NATIONAL FLOOD INSURANCE PROGRAM

FEMA PRODUCTION AND TECHNICAL SERVICES CONTRACTOR

August 5, 2022

Scott Prins, P.E.
River Engineer
River Restoration
P.O. Box 248
Carbondale, CO 81623

IN REPLY REFER TO:
Case No.: 22-05-2150R
Community: City of Grand Rapids, MI
Community No.: 260106

316-AD

Dear Scott Prins:

This responds to your request dated May 12, 2022, that the Department of Homeland Security's Federal Emergency Management Agency (FEMA) issue a conditional revision to the Flood Insurance Rate Map (FIRM) for Kent County, Michigan (All Jurisdictions). Pertinent information about the request is listed below.

Identifier:	Grand River Revitalization Lower Reach Project
Flooding Source:	Grand River
FIRM Panels Affected:	26081C0402E, 26081C0404E, 26081C0406E, and 26081C0408E

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.

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.

If you have general questions about your request, FEMA policy, or the National Flood Insurance Program, please call 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, Ms. Christine Moore, by e-mail at christine.moore@stantec.com or by telephone at (301) 982-2864, or the Revisions Coordinator for your request, Ms. Sonal Kulkarni, at sonal.kulkarni@stantec.com or at (240) 542-3102.

Sincerely,

Alex Haptemariam, P.E., CFM
MT-2 Process Manager
STARR II

cc: Tim Burkman
City Engineer
City of Grand Rapids

Jason Carey, P.E.
Principal River Engineer
River Restoration

Matthew Occhipinti, P.E., CFM
State NFIP Coordinator
Michigan Dept. of Env., Great Lakes & Energy

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

Case No.: 22-05-2150R

Requester: Scott Prins, P.E.

Community: City of Grand Rapids, MI

Community No.: 260106

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

1. The submitted topographic work maps were not certified by a registered professional engineer. Please submit certified copies of the work maps.

2. Our review revealed surcharges greater than 0.10 foot between the natural (un-encroached) and encroached profiles in the proposed project floodway hydraulic analysis at the cross-sections identified below. Please provide a revised floodway analysis to produce maximum surcharges of no more than 0.10 foot throughout the revised reach of the Grand River.

Section	Surcharge (ft)
214870.9	0.11
214720.8	0.11
214711.5	0.11
214608.3	0.11
214526.8	0.12
214399.5	0.11
214393.3	0.11
214151.6	0.11

3. Review of the submitted hydraulic analysis revealed increases in proposed channel velocities as a result of the proposed project compared to the existing conditions velocities, within the area of revision (between cross-sections 212103.5 and 214720.8). To meet the embankment protection requirements in Paragraph 44 CFR 65.10(b)(3), please demonstrate that during the proposed conditions associated with the base flood event, any additional erosion will not compromise the stability of the Grand Rapids flood hazard reduction system.

4. Please submit a copy of the public notice distributed by the City of Grand Rapids stating their intent to revise the regulatory floodway or provide a statement that city officials have notified all affected property owners, in compliance with Paragraph 65.7 (b)(1) of the National Flood Insurance Program regulations. These notices must include the extent of revision, the changes to the regulatory floodway, and contact information for any interested parties. An example of public notice can be found in Figure 3 of the MT-2 instructions, which may be accessed at https://www.fema.gov/flood-maps/change-your-flood-zone/paper-application-forms/mt-2.

5. Please submit documentation of the individual legal notices that were sent to property owners who are affected by any increases in width and/or shifting of the floodplain of the flood having a 1-percent chance of being equaled or exceeded in any given year (base flood) and/or increase in Base Flood Elevations. 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. Examples of individual notices can be found on pages 12 through 17 of the instructions for the MT-2 application/certification forms, which may be accessed at https://www.fema.gov/flood-maps/change-your-flood-zone/paper-application-forms/mt-2.

6. This CLOMR request will be processed by FEMA only after FEMA receives documentation from the requestor that demonstrates compliance with the Endangered Species Act (ESA). For projects that are not constructed, funded or permitted by a federal agency, the requestor must demonstrate ESA compliance by submitting to FEMA written justification that a "Take," meaning to harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect, or to attempt to engage in any such conduct, has no potential to occur to threatened and endangered species present in the county as a result of the project. If a project has the potential to "Take" listed species, an Incidental Take Permit may be submitted with justification that the project is the subject, or is covered by the subject, of the permit.

   For projects with federal construction, funding, or permitting, a "not likely to adversely affect" determination with concurrence from the Services, a "No Effect" determination from the federal action agency, or other approval from the Services is acceptable documentation of ESA compliance.

   The submitted Biological Opinion Report, prepared by the U.S. Fish and Wildlife Service and dated October 2020, did not clearly state an effects determination for listed endangered and threatened species consistent with the above terminology. Please provide updated documentation with a clear effects determination that is consistent with the above terminology. If this project is being funded, constructed, or permitted by a federal agency, please provide proof of federal involvement.

Please send the required data directly to us at the address shown at the bottom of the first page attention to Ms. Christine Moore, STARR II. For identification purposes, please include the case number referenced above on all correspondence.

316-AD