



ENGINEERING • PLANNING
LANDSCAPE ARCHITECTURE

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June 9, 2016

Glenda Wade, Property Manager

Hobbits Glen Condominiums
Germantown, TN

RE: Erosion of Stream Bank

Dear Glenda

As we discussed, the large creek running along your east property line is actually known as Wolf River Lateral D. It is "Waters of the State" and is controlled in some form by a number of government agencies – Federal Emergency Management Agency (FEMA), the Army Corps of Engineers, the Tennessee Department of Environment and Conservation (TDEC), to some extent Shelby County and also the City of Germantown. Most of these will defer to TDEC.

In this case the "Waters of the State" is also an aquatic resource, and to do any work in or to the stream will require an "Aquatic Resource Alteration Permit" (ARAP.) The work you are looking at doing will be classified as a bank stabilization project of some yet-to-be-determined scope. It should fall under a TDEC general permit. The filing fee for this type of permit is \$500. (A special permit would run about \$5,000).

The project would generally consist of armoring the toe of the slope along the entire length of your side of the channel with some type of stone structure. It might be large rip-rap of possibly gabion baskets filled with smaller rocks.

The construction cost for the project could easily be a six figure number.

Let me know if you need other information.

Bob Sweeney



REFERENCE LAYERS

- NFHL Data Available
- FIRM Panel Boundary
- LOMR Boundary

SPECIAL FLOOD HAZARD AREAS

- 1% Annual Chance Flood Hazard
- 0.2% Annual Chance Flood Hazard
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD

- Future Conditions 1% Annual Chance Flood Hazard
- Area with Increased Flood Risk due to Lease
- Areas Outside the 0.2% Annual Chance Floodplain
- Areas of Undetermined Flood Hazard
- No Sources

CROSS SECTIONS & BFES

- Cross Sections with 1% Annual Chance Water Surface Elevation
- Coastal Transect
- Coastal Transect Baseline
- Profile Baseline
- Base Flood Elevation

SUPPORTING INFORMATION

- Limit of Study
- Jurisdictional Boundary



Google earth



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