



February 14, 2024

Goodwyn Mills Cawood

2400 5th Avenue South
Suite 200
Birmingham, AL 35233

T (205) 879-4462

www.gmcnetwork.com

E. Michelle Dunson, P.E., CFM
City of Madison, Engineering Department
100 Hughes Road
Madison, AL 35758
Delivered Electronically: michelle.dunson@madisonal.gov

RE: Mill Road Slope Stabilization
Floodplain Development Services – No Rise Analysis
Madison, Alabama

Ms. Dunson:

Goodwyn Mills Cawood, LLC (GMC) Environmental Department is pleased to have this opportunity to offer floodplain development services related to the repair of a slope failure associated with an unnamed tributary adjacent to Mill Road in Madison, Alabama.

The proposed project is within the Zone AE floodplain and regulatory floodway associated with an unnamed tributary to Mill Creek, which is regulated by the Federal Emergency Management Agency (FEMA) under the National Flood Insurance Program (NFIP). The site is located on FEMA Flood Insurance Rate Map (FIRM) 01089C0284E (revised October 2, 2014) and is shown as a Zone A floodplain. After review, it was found that a Letter of Map Revision (LOMR) was completed in 2019 that has revised the effective Flood Insurance Study (FIS) and supersedes the data shown on the effective FIRM.

The site is under the jurisdiction of City of Madison, which is a community that has adopted FEMA's NFIP and must observe the federal ordinance (and subsequently, their local floodplain ordinance) in order to maintain good standing with the program. Pursuant to 44 CFR 60.3(d)(3), the slope failure repair must be evaluated due to an encroachment within a regulatory floodway. This regulation is in place to ensure that the proposed actions will not yield *any* increase in modeled water surface elevations at any location along the unnamed tributary to Mill Creek. This process is referred to as a "No-Rise" analysis and must be certified by a Professional Engineer in the state of Alabama.

GMC's Environmental Department shall engage Alabama Department of Economic and Community Affairs - Office of Water Resources (ADECA – OWR) in order to obtain the hydraulic modeling used to support the LOMR approved in 2019 to serve as a base model for analysis. Using this hydraulic model, the variation in water surface elevations resulting from the slope failure repair shall be analyzed to determine if the "No-Rise" condition is met. If this analysis yields that there is no increase in water surface elevations associated with the proposed development, GMC shall prepare a technical engineering report detailing the analysis. This report shall be certified by a Professional Engineer and provided to the City of Madison floodplain administrator. In the event that a "No-Rise" condition is not met, a Conditional Letter of Map Revision (CLOMR) shall be required prior to the implementation of the slope repair.



It is expected that GMC can perform the “No-Rise” analysis for **\$5,500**. This fee estimate is contingent on ADECA-OWR supplying the modeling used to support the LOMR approved in 2019. In addition, any field survey required to supplement the modeling must be provided by the project Owner.

It is estimated that the engineering analysis can be completed in two (2) to three (3) weeks after receiving the LOMR hydraulic model and a Notice to Proceed. We do not guarantee that the “No-Rise” condition is obtainable, and the aforementioned fee does not include any work associated with a CLOMR. If a CLOMR is required, an additional proposal for the work shall be delivered.

If you agree to the terms set forth above, please indicate your acceptance by signing the Notice to Proceed below and returning it to me by email at wesley.caputo@gmcnetwork.com. We are prepared to begin acquisition of the LOMR hydraulic model immediately after receiving a Notice to Proceed.

Sincerely,

J. Wesley Caputo, PE, CFM
Environmental

Notice to Proceed:

Approved