

Date : 08/25/2023  
Project No : 2023C144  
Client Company : CCG  
Arrival Time : 08/25/2023 10:00  
Onsite Hours : 04:00

ASEC Report ID : 61158  
Name of the Project : Carodel Farms @ Union Church Rd  
Project Location : Flowery Branch  
Weather : Sunny  
Departure Time : 08/25/2023 14:00  
ASEC Technician Name : Vidal Dias

On August 25th, an ASEC representative was present on-site to observe the contractor's field activities related to the construction of Retaining Wall B. The primary objective was to visually assess the work in progress, verifying with the Project Plans, Specifications, Codes and Standards, and Material Submittals.

### Subsurface Conditions:

- **Wall B Dimensions:** The wall under observation, Wall B, spans a length of 51.5 feet.
- **Compaction Analysis:** Probing conducted along the entire alignment of Wall B met refusal at an average depth of 2 inches below the existing grade. The alignment appeared to be stable.
- **Fill Details:** The contractor was observed placing fill in increments of 6-inch loose lifts. The fill material was identified as red tan micaceous silty fine to medium sands.
- **Nuclear Density Gauge Test Results:**
  - **Compaction Test 1:**
    - Wet Density: 108.0 pcf
    - Dry Density: 86.0 pcf
    - Moisture Content: 26.1%
    - Max Dry Density from Proctor: 86.0 pcf
    - Optimum Moisture from Proctor: 22.3%
    - Calculated Compaction: 100%
  - **Compaction Test 2:**
    - Wet Density: 106.2 pcf
    - Dry Density: 84.3 pcf
    - Moisture Content: 26.1%
    - Max Dry Density from Proctor: 86.0 pcf
    - Optimum Moisture from Proctor: 22.3%
    - Calculated Compaction: 98%
  - **Compaction Test 3:**
    - Wet Density: 107.1 pcf
    - Dry Density: 85.0 pcf
    - Moisture Content: 26.1%
    - Max Dry Density from Proctor: 86.0 pcf
    - Optimum Moisture from Proctor: 22.3%
    - Calculated Compaction: 99%

Based on the results from the field density tests, it can be concluded that the compacted fill meets with the project specifications.

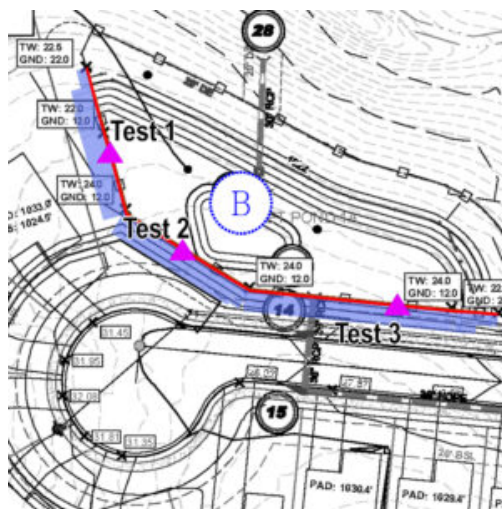
### Site Activities:

- The contractor was actively engaged in compacting fill for Wall B, verifying it reached the specified

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elevation as per the project plans. The work was observed to be in line with the job specifications.



**Vidal Dias**  
070321636  
Project Geologist

**Kenneth Mosman**

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