

Date : 03/05/2026
Project No : 2025C149
Client Company : Davidson Homes
Arrival Time : 03/05/2026 08:00
Onsite Hours : 9:30

ASEC Report ID : 90978
Name of the Project : Grove at E. Thompson Mill Rd
Project Location : Buford
Weather : sunny
Departure Time : 03/05/2026 17:30
ASEC Technician Name : Samara Simha Reddy Kandi

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.

The crew continued earthwork operations at Lots 53, 52, 51, and 50, where backfilling activities were carried out using suitable fill material. The soil was placed in controlled lifts of approximately 6-8 inches thickness to ensure proper compaction and stability. Each lift was spread and leveled using a crawler bulldozer, which helped distribute the material evenly across the working area.

After spreading, the placed lifts were compacted using a sheep foot roller and Caterpillar 815 compactor to achieve the required density and soil stability. The compaction process was performed systematically across the area to ensure uniform consolidation of the fill material.

During field observations, it was noted that in certain locations the fill material was placed in lifts thicker than the recommended 6-8 inches. Placing thicker lifts can make it difficult for the compaction equipment to achieve the required density throughout the entire layer. Crew continued compaction operations using the sheep foot roller and Caterpillar 815 equipment, and the areas appeared to be compacted adequately after multiple passes.

After compaction, it was observed that a couple of locations did not meet the required compaction standards. In those areas, the contractor reworked the soil by loosening the material, re-compacting the lifts using the same equipment. After reworking, additional compaction passes were performed, and the areas were compacted again until the required compaction criteria were satisfactorily achieved.

Recommended:

Back fill material in controlled lifts of each 6-8 inch.

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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Density tests using Nuclear gauge



Density tests using Nuclear gauge



Compacting using 815 equipment



Density tests using Nuclear gauge

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Density tests using Nuclear gauge



Compacting using Sheep foot roller

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