NC Registered Firm # F-1078

ECS Southeast, LLP
6151 Raeford Road, Suite A
Fayetteville, NC 28304
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LETTER OF TRANSMITTAL

September 10, 2021
W.S. Wellons Realty
PO Box 766
Spring Lake, NC 28390

ATTN: Jason Wellons

RE: **Lot 106 Docs Rd**
ECS Job # **33:5615-B**

Permits:
Location: **3078 Docs Rd**
Spring Lake, NC 28390

X Field Reports **X** For your use **X** As requested

CC:

ENCL: Field Report # 1 9/3/2021

NORTH CAROLINA PROFESSIONAL SEAL 15382 ENGINEER JACK E. COWSERT

SEP 10 2021

Jack Edgar Cowsert, P.E.
Senior Project Engineer

Ryan H. Parrish
Construction Materials Project Manager

NC Registered Engineering Firm # F-1078

ECS Southeast, LLP
6151 Raeford Road, Suite A
Fayetteville, NC 28304
(910) 401-3288 [Phone]
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FIELD REPORT

Project	**Lot 106 Docs Rd**
Location	**Spring Lake, NC**
Client	**W.S. Wellons Realty**
Contractor	**W.S. Wellons Realty**

Project No.	**33:5615-B**
Report No.	**1**
Day & Date	**Friday 9/3/2021**
Weather	**80 °/ Sunny**
On-Site Time	**1.25**
Lab Time	**0.25**
Travel Time*	**1.50**
Total	**3.00**
Re Obs Time	**0.00**

Remarks

Trip Charges*	Tolls/Parking*	Mileage*	**50**	Time of	Arrival	Departure
Chargeable Items					**1:00P**	**2:15P**

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

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

The ECS Representative arrived on site, as requested, to check the bearing capacity of soil via hand auger/DCP method for the stem wall backfill.

Please see the attached sketch and data sheet for details

A hand auger was used to advance the boreholes to different depths noted on the boring logs. Dynamic cone penetrometer DCP test were 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 is indicated for each test on hand auger.

A total of 3 hand auger/DCP evaluations were performed to depth of approximately 3 feet below the current footing sub grade elevation. Test results indicated that the materials in place at the locations and elevations tested did appear to be suitable to support the design bearing capacity 2000 psf.

Contractor was notified of test results prior to departure from jobsite.

By Blake Hester 1800

NC Registered Firm # F-1078

Report of Spread Footing - Foundation Observations

Project: Lot 106 Docs Rd
Location: 3078 Docs Rd
Spring Lake - Cumberland - NC - 28390
Contractor: W.S. Wellons Realty

Project No.: 33:5615-B
Day/Date: 9/3/2021

Footing Number	Location	Size (W x H x L)		Footing Bottom Elevation		Description of Steel Placed	Description of Subgrade Material	Required Blow Counts	Design Bearing Pressure
		Design	Actual	Design **	Depth of Undercut (in)			# of Blows / Increment	
1	1	x x	x x	N/A	N/A	0	orange sand	6 25+	2000
1	1	x x	x x	N/A	N/A	1	orange sand	6 19,18,15	2000
1	1	x x	x x	N/A	N/A	2	orange sand	6 15,14,11	2000
1	1	x x	x x	N/A	N/A	3	orange sand	6 9,14,15	2000
2	2	x x	x x	N/A	N/A	0	orange sand	6 25+	2000
2	2	x x	x x	N/A	N/A	1	orange sand	6 19,16,11	2000
2	2	x x	x x	N/A	N/A	2	tan sand	6 17,14,12	2000
2	2	x x	x x	N/A	N/A	3	clayey sand	6 10,9,13	2000

** SGE: Subgrade Elevation to be determined by surveyor.

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Report of Spread Footing - Foundation Observations

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Location:	3078 Docs Rd Spring Lake - Cumberland - NC - 28390	Day/Date:	9/3/2021
Contractor:	W.S. Wellons Realty		

By: Blake Hester

ECS Southeast, LLP

WO: 63040