

LABORATORY COMPACTION CHARACTERISTICS OF SOIL REPORT

Terracon

Report Number: 70211165.0003
Service Date: 09/10/21
Report Date: 09/14/21
Task: Soils-Utility Backfill Observations-Testing

2401 Brentwood Rd Ste 107
Raleigh, NC 27604-3686
919-873-2211 Reg No: F-0869

Client

Harnett County Schools
Attn: Steve Matthews
1008 S. 11th St
Lillington, NC 27546

Project

Johnsonville ES Phase 1
18495 NC Highway 27 West
Cameron, NC

Project Number: 70211165

Material Information

Source of Material: Martin Marietta - Lemon Springs
Proposed Use: Fill

Sample Information

Sample Date: 09/09/21
Sampled By: Alex Bullard
Sample Location: Stockpile

Sample Description: Screenings

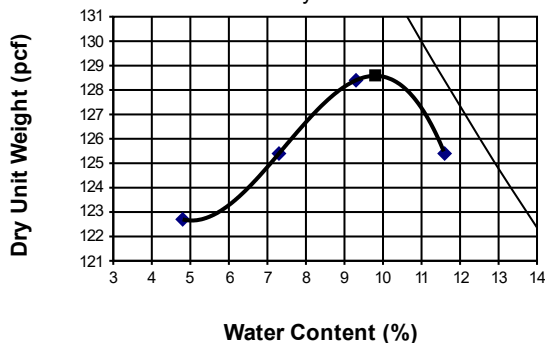
Laboratory Test Data

Test Procedure: ASTM D698
Test Method: Method A
Sample Preparation: Dry
Rammer Type: Mechanical
Maximum Dry Unit Weight (pcf): 128.6
Optimum Water Content (%): 9.8

	<u>Result</u>	<u>Specifications</u>
Liquid Limit:	Non-plastic	
Plastic Limit:	Non-plastic	
Plasticity Index:	Non-plastic	
In-Place Moisture (%):	5.1	
Passing #200 (%):	17.1	

USCS: SM

Zero Air Voids Curve for Assumed Specific Gravity 2.70



Comments:

Services: Obtain a sample of backfill material at the project site and return it to the laboratory. Prepare and test the sample for moisture-density relationship.

Terracon Rep.:

Reported To:

Contractor:

Report Distribution:

- (1) Harnett County Schools, Steve Matthews
- (1) LHC Structural Engineers, Inc., Ben Mielke
- (1) SFLA Architects, Jaclin Wawak

Reviewed By:

Alex Bullard
Assistant Project Manager

Test Methods: ASTM D698, ASTM D1140, ASTM D4318, ASTM D4718, AASHTO T99, VTM-1, VTM-7, VTM--8, VTM-25

The tests were performed in general accordance with applicable ASTM, AASHTO, or DOT test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.