

FINAL PUBLIC NOTICE

The Federal Emergency Management Agency (FEMA) has received a subgrant application for Kenton County. Pursuant to Executive Order 11988 and 44 CFR Part 9.12, final notice is hereby given of FEMA's intent to provide funding for this project under the Hazard Mitigation Grant Program (HMGP).

An initial disaster-wide Public Notice was published May 8, 2018 for DR-4361 Kentucky Severe Storms, Tornadoes, Flooding, Landslides, and Mudslides. Under the National Environmental Policy Act (NEPA), federal actions must be reviewed and evaluated for feasible alternatives and for social, economic, historic, environmental, legal, and safety considerations. - Executive Order (EO) 11988 and EO 11990 requires FEMA to consider alternatives - and provide a public notice of any proposed actions in or affecting floodplains or wetlands. EO 12898 requires FEMA to provide the opportunity for public participation in the planning process and to consider potential impacts to minority and low-income populations. This notice may also fulfill requirements under Section 106 of the National Historic Preservation Act (NHPA).

President Biden issued new Executive Orders 13985 and 14008 in January 2021 to further address the need to achieve environmental justice and equity across the federal government. The issuance of the new executive orders more than 20 years after Executive Order 12898 was signed indicates the administration's directive to federal agencies to renew their energy, effort, resources, and attention to environmental justice. FEMA is working with applicants/sub applicants to identify communities with Environmental Justice concerns and provide an avenue for local groups and non-profits with an Environmental Justice mission to self-identify so that FEMA Programs can start to work with them on specific projects from the beginning of the application process.

This notice serves as a project- specific final notice for FEMA's funding action located within a Special Flood Hazard Area. FEMA has determined the only practicable alternative is to fund the repairs of the project located within the Special Flood Hazard Area prior to the event. Funding for the proposed project will be conditional upon compliance with all applicable federal, tribal, state, and local laws, regulations, floodplain standards, permit requirements and conditions. This action complies with the National Flood Insurance Program (NFIP) requirements.

Responsible Entity: FEMA Hazard Mitigation Grant Program

Applicant: Kenton County

Project Title(s): HMGP 4361-0007 Kenton County Landslide Stabilization

Location of Proposed Work and Floodplain Insurance Rate Map (FIRM) Panels:

Site Name	GPS Coordinates	FIRM Panel
529 Bluebell Lane Edgewood, KY 41017	Latitude: <u>38.9930492</u> Longitude: <u>-84.8678541</u>	21117C0055F

All Panels effective 5/16/2019. Sites are located within regulatory floodways. Sites are located within or adjacent to wetlands.

Proposed Work and Purpose: A detailed geotechnical assessment was conducted at the site and the geotechnical team came to the conclusion that an earthwork solution such as laying back the slope or buttressing the toe would not be feasible due to the proximity of the creek and the house to the toe and crest of the hillside. The final recommendation was for the hillside to be stabilized by installing a non-gravity cantilevered retaining wall at the crest of the slope as shown on the attached plans. Unreinforced concrete plug shafts will be installed between and on the upslope sides of the structural shafts to prevent the loss of ground by erosion from between the shafts. The retaining wall will extend from property line to property line across 529 Blue Bell Lane and will consist of 24-inch-diameter structural shafts at 3.5-foot center to center. The shafts would be drilled with a 13-foot-long rock socket and 22-foot-long HP14x73 piles would be installed every other shaft with pre-cast lagging spanning the clear distance to facilitate construction of the 3H:1V slope above the wall. In the intermediate drilled shafts, longitudinal reinforcement would consist of six No. 8 bars on the upslope (tension) side and two No. 8 bars on the downslope (compression) side of the shaft. No. 4 square ties would be required at 8.5 inches on-center along the length of the intermediate shaft. The installation of the retaining wall will prevent any future slippages from occurring in the area above the retaining wall and will prevent any damage from occurring to the home or amenities between the home and the wall. The area between the new wall and the home will be graded at a 3:1 slope and will be usable and maintainable by the property owner. In slope stability analyses, the stability of a slope is quantified by the factor of safety, which is defined as the ratio of the resisting forces preventing sliding (e.g., the soil strength along a potential failure surface) to the driving forces tending to move the soil mass downslope (e.g., gravity). Values of the factor of safety less than 1 imply movement or failure of the slope. The minimum factor of safety for this project would be 1.5.

Project Alternatives:

- (1) *Relocation of facilities outside of the floodplain* – Rebuilding a portion of the existing terrain by clearing the wooded terrain, removing existing overburden soils, cutting horizontal stepped benches in the bedrock, and replacing the evacuated overburden soils as compacted and tested fill supported on the bedrock benches is a project alternative. However, according to the engineering study, it is not the most effective or feasible action for repair to the hillside.
- (2) *No action alternative* – This alternative would continue to have negative impacts to the resident's safety and welfare. If the no action alternative is taken the resident would continue to see downward progression of the hillside and eventually experience destruction of the structure and loss of contents.

Comments: This will serve as the final public notice regarding the above-described action funded by the FEMA HMGP program. Interested persons may submit comments, questions, or request a map of this specific project by writing to the Federal Emergency Management Agency, Region 4, 3005 Chamblee-Tucker Road, Atlanta, Georgia 30341, or by emailing FEMA-R4EHP@fema.dhs.gov. Comments should be sent in writing with the subject line "HMGP 4361-0007 Kenton County Landslide Stabilization" at the above addresses within 15 days of the date of this notice.

THIS NOTICE MAY BE REMOVED FROM PUBLIC VIEW ON THE 15th DAY FROM ORIGINAL DATE OF POSTING

NOTICE WAS POSTED ON Monday, 23rd DAY OF December 2024

*Link to the City of Edgewood website to view: <https://edgewoodky.gov/legal-notices/>