

DAMMON ENGINEERING, INC.

dammonengineering.com

CONSULTING

DESIGN

STUDIES

EXPERT WITNESS

554 Old Spanish Trail
Slidell, LA 70458

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March 8, 2012

To: Jay Pittman
St. Tammany Parish
Department of Engineering
21490 Koop Dr.
Mandeville, LA 70471

REF: Living the Word International Church
2528 Old Spanish Trail
Slidell, LA

Dear Mr. Pittman,

Here are the cut and fill calculations for this site. The crossed hatch area on the dwg represents a no work area. The shaded hatch area in the front represents the relocated pond. The non shaded areas in the parking area and swale area represent where fill will be removed. We have also lowered the parking areas by 6" and the swales to help increase the amount of fill that is being removed from the site.

Fill below B.F.E. for church pad = 20,000 sq. ft. x 1.5' divided by 27 = 1,112 cu yd's.

Fill being removed below B.F.E. for the parking area = 35,000 sq. ft. x .7' divided by 27 = 907 cu yd's.

Fill being removed below the B.F.E. for the drainage swale around the site = 5,394 sq. ft. x average depth of 1.3' divided by 27 = 259 cu yd's.

Total fill removed = 1,166 cu yd's
Total fill for site = 1,112 cu yd's
= 54 cu yd's of extra fill being removed from site

The existing crushed limestone on the Site shall be used as the base material for the concrete paving. There shall be no additional fill required for the concrete paved vehicular areas.

The existing pond shall be reworked to allow the new parking area to work. The pond shall have no additional fill in or out. The pond shall maintain its current load capacity. The relocated pond will be used for water storage although the new parking lot will retain its water prior to being released as designed.



Sincerely,
Chuck Dammon
Dammon Engineering