

Date : 09/29/2023
Project No : 2022C165
Client Company : Toll Bros. Inc.
Arrival Time : 09/29/2023 08:00
Onsite Hours : 04:00

ASEC Report ID : 62263
Name of the Project : Northfield @ Polo Fields - Phase2
Project Location : Pittman Road, Cumming, GA
Weather : Sunny
Departure Time : 09/29/2023 12:00
ASEC Technician Name : Vidal Dias

The assigned ASEC representative was present at the Northfields Project site to observe the ongoing remediation efforts. The previously identified area with rutting and deflection issues had been subject to the initial phases of repair.

Material Removal Volume:

Approximately 1,250 cubic feet ($\approx$ 58.14 tons) of material was excavated from the area under observation. This area was measured at approximately 200 feet long, 5 feet wide, and had a variable depth ranging from 1 to 1.5 feet.

ACTIVITY SUMMARY:

Compaction:

The remaining subgrade was compacted using a trench roller, prior to additional placement of backfill.

Testing:

Field compaction tests were conducted as per job specifications.

Compaction Test Results:

- Test 1:
 - Wet Density (WD): 105.8 pcf
 - Dry Density (DD): 88.74 pcf
 - Moisture Content: 24.9%
 - Compaction Percentage: 90.0%
- Test 2:
 - Moisture Content: 24.0%
 - Dry Density (DD): 96.3 pcf
 - Wet Density (WD): 120.3 pcf
 - Compaction Percentage: 97.7%

Moisture-Density Relationship (Proctor) Reference:

- Maximum dry density: 98.6 pcf
- Optimum moisture: 20.2%

Soil Description:

Reddish-brown Silty SAND with a trace of clay.

Subsequent Layers:

- **Non-woven Fabric:**

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A layer of non-woven fabric was installed over the compacted subgrade to act as a separator and stabilizer.

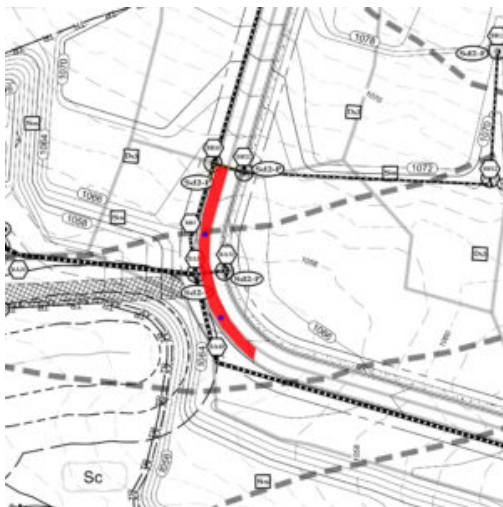
- **Stone Layer:**

The fabric was overlaid with #34 Stone (3 Loads totaling 52.47 tons).

- **Capping with GAB:**

The stone layer was capped with Graded Aggregate Base (GAB), amounting to 3 Loads or 56.35 tons.

AS Engineering and Consulting, LLC appreciates the opportunity to provide our services for this project. Should you have any queries regarding this report or require further clarification, please do not hesitate to contact us.



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Vidal Dias

-
Project Geologist

Kenneth Mosman

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