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**UNIVERSAL
ENGINEERING SCIENCES**

Consultants In Geotechnical Engineering Environmental Sciences
Construction Materials Testing, Threshold Inspections Private Provider Inspection
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Certificate of Authorization No. 549

Project No 0210.1100040.0000
Report No.
Date June 6, 2014

REPORT OF IN-PLACE DENSITY TESTS

Client: Innovative Home Builders of North Florida, Inc. Project: Cottage Road
P.O. Box 1192 171 SW Rose Point Place, Lot 3
High Springs, FL 32655 Lake City, FL

- Area Tested**
- Sanitary Pipe
 - Sanitary Structure
 - Storm Pipe
 - Storm Structure
 - Building Pad
 - Footings
 - Roadway
 - Curb
 - Subgrade
 - Other
- Material**
- Fill
 - Backfill
 - Native
 - Embankment
 - Limerock
 - Stabilization
 - Other

- Referenced From**
- Top
 - Springline
 - Bottom
 - "OF"
 - Fill
 - Native
 - Footing
 - Pipe
 - Structure
 - Berm
 - Base Course
 - Subgrade
 - Other

- Field Test Performed**
- ASTM D-2937 Drive Cylinder Method
 - ASTM D-6938 Nuclear Gauge Method
 - ASTM D-1556 Sand Cone Method
 - ASTM D-558 Soil Cement Field Proctor
- Laboratory Testing**
- ASTM D-1557 Modified Proctor
 - ASTM D-698 Standard Proctor
 - AASHTO T180 Modified Proctor
 - AASHTO T99 Standard Proctor
 - FM 5-515 LBR
 - ASTM D-1883 C

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Report Left on Site? Yes (With Whom?) No (Reason?)
Pick Up Proctor _____
Compaction Requirement = 95%

Date Tested: 5/30/14

Test No.	Location of Test	Depth or Elevation	Lab Test Results			Field Test Results				PASS FAIL
			Sample Number	Maximum Density (pcf)	Optimum Moisture (%)	Wet Density (pcf)	Dry Density (pcf)	Field Moisture (%)	Compaction (%)	
1.	Approximate Center of Building Pad	-1'-0	-	120.4	10.0	126.2	115.0	9.7	96	PASS
2.	Approximate Center of Northeast Corner Footing	-1'-0	-	120.4	10.0	125.8	115.4	9.0	96	PASS
3.	Approximate Center of Southwest Corner Footing	-1'-0	-	120.4	10.0	125.8	115.1	9.3	96	PASS

Technician DI/cb

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