

Date : 06/19/2024
Project No : 2024C112
Client Company : SR Homes
Arrival Time : 06/19/2024
Onsite Hours :

ASEC Report ID : 67352
Name of the Project : Sterlington
Project Location : Canton
Weather : sunny
Departure Time : 06/19/2024
ASEC Technician Name : Russell Hendrix

At the request of the client's representative, our AS ENGINEERING AND CONSULTING, LLC (ASEC) representative visited the job site to observe the contractor's work activities from a quality standpoint to verify compliance with project drawings/specifications, applicable codes, and materials submittals and conducted QC testing per the project drawings and specifications. The following observations were made on site this shift:

Proof-roll Summary and remediation recommendations:

Project Overview

- **Project Name:** Sterlington Entrance Deceleration Lane
- **Deceleration Lane Dimensions:** 150 feet x 16 feet

Proof Roll Details

- **Equipment Used:** Loaded tandem dump truck
- **Attendees:**
 - Grading Foreman
 - County Inspector

Proof Roll Results

A proof-roll was conducted on the entire deceleration lane at the entrance to Sterlington. The proof-roll covered an area approximately 150 feet long and 16 feet wide. The grading foreman and county inspector were present to observe the procedure.

Observations:

- **Acceptable Areas:** Majority of the deceleration lane was found to not exhibit severe pumping and/or deflection.
- **Problematic Area:** An approximately 4-foot-wide section running the length of the deceleration lane exhibited some noticeable deflection.

Issue Identified

- **Problem:** Pumping was observed in the 4-foot-wide section.
- **Cause:** The pumping is likely caused by a pre-existing water line buried under current grade, leading to instability in the soils above.

Recommendations

- **Soil Removal and Replacement:**

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- **Action:** Remove approximately 6 inches of soil over the problematic 4-foot-wide section.
- **Replacement Material:** Backfill the excavated area with No. 57 stone to stabilize the section.
- **Reasoning:** The removal of unstable soil and replacement with No. 57 stone should increase subgrade stability.

Agreement

- Both the county inspector and grading foreman agreed with the identified issue and the recommended remediation plan.

Immediate Actions Taken

- **Communication:** Findings and recommendations were communicated to the grading foreman.
- **Planning:** Coordinated with the grading foreman to prepare for the soil removal and stone placement process.

Remediation Observation

- **Status:** The remediation process was not observed during the proof-roll.

Conclusion

The proof-roll identified an issue in a 4-foot-wide section of the deceleration lane, likely due to a pre-existing water line. The recommended remediation involves removing 6 inches of soil in the affected area and replacing it with No. 57 stone. This plan was agreed upon by both the county inspector and the grading foreman. Follow-up actions will be necessary to confirm the completion and effectiveness of the remediation.



Deceleration lane



Loaded tandem dump truck proof roll

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Kenneth Mosman

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