



June 21, 2018

LOMC Clearinghouse
3601 Eisenhower Avenue, Suite 500
Alexandria, VA 22304-6426
Attn: Hernan Rodriguez or Benjamin Kaiser

**RE: Response to Comments
LOMR Request for Mirehaven Arroyo A
Case No. 18-06-1705P**

Dear Mr. Rodriguez,

Thank you for your help with my questions. A copy of the revised LOMR request is attached to the submittal. We have addressed your comments in the following manner:

1. Our review revealed that the submitted application did not include a duplicate effective, corrected effective, and existing conditions hydraulic model. Please submit an executable duplicate effective, corrected effective, and existing conditions HEC-RAS hydraulic model for Mirehaven Arroyo A.

I have added the duplicate effective, modified effective and existing conditions models to the LOMR report and provide copies of the HEC-RAS models. Please see pages 5 through 7 of the report and Appendices B, C, and D, respectively.

2. Our review revealed that Page 4 of the approved Conditional Letter of Map Revision (CLOMR) Case No. 13-06-4693R requested an officially adopted maintenance and operation plan for the Unnamed Pond. Please submit an Operations and Maintenance Plan for the Unnamed Pond that has been officially adopted by the City of Albuquerque. 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.

Per our conversation, there is no ponding that is related to this LOMR request. There is an offsite, private water quality pond, but it does not relate to the floodplain.

3. Our review revealed that the submitted As-Built plans did not specify a vertical datum. Please confirm the vertical datum such as the North American Vertical Datum of 1988 (NAVD 88).

The datum is NAVD 88. I have highlighted a few places in the as-built plans to make the notations easier to identify.

4. Our review revealed that the post-project conditions hydraulic model was run using the mixed flow regime. The Department of Homeland Security's Federal Emergency Management Agency (FEMA) accepts 1-percent-annual-chance (base) floodplain boundary delineations based on supercritical flow depths only for concrete-lined, engineered channels. The submitted post-project conditions HEC-RAS model shows drawdowns at various locations along the revised reach. It was noted that a subcritical flow regime could help alleviate the drawdowns.

Per our conversation, the mixed flow regime was part of the approved CLOMR.

5. Our review revealed that the submitted topographic work map entitled "Mirehaven Arroyo at Stormcloud," prepared by Isaacson & Arfman, P.A, dated February 28, 2018, did not include a reference to a vertical datum such as the NAVD 88. Please submit a revised certified topographic work map that includes a reference to a vertical datum.

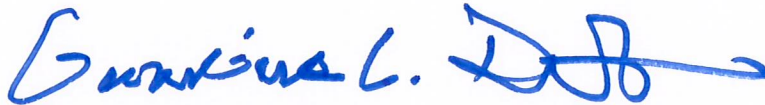
A callout for the vertical datum was added to the topographic work map. Please see Appendix A.

6. 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 crosssection lines, the road crossings and hydraulic structures, effective 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.

A CAD version of the topographic work map and revised FIRM Panels are included with this submittal.

If you have any questions for which I can help provide clarification, please feel free to contact me at 505-268-8842 or gennyd@iacivil.com

Sincerely,
Isaacson & Arfman, PA



Genevieve L. Donart, PE
GLD/gld

Attachments

cc: Mr James D. Hughes, PE, City of Albuquerque Floodplain Manager
Mr. Kevin Patton, PE, Pulte Homes
Mr. Brent Lesley, D.R. Horton