

# LABORATORY COMPACTION CHARACTERISTICS OF SOIL REPORT

# Terracon

Report Number: H9171021.0001  
Service Date: 07/06/17  
Report Date: 07/07/17

2335 Commerce Point Dr Ste 180  
Lakeland, FL 33801-6867  
863-606-0423

## Client

Gurr Professional Services, Inc.  
Attn: T.M. Mike Gurr  
202 Howard Street, Suite 1  
Auburndale, FL 33823

## Project

Mims Sand Mine 640  
202 Howard Street  
Suite 1  
Auburndale, FL 33823  
Project Number: H9171021

## Material Information

Source of Material: Fill Material  
Proposed Use: Subgrade

## Sample Information

Sample Date: 06/30/17  
Sampled By:  
Sample Location: Borrow Pit, N-2

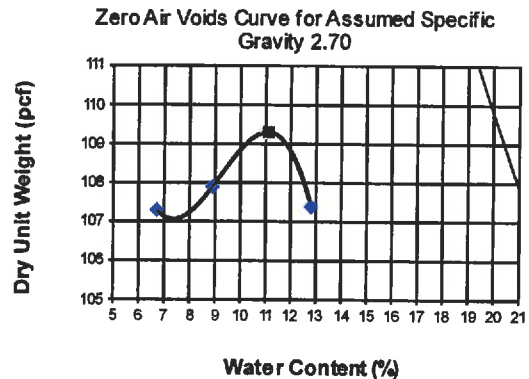
N-2

Sample Description: Off White to Tan Slightly Clayey Sand

## Laboratory Test Data

Test Procedure: ASTM D1557  
Test Method: Method A  
Sample Preparation: Wet  
Rammer Type: Mechanical  
Maximum Dry Unit Weight (pcf): 109.3  
Optimum Water Content (%): 11.1

	Result	Specifications
Liquid Limit:	Non-plastic	N/A
Plastic Limit:	Non-plastic	N/A
Plasticity Index:	Non-plastic	N/A
In-Place Moisture (%):	11.3	
Passing #40 (%):	95.0	
Passing #200 (%):	8.8	
USCS:	SP-SC	



## Comments:

Services: Sample fill material at borrow source and return it to laboratory on Service Date. Prepare and test material for moisture-density relationship.

Terracon Rep.: Marcus Grant

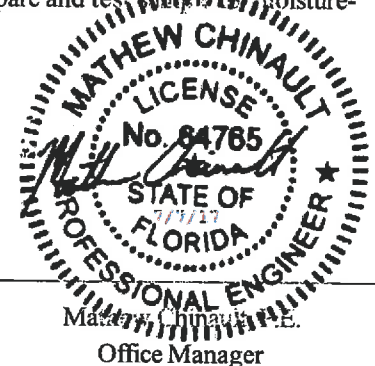
Reported To: Mike Gurr

Contractor: Gurr Professional Services, Inc.

## Report Distribution:

(1) Gurr Professional Services, Inc., T.M. Mike Gurr

Reviewed By:



Test Methods: ASTM D558, ASTM D698, ASTM D4318, ASTM D4647, ASTM D4718, FM 5-515

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.

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A Terracon representative performed a gradation test in the laboratory on soil samples provided and the results are shown below.

Sieve Size	% Passing
4	100
10	100
40	95
200	8.8

**Services:** Sample fill material at borrow source and return it to laboratory on Service Date, prepare and test sample for moisture-density relationship.

**Terracon Rep.:** Marcus Grant

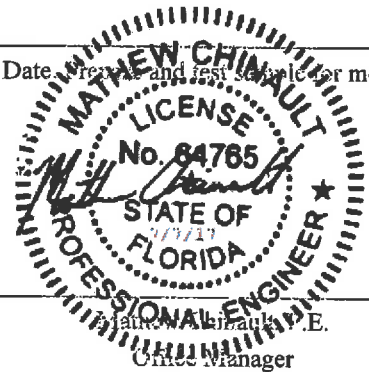
**Reported To:** Mike Gurr

**Contractor:** Gurr Professional Services, Inc.

**Report Distribution:**

(1) Gurr Professional Services, Inc., T.M.  
Mike Gurr

**Reviewed By:** \_\_\_\_\_



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# LABORATORY COMPACTION CHARACTERISTICS OF SOIL REPORT

# Terracon

Report Number: H9171021.0002

Service Date: 07/07/17

Report Date: 07/07/17

2335 Commerce Point Dr Ste 180

Lakeland, FL 33801-6867

863-606-0423

## Client

Gurr Professional Services, Inc.  
Attn: T.M. Mike Gurr  
202 Howard Street, Suite 1  
Auburndale, FL 33823

## Project

Mims Sand Mine 640  
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Project Number: H9171021

## Material Information

Source of Material: Fill Material  
Proposed Use: Subgrade

## Sample Information

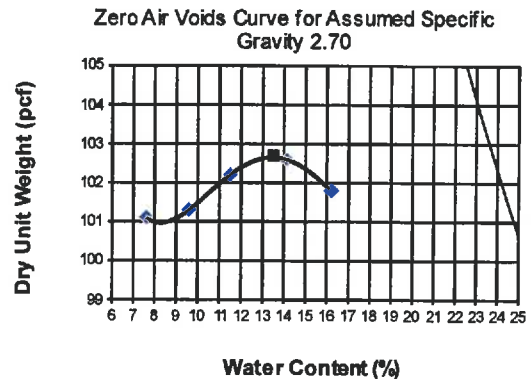
Sample Date: 06/30/17  
Sampled By:  
Sample Location: Borrow Pit, N-1-1-ST

Sample Description: Light Brown Sand

## Laboratory Test Data

Test Procedure: ASTM D1557  
Test Method: Method A  
Sample Preparation: Wet  
Rammer Type: Mechanical  
Maximum Dry Unit Weight (pcf): 102.7  
Optimum Water Content (%): 13.5

	Result	Specifications
Liquid Limit:	Non-plastic	N/A
Plastic Limit:	Non-plastic	N/A
Plasticity Index:	Non-plastic	N/A
In-Place Moisture (%):	6.8	
Passing #40 (%):	93.0	
Passing #200 (%):	1.7	
USCS:	SP	



## Comments:

Services: Sample fill material at borrow source and return it to laboratory on Service Date. Prepare and test soil for moisture-density relationship.

Terracon Rep.: Marcus Grant

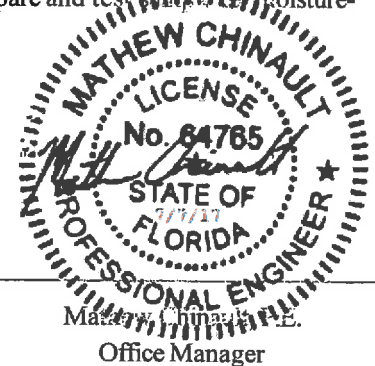
Reported To: Mike Gurr

Contractor: Gurr Professional Services, Inc.

## Report Distribution:

(1) Gurr Professional Services, Inc., T.M. Mike Gurr

Reviewed By: \_\_\_\_\_



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Sieve Size	% Passing
4	100
10	100
40	93
200	1.7

**Services:** Sample fill material at borrow source and return it to laboratory on Service Date, or per test sample for moisture-density relationship.

**Terracon Rep.:** Marcus Grant

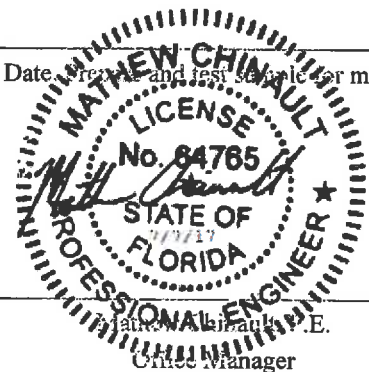
**Reported To:** Mike Gurr

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Matthew Chinnault, P.E.  
Office Manager

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