



# Federal Emergency Management Agency

Washington, D.C. 20472

July 1, 2015

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

The Honorable Jonathan Rothschild  
Mayor, City of Tucson  
City Hall  
255 W. Alameda St.  
Tucson, AZ 85701

IN REPLY REFER TO:

Case No.: 15-09-0584P  
Community Name: City Of Tucson, AZ  
Community No.: 040076  
Effective Date of  
This Revision: **November 13, 2015**

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,

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: Mr. Jim Volgelsberg, P.E.  
Floodplain Administrator  
City of Tucson

Mr. Maximo De Vera, P.E.  
Project Engineer  
MRC, LLC

Mr. Massoud Rezakhani  
MRC, LLC



# 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	NO PROJECT	HYDRAULIC ANALYSIS HYDROLOGIC ANALYSIS NEW TOPOGRAPHIC DATA
	COMMUNITY NO.: 040076		
IDENTIFIER	Midway Property	APPROXIMATE LATITUDE & LONGITUDE: 32.235, -110.896 SOURCE: USGS QUADRANGLE DATUM: NAD 83	
ANNOTATED MAPPING ENCLOSURES		ANNOTATED STUDY ENCLOSURES	
TYPE: FIRM* NO.: 04019C2282L DATE: June 16, 2011		DATE OF EFFECTIVE FLOOD INSURANCE STUDY: September 28, 2012 PROFILE(S): 72P SUMMARY OF DISCHARGE TABLE: TABLE 6	

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)

Midway Wash – from approximately just downstream of Speedway Boulevard to 150 feet south of the Third Street .

### SUMMARY OF REVISIONS

Flooding Source	Effective Flooding	Revised Flooding	Increases	Decreases
Midway Wash	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 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>.

Luis Rodriguez, P.E., Chief  
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.

#### 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 "Luis Rodriguez".

Luis Rodriguez, P.E., Chief  
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:

Mr. Jeffrey D. Lusk  
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 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 "Luis Rodriguez".

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



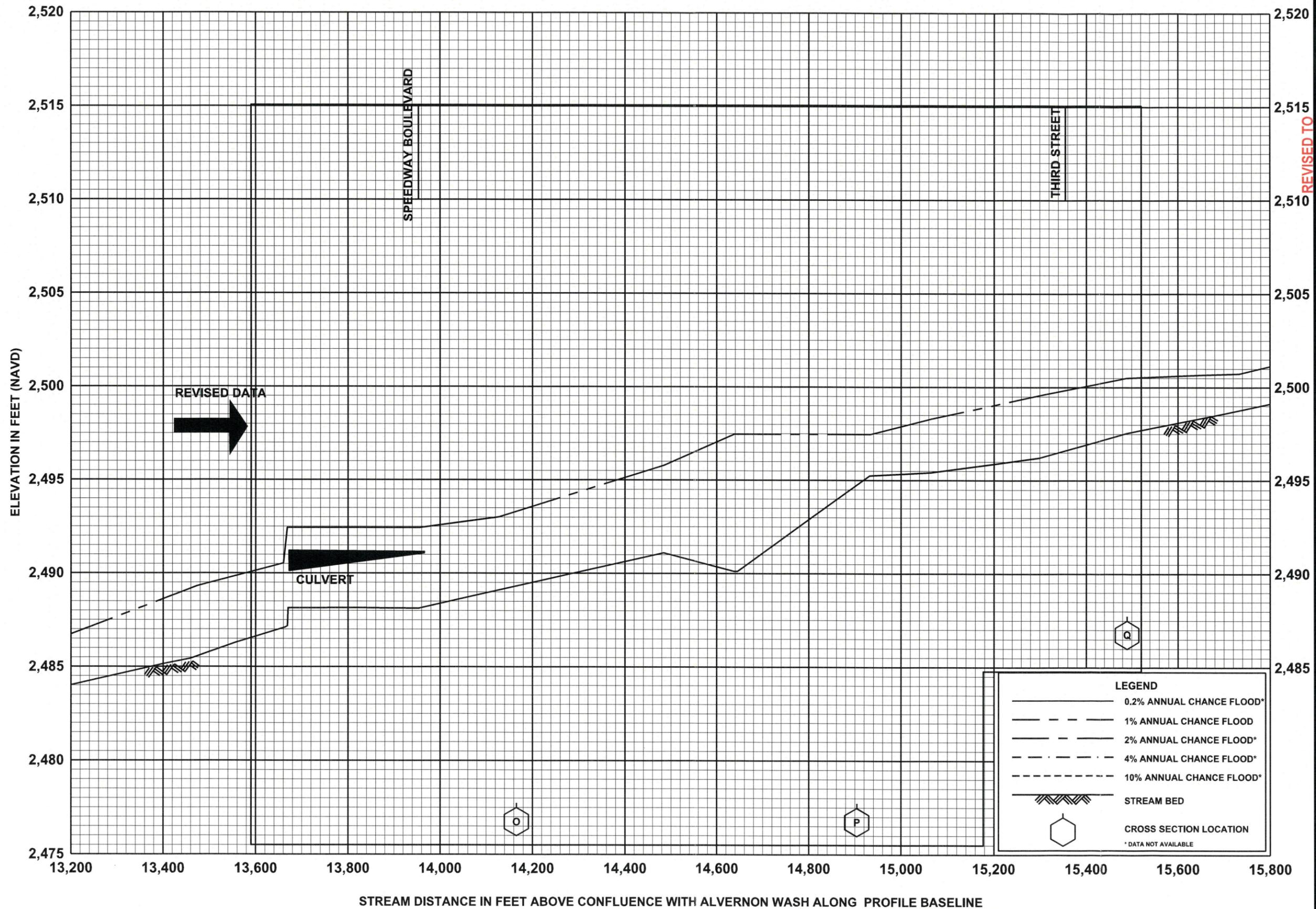
TABLE 6- SUMMARY OF DISCHARGES - continued

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq. miles)	PEAK DISCHARGES (cfs)			
		10-PERCENT	2-PERCENT	1-PERCENT	0.2-PERCENT
<b>JULIAN WASH</b>					
Approximately 950 feet upstream of Campbell Avenue	24.9	*	*	3,360	*
Just downstream of Wilmot Road	16.5	*	*	2,270	*
<b>KENNISON WASH</b>					
At Escalante Road	4.43	*	*	2,720	*
At Irvington Road	2.29	*	*	1,575	*
<b>LOS ROBLES WASH</b>					
Downstream of confluence with Blanco Wash	1,340.0	14,500	30,000	37,000	74,000
At Trico Road	1,175.0	14,000	28,000	35,000	70,000
<b>MASSINGALE WASH</b>					
At Massingale Road and Union Pacific Railroad	2.51	*	*	1,178	*
<b>MIDWAY WASH</b>					
At Speedway Boulevard	0.77	*	*	1,178	*
<b>NAVAJO WAS</b> <b>REVISED DATA</b>					
At Oracle Road	3.4	*	*	2,104 <sup>1</sup>	*
At Mountain Avenue	3.0	*	*	3,081	*
<b>NAYLOR WASH</b>					
At Reid Park	1.4	*	*	1,806	*
At Belvedere Avenue	0.8	*	*	1,150	*
<b>OLD WEST BRANCH SANTA CRUZ RIVER</b>					
At confluence with Ajo Wash	35.5	*	*	1,657	*
At confluence with Enchanted Hills Wash	35.5	*	*	3,614	*
At confluence with San Juan Wash	35.5	*	*	5,722	*
<b>OLD WEST BRANCH SANTA CRUZ RIVER – continued</b>					
At confluence with Cholla Wash	35.5	*	*	6,220	*
At confluence with Santa Cruz River	23.6	*	*	6,621	*

<sup>1</sup>Flow reduced due to the existence of storm sewers that intercept a portion of the runoff

\*Data not available

**REVISED TO  
REFLECT LOMR  
EFFECTIVE: November 13, 2015**



REVISED TO REFLECT LOMR EFFECTIVE: November 13, 2015

**FLOOD PROFILES**

**MIDWAY WASH**

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

**72P**

