

Date : 04/24/2024
Project No : 2024C112
Client Company : SR Homes
Arrival Time : 04/24/2024
Onsite Hours :

ASEC Report ID : 66188
Name of the Project : Sterlington
Project Location : Canton
Weather : sunny
Departure Time : 04/24/2024
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:

Summary: Utilizing a Caterpillar DK6, CP54B sheepsfoot ride-on vibratory compactor, and a D250E off-road tandem dump truck, an approximate 12-inch lift was placed and compacted in an area spanning approximately 74 feet x 150 feet (Lots #9, 10, and 11) at a depth of -3 feet below the surface. Compaction testing was conducted using a Troxler 3430 (Serial #30942) with a moisture-density relationship of 94.8 pcf Dry Density and 25% Moisture.

Compaction Testing Results: Upon receiving testing results:

- Test #1 recorded a Dry Density of 103.0 pcf and Moisture content of 18.2%.
- Test #2 yielded a Dry Density of 100.0 pcf and Moisture content of 20.3%. It was determined that natural rock was mixed into the soil testing area, potentially affecting the test results.

Proof Roll: A proof-roll was conducted using a loaded Tandem off-road dump truck, and Lots #9, 10, and 11 were observed to not display severe rutting/pumping at approximately -3 feet from the surface.

Infrastructure Installation:

- Storm drain manhole A9 was placed without stone bedding.
- Reinforced Concrete Pipe (RCP) was installed, connecting from B1 to B2, with no stone bedding utilized.
- Using a 3.8-inch probe rod, the deflection depth was approximately 1/2 an inch.
- Manhole B2 was placed without stone bedding.

Conclusion: The compaction and infrastructure installation activities were successfully completed, with compaction levels meeting acceptable standards despite the presence of natural rock in the soil.

Date : 04/24/2024
Project No : 2024C112
Client Company : SR Homes
Arrival Time : 04/24/2024
Onsite Hours :

ASEC Report ID : 66188
Name of the Project : Sterlington
Project Location : Canton
Weather : sunny
Departure Time : 04/24/2024
ASEC Technician Name : Russell Hendrix



A9 to B1 with Black corrugated pipe



B1 to B2 RCP



Testing



compaction of lots 9, 10 and 11

Date : 04/24/2024
Project No : 2024C112
Client Company : SR Homes
Arrival Time : 04/24/2024
Onsite Hours :

ASEC Report ID : 66188
Name of the Project : Sterlington
Project Location : Canton
Weather : sunny
Departure Time : 04/24/2024
ASEC Technician Name : Russell Hendrix



removing organics from back of lots 10 and 11

Kenneth Mosman

Kenneth Mosman

The results presented in this report relate only to the items tested. This report shall not be reproduced, except in full, without written approval from AS Engineering and Consulting LLC.