NC Registered Firm # F-1519

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

September 23, 2024
W.S. Wellons Realty
PO Box 766
Spring Lake, NC 28390

ATTN: Jason Wellons

RE: **Onslow Court- lot 8**
ECS Job # **33:7062**

Permits:
Location: **64 Onslow Ct**
Spring Lake, NC 28390

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

CC:

ENCL: Field Report # 1 9/20/2024

NORTH CAROLINA PROFESSIONAL SEAL 15382 ENGINEER JACK F COWSERT

SEP 23 2024

Jack Cowsert, P.E.
Office Manager

Aaron Kyle Adair
CMT Senior Project Coordinator

NC Registered Engineering Firm # F-1519

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

FIELD REPORT

Project No.	**33:7062**
Report No.	**1**
Day & Date	**Friday 9/20/2024**
Weather	**84 °/ Sunny**
On-Site Time	**2.25**
Lab Time	**0.00**
Travel Time*	**0.00**
Total	**2.25**
Re Obs Time	**0.00**

Project	**Onslow Court- lot 8**
Location	**Spring Lake, NC**
Client	**W.S. Wellons Realty**
Contractor	**None Listed**

Remarks

Trip Charges*	Tolls/Parking*	Mileage*	Time of	Arrival	Departure
Chargeable Items				**3:15P**	**5:30P**

* 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.

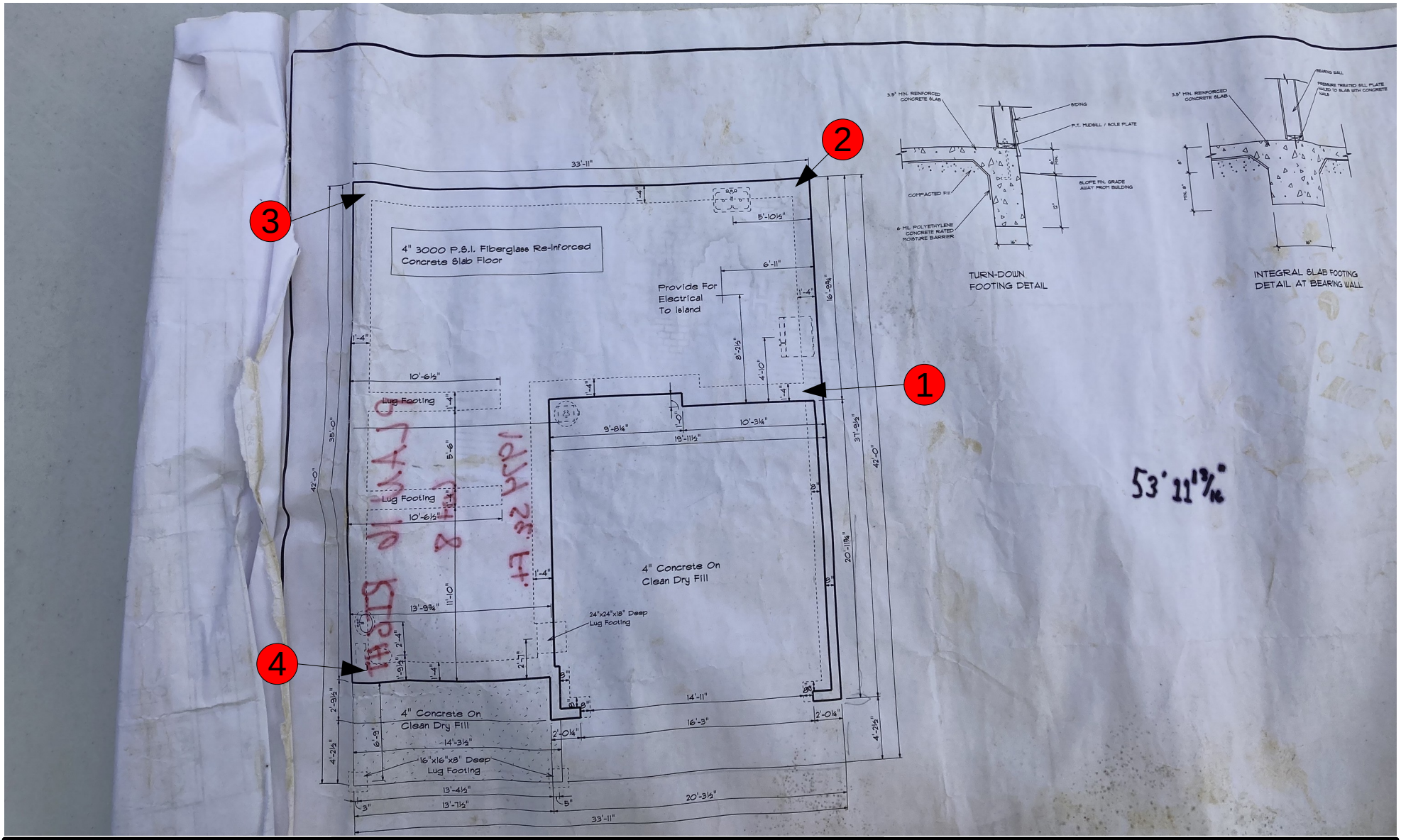
An ECS representative arrived on site, as requested, to check the bearing capacity of soils via hand auger/DCP method (ASTM STP-399) for foundation footings. Please see the attached sketch and data sheet for details.

A total of 4 hand auger/DCP evaluations were performed to a 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 of 2,000 psf.

While the locations tested did appear to be suitable to support the sign bearing capacity of 2000 psf, ECS encountered some potential highly plastic clays. A soil sample was returned to our laboratory for further testing to determine if the clay in place is a fat or lean clay.

ECS will return, as requested, for additional services.

By Christopher H Johnson 1800



Christopher H.A. Johnson
9/20/2024
Onslow Court Lot 8
Proj #: 7062
W/O # 79757

Key (NTS)

DCP Test Locations #

NORTH

NC Registered Firm # F-1519

Report of Spread Footing - Foundation Observations

Project: Onslow Court- lot 8
Location: 64 Onslow Ct
Spring Lake - Cumberland - NC - 28390
Contractor: None Listed

Project No.: 33:7062
Day/Date: 9/20/2024

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	south east corner of house foundation	x x	x x	N/A			(0)wet red clayey sand (-1, -2)dark grey clay (-3) brown/dark grey clay	6 (0)4,5,6 (-1)5,6,6 (-2) 7,9,10 (-3)7,7,8	2000
2	north east corner of house foundation	x x	x x	N/A			(0)wet red clayey sand (-1) red/dark grey sandy clay (wet) (-2,-3)dark grey sandy clay	6 (0)3,5,4 (-1)5,7,9 (-2) 7,8,11 (-3)11,13,14	2000
3	north west corner of house foundation	x x	x x	N/A			(0)wet red clayey sand (-1) brown sandy clay (-2,-3) brown clay	6 (0)3,4,4 (-1)6,7,8 (-2) 9,13,14 (-3)14,14,16	2000
4	south west corner of house foundation	x x	x x	N/A			(0)wet red clayey sand (-1) red clayey sand (-2,-3)dark grey sandy clay	6 (0)2,4,5 (-1)8,8,10 (-2) 10,12,12 (-3)13,17,20	2000

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

By: Christopher H Johnson

ECS Southeast, LLC

WO: 79757

Attachments

IMG_2862

Figure 1