



**ECS Southeast, LLP**

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**LETTER OF TRANSMITTAL**

November 29, 2022  
W.S. Wellons Realty  
PO Box 766  
Spring Lake, NC 28390  
ATTN: Accounts Payable

RE: **Wellons Realty Lot 148**  
ECS Job # **33:6204-H**  
  
Permits:  
Location: **27 Basswood Ct.**  
**Spring Lake, NC 28390**

Field Reports       For your use       As requested

CC: W.S. Wellons Realty - Jason Wellons

ENCL: Field Report # 2      11/28/2022



**NOV 29 2022**

Jack Cowsert, P.E.  
Office Manager

Aaron 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  
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## FIELD REPORT

Project **Wellons Realty Lot 148**  
 Location **Spring Lake, NC**  
 Client **W.S. Wellons Realty**  
 Contractor **None Listed**

Project No. **33:6204-H**  
 Report No. **2**  
 Day & Date **Monday 11/28/2022**  
 Weather **56 °/ Sunny**  
 On-Site Time **2.00**  
 Lab Time **0.25**  
 Travel Time\* **0.75**  
 Total **3.00**  
 Re Obs Time **0.00**

Remarks

Trip Charges*	Tolls/Parking*	Mileage* <b>30</b>	Time of Arrival	Departure
Chargeable Items			<b>7:45A</b>	<b>9:45A</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.**

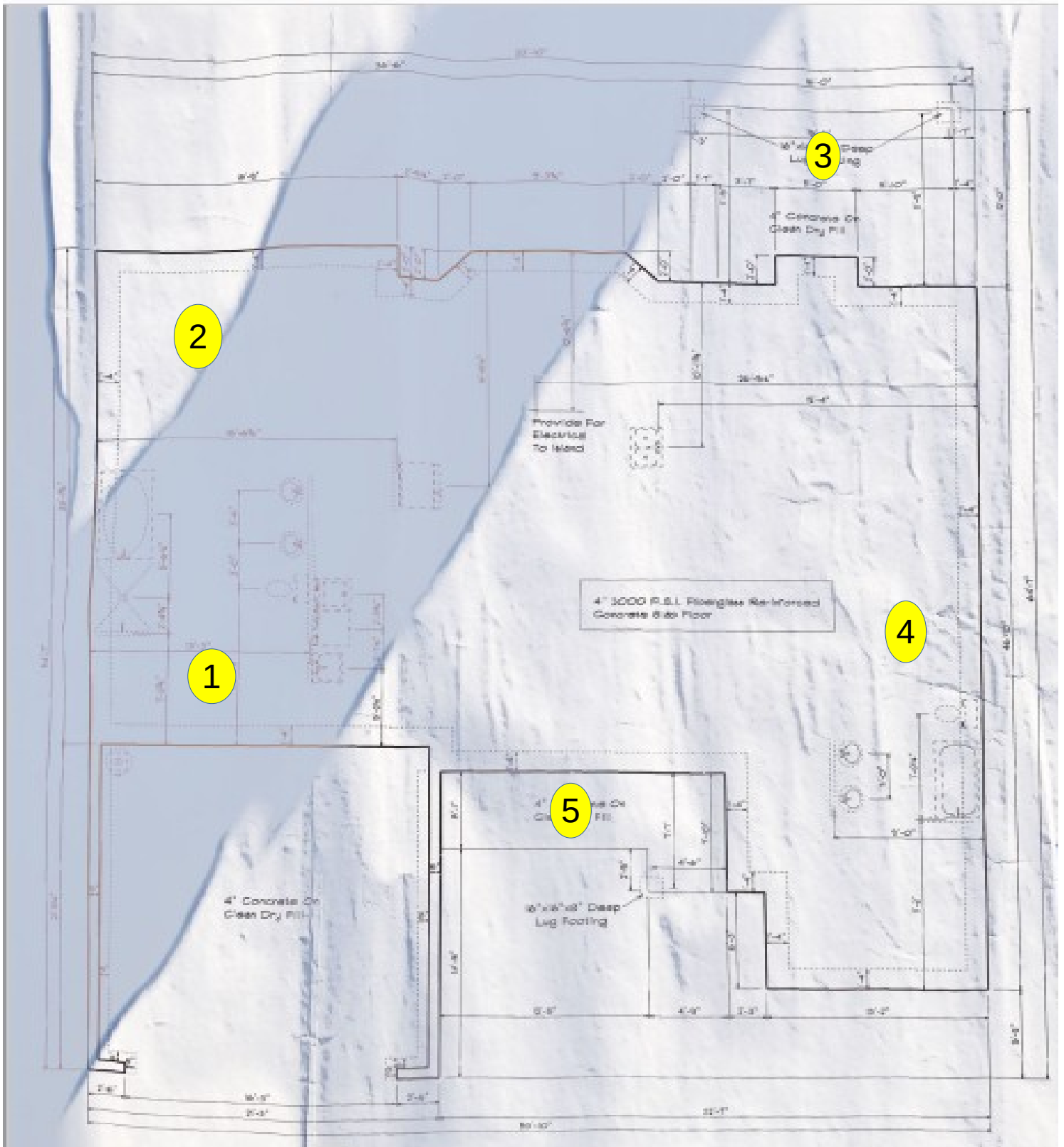
ECS arrived on site, as requested, to check the bearing capacity of soils via hand auger/DCP method for foundation footings. Please see the attached sketch and data sheet for details.

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 5 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 2,000 psf with the exception of the front and back porches.

ECS spoke with Chandler w/ Wellons Realty and recommended that he have the contractors remove 2' of fill from the back porch and 1' of fill from the front porch. Once the fill has been removed, ECS recommended the contractors to compact the elevation with a jumping jack and back fill in 1' loose lifts while compacting each lift extremely well with jumping jack. Once the repairs have been complete, ECS will retest the front and back porches.

ECS will return, as requested, for additional services.



Harvey Sangster  
 11/28/2022  
 Poj # 6204-H  
 W/O # 69835

**KEY**

DCP Location





## Report of Spread Footing - Foundation Observations

Project: Wellons Realty Lot 148  
 Location: 27 Basswood Ct.  
 Spring Lake - Cumberland - NC - 28390  
 Contractor: None Listed

Project No.: 33:6204-H  
 Day/Date: 11/28/2022

Footing Number	Location	Size (W x H x L)		Footing Bottom Elevation		Description of Steel Placed	Description of Subgrade Material	Required Blow Counts # of Blows / Increment	Design Bearing Pressure
		Design	Actual	Design **	Depth of Undercut (in)				
1	Southwest stem wall footings	x x	x x	N/A	N/A		Orange Sandy CLAY	6 (0)5-8-7(-1)9-9-10(-2)15-18-20(-3)Augor refusal	2000
2	Northwest stem wall footings	x x	x x	N/A	N/A		Orange Sandy CLAY	6 (0)8-6-7(-1)9-16-18(-2)16-20-20(-3)16-20-15	2000
3	back porch	x x	x x	N/A			(0)Tan Sandy CLAY (-1/-3) Orange Sandy CLAY	6 (0)3-4-3(-1)4-4-4(-2)3-2-3(-3)12-13-12	2000
4	Southeast stemwall footing	x x	x x	N/A	N/A		Orange Sandy CLAY	6 (0)9-11-17(-1)17-25+(-2)18-25+(-3)16-19-14	2000
5	front porch	x x	x x	N/A			(0)Tan SAND (-1/-3)Orange Sandy CLAY	6 (0)3-5-4(-1)3-3-3(-2)9-8-7(-3)23-25+	2000

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



## Report of Spread Footing - Foundation Observations

Project: Wellons Realty Lot 148  
Location: 27 Basswood Ct.  
Spring Lake - Cumberland - NC - 28390  
Contractor: None Listed

Project No.: 33:6204-H  
Day/Date: 11/28/2022

By: Harvey Lamar Sangster

ECS Southeast, LLP

WO: 69835