



Federal Emergency Management Agency

Washington, D.C. 20472

September 12, 2013

RECEIVED

SEP 16 2013

RFCO

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.: 13-09-0833P
Follows Conditional Case No.: 05-09-1267R
Community Name: Pima County, AZ
Community No.: 040073
Effective Date of
This Revision: **January 24, 2014**

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(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 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: Ms. Suzanne Shields, P.E.
Director and Chief Engineer
Pima County

Mr. Francisco Urueta, P.E.
Project Manager
Zia Engineering & Environmental Consultants, LLC

Mr. Frank Pampalone
Wal-Mart Stores, Inc.

Follows Conditional Case No.: 05-09-1267R



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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)	CHANNELIZATION CULVERT FILL	HYDRAULIC ANALYSIS HYDROLOGIC ANALYSIS NEW TOPOGRAPHIC DATA
	COMMUNITY NO.: 040073		
IDENTIFIER	Valencia Wash Bank Improvements	APPROXIMATE LATITUDE & LONGITUDE: 32.132, -111.026 SOURCE: Precision Mapping Streets DATUM: NAD 83	
ANNOTATED MAPPING ENCLOSURES		ANNOTATED STUDY ENCLOSURES	
TYPE: FIRM* NO.: 04019C2270L DATE: June 16, 2011		DATE OF EFFECTIVE FLOOD INSURANCE STUDY: September 28, 2012 PROFILE(S): 298P SUMMARY OF DISCHARGES TABLE: 6 STILLWATER ELEVATION TABLE: 11	

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)

Valencia Wash - from approximately 230 feet upstream of Valencia Road to approximately 815 feet upstream of Cardinal Avenue

SUMMARY OF REVISIONS

Flooding Source	Effective Flooding	Revised Flooding	Increases	Decreases
Valencia Wash	Zone A	Zone AH	YES	YES
	Zone A	Zone AE	YES	YES
	No BFEs*	BFEs	YES	NONE

* BFEs - Base Flood Elevations

DETERMINATION

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

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Map Information eXchange (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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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.

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 revision has met our criteria for removing an area from the 1-percent-annual-chance floodplain to reflect the placement of fill. However, we encourage you to require that the lowest adjacent grade and lowest floor (including basement) of any structure placed within the subject area be elevated to or above the Base (1-percent-annual-chance) Flood Elevation.

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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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. 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

Table 11. Summary of Stillwater Elevations

<u>Flooding Source</u>	Elevation (Feet NAVD ¹)			
	<u>10-Percent</u>	<u>2-Percent</u>	<u>1-Percent</u>	<u>0.2-Percent</u>
Valencia Wash				
At the corner southwest				
Corner of Westover				
Avenue and Valencia Road	*	*	2501.3	*

¹North American Vertical Datum of 1988

**REVISED TO
REFLECT LOMR
EFFECTIVE: January 24, 2014**

TABLE 6- SUMMARY OF DISCHARGES- continued

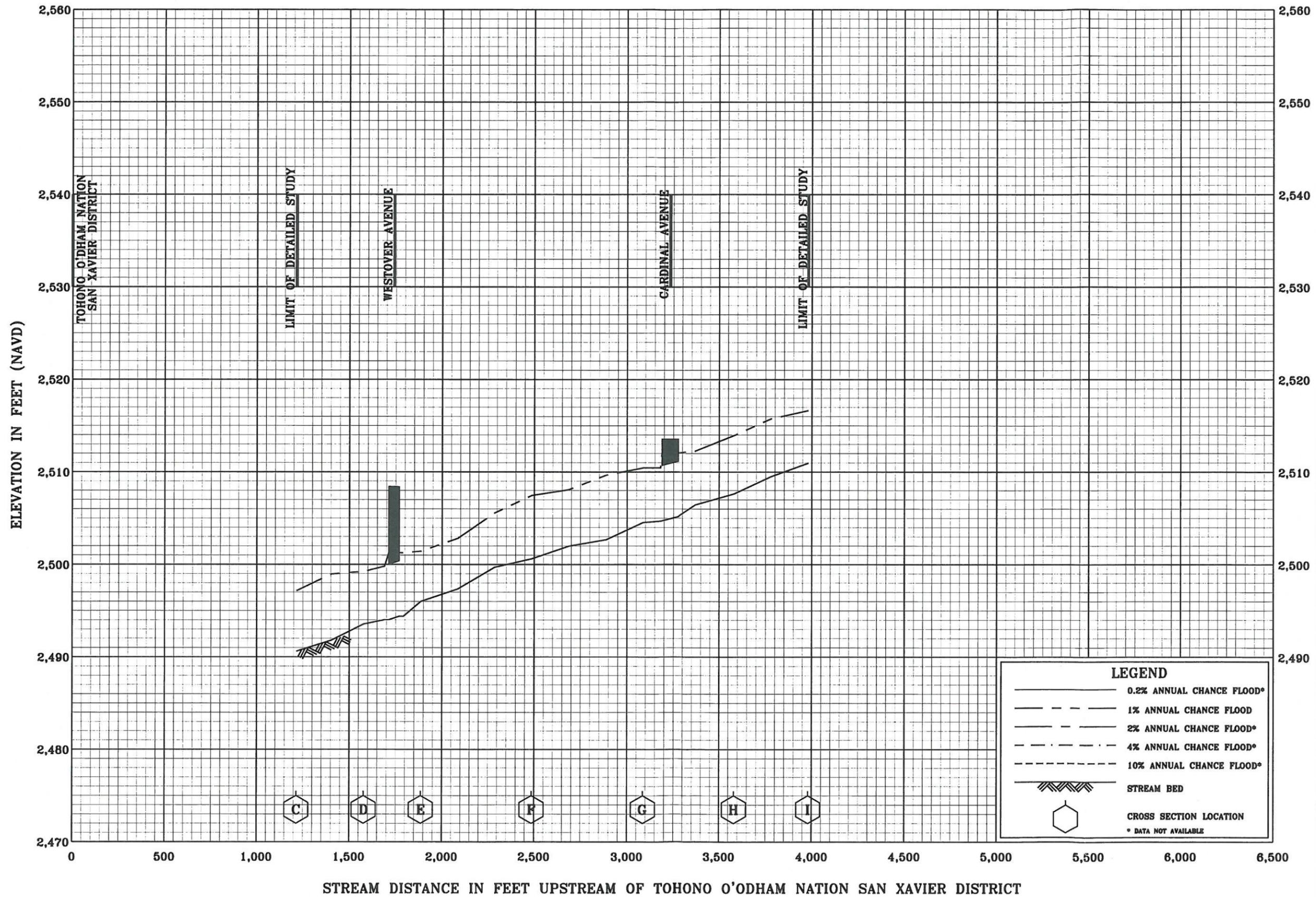
FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq. miles)	PEAK DISCHARGES (cfs)			
		10-PERCENT	2-PERCENT	1-PERCENT	0.2-PERCENT
UNNAMED TRIBUTARY TO ROLLERCOASTER WASH Approximately 300 feet upstream of confluence with Rollercoaster Wash	*	*	*	6,602	*
UNNAMED WASH At Tangerine Road	2.20	*	*	1,515	*
UNNAMED WASH At Cortaro Farms Road and Union Pacific Railroad	1.4	*	*	690	*
VALENCIA WASH At Valencia Road	2.52	*	*	5310	*
REVIS DATA VAN BUREN WASH					
At confluence with Alamo Wash	0.5	*	*	941	*
At Pima Street	0.3	*	*	633	*
VENTANA CANYON WASH					
At confluence with Tanque Verde Creek	16.7	3,217	*	9,371	17,000
Downstream of confluence with Esperero Canyon Wash	14.6	4,952	11,451	14,775	27,000
Upstream of Confluence with Espero Canyon Wash	7.9	4,140	8,888	11,082	18,500
At Sunrise Drive	7.0	4,172	8,684	10,770	19,500
Approximately 0.51 miles upstream of North Resort Road	3.9	3,304	6,621	7,836	13,250
WILD BURRO CANYON					
At Dove Mountain Boulevard	6.24	*	*	3,634	*
WILSON WASH					
At Mountain Avenue	3.0	*	*	2,715	*
At Campbell Avenue	1.8	*	*	2,279	*

*Data not Available

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3.2 Hydraulic Analyses

Analyses of the hydraulic characteristics of flooding from the source studied were carried out to provide estimates of the elevations of floods of the selected recurrence intervals. Users should be aware that flood elevations shown on the FIRM represent



FLOOD PROFILES

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FEDERAL EMERGENCY MANAGEMENT AGENCY

PIMA COUNTY, AZ

AND INCORPORATED AREAS

VALENCIA WASH

298P

Legend

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

MAP SCALE 1" = 1000'

500 0 1000 FEET
300 0 300 METERS



JOINS PANEL 2860

497'000m E

498'000m E

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

NFIP

PANEL 2270L

FIRM

FLOOD INSURANCE RATE MAP

PIMA COUNTY, ARIZONA

AND INCORPORATED AREAS

PANEL 2270 OF 4750

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL SUFFIX
PIMA COUNTY	2270	L
TUCSON, CITY OF	040076	2270 L

REVISED TO REFLECT LOMR EFFECTIVE: January 24, 2014

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 04019C2270L

MAP REVISED JUNE 16, 2011

Federal Emergency Management Agency