

ECS Southeast, LLP

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LETTER OF TRANSMITTAL

August 8, 2023 W.S. Wellons Realty

PO Box 766

Spring Lake, NC 28390

ATTN: Chandler Jones

RE: Lot 125 HLN ECS Job # 33:6230-G

Permits:

Location: 19 Sugarberry PI

Spring Lake, NC 28390

 \underline{X} Field Reports \underline{X} For your use \underline{X} As requested

CC:

ENCL: Field Report # 1 8/7/2023

AUG 08 2023

Jack Cowsert, P. E. Office Manager

Aaron Kyle Adair Team Leader

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 reported 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.



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

Project Lot 125 HLN

Location Spring Lake, NC

Client W.S. Wellons Realty

Contractor W.S. Wellons Realty

FIELD REPORT

Project No. **33:6230-G**

Report No. 1

Day & Date **Monday 8/7/2023**

Weather 75 °/ Sunny

On-Site Time 1.25

Lab Time 0.00

Travel Time* 0.00

Total 1.25

Re Obs Time 0.00

Remarks

Trip Charges* Tolls/Parking* Mileage* Time of Arrival Departure

Chargeable Items 10:30A 11:45A

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

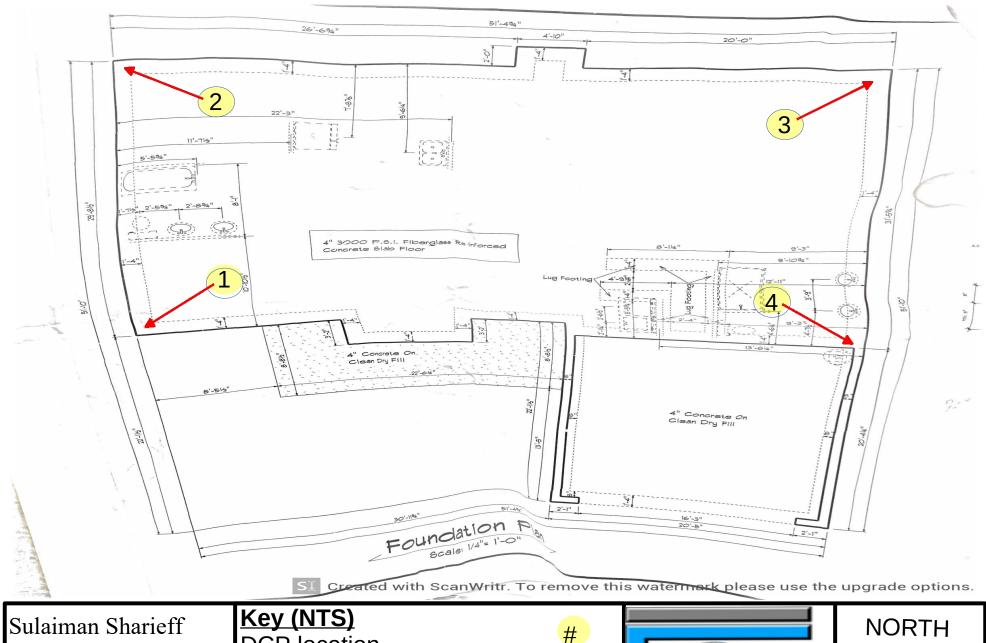
Summary of Services Performed (field test data, locations, elevations & depths are estimates) & Individuals Contacted.

ECS Representative arrived on site, as requested, to check the bearing capacity of soils via hand auger/DCP method (ASTM STP-399) for the monolithic slab foundation. Footings have not been excavated. 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 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.

A total of 4 hand auger/DCP evaluations were performed to a depth of approximately 3 feet below the current footing sub grade elevation. It is to the opinion of ECS that the materials in place (at the locations and elevations tested) did appear to be suitable to support the design bearing capacity 2000 psf.

ECS will return upon request, to provide additional services.

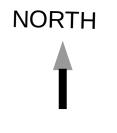


Sulaiman Sharieff 8/7/2023 Lot 125

Proj #: 6230-G W/O # 73501

Key (NTS) DCP location





Attachments



125

Figure 1



NC Registered Firm # F-1078



Report of Spread Footing - Foundation Observations

Project: Lot 125 HLN Project No.: 33:6230-G 19 Sugarberry Pl Location: Day/Date: 8/7/2023

Spring Lake - Cumberland - NC - 28390
Contractor: W.S. Wellons Realty

Footing Number	Location	Size (W x H x L)		Footing Bottom Elevation			December of	Required Blow Counts	Desima
		Design	Actual	Design **	Depth of Undercut (in)	Description of Steel Placed	Description of Subgrade Material	# of Blows / Increment	Design Bearing Pressure
1	South West	хх	хх	N/A	0,-1,-2,-3		sand (-2,-3)tan	6 (0)25+ (-1)17-14-13 (-2) 13-15-12 (-3)9-8-7	2000
2	North West	хх	хх	N/A	0,-1,-2,-3		(-1) brown sand	6 (0)25+ (-1)14-16-16 (-2) 10-8-9 (-3)7-8-7	2000
3	North East	хх	хх	N/A	0,-1,-2,-3		sand(-2,-3)	6 (0)17-16-19 (-1)15-14- 18 (-2)25+(-3)19-18-22	2000
4	South East	хх	x x	N/A	0,-1,-2,-3		(0,-1)orange sand(-2,-3)	6	2000
							brown sandy	(0)11-14-15 (-1)13-15- 15 (-2)12-16-15 (-3)25+	

** SGE: Subgrade Elevation to be determined by surveyor.	Ву:	Sulaiman Sharieff	
		ECS Southeast, LLP	

WO: 73501