

ECS Southeast, LLP

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FIELD REPORT

Project No.

33:4458-H1

Project

1103 Anderson Creek Lot Repair- Lot 1402 - 🎏 Education Dr.

Report No. Day & Date

Tuesday 10/01/2019

Location

Spring Lake, NC

Weather

82°/ Cloudy

Client

On-Site Time

Anderson Creek Club - Eric Linn

2.25

Contractor

Lab Time

0.25

Floyd Properties - Alan Ray

Travel Time*

Total

1.25

Re Obs. Time

3.75 0.00

Remarks

Tolls/Parking*

61 Education

Time of

Arrival

Trip Charges*

Mileage*

50

08:45A

Departure 11:00A

Chargeable Items

Summary of Services Performed (field test data, locations, elevations & depths are estimates) & Individuals Contacted.

The undersigned arrived on site, as requested, to observe and evaluate the bearing capacity of soils via hand auger/dcp method for foundations of repair areas at Lot 1103

A hand auger was used to advance the boreholes to different depths noted on the boring logs. Dynamic Cone Penetrometer (DCP) test were performed in the hand auger boreholes by a 1.5 inch diameter cone driven into the soil by a 15 pound ring weight with a free fall of 20 inches. The number of blows required to drive the cone into the soil a distance of 1.75 inches is termed the DCP Value and is indicated for each test on the hand auger. Please see the attached sketch and data sheet for details.

A total of 4 hand auger/DCP evaluation(s) were performed to a depth of approximately 3 feet below the current sub grade elevation. Soil encountered was Orange/ Grey Clay. DCP blow counts ranged from 7 to 12 blows per increment. It is to the opinion of ECS that the materials in place at test locations in the foundation did appear to be suitable to support the design bearing capacity 2000 psf.

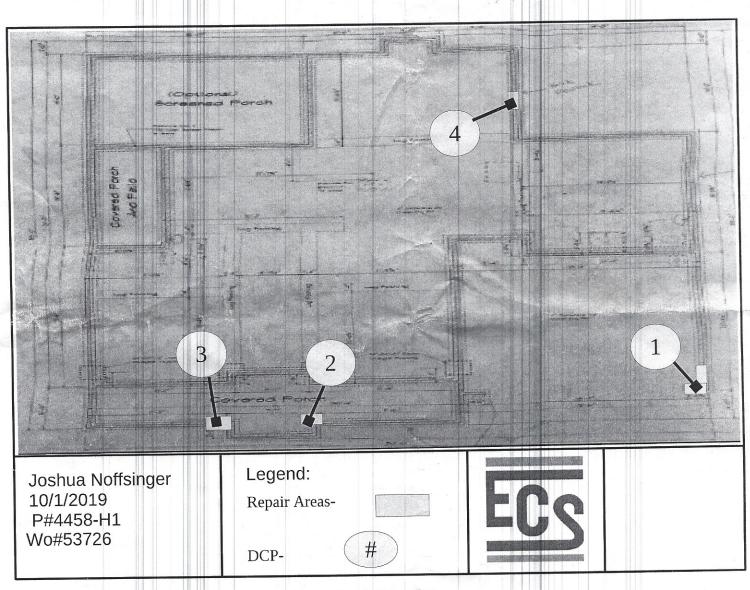
Please see sketch for DCP evaluation locations.

In the repair areas listed, the following was observed.

Location 1 was excavated approximately 3 foot below proposed bottom of footing and approximately 5'x6' area due to trash and debris. ECS recommends backfill the area with 57 or similar wash stone, or add a minimum of 1ft of additional concrete.

Location 2,3,4 are all stump removals going foot below proposed bottom of footing to about 3 wide in length and width. ECS recommends backfill the area with 57 or similar wash stone, or add a minimum of 1ft of additional concrete.

^{*} Travel time and mileage will be billed in accordance with the contract.



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