



Richard J. Berry, Mayor

October 16, 2017

Vince Steiner, P.E.
Bohannon Houston Inc.
7500 Jefferson St. NE Courtyard 1
Albuquerque NM 87109

**RE: Del Web @ Mirehaven Arroyo LOMR Request
Engineer's Stamp Missing – Not Approved
Hydrology File: (H09D017D)**

Dear Mr. Steiner,

Based on the information provided in your LOMR Request received 10/12/17, the above referenced LOMR Request cannot be approved until the following comments are addressed.

1. The request should be bound in a three ring binder so that additional information if requested by FEMA can be easily inserted. The binder should have pockets in the front and back also for additional data.
2. Sheet 2 of the Topo Work Map is missing, so that part of the request could not be reviewed.
3. The Revised SFHA Boundary on the Annotated FIRM should not include any revisions below Tierra Pintada St. The arroyo below Tierra Pintada is under construction as part of the Stormcloud subdivision construction. That separate development will provide a separate LOMR after that construction is complete. This should be added to the explanation on the forms and the Annotated FIRM should be revised accordingly.
4. Provide full sized plots of the annotated FIRMs.
5. Provide digital copies of the Annotated FIRMs, the Topo Work Maps and the HEC-RAS Models on a CD or flash drive enclosed in the three ring binder. Digital files should consist of both PDF files, and the basic software files such as HEC-RAS and ACAD. A PDF copy of the entire request should also be on the CD.
6. Form 2.A.1 "changed condition" should not be checked.
7. Form 1.B.5.B "fill" should also be checked.
8. Form 1.D "Community Official" information should be filled in. The Community Official's signature indicates a certification that ESA compliance has been achieved, so please include documentation of ESA compliance in the LOMR request.

PO Box 1293

Albuquerque

NM 87103

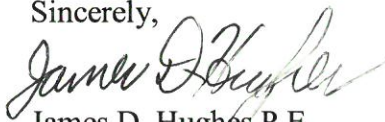
www.cabq.gov

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9. Form 2.B.4 should include "Duplicate Effective" and "Corrected Effective Models" obtained from FEMA. Use a data request form to obtain the downstream models. Models of the existing predevelopment conditions in the AO zones will not be required by the City of Albuquerque but they may be required by FEMA. The river stationing used should agree with previous approved FEMA studies. Current effective models should be requested from FEMA and included in the analysis. There are two other studies downstream of this one, Stormcloud LOMR and the currently mapped AE zone that that study ties into. This study should assume that the Stormcloud construction will be completed according to the CLOMR for that development as the starting downstream condition.
10. The annotated FIRM needs more specific labels added. The portion of the revised floodplain that is contained by the shotcrete bank protection should be changed from an AO zone to an AE zone with BFE contours labeled near the top and toe of each grade control structure. The portion upstream of the shotcrete should still be mapped as an AO zone due to its erosive shifting nature.
11. The BFE should be based on subcritical depth. Please revise the HEC-RAS model and all profiles and exhibit to reflect the subcritical elevations. There are too many abrupt changes in channel geometry to assume that any portion of the flow is supercritical.
12. Additional comments may be made after the city is given the opportunity to review the missing and revised information listed above.
13. The erosion noted during the final inspection must be repaired prior to the City acceptance of the improvements and prior to submitting this LOMR Request to FEMA.

If you have any questions, please contact me at 924-3986 or jhughes@cabq.gov.

Sincerely,



James D. Hughes P.E.
Principal Engineer, Planning Dept.
Development Review Services