

Date : 09/13/2023
Project No : 2023C180
Client Company : Artisan Communities
Arrival Time : 09/13/2023 10:00
Onsite Hours : 04:00

Daily Field Report

ASEC Report ID : 61808
Name of the Project : Lakeside
Project Location : Calhoun
Weather : Sunny
Departure Time : 09/13/2023 14:00
ASEC Technician Name : Vidal Dias

The undersigned ASEC representative was on-site on September 13, 2023, to evaluate soil conditions in the site's southern portion, specifically where the road is planned to be constructed and to perform compaction testing on Lots #1 and #2.

Soil Description for Area of Road Construction

The remediated soil area designated for road construction was measured to be 25 feet by 40 feet to a depth of 10 feet.

Volumetric Analysis for Area of Road Construction

- $25\text{ ft} \times 40\text{ ft} \times 10\text{ ft} = 10,000\text{ ft}^3$ $25\text{ ft} \times 40\text{ ft} \times 10\text{ ft} = 10,000\text{ cubic feet}$

Engineering Recommendations for Area of Road Construction

It was recommended that the area be backfilled in six-inch lifts and compacted using the 815 compactor.

Compaction Test Data for Lots 1 and 2

Test Location and Elevation

- Elevation: 725 feet
- Depth below grade: 1.5 feet

Soil Description

- Light Tan Sandy CLAY

Laboratory Data (Moisture-Density Relationship)

- Maximum Dry Density: 97.0 pcf
- Optimum Moisture: 19.1%

In-Field Data

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Test 1

- Moisture: 20%
- Dry Density: 96.6 pcf
- Wet Density: 110.2 pcf
- Degree of Compaction: 99.6%

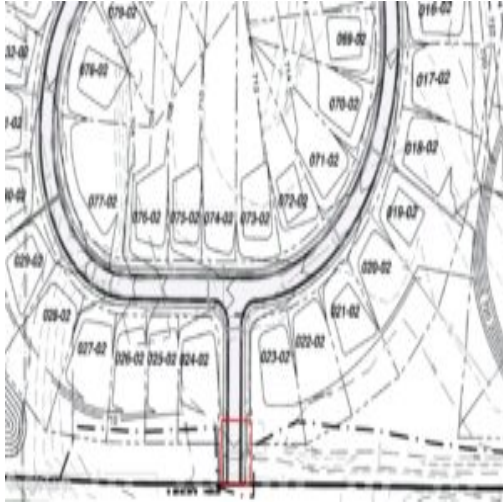
Test 2

- Moisture: 21.3%
- Dry Density: 93 pcf
- Wet Density: 111 pcf
- Degree of Compaction: 95.9%



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Vidal Dias
070321636
Project Geologist

Kenneth Mosman

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