

ECS Southeast, LLP

6151 Raeford Road Suite A Fayetteville, NC 28304 (910) 401-3288 [Phone] (910) 323-0539 [Fax]

LETTER OF TRANSMITTAL

August 21, 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

X For your use

X As requested

CC: Floyd Properties - Veronica Page Floyd Properties - Alan Ray

Floyd Properties - Darlene Rzonca

ENCL:

Field Report #1

08/20/2019

Dennis D Lawery, P.E. 3840 AUG 21 2019 Project Engineer

Donny Johnson

Field Services Manager

Disclaimer

^{1.} This report (and any attachments) shall not be reproduced except in full without prior written approval of ECS.

^{2.} The information in this report relates only to the activities performed on the report date.

^{3.} Where appropriate, this report includes statements as to compliance with applicable project drawings and specifications for the activities performed on this report date.

^{4.} Incomplete or non-conforming work will be recorded for future resolution.

^{5.} The results of samples and/or specimens obtained or prepared for subsequent laboratory testing will be presented in separate reports/documents.



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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.

1 Day & Date

Tuesday 08/20/2019

Weather

80°/ Sunny

On-Site Time

3.50

Lab Time

0.25

Travel Time*

1.25

Total

5.00

Re Obs. Time

0.00

Remarks Trip Charges*

Chargeable Items

Tolls/Parking*

Mileage*

Time of

Arrival

Departure

10:00A 01:30P

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.

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. DCP blow counts ranged from 1 to 15 blows per increment. It is to the opinion of ECS that the materials in place at test location 2 in the foundation did not appear to be suitable to support the design bearing capacity 2000 psf. In locations 1, 3, and 4 the material in place do appear to be suitable to support the bearing capacity of 2000 psf.

In location 2 and stump removal area the materials in place appear to be soft, ECS recommends to undercut the sections 1 ft. below the bottom of footing and replace with an additional 1 ft. of concrete.

Please see sketch for DCP evaluation locations and the limits of the repair area.

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

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



Report of Spread Footing - Foundation Observations

Project: Lot 1136 - Anderson Creek Club

Location: Education Drvie & Scholar Dr

Spring Lake - Cumberland - NC - 28390

Contractor: Floyd Properties

Project No. 4458-J

Day/Date: __08/20/2019

Footing Number	Location	Size (W x H x L)		Footing Bot	tom Elevation		Required Blow Counts	
		Design	Actual	Design	Depth of Undercut (in)	Description of Subgrade Material	# of Blows / increment	Design Bearing Pressure
1	1	x x	x x	N/A	0 .	Gray Sand	6	2000
	4			of the second			2,3,3	2000
1	1	хх	x x	N/A	-1 .	Brown Sand	6	2000
							3,4,6	
1	1	XX	хх	N/A	-2 .	Brown Sand	6	2000
							10,10,10	
1		X X	x x	N/A	-3 .	Brown Sand	6	2000
and a	2	V V					7,9,9	
2	2	x x	X X	N/A	0 .	Gray Sand	6	2000
							2,2,3	
2	2	^ ^	X X	N/A	-1	Brown Sand	6	2000
	2	хх	V V	N/A			3,3,3	2000
2	2	× ×	x x	N/A N/A	-2 .	Brown Sand Brown Sand	6	2000
							2,2,3	
					-3 .		6	
and of the base of the	3	X X		NIA			1,2,2	
3	, and the second	^ ^	хх	N/A	0 .	Gray Sand	6	2000
						39 38 67	3,3,3	

y:	Bryan Noel Hernandez							
	ECS Southeast, LLP							

WO:53277

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