

Date : 01/17/2024
Project No : 2023C195
Client Company : Toll Bros. Inc.
Arrival Time : 01/17/2024 11:30
Onsite Hours : 05:30

ASEC Report ID : 63740
Name of the Project : Kimbal Bridge Tract
Project Location : Alpharetta
Weather : sunny
Departure Time : 01/17/2024 17:00
ASEC Technician Name : Aminullah Azimi

At the request of the client's representative, our AS ENGINEERING AND CONSULTING, LLC (ASEC) representative, Amin Azimi 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 during our evaluation:

This report provides an assessment of the footing excavations for retaining wall 9, next to Pond #1, carried out on this specified site. The assessment covers excavation dimensions, depth, cleanliness, and the results of soil testing using a hand auger, Dynamic Cone Penetrometer (ASTM STP-399), and Probe Rod tests.

The footing excavations were noted to be in general accordance with the project drawings with respect to size and depth. No deviations were noted in this regard.

Additionally, the assessment addressed the cleanliness of the excavations. It was observed that the footing excavations were generally free of loose soil, debris, and water.

Various tests, including dynamic cone penetrometer (DCP) and general probing were conducted to verify the bearing capacity of the shallow soils within the footing excavation.

Dynamic Cone Penetrometer (ASTM STP-399): This test was conducted to assess the soil's compaction and bearing capacity. The results showed that the subgrade at the test locations appeared to be capable of supporting a net allowable bearing pressure of 2000 psf.

Probe Rod Test: General probing, utilizing a 3/8" diameter probe rod found footing surficial soils to be stable.

50 feet of wall footing was found to probe soft. It was recommended to undercut to a depth of 1.5' and replaced with suitable material or #57 stone.

Please contact us if you have any questions.

DCP1

Depth (Feet)	Blows per 3/4" Increment
1	6
2	7

DCP2

Depth (Feet)	Blows per 3/4" Increment
1	7
2	8

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3	7	3	8
4	9	4	9

DCP3

Depth (Feet)	Blows per 3/4" Increment	Depth (Feet)	Blows per 3/4" Increment
1	7	1	2
2	7	2	6
3	7	3	7
4	7	4	7

DCP4

- Footing subgrade conditions should remain dry and free of loose soils/debris prior to concrete placement. If exposed to inclement weather, the foundation subgrade should be re-observed by ASEC,



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