

Follows Conditional Case No.: 10-09-0118R



# 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)	BRIDGE	FLOODWAY HYDRAULIC ANALYSIS NEW TOPOGRAPHIC DATA
	COMMUNITY NO.: 040073		
IDENTIFIER	Canada Del Oro Wash at La Cholla Blvd LOMR	APPROXIMATE LATITUDE & LONGITUDE: 32.366, -110.012 SOURCE: USGS QUADRANGLE DATUM: NAD 83	
ANNOTATED MAPPING ENCLOSURES		ANNOTATED STUDY ENCLOSURES	
TYPE: FIRM* NO.: 04019C1660L DATE: June 16, 2011		DATE OF EFFECTIVE FLOOD INSURANCE STUDY: September 28, 2012 PROFILE: 46P 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)

Canada del Oro Wash - from approximately 200 feet downstream to approximately 550 feet upstream of La Cholla Boulevard

### SUMMARY OF REVISIONS

Flooding Source	Effective Flooding	Revised Flooding	Increases	Decreases
Canada del Oro Wash	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/nfip>.

Luis Rodriguez, P.E., Chief  
Engineering Management 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 base (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 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



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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 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 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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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
Canada del Oro Wash (continued)								
AA	15,523	256	1,645	13.6	2,297.6	2,297.6	2,297.6	0.0
AB	15,956	245	1,569	14.3	2,303.1	2,303.1	2,303.1	0.0
AC	16,416	259	1,874	12.0	2,308.5	2,308.5	2,308.5	0.0
AD	16,975	265	1,828	12.3	2,312.9	2,312.9	2,312.9	0.0
AE	17,857	229	1,807	12.4	2,319.1	2,319.1	2,319.1	0.0
AF	18,522	262	1,886	12.3	2,323.7	2,323.7	2,323.7	0.0
AG	19,499	230	1,565	14.3	2,331.5	2,331.5	2,331.5	0.0
AH	20,249	273	1,974	11.4	2,339.4	2,339.4	2,339.4	0.0
AI	20,787	256	1,804	12.4	2,343.2	2,343.2	2,343.2	0.0
AJ	21,500	253	1,822	12.3	2,349.1	2,349.1	2,349.1	0.0
AK	22,002	296	1,965	11.4	2,353.2	2,353.2	2,353.2	0.0
AL	22,630	494	2,934	7.6	2,357.8	2,357.8	2,357.8	0.0
AM	23,192	353	1,707	13.2	2,361.8	2,361.8	2,361.8	0.0
AN	23,950	405	2,287	9.0	2,371.2	2,371.2	2,371.5	0.3
AO	24,753	570	2,481	9.4	2,378.5	2,378.5	2,378.6	0.1
AP	25,238	786	3,178	7.1	2,383.8	2,383.8	2,383.9	0.1
AQ	25,603	778	2,871	7.7	2,387.0	2,387.0	2,387.0	0.0
AR	26,242	1,022	3,942	5.6	2,391.7	2,391.7	2,391.8	0.1
AS	26,580	1,121	3,857	5.7	2,393.5	2,393.5	2,393.5	0.0
AT	27,176	1,297	3,449	6.4	2,398.0	2,398.0	2,398.0	0.0
AU	27,836	1,610	4,535	4.9	2,403.6	2,403.6	2,403.7	0.1
AV	28,285	1,675	4,315	5.1	2,406.8	2,406.8	2,406.9	0.1
AW	28,707	1,648	3,871	5.7	2,410.5	2,410.5	2,410.5	0.0
AX	29,293	1,746	4,437	5.0	2,415.4	2,415.4	2,415.4	0.0
AY	30,497	1,160	3,201	6.9	2,426.9	2,426.9	2,426.9	0.0
AZ	31,004	1,003	3,321	6.7	2,431.9	2,431.9	2,431.9	0.0

<sup>1</sup>Feet above mouth

**REVISED TO  
REFLECT LOMR  
EFFECTIVE: August 19, 2015**

**TABLE 8**

FEDERAL EMERGENCY MANAGEMENT AGENCY

**PIMA COUNTY, AZ  
AND INCORPORATED AREAS**

**FLOODWAY DATA**

**CANADA DEL ORO WASH**



