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Report No.: T- 03

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REPORT OF FIELD DENSITY TESTS OF SOIL AND/OR SOIL AGGREGATE

PROJECT NAME: Mallard Landing Phase 3 DATE: 5/16/2022
PROJECT NUMBER: 117053 WEATHER: Clear
LOCATION: Alabaster, Alabama COMPACTION EQUIPMENT: Sheeps Foot Compactor
CLIENT: Western REI CLIENT REP.: Jason Spinks
CONTRACTOR: SUPERINTENDENT:

Test locations were: ☐ Provided by contractor ☒ Estimated by technician
Test elevations were: ☐ Provided by contractor ☒ Estimated by technician
☒ ASTM D6938 ☐ ASTM D1556 ☐ Other

Proctor No.	MATERIAL DESCRIPTION	Maximum Dry Density, pcf	Optimum Moisture, %	Rock Corrected Values		Lab Procedure: ASTM D698 or D1557, AASHTO T99 or T180, or Other
				Maximum Dry Density, pcf	Optimum Moisture, %	
175158	Yellowish Red Clay Like Sand	120.5	12.0	128.9	9.7	D698
175163	Yellowish Red Sandy Clay	115.5	14.0	121.7	12.0	D698
175166	Red Sandy Clay with Chert	110.5	15.0	116.3	13.1	D698

MATERIAL SPECIFICATION DESIGNATION				Specification Requirements	
				Compaction, %	Moisture, % MIN MAX
<input type="checkbox"/> Embankment <input checked="" type="checkbox"/> Fill <input type="checkbox"/> Backfill <input type="checkbox"/> Structural Fill <input type="checkbox"/> Cement Base <input type="checkbox"/> Other				98.0	-3.0 3.0

Test No.	Proctor No.	Used Cor. Value	TEST LOCATION	Elevation, ft	Field Moisture, %	In-Place Density, pcf		Compaction, %	Meets Project Specifications	
						Wet	Dry		Yes	No
1	175163	X	GADWILL DR. IN FRONT LOT 341	SG	9.0	109.6	119.4	98.1	X	
2	175163	X	INTERSECTION OF GADWILL DR. AND SPECKLEBELLY WAY	SG	9.8	132.1	120.3	98.8	X	
3	175163	X	GADWILL DR. IN FRONT LOT 336	SG	10.3	132.5	120.1	98.6	X	
4	175163	X	SPECKLEBELLY WAY IN FRONT LOT 343	SG	9.4	133.0	121.6	99.9	X	
5	175163	X	SPECKLEBELLY WAY IN FRONT LOT 346	SG	8.6	131.9	121.5	99.8	X	
6	175163	X	SPECKLEBELLY WAY IN FRONT LOT 349	SG	8.8	132.9	122.2	100.4	X	
7	175163	X	SPECKLEBELLY WAY IN FRONT LOT 352	SG	8.3	130.7	120.7	99.2	X	
8	175163	X	SHOVELER ST IN FRONT OF LOT 312	SG	8.8	130.4	119.9	98.5	X	
9	175163	X	SHOVELER ST IN FRONT OF LOT 309	SG	8.6	130.1	119.8	98.4	X	
10	175163	X	SHOVELER ST IN FRONT OF LOT 306	SG	8.4	129.8	119.7	98.4	X	

Nuclear Gauge Make: TROXLER Model: 3440 Serial No.: 27118
Standard Count Density: 1675 Moisture: 568

REMARKS: Lot 301 did not pass. Has been used as a staging area. Client will contact us when lot is ready to be retested.

This test does not determine or verify bearing capacity of the soil. The compaction results reported represent the top 6" of the lift layers tested at the location reported above and do not represent conditions for other lifts (layers) below. These test results are only representative of conditions at the time, date, and test locations reported in this report and may not represent the conditions at a later date. All failing areas should be corrected before additional fill is placed. A passing test must be recorded.

BECC Rep: D.A.HILL
Title: Staff Technician

Respectfully submitted,
BECC, Inc.


Richard A. Rhinehart, P.E., Senior Vice President

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