Daily Field Report

ASEC Report ID : 79828
Name of the Project : Riverwood Retaining Wall
Project Location : Dallas
Weather : sunny
Departure Time : 04/10/2025 17:00
ASEC Technician Name : Vamsi Polisetty

Date : 04/10/2025
Project No : 2025C150
Client Company : Davidson Homes
Arrival Time : 04/10/2025 08:30
Onsite Hours : 08:30

As requested, the site was visited by our AS Engineering and Consulting (ASEC) representative for the purpose of providing quality control inspection and testing services. Visual observation techniques were employed to verify compliance with project drawing/specifications, applicable codes, and materials submittals. The following observations were observed on site this day.

Work has continued behind Lots #224-#229. The contractor has made progress in the preparation of the retaining wall foundation.

Focusing on backfilling and compaction operations behind the newly installed retaining wall structure along Lots #224–3229, the contractor began by placing drains at each lot, along with drainpipes along the length of the wall as per job specifications. Following the drainage installation, the next layer of backfill was placed over the previously installed geogrid reinforcement sheet, in preparation for subsequent compaction. Excavation and placement of fill material were performed using a Kobelco 310LC excavator and transported on site with a CAT 750 dump truck. Subsequent to placement, two Takeuchi TL12R2 Bobcats were used to distribute the fill uniformly along Lots #224–3229. Once the fill was evenly spread, compaction was carried out using a Bomag BW211 sheep foot compactor in combination with a Bomag RR-106 roller.

Nuclear gauge density testing was then conducted on the compacted layer to evaluate moisture content and dry density. The results showed compaction levels exceeding 95% in some locations but falling short in others. Based on this data, the superintendent was advised to dedicate additional time to compaction in areas with insufficient density. After re-compaction, general probing and proof rolling were performed. Results of probing and proof-rolling found subgrade soils to be stable.

Upon successful compaction of the first lift, the contractor advanced to the next layer of backfill. This subsequent layer underwent the same testing and quality control process. Both general probing and proof rolling verified stability of the subgrade soils.

Following backfills operations, preparations commenced for the next course of retaining wall construction, including Geo Grid Reinforcement sheet placement and layout for the upcoming lift.

We appreciate the opportunity to be of service to you on this project. If you have any questions regarding this report, please feel free to contact us. We will be more than happy to discuss it with you.

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Kenneth Mosman