



NATIONAL FLOOD INSURANCE PROGRAM

FEMA PRODUCTION AND TECHNICAL SERVICES CONTRACTOR

July 27, 2010

Mr. Michael D. Lucas, P.E.
Aqua Terra Engineering Consultants, LLC
2249 Ridge Road
Rockwall, TX 75087

IN REPLY REFER TO:
Case No.: 10-06-2180P
Community: City of Rockwall, TX
Community No.: 480547

316-AD

Dear Mr. Lucas:

This responds to your request dated March 30, 2010, that the Department of Homeland Security's Federal Emergency Management Agency (FEMA) issue a revision to the Flood Insurance Rate Map (FIRM) for Rockwall County, TX, and incorporated areas. Pertinent information about the request is listed below.

Identifier:	The Preserve
Flooding Sources:	Stream 3, Tributary D, Tributary E, and Tributary F
FIRM Panels Affected:	48397C 0030L and 48397C 0040L

The data required to complete our review, which must be submitted within 90 days of the date of this letter, are listed on the enclosed 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. A copy of the notice summarizing the current fee schedule, which was published in the *Federal Register*, is enclosed for your information.

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 for revision requests. If a requester is informed by letter that additional data are required to complete our review of a request, the data **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, please contact the FEMA Map Information 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, Ms. Namrata Batra, Ph.D., CFM, by e-mail at namrata_batra@urscorp.com or by telephone at (301) 670-3365, or the Revisions Coordinator for your State, Mr. Naresh Baliya, P.E., CFM, at naresh_baliya@urscorp.com or at (301) 258-5954.

Sincerely,



Jonica Gibson, P.E., CFM
LOMC Manager
Risk Assessment, Mapping,
and Planning Partners

Enclosures:

Summary of Additional Data

cc: Mr. Bruce Hanby
Floodplain Administrator
City of Rockwall

Mr. Chuck Todd, P.E.
City Engineer
City of Rockwall



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

Case No.: 10-06-2180P

Requester: Mr. Michael D. Lucas, P.E.

Community: City of Rockwall, TX

Community No.: 480547

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

- 1) Typically, a contraction coefficient of 0.1 and an expansion coefficient of 0.3 should be used at cross-sections that are not at structures. Please revise the submitted hydraulic model so that the contraction and expansion loss coefficients are equal to 0.1 and 0.3, respectively, at Cross-Sections 6945.06 and 5189 along Stream 3 and at Cross-Sections 68, 77, and 257 along Tributary D.
- 2) According to Table 6.3 and Table 6.4 of the *HEC-RAS Hydraulic Reference Manual*, the culvert entrance loss coefficient for a culvert entrance shape of 30 to 75 degree flared wing wall is equal to 0.4, and the exit loss coefficient is equal to 1. Please revise the submitted hydraulic model at Cross-Sections 6970 and 6920 to agree with the culvert entrance and exit loss coefficients shown in the *HEC-RAS Hydraulic Reference Manual* tables, or provide an explanation why the entrance and exit loss coefficients used in the model were chosen.
- 3) Please submit documentation of the individual legal notices that were sent to property owners affected by any increases in width or shifting of the floodplain of the flood having a base (1-percent-annual-chance) flood. Legal notice may take the form of certified mailing receipts or certification that all property owners have been notified, with an accompanying mailing list and a copy of letter sent. Example of individual notice can be found on page 16 of the instructions for the MT-2 application forms, which may be accessed at http://www.fema.gov/pdf/fhm/mt2_inst.pdf

Please send the required data to:

FEMA LOMC Clearinghouse
6730 Santa Barbara Court
Elkridge, MD 21075

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