



# 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 Scottsdale</b> <b>Maricopa County</b> <b>Arizona</b>	CULVERT DETENTION BASIN	2D HYDRAULIC ANALYSIS HYDROLOGIC ANALYSIS UPDATED TOPOGRAPHIC DATA
	COMMUNITY NO.: 045012		
IDENTIFIER	Granite Reef Wash Conditional Letter of Map Revision (CLOMR)	<b>APPROXIMATE LATITUDE &amp; LONGITUDE:</b> 33.467, -111.897 <b>SOURCE:</b> USGS QUADRANGLE <b>DATUM:</b> NAD 83	
<b>AFFECTED MAP PANELS</b>			
TYPE: FIRM*    NO.: 04013C2235M    DATE: September 18, 2020		* FIRM - Flood Insurance Rate Map	

### FLOODING SOURCE AND REACH DESCRIPTION

Granite Reef Wash – From just upstream of East McKellips Road to approximately 1,000 feet upstream of East Thomas Road.

### PROPOSED PROJECT DESCRIPTION

Flooding Source	Proposed Project	Location of Proposed Project
Granite Reef Wash	New Detention Basin	From approximately 80 feet to 530 feet upstream of East Thomas Road.
	New (13'x7.5') Culvert	At approximately 1,310 feet downstream of East Roosevelt Street.
	New (10'x6' CBC) Storm Drain	From approximately 1,120 feet downstream to approximately 220 feet upstream of East Roosevelt Street.

### SUMMARY OF IMPACTS TO FLOOD HAZARD DATA

Flooding Source	Effective Flooding	Proposed Flooding	Increases	Decreases
Granite Reef Wash	BFEs*	BFEs	None	Yes
	Zone AE	Zone AE	None	Yes
	Zone X (shaded)	Zone X (shaded)	None	None

\* 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. Sacbibit, P.E., Branch Chief  
 Engineering Services Branch  
 Federal Insurance and Mitigation Administration



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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 AND REACH DESCRIPTION

Granite Reef Wash – From just upstream of East McKellips Road to approximately 1,000 feet upstream of East Thomas Road.

#### PROPOSED PROJECT DESCRIPTION

Flooding Source	Proposed Project	Location of Proposed Project
Granite Reef Wash	New (48") Storm Drain	From approximately 260 feet to approximately 1,600 feet upstream of East Roosevelt Street.
	New (96") Storm Drain	From approximately 260 feet to approximately 1,670 feet upstream of East Roosevelt Street.
	New (108") Storm Drain	From approximately 990 feet downstream to just downstream of East McDowell Road.
	New (48") Storm Drain	From approximately 60 feet downstream to 1,250 feet upstream of East McDowell Road.
	New (72") Storm Drain	From approximately 820 feet upstream to 1,020 feet upstream of East McDowell Road.
	New (90") Storm Drain	From approximately 1,020 feet upstream to 1,830 feet upstream of East McDowell Road.
	New (84") Storm Drain	From approximately 1,830 feet upstream to 2,050 feet upstream of East McDowell Road.
	New (72") Storm Drain	From approximately 330 feet upstream of East Hubbell Street to East Oak Street.
	New (60") Storm Drain	From East Oak Street to approximately 540 feet upstream.
	New (48") Storm Drain	From approximately 540 feet upstream of East Oak Street to East Thomas Road.
	New (42") Storm Drain	At East Thomas Road.
New (54") Storm Drain	From just downstream of East Thomas Road to approximately 900 feet upstream.	

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

**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: Granite Reef Wash		BFE Change (feet)	Location of maximum change
Existing vs. Effective	Maximum increase	None	Not Applicable
	Maximum decrease	1.3	At approximately 220 feet upstream of East Belleview Street.
Proposed vs. Existing	Maximum increase	0.5	At approximately 100 feet upstream of West 6th Street.
	Maximum decrease	2.8	At approximately 220 feet upstream of East Belleview Street.
Proposed vs. Effective	Maximum increase	None	Not Applicable
	Maximum decrease	4.1	At approximately 220 feet upstream of East Belleview Street.

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.

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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"
- Form 3, entitled "Riverine Structures Form"
- Hydraulic analyses, for as-built conditions, of the base flood; the 10-percent, and 2-percent-annual chance floods together with a topographic work map showing the revised floodplain 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 boundary delineations shown on the submitted work map and how they tie into the floodplain 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 Granite Reef Wash.

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

### COMMUNITY INFORMATION (CONTINUED)

- An officially adopted maintenance and operation plan for the Pima Park Detention Basin . This plan, which may be in the form of a written statement from the community Chief Executive Officer, an ordinance, or other legislation, must describe the nature of the maintenance activities, the frequency with which they will be performed, and the title of the local community official who will be responsible for ensuring that the maintenance activities are accomplished.
- 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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### 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

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