



**ECS Southeast, LLP**

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**LETTER OF TRANSMITTAL**

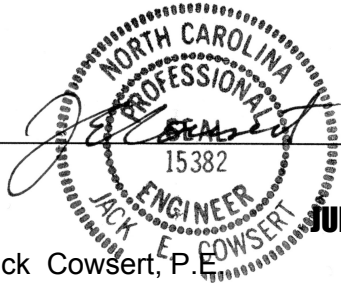
June 12, 2023  
W.S. Wellons Realty  
PO Box 766  
Spring Lake, NC 28390  
ATTN: Chandler Jones

RE: **Lot 123 HLN**  
ECS Job # **33:6230-B**  
  
Permits:  
Location: **67 Sugarberry PI**  
**Spring Lake, NC 28390**

Field Reports       For your use       As requested

CC:

ENCL: Field Report # 1      6/8/2023



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.



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## FIELD REPORT

Project **Lot 123 HLN**  
 Location **Spring Lake, NC**  
 Client **W.S. Wellons Realty**  
 Contractor **W.S. Wellons Realty**

Project No. **33:6230-B**  
 Report No. **1**  
 Day & Date **Thursday 6/8/2023**  
 Weather **67 °/ Cloudy**  
 On-Site Time **1.50**  
 Lab Time **0.00**  
 Travel Time\* **0.00**  
 Total **1.50**  
 Re Obs Time **0.00**

Remarks

Trip Charges*	Tolls/Parking*	Mileage*	Time of Arrival	Departure
Chargeable Items			<b>12:30P</b>	<b>2:00P</b>

\* 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 arrived on site, as requested, to check the bearing capacity of soils via hand auger/DCP method (ASTM STP-399) for preliminary observations. 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. 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 2,000 psf.

ECS will return, as requested, for additional services.



Harvey Sangster  
6/8/2023  
Lot 123 HLN  
Poj # 6230-B  
W/O # 72558

**KEY**



DCP Location





## Report of Spread Footing - Foundation Observations

Project: Lot 123 HLN  
 Location: 67 Sugarberry Pl  
 Spring Lake - Cumberland - NC - 28390  
 Contractor: W.S. Wellons Realty

Project No.: 33:6230-B  
 Day/Date: 6/8/2023

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	S W corner of foundation footing	x x	x x	N/A	N/A		(0/-2)Orange Clay SAND(-3) Orange Sandy CLAY	6 (0)8,11,17(-1)14,17,17(-2)15,13,17(-3)12,10,13	2000
2	N W corner of foundation footing	x x	x x	N/A	N/A		(0/-1)Orange Grey SAND(-2/-3)Orange Clay SAND	6 (0)8,8,8(-1)13,17,12(-2)15,15,15(-3)13,17,15	2000
3	N E corner of foundation footing	x x	x x	N/A	N/A		(0/-3)Orange Clay SAND	6 (0)8,10,9(-1)12,12,12(-2)13,17,20(-3)14,10,10	2000
4	S E corner of foundation footing	x x	x x	N/A	N/A		(0/-1)Orange Clay SAND(-2/-3)Brown Clay SAND	6 (0)10,10,10(-1)10,11,15(-2)11,12,15(-3)11,11,11	2000

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

By: Harvey Lamar Sangster

ECS Southeast, LLP

WO: 72558