



ST. TAMMANY PARISH
DEPARTMENT OF ENGINEERING
P. O. BOX 628
COVINGTON, LA 70434
PHONE: (985) 898-2552 OR (985) 898-2575
FAX: (985) 898-5205
e-mail: eng@stpgov.org

Kevin Davis
Parish President

May 31, 2007

Darrell Fussell
558 Choctaw Drive
Abita Springs, LA 70420

Attention: Darrell Fussell

Re: Proposed Drainage Plan for Dixie Ranch Road Property at HWY 190

The St. Tammany Parish Department of Engineering has reviewed the Drainage and Paving Plan for the Dixie Ranch Road Property at HWY 190 and determined that the following information is needed:

- 1.) Cut and fill calculations should be submitted to show that there is no net increase of fill post-development. Please use 12.0' for the 100 year flood elevation as this is from the July 2005 Draft FEMA FIRM Map and is approximately the flood elevation from a draft version of a watershed study we have had done. The fill calculation received was apparently for fill above 12.0' M.S.L. rather than below 12.0'. It appears that more fill is proposed to be added than cut below 12.0'.
- 2.) Please clarify whether the observation of no off-site sheet flow came from field observations or surveying.
- 3.) The ditch which runs parallel to the Dixie Ranch Road ditch for a portion of its length does not appear to be deep enough in some locations to prevent overtopping into the Dixie Ranch Road ditch preventing its intended function. Especially note that the ditch outfall invert is the same height as the natural ground slightly upstream.

If you need any further information, please call me at 898-2750.

Sincerely,

A handwritten signature in cursive script that reads "Paul Carroll".

Paul Carroll
Drainage Engineer

xc: File

Joe Gustafson
Joe Shoemaker
Dean Dixon