

# Hydro-Engineering Solutions, LLC

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December 14, 2012

Mr. Joe Turnham  
P.O. Box 928  
Auburn, AL 36831

RE: Beck's Farm 5 Floodplain

Dear Mr. Turnham,

Beck's Turf Farm 5, located in Macon County, Alabama, on the north side of Uphapee Creek, approximately 0.5 miles north of Interstate 85 at Exit 38, in the northeast  $\frac{1}{4}$  of the northwest  $\frac{1}{4}$  of the Tuskegee quadrangle, in sections 1 and 12 of Township 17 North, Range 23 East, exists within the limits of a Federal Emergency Management (FEMA) detailed study. The site is bounded by State Route 81, the CSX Transportation Railway, Uphapee Creek and Red Creek. State Route 81 provides access to the site. The detailed study extends upstream and downstream of the site following Uphapee Creek (see Attachment 1).

The site is approximately 277.1 acres. Approximately 133 acres of the site is developable land outside of the published FEMA 100-year floodplain boundary. Land within the floodplain may be developed following FEMA's process for a Letter of Map Revision. However, the land outside of the published floodplain will not require a Letter of Map Revision. This land is very flat with some ditches and swales. Due to years of sod farming on the site, some areas outside of the published floodplain boundary are lower than the 100-year elevation. Fill may be required in these areas to raise low spots to a foot above the 100-year floodplain. This may require 0.5 feet to 4 feet of build up in some areas. Building and Earth Sciences, Inc performed a preliminary subsurface exploration and geotechnical engineering evaluation of the site. Their report states that the majority of soils encountered at the site should be suitable for structural fill. Therefore, any fill needed may come from onsite, although there are several areas near this site that would be suitable borrow for fill material as well. If you should have any questions or need anything else please do not hesitate to call.

Sincerely,



John E. Curry, PE  
President

ATTACHMENT 1

