

Date : 04/20/2021
Project No : 2020C002
Client Company : Toll Bros. Inc.
Arrival Time : 04/20/2021 08:30
Onsite Hours : 07:00

ASEC Report ID : 10916
Name of the Project : Northfields at Polo Fields
Project Location : 4805 Pittman Road, Forsyth County, Georgia
Weather : Sunny
Departure Time : 04/20/2021 15:30
ASEC Technician Name : Andrew McCullough

The site was visited by the undersigned AS Engineering and Consulting (ASEC) representative for the purpose of providing quality control inspection and testing services. Visual observation techniques were employed to assure compliance with project drawing/specifications, applicable codes, and materials submittals. The following observation were made on site today.

1. the completion of the excavation of the heavy organic layer of soil was observed inside of lot #27 and the main proposed road. During the completion of this, a substantial amount of ground water had come to the surface of lot #27 after the excavation of the building pad area. Dewatering trenches were dug inside of this area in order to remove the standing water in this area. Due to the trench elevation in this area, this effort was not effective in this process. The project engineer was consulted and Ram come onsite to give a recommendation in remediating this area. Ram recommended that boulders be placed in this area in order to provide some stability prior to the installation of the structural fill. If this effort is not effective, Ram recommended that this saturated muck be removed to a depth that is suitable for further construction.
2. The inspector observed the installation of MH A3 as well as the MH A4. The manholes as well as the sewer line connecting them was installed according to project specification. 57stone was utilized in bedding and encasing the pipe prior to the first lift of backfill. Backfilling efforts will take place the following day.
3. Continuation of the boring pipe was observed behind lot #5. The soil being excavated was placed inside of lot #2-#5 to bring these lots to grade. A fully loaded off road truck was observed proof rolling the above mentioned lot, and no deflection or yielding was observed. Backfill of the boring pipe was observed taking place with the heavy organic material taken from lots #27 and adjacent road way.
4. The inspector observed the placement of structural fill across lots #4-#2. Based on review of guidelines for fill placement, the required compaction for structural fill at the above mentioned area is 95% of a standard proctor. Based on visual observation and field measuring, the fill was placed in 10-12" thick lifts and compacted using a CAT 815 as well as a sheep's foot. Based on density testing, the fill placed today at elevations approximately 1091 at lot #3 and 1096 on lot #4 was compacted according to project specifications. See attached density test results for more details.



Ramchandra R. Mogulla
GA P.E. 036021
Senior Engineer

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