



# Federal Emergency Management Agency

Washington, D.C. 20472

October 2, 2019

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Mr. C.R. Bud Motsinger  
Presiding Commissioner  
Caldwell County Commissioners  
49 East Main  
P.O. Box 67  
Kingston, MO 64650

IN REPLY REFER TO:

Case No.: 19-07-0871R  
Community Name: Caldwell County, MO  
Community No.: 290788

Dear Mr. Motsinger:

We are providing our comments with the enclosed Conditional Letter of Map Revision (CLOMR) on a proposed project within your community that, if constructed as proposed, could revise the effective Flood Insurance Study report and Flood Insurance Rate Map for your community.

If you have any questions regarding the floodplain management regulations for your community, the National Flood Insurance Program (NFIP) in general, or technical questions regarding this CLOMR, please contact the Director, Mitigation Division of the Federal Emergency Management Agency (FEMA) Regional Office in Kansas City, MO, at (816) 283-7003, or the FEMA Map Information eXchange (FMIX) 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,

Patrick "Rick" F. Sacbbit, P.E., Branch Chief  
Engineering Services Branch  
Federal Insurance and Mitigation Administration

List of Enclosures:

Conditional Letter of Map Revision Comment Document

cc: Mr. Colt Arnold  
Planning and Zoning Administrator  
Caldwell County

Ms. Karen McHugh, CFM  
State NFIP Coordinator  
Missouri State Emergency Management Agency

Mr. Chad Johnson, P.E., CFM  
Vice President  
Olsson Associates, Inc.



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## CONDITIONAL LETTER OF MAP REVISION COMMENT DOCUMENT

COMMUNITY INFORMATION		PROPOSED PROJECT DESCRIPTION	BASIS OF CONDITIONAL REQUEST
COMMUNITY	Caldwell County Missouri (Unincorporated Areas)	FILL DAM	HYDRAULIC ANALYSIS HYDROLOGIC ANALYSIS UPDATED TOPOGRAPHIC DATA WEIR-DAM CHANGES
	COMMUNITY NO.: 290788		
IDENTIFIER	Little Otter Creek Watershed Protection and Flood Prevention Project	APPROXIMATE LATITUDE & LONGITUDE: 39.709, -93.945 SOURCE: USGS QUADRANGLE DATUM: NAD 83	
AFFECTED MAP PANELS			
TYPE: FIRM* NO.: 29025C0175B DATE: June 16, 2015		* FIRM - Flood Insurance Rate Map	

### FLOODING SOURCE(S) AND REACH DESCRIPTION

See Page 2 for Additional Flooding Sources

Little Otter Creek - From just upstream of NE State Route U to just downstream of U.S. Route 36

### PROPOSED PROJECT DESCRIPTION

Flooding Source	Proposed Project	Location of Proposed Project
Little Otter Creek	New Dam	At approximately 1,340 feet upstream of NE Jefferson Drive
	Fill Placement	At approximately 1,340 feet upstream of NE Jefferson Drive

### SUMMARY OF IMPACTS TO FLOOD HAZARD DATA

Flooding Source	Effective Flooding	Proposed Flooding	Increases	Decreases
Little Otter Creek	Zone A	Zone A	Yes	Yes

### 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 Map Information 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 <http://www.fema.gov/nfip>.

Patrick "Rick" F. Sacibit, 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(S) AND REACH DESCRIPTION**

Little Otter Creek Tributary 1 – From the confluence with Little Otter Creek to just downstream of U.S. Route 36

**PROPOSED PROJECT DESCRIPTION**

Flooding Source	Proposed Project	Location of Proposed Project
Little Otter Creek Tributary 1	None	N/A

**SUMMARY OF IMPACTS TO FLOOD HAZARD DATA**

Flooding Source	Effective Flooding	Proposed Flooding	Increases	Decreases
Little Otter Creek Tributary 1	Zone A	Zone A	Yes	Yes

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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 reflecting the existing conditions.

The table below shows the changes in the base flood water-surface elevations (WSELs).

Base Flood WSEL Comparison Table

Flooding Source: Little Otter Creek		Base Flood WSEL Change (feet)	Location of maximum change
Proposed vs. Existing	Maximum increase	52.6	At approximately 1,430 feet upstream of NE Jefferson Drive
	Maximum decrease	9.96	At approximately 1,030 feet upstream of NE Jefferson Drive

  

Flooding Source: Little Otter Creek Tributary 1		Base Flood WSEL Change (feet)	Location of maximum change
Proposed vs. Existing	Maximum increase	15.5	At approximately 160 feet upstream of the confluence with Little Otter Creek
	Maximum decrease	0.3	At approximately 1,860 feet downstream of U.S. Route 36

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COMMENT DOCUMENT (CONTINUED)**

**COMMUNITY INFORMATION (CONTINUED)**

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 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 [http://www.fema.gov/plan/prevent/fhm/dl\\_mt-2.shtm](http://www.fema.gov/plan/prevent/fhm/dl_mt-2.shtm), 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 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 establishment along Little Otter Creek and Little Otter Creek Tributary 1

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

**COMMUNITY INFORMATION (CONTINUED)**

- An officially adopted maintenance and operation plan for Caldwell County. 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 [http://www.fema.gov/plan/prevent/fhm/firm\\_fees.shtm](http://www.fema.gov/plan/prevent/fhm/firm_fees.shtm). 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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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:

Mr. Michael R. Scott  
Director, Mitigation Division  
Federal Emergency Management Agency, Region VII  
9221 Ward Parkway, Suite 300  
Kansas City, MO 64114-3372  
(816) 283-7003

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