

**Report of Moisture Density Relationship**

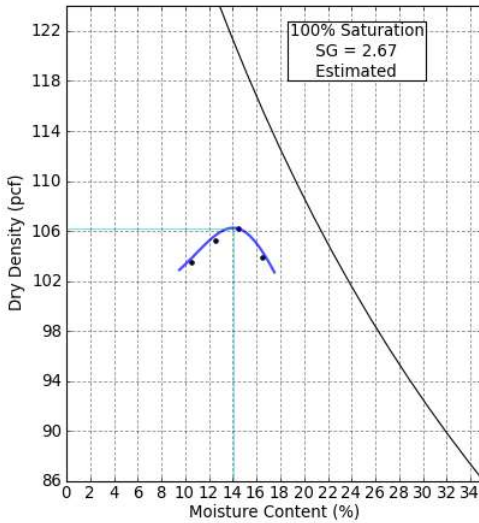
**Client:** St. Tammany Fire Protection District No. 1  
 Chief Chris Kaufmann  
 522 Robert Boulevard  
 Slidell, LA 70458

**Project:** Training Classroom #2 - 34780 South Range Road,  
 Slidell, LA - Job No. 2507

**Report Date:** 07/10/2025

**Work Order Date:** 07/09/2025  
**Work Order No:** 55086

**Project No:** C25-053  
**Report No:** 001



<u>% Moisture</u>	<u>Dry Density, pcf</u>
10.5	103.5
12.5	105.2
14.5	106.2
16.5	103.9
14.1 Optimum	106.3 Max Dry, pcf

<u>Sieve</u>	<u>% Passing</u>	<u>Required</u>
No. 200	6.4	<10

Description: Tan Silty Sand

Source: Texas Flat. - Sebring

Liquid Limit: NP  
 Plastic Limit: NP  
 Plasticity Index: NP  
 Group Symbol: SP-SM  
 AASHTO: A-3

**Rammer:** Manual  
**Preparation:** Dry  
**Test Method:** ASTM D-698 Method-A  
**Remarks:** Sampled by the Contractor.

**Technician:** Davis Hollingsworth

Respectfully Submitted,  
 Stratum Engineering, LLC



Robert Fowler, Senior Project Manager

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- 1-ec M Natal Contractor, Inc. Attn: Mr. Mike Natal
- 1-ec St. Tammany Fire Protection District No. 1  
Attn: Mr. Jay Gross
- 1-ec Dammon Engineering Attn: Mr. Chuck Dammon
- 1-ec St. Tammany Fire Protection District No. 1  
Attn: Chief Chad Duffaut
- 1-ec St. Tammany Fire Protection District No. 1  
Attn: Chief Chris Kaufmann
- 1-cc Laboratory

**Technician:** Davis Hollingsworth

Respectfully Submitted,  
Stratum Engineering, LLC



Robert Fowler, Senior Project Manager