



ST. TAMMANY PARISH
DEPARTMENT OF ENGINEERING
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Kevin Davis
Parish President

October 24, 2006

Emmett Dammon
1095 Florida Avenue
Slidell, LA 70458

Attention: Emmett Dammon

Re: Proposed Drainage Plan for Grace Harbor Family Church

The St. Tammany Parish Department of Engineering has reviewed the proposed Drainage plan for Cavalry Baptist Church and determined that the following is needed:

- 1.) The runoff calculations should be done using either the Modified Rational Method or the SCS Method. The peak rate of runoff should be reduced at least 15% for the 2 hour and 24 hour events. The revised submission appears to provide storage for a two hour duration event with the peak capacities based on rational method peak rates of runoff. If using the modified rational method, 2 hour and 24 hour runoff rates are done by setting the time of concentration to the applicable amount.
- 2.) The runoff coefficient for the aggregate surfaces is approved under the condition that the soil base under this aggregate is of sufficient permeability to merit this runoff coefficient. Also, no impermeable fabric may be installed under this aggregate.

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

Sincerely,

Paul Condl