

### ECS Southeast, LLP 6151 Raeford Road

Suite A Fayetteville, NC 28304 (910) 401-3288 [Phone] (910) 323-0539 [Fax]

## LETTER OF TRANSMITTAL

October 7, 2019

Richard Family Builders 3212 Lillian Place

Fayetteville, NC 28306

ATTN: Juanita Richard

RE: Lot 1136 - Anderson Creek Club

ECS Job # 33:4458-J

Permits:

Location: Education Drvie & Scholar Dr

Spring Lake, NC

We are enclosing:

Field Reports

For your use X

X As requested

CC: Floyd Properties - Veronica Page

Floyd Properties - Alan Ray

Floyd Properties - Darlene Rzonca

ENCL:

Field Report # 2

10/04/2019

Dennis DE Lower Project Engla

Donay Johnson

Field Services Manager

<sup>1.</sup> This report (and any attachments) shall not be reproduced except in full without prior written approval of ECS.

<sup>2.</sup> The information in this report relates only to the activities performed on the report date.

<sup>3.</sup> Where appropriate, this report includes statements as to compliance with applicable project drawings and specifications for the activities performed on this report date.

<sup>4.</sup> Incomplete or non-conforming work will be recorded for future resolution.

<sup>5.</sup> The results of samples and/or specimens obtained or prepared for subsequent laboratory testing will be presented in separate reports/documents.



### ECS Southeast, LLP

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Project

Lot 1136 - Anderson Creek Club

Location

Spring Lake, NC

Client

Richard Family Builders - Juanita Richard

Contractor

Floyd Properties - Veronica Page

FIELD REPORT

Project No.

33:4458-J

Report No.

2

Day & Date

Friday 10/04/2019

Weather

85°/ Sunny

On-Site Time

1.50

Lab Time

0.25

Travel Time\*

1.25

Total

3.00

Re Obs. Time

0.00

Remarks

Trip Charges\*

Chargeable Items

Tolls/Parking\*

Mileage\*

Time of Arrival

Departure

03:30P 02:00P

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 garage and back porch.

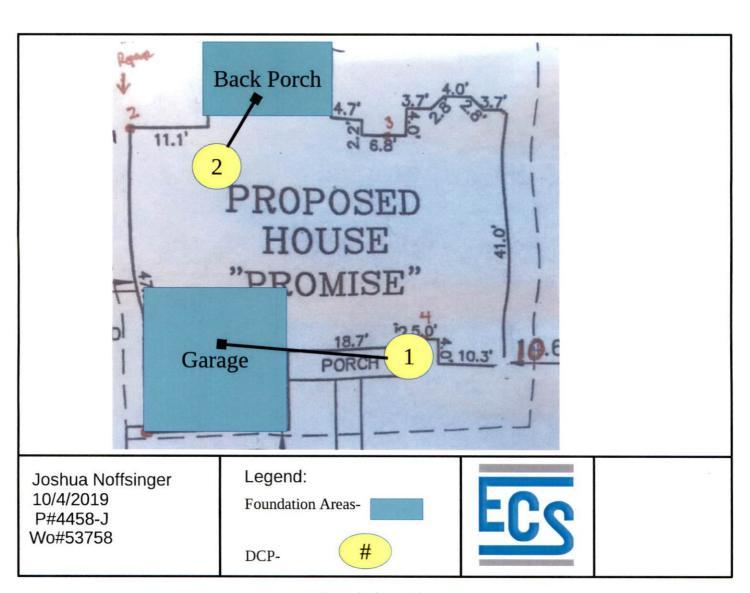
A hand auger was used to advance the boreholes to different depths noted on the boring logs. Dynamic Cone Penetrometer (DCP) test were performed in the hand auger boreholes by a 1.5 inch diameter cone driven into the soil by a 15 pound ring weight with a free fall of 20 inches. The number of blows required 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 6 hand auger/DCP evaluation(s) were performed to a depth of approximately 3 feet below the current sub grade elevation. Soil encountered was Tan Sand and Black Dirt. DCP blow counts ranged from 8 to 14 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.

ECS will return, as requested, to perform additional services.

<sup>\*</sup> Travel time and mileage will be billed in accordance with the contract.



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# Report of Spread Footing - Foundation Observations

Project: Lot 1136 - Anderson Creek Club

Project No. 4458-J

Location: Education Drvie & Scholar Dr

Day/Date: \_\_10/04/2019

Spring Lake - Cumberland - NC - 28390

Contractor: Floyd Properties

|                   | Location | Size (W x H x L) |        | Footing Bottom Elevation |                           |  |                        | Required Blow Counts          |      |
|-------------------|----------|------------------|--------|--------------------------|---------------------------|--|------------------------|-------------------------------|------|
| Footing<br>Number |          | Design           | Actual | Design                   | Depth of<br>Undercut (in) | Description of<br>Subgrade<br>Material | # of Blows / increment | Design<br>Bearing<br>Pressure |      |
| 1                 | 1        | x x              | x x    | N/A                      | 0 .                       |  | Tan Sand               | 6<br>8,9,9                    | 2000 |
| 1                 | 1        | хх               | x x    | N/A                      | -1 -                      |  | Black Dirt             | 6<br>10,11,11                 | 2000 |
| 1                 | 1        | x x              | x x    | N/A                      | -2 .                      |  | Black Dirt             | 6<br>10,10,10                 | 2000 |
| 1                 | 1        | x x              | x x    | N/A                      | -3 .                      |  | Black Dirt             | 6<br>9,11,10                  | 2000 |
| 2                 | 2        | x x              | x x    | N/A                      | 0 .                       |  | Tan Sand               | 6<br>9,10,10                  | 2000 |
| 2                 | 2        | x x              | x x    | N/A                      | -1 .                      |  | Tan Sand               | 6<br>11,11,11                 | 2000 |
| 2                 | 2        | × ×              | x x    | N/A                      | -2 .                      |  | Tan Sand               | 6<br>12,11,11                 | 2000 |
| 2                 | 2        | x x              | × ×    | N/A                      | -3 .                      |  | Tan Sand               | 6<br>12,14,13                 | 2000 |

| Ву | Josh Noffsinger    |  |  |  |  |  |  |
|----|--------------------|--|--|--|--|--|--|
|    |                    |  |  |  |  |  |  |
|    | ECS Southeast, LLP |  |  |  |  |  |  |

WO:53758