



# Federal Emergency Management Agency

Washington, D.C. 20472

## CONDITIONAL LETTER OF MAP REVISION COMMENT DOCUMENT

COMMUNITY INFORMATION		PROPOSED PROJECT DESCRIPTION	BASIS OF CONDITIONAL REQUEST
COMMUNITY	<b>City of Tucson</b> <b>Pima County</b> <b>Arizona</b>	FILL	1D HYDRAULIC ANALYSIS UPDATED TOPOGRAPHIC DATA
	COMMUNITY NO.: 040076		
IDENTIFIER	Casita Village at La Mariposa	<b>APPROXIMATE LATITUDE &amp; LONGITUDE:</b> 32.243, -110.775 <b>SOURCE:</b> USGS QUADRANGLE <b>DATUM:</b> NAD 83	
AFFECTED MAP PANELS			
TYPE: FIRM*    NO.: 04019C2306M    DATE: September 28, 2012 TYPE: FIRM*    NO.: 04019C2307M    DATE: September 28, 2012		* FIRM - Flood Insurance Rate Map	

### FLOODING SOURCE(S) AND REACH DESCRIPTION

See Page 2 for Additional Flooding Sources

Agua Caliente Wash – From approximately 3,300 feet downstream to approximately 490 feet downstream of Houghton Road.

### PROPOSED PROJECT DESCRIPTION

Flooding Source	Proposed Project	Location of Proposed Project
Agua Caliente Wash	Fill Placement	Along the left overbank, looking downstream, from approximately 2,830 feet downstream to approximately 460 feet downstream of Houghton Road.

### SUMMARY OF IMPACTS TO FLOOD HAZARD DATA

Flooding Source	Effective Flooding	Proposed Flooding	Increases	Decreases
Agua Caliente Wash	BFEs*	BFEs	Yes	Yes
	No BFEs	BFEs	Yes	None
	Zone AE	Zone AE	Yes	Yes
	Zone X (shaded)	Zone X (shaded)	Yes	Yes
	Zone A	Zone AE	None	Yes

\* BFEs - Base (1-percent-annual-chance) Flood Elevations

### COMMENT

This document provides the Federal Emergency Management Agency's (FEMA's) comment regarding a request for a CLOMR for the project described above. This document is not a final determination; it only provides our comment on the proposed project in relation to the flood hazard information shown on the effective National Flood Insurance Program (NFIP) map. We reviewed the submitted data and the data used to prepare the effective flood hazard information for your community and determined that the proposed project meets the minimum floodplain management criteria of the NFIP. Your community is responsible for approving all floodplain development and for ensuring that all permits required by Federal or State/Commonwealth law have been received. State/Commonwealth, county, and community officials, based on their knowledge of local conditions and in the interest of safety, may set higher standards for construction in the Special Flood Hazard Area (SFHA), the area subject to inundation by the base flood). If the State/Commonwealth, county, or community has adopted more restrictive or comprehensive floodplain management criteria, these criteria take precedence over the minimum NFIP criteria.

This comment is based on the flood data presently available. If you have any questions about this document, please contact the FEMA Mapping and Insurance eXchange (FMIX) toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Avenue, Suite 500, Alexandria, VA 22304-6426. Additional Information about the NFIP is available on the FEMA website at <https://www.fema.gov/flood-insurance>.

Patrick "Rick" F. Sacbbit, P.E., Branch Chief  
Engineering Services Branch  
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## CONDITIONAL LETTER OF MAP REVISION COMMENT DOCUMENT (CONTINUED)

### COMMUNITY INFORMATION (CONTINUED)

### ADDITIONAL FLOODING SOURCES AFFECTED BY THIS CONDITIONAL REQUEST

#### FLOODING SOURCE(S) AND REACH DESCRIPTION

Tanque Verde Creek – From approximately 3,740 feet downstream to approximately 100 feet downstream of Houghton Road.

#### PROPOSED PROJECT DESCRIPTION

Flooding Source	Proposed Project	Location of Proposed Project
Tanque Verde Creek	Fill Placement	Along the right overbank, looking downstream, from approximately 720 feet downstream to approximately 100 feet downstream of Houghton Road.

#### SUMMARY OF IMPACTS TO FLOOD HAZARD DATA

Flooding Source	Effective Flooding	Proposed Flooding	Increases	Decreases
Tanque Verde Creek	BFEs*	BFEs	Yes	Yes
	Zone AE	Zone AE	Yes	Yes
	Zone X (shaded)	Zone X (shaded)	Yes	Yes
	Zone A	Zone AE	None	Yes
	No BFEs	BFEs	Yes	None

\* BFEs - Base (1-percent-annual-chance) Flood Elevations

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### COMMUNITY INFORMATION

To determine the changes in flood hazards that will be caused by the proposed project, we compared the hydraulic modeling reflecting the proposed project (referred to as the proposed conditions model) to the hydraulic modeling used to prepare the Flood Insurance Study (FIS) (referred to as the effective model). If the effective model does not provide enough detail to evaluate the effects of the proposed project, an existing conditions model must be developed to provide this detail. This existing conditions model is then compared to the effective model and the proposed conditions model to differentiate the increases or decreases in flood hazards caused by more detailed modeling from the increases or decreases in flood hazards that will be caused by the proposed project.

The table below shows the changes in the BFEs:

BFE Comparison Table

Flooding Source: Agua Caliente Wash		BFE Change (feet)	Location of maximum change
Existing vs. Effective	Maximum increase	0.2	At approximately 2,110 feet downstream of Houghton Road.
	Maximum decrease	0.4	At approximately 510 feet downstream of Houghton Road.
Proposed vs. Existing	Maximum increase	None	Not Applicable.
	Maximum decrease	None	Not Applicable.
Proposed vs. Effective	Maximum increase	0.2	At approximately 2,110 feet downstream of Houghton Road.
	Maximum decrease	0.4	At approximately 510 feet downstream of Houghton Road.
Flooding Source: Tanque Verde Creek		BFE Change (feet)	Location of maximum change
Existing vs. Effective	Maximum increase	0.6	At approximately 1,630 feet downstream of Houghton Road.
	Maximum decrease	0.1	At approximately 160 feet downstream of Houghton Road.
Proposed vs. Existing	Maximum increase	None	Not Applicable.
	Maximum decrease	None	Not Applicable.
Proposed vs. Effective	Maximum increase	0.6	At approximately 1,630 feet downstream of Houghton Road.
	Maximum decrease	0.1	At approximately 160 feet downstream of Houghton Road.

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### CONDITIONAL LETTER OF MAP REVISION COMMENT DOCUMENT (CONTINUED)

#### COMMUNITY INFORMATION (CONTINUED)

##### DATA REQUIRED FOR FOLLOW-UP LOMR

Upon completion of the project, your community must submit the data listed below and request that we make a final determination on revising the effective FIRM and FIS report. If the project is built as proposed and the data below are received, a revision to the FIRM and FIS report would be warranted.

- Form 1, entitled "Overview & Concurrence Form". Detailed application and certification forms must be used for requesting final revisions to the maps. Therefore, when the map revision request for the area covered by this letter is submitted, Form 1 must be included. If as-built conditions differ from the proposed plans, please submit new forms, which may be accessed at <https://www.fema.gov/flood-maps/change-your-flood-zone/paper-application-forms/mt-2>, or annotated copies of the previously submitted forms showing the revised information.
- Form 2, entitled "Riverine Hydrology & Hydraulics Form"
- Hydraulic analyses, for as-built conditions, of the base flood; the 10-percent, 2-percent, and 0.2 percent annual chance floods; and the regulatory floodway, together with a topographic work map showing the revised floodplain and floodway boundaries. Please ensure that the revised information ties in with the current effective information at the downstream and upstream ends of the revised reach.
- An annotated copy of the FIRM, at the scale of the effective FIRM, that shows the revised floodplain and floodway boundary delineations shown on the submitted work map and how they tie into the floodplain and floodway boundary delineations shown on the current effective FIRM at the downstream and upstream ends of the revised reach.
- As-built plans, certified by a registered professional engineer, of all proposed project elements.
- Documentation of the individual legal notices sent to property owners who will be affected by any widening/shifting of the base floodplain and/or any BFE increases along Agua Caliente Wash and Tanque Verde Creek.

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### CONDITIONAL LETTER OF MAP REVISION COMMENT DOCUMENT (CONTINUED)

#### COMMUNITY INFORMATION (CONTINUED)

• FEMA's fee schedule for reviewing and processing requests for conditional and final modifications to published flood information and maps may be accessed at <https://www.fema.gov/flood-maps/change-your-flood-zone/status/flood-map-related-fees>. The fee at the time of the map revision submittal must be received before we can begin processing the request. Payment of this fee can be made through a check or money order, made payable in U.S. funds to the National Flood Insurance Program, or by credit card (Visa or MasterCard only). Please forward the payment, along with the revision application, to the following address:

LOMC Clearinghouse  
3601 Eisenhower Avenue, Suite 500  
Alexandria, VA 22304-6426

After receiving appropriate documentation to show that the project has been completed, FEMA will initiate a revision to the FIRM and FIS report. Because the flood hazard information (i.e., base flood elevations, base flood depths, SFHAs, zone designations, and/or regulatory floodways) will change as a result of the project, a 90-day appeal period will be initiated for the revision, during which community officials and interested persons may appeal the revised flood hazard information based on scientific or technical data.

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## CONDITIONAL LETTER OF MAP REVISION COMMENT DOCUMENT (CONTINUED)

### COMMUNITY INFORMATION (CONTINUED)

#### COMMUNITY REMINDERS

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:

Kathryn Lipiecki  
Director, Mitigation Division  
Federal Emergency Management Agency, Region IX  
1111 Broadway, Suite 1200  
Oakland, CA 94607-4052  
(510) 627-7211

Although a portion of the proposed area of revision is shown on the effective FIRM as located within the Unincorporated Areas of Pima County, this area has been annexed by the City of Tucson.

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