

Date : 09/25/2023
Project No : 2023C180
Client Company : Artisan Communities
Arrival Time : 09/25/2023 09:00
Onsite Hours : 06:00

ASEC Report ID : 62225
Name of the Project : Lakeside
Project Location : Calhoun
Weather : Sunny
Departure Time : 09/25/2023 15:00
ASEC Technician Name : Vidal Dias

The undersigned ASEC representative was on-site on September 25, 2023, to visually inspect soils along the road in the northern portion of the site between Lots #103 and 26. The contractor expressed concerns about the soil becoming increasingly saturated as they progressed towards the final grade. During the evaluation, the following observations were made:

Soil Evaluation Along the Northern Road Between Lots #103 and 26

- **Soil Description**
 - Light red-tan sandy clays.
 - No groundwater was present in the soils.
- **Engineering Observations and Recommendations**
 - One test pit was excavated down to 5 feet.
 - The contractor had about 35 feet of cut left before reaching the final grade.
 - No groundwater was observed, suggesting that this could be a zone of perched water.

Compaction Tests Along Lots #108 to 112

Five compaction tests were conducted along Lot #108, 109, 110, 111, and 112. The elevation was approximately 733 feet. The results are as follows:

Test 1 (Lot 108):

- Moisture Content: 27.1%
- Dry Density: 80.3 pcf
- Wet Density: 102.1 pcf
- Degree of Compaction: 94.8%

Test 2 (Lot 109):

- Moisture Content: 25.9%
- Dry Density: 79.6 pcf
- Wet Density: 100.5 pcf
- Degree of Compaction: 93.9%

Test 3 (Lot 110):

- Moisture Content: 26.5%
- Dry Density: 80.1 pcf
- Wet Density: 101.6 pcf
- Degree of Compaction: 94.5%

Test 4 (Lot 111):

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- Moisture Content: 27.8%
 - Dry Density: 81.2 pcf
 - Wet Density: 103.0 pcf
 - Degree of Compaction: 95.9%

Test 5 (Lot 112):

- Moisture Content: 28.3%
- Dry Density: 82.5 pcf
- Wet Density: 105.8 pcf
- Degree of Compaction: 97.4%

If you have any questions or require further clarification regarding the content of this report, please do not hesitate to get in touch. We are readily available to address any inquiries you may have.



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Vidal Dias

-
Project Geologist

Kenneth Mosman

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