



NATIONAL FLOOD INSURANCE PROGRAM

FEMA PRODUCTION AND TECHNICAL SERVICES CONTRACTOR

September 9, 2022

Chris Hittle, P.E., CFM
Goodwin and Marshall, Inc.
2405 Mustang Drive
Grapevine, TX 76051

IN REPLY REFER TO:

Case No.: 22-06-2510P
Community: City of Albuquerque, and
Bernalillo County, New Mexico
Community No.: 350002 and 350001

316-AD

Dear Chris Hittle:

This responds to your request dated July 27, 2022, that the Department of Homeland Security's Federal Emergency Management Agency (FEMA) issue a revision to the Flood Insurance Rate Map (FIRM) for the above-referenced communities. Pertinent information about the request is listed below.

Identifier:	Juan Tabo Hills
Flooding Source:	Tijeras Arroyo
FIRM Panel(s) Affected:	35001C0366H and 35001C0367H


The data required to complete our review, which must be submitted within 90 days of the date of this letter, are listed on the attached summary.

If we do not receive the required data within 90 days, we will suspend our processing of your request. Any data submitted after 90 days will be treated as an original submittal and will be subject to all submittal/payment procedures, including the flat review and processing fee for requests of this type established by the current fee schedule. The fee schedule is available for your information on the FEMA website at <https://www.fema.gov/flood-maps/change-your-flood-zone/status/flood-map-related-fees>.

FEMA receives a very large volume of requests and cannot maintain inactive requests for an indefinite period of time. Therefore, we are unable to grant extensions for the submission of required data/fee for revision requests. If a requester is informed by letter that additional data are required to complete our review of a request, the data/fee **must** be submitted within 90 days of the date of the letter. Any fees already paid will be forfeited if the requested data are not received within 90 days.

If you have general questions about your request, FEMA policy, or the National Flood Insurance Program (NFIP), please contact the FEMA Mapping and Insurance eXchange (FMIX), toll free, at 1-877-FEMA MAP (1-877-336-2627). If you have specific questions concerning your request, please contact your case reviewer, Dana Peterson, P.E., CFM, by e-mail at dana.peterson1@aecom.com or by telephone at (505) 539-0410, or the Revisions Coordinator for your state, Mr. Bosulu Lokulutu, E.I.T, CFM, by e-mail at bosulu.lokulutu@aecom.com or by telephone at (972) 735-7093.

Sincerely,

A handwritten signature in black ink, appearing to read "Benjamin Kaiser", enclosed within a hand-drawn oval.

Benjamin Kaiser, P.E., CFM
Revisions Manager
Compass PTS JV

Attachment:

Summary of Additional Data
Legal Notification Templates

cc: Renee Brissette, P.E., CFM
Floodplain Administrator
City of Albuquerque

Tiequan Chen, P.E., CFM
Floodplain Administrator
Bernalillo County



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Summary of Additional Data Required to Support a Letter of Map Revision (LOMR)

Case No.: 22-06-2510P

Requester: Chris Hittle, P.E., CFM

Community: City of Albuquerque, NM and
Bernalillo County, New Mexico

Community No.: 350002 and 350001

The issues listed below must be addressed before we can continue the review of your request.

1. Our review of MT-2 Application/Certification Form 1, entitled "Overview and Concurrence Form," revealed that Bernalillo County was not included in Section B. Please submit a copy of Form 1 where all communities have been included.
2. Our review of the submitted hydraulic models revealed that the datum shift was not correctly applied to the known water surfaces on the upstream boundary condition. Please resubmit the hydraulic models with this datum shift correctly applied at the upstream and downstream boundary conditions.
3. Our review revealed that there are increases in the 1-percent-annual-chance (base) flood elevations (BFEs) when we compare the post-project conditions model with the pre-project conditions model and the proposed conditions as approved in CLOMR 16-06-2447R. Paragraph 60.3 (d)(3) of the National Flood Insurance Program (NFIP) regulations prohibits encroachments within the adopted regulatory floodway, including fill, new construction, substantial improvements, and other development, unless it has been demonstrated that the proposed encroachment would not result in any increases in flood levels within the community during the base flood. Please review these cross sections carefully. If your analysis reveals that increases do not occur, please submit a revised pre-project and/or post-project conditions hydraulic model demonstrating that no increases occur.
4. Our review revealed that the channel bank stations along the shotcrete bank protection at Cross Sections 3.5, 4, 5, 6, 8, and 10 are located at the bottom of the section along the left bank, but are at the top of the section at Cross Sections 3 and 15. Channel banks, and associated Manning's "n" values, should be consistent along the face of the bank protection. Please review these cross sections and either revise the channel bank stations to be consistently placed or provide an explanation for why these channel bank stations were chosen.
5. Our review revealed negative surcharges in the floodway analysis at Cross Section 46. In the floodway analysis, please ensure that the surcharges do not exceed the 1.0-foot maximum allowed and there are no surcharges that are less than 0.0 feet.
6. A detailed review of the hydraulic model will be performed upon receipt of the revised model. Please ensure the modeled top widths, base flood elevations, and reach lengths for the 1-percent, 0.2-percent, and floodway intervals match those values presented in the topographic work map.

7. Please provide a topographic work map, certified by a registered Professional Engineer (P.E.), for the entire requested area of revision that reflects all applicable items listed on page 2, Section C, of Application/Certification Form 2, entitled "Riverine Hydrology & Hydraulics Form," including those items listed below. Please show this information on a map of suitable scale and topographic definition to provide reasonable accuracy. All items should be labeled for easy cross-referencing to the submitted existing conditions hydraulic model. Please ensure that the topographic maps reference the vertical datum such as the North American Vertical Datum of 1988 (NAVD88).
 - a. Please show the boundary delineations of the revised conditions base floodplain, 0.2-percent-annual-chance floodplain, and regulatory floodway for the entire length of the revised area on both sides of the arroyo. Breaking the LOMR request into two revised areas is acceptable, but within each revised area, the revised boundaries should be continuously shown on both banks for the entire length of the revision, even when overlapping the effective boundaries.
 - b. Please label the post-project topographic contour information used for the boundary delineations of the base floodplain and 0.2-percent-annual-chance floodplain. Please ensure that enough contours are labeled so that the floodplain delineations can be verified.
 - c. In the vicinity of Cross Section 46 and the Juan Tabo Hills Bridge, please label and show the pre-project and post-project topographic contour information used for the boundary delineations of the base floodplain and 0.2-percent-annual-chance floodplain. Please ensure that enough contours are labeled so that the floodplain delineations can be verified.
 - d. Please reference the vertical datum.
8. To assist our review and to expedite processing of this request, please provide digital Computer-Aided Design (CAD) or Geographic Information System (GIS) data that reflect the revised topographic work map. Please ensure the digital data are spatially referenced and cite what projection (coordinate system, example: Universal Transverse Mercator [UTM]/State Plane) was used, so that the data may be used for accurate mapping. The important data to show on the digital work map are the contour information, the stream centerline, the cross section lines, the road crossings and hydraulic structures, the preliminary and proposed flood hazard delineations, and the tie-in locations. Everything should be clearly labeled and all information should be contained within the drawing and not externally referenced. Please note that the submitted files were missing projection (.prj), attribute data, pre- and post-project contours, streamline, and cross section data.
9. Please submit a copy of the newspaper notice distributed by the City of Albuquerque and Bernalillo County stating their intent to revise the flood hazard information (i.e., revise or establish base flood elevations [BFEs], the base floodplain, and regulatory floodway) along the Tijeras Arroyo. The notification must be published in a printed newspaper and not in a digital only publication. Alternatively, please submit documentation that individual legal notices were sent to all the property owners affected by any changes in the flood hazard information. Documentation of legal notice may take the form of a signed copy of the letter sent and either a mailing list or certified mailing receipts. Individual notices that are not sent on community letterhead must also include certification from the community that all affected property owners have been notified of the floodway revision. The newspaper notice or the individual legal notices must include the extent of revision and contact information for any interested parties and must also mention the community's intent to revise the regulatory floodway. **Please submit a draft copy of the notification for verification of content, prior to publication or distribution.** One of the attached templates may be used to prepare the draft notification. If you choose newspaper notification, please coordinate with the community's Floodplain Administrator to ensure that the notification can be done through newspaper notice because the community's preference may be to deliver the notifications

via individual legal notices. Under the NFIP, it is the community's responsibility to coordinate and inform their local constituents about the flood hazard changes so the delivery method should be the community's choice.

Please send the required data to:

LOMC Clearinghouse
Attention: LOMR Manager
3601 Eisenhower Avenue, Suite 500
Alexandria, VA 22304-6426

For identification purposes, please include the case number referenced above on all correspondence.