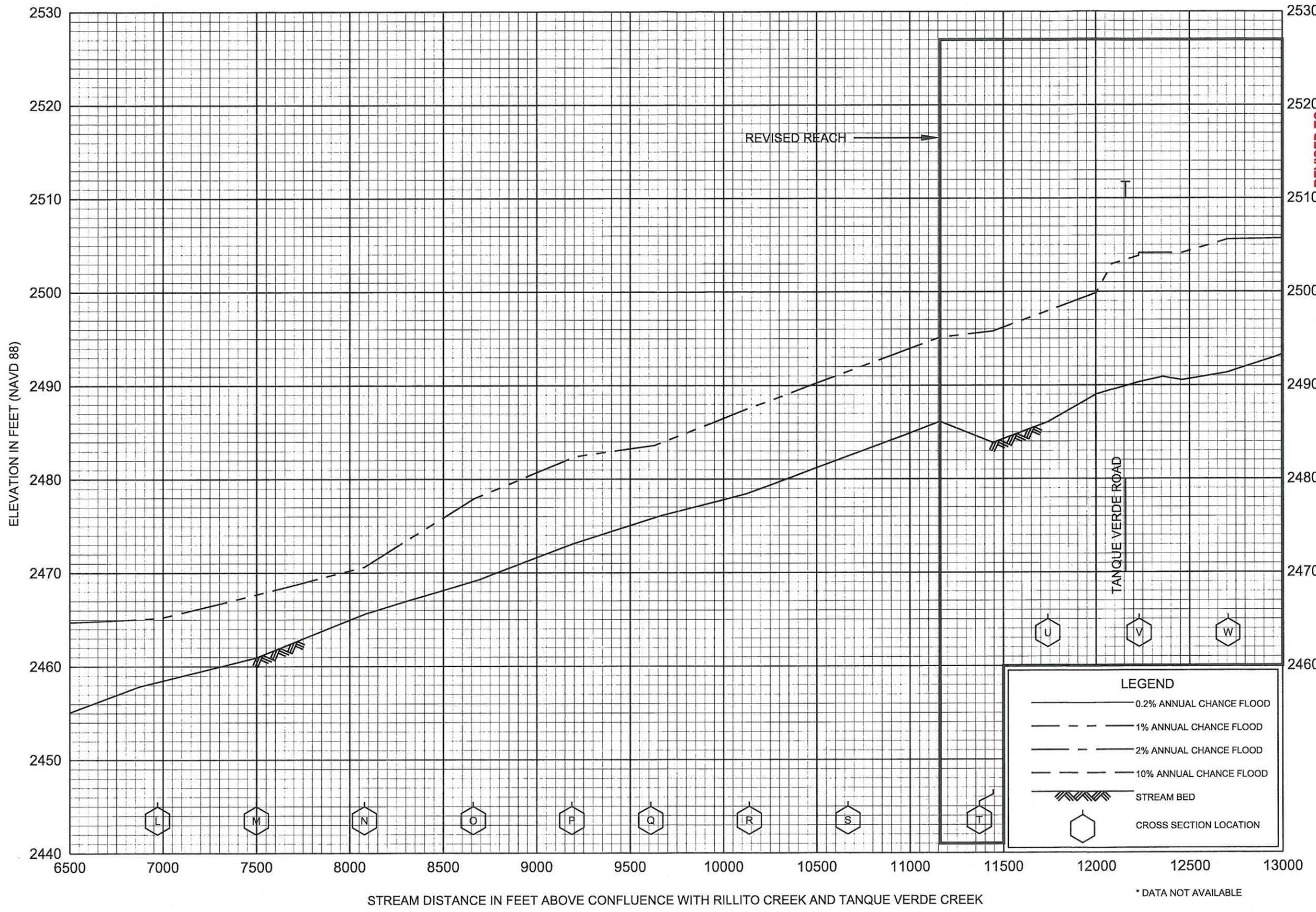
**REVISED TO REFLECT LOMR**  
**EFFECTIVE: November 28, 2013**

FEDERAL EMERGENCY MANAGEMENT AGENCY  
**PIMA COUNTY, AZ**  
**AND INCORPORATED AREAS**

FLOODWAY DATA

PANTANO WASH

TABLE 8



REVISED TO REFLECT LOMR EFFECTIVE: November 28, 2013

**FLOOD PROFILES**

**PANTANO WASH**

FEDERAL EMERGENCY MANAGEMENT AGENCY

**PIMA COUNTY, AZ**  
AND INCORPORATED AREAS

**125P**







JOINS PANEL 2301

5,140.00m E

ZONE AE

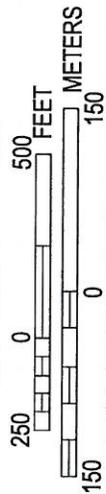
PROFILE  
BASELINE  
Pantano  
Wash

**Legend**

-  1% annual chance (100-Year) Floodplain
-  1% annual chance (100-Year) Floodway
-  0.2% annual chance (500-Year) Floodplain



MAP SCALE 1" = 500'



**NFIP**

PANEL 1713L

**FIRM**  
FLOOD INSURANCE RATE MAP

PIMA COUNTY,  
ARIZONA  
AND INCORPORATED AREAS

PANEL 1713 OF 4750

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)  
CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
PIMA COUNTY	040073	1713	L
TUCSON, CITY OF	040076	1713	L

**REVISED TO  
REFLECT LOMR  
EFFECTIVE: November 28, 2013**

Notice to User: The Map Number shown below should be used when referring to this map. The Community Number shown above should be used on insurance applications for the subject community.



MAP NUMBER  
04019C1713L  
MAP REVISED  
JUNE 16, 2011

Federal Emergency Management Agency

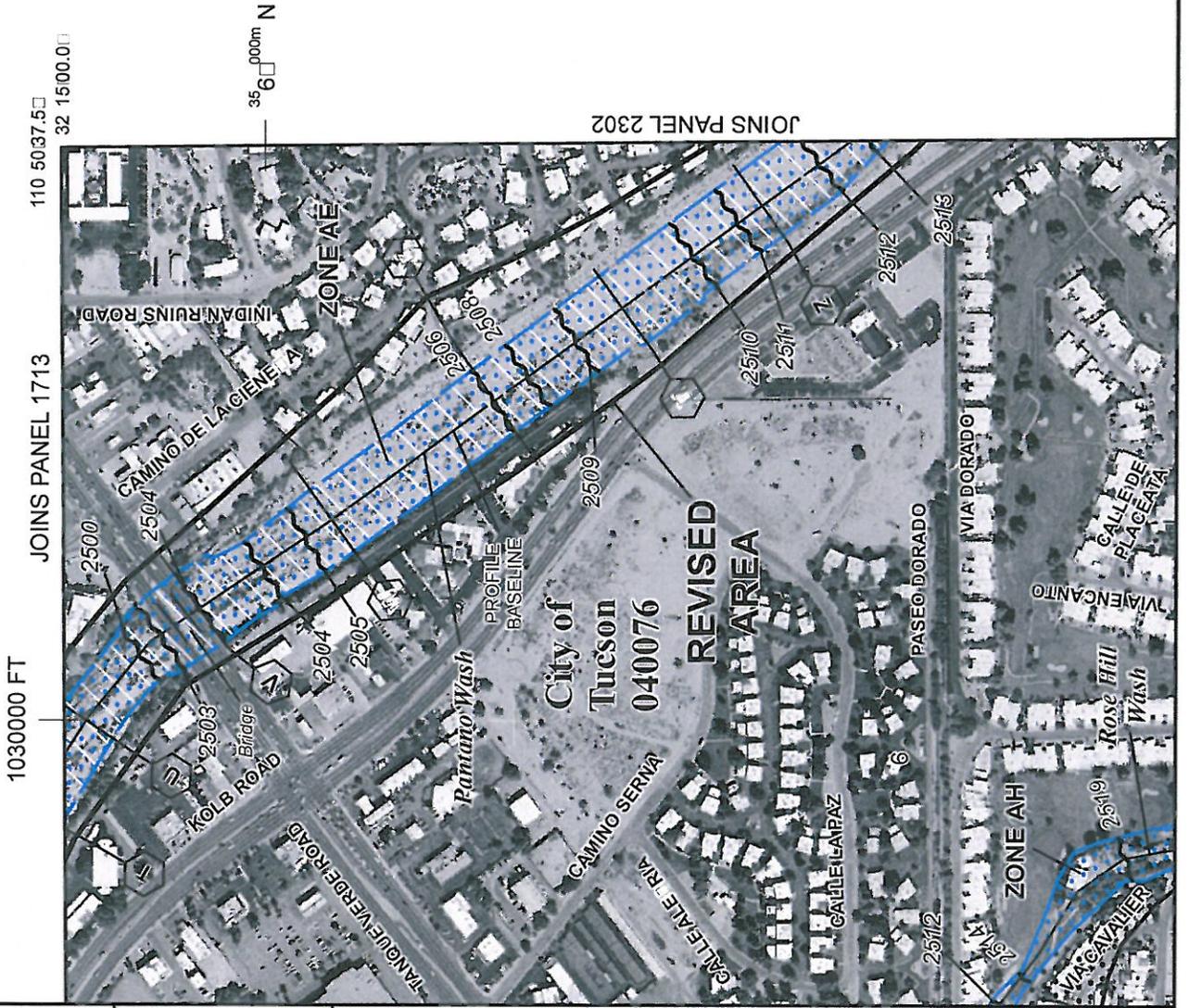
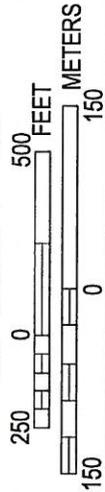
NATIONAL FLOOD INSURANCE PROGRAM

Legend

-  1% annual chance (100-Year) Floodplain
-  1% annual chance (100-Year) Floodway
-  0.2% annual chance (500-Year) Floodplain



MAP SCALE 1" = 500'



1030000 FT

JOINS PANEL 1713

110 5037.5  
32 1500.0

35 600m N

JOINS PANEL 2302

PANEL 2301L

**FIRM**  
FLOOD INSURANCE RATE MAP

PIMA COUNTY,  
ARIZONA  
AND INCORPORATED AREAS

PANEL 2301 OF 4750

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)  
CONTAINS:

COMMUNITY NUMBER PANEL SUFFIX  
TUCSON, CITY OF 040076 2301 L

**REVISED TO REFLECT LOMR**  
**EFFECTIVE: November 28, 2013**

Notice to User: The Map Number shown below should be used when placing orders for Flood Insurance Rate Maps. Community information above should be used on insurance applications for the subject community.



MAP NUMBER  
04019C2301L  
MAP REVISED  
JUNE 16, 2011

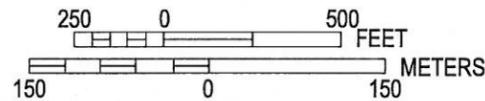
Federal Emergency Management Agency

NATIONAL FLOOD INSURANCE PROGRAM

- Legend
-  1% annual chance (100-Year) Floodplain
  -  1% annual chance (100-Year) Floodway
  -  0.2% annual chance (500-Year) Floodplain



MAP SCALE 1" = 500'



**NFP**

**PANEL 2302L**

**FIRM**  
FLOOD INSURANCE RATE MAP

**PIMA COUNTY,  
ARIZONA**  
AND INCORPORATED AREAS

**PANEL 2302 OF 4750**  
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)  
CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
TUCSON, CITY OF	040076	2302	L

**REVISED TO  
REFLECT LOMR  
EFFECTIVE: November 28, 2013**

Notice to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the subject community.

**MAP NUMBER  
04019C2302L**

**MAP REVISED  
JUNE 16, 2011**



Federal Emergency Management Agency

