



**ECS Southeast, LLP**

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**LETTER OF TRANSMITTAL**

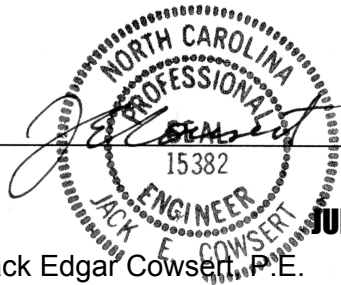
June 18, 2021  
W.S. Wellons Realty  
PO Box 766  
Spring Lake, NC 28390  
ATTN: Jason Wellons

RE: **Lot 105 Docs Rd**  
ECS Job # **33:5615**  
  
Permits:  
Location: **3054 Docs Rd**  
**Spring Lake, NC 28390**

Field Reports       For your use       As requested

CC:

ENCL: Field Report # 1      6/18/2021



Jack Edgar Cowsett, P.E.  
Senior Project Engineer

Ryan H. Parrish  
Construction Materials Project Manager

*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 105 Docs Rd**  
 Location **Spring Lake, NC**  
 Client **W.S. Wellons Realty**  
 Contractor **W.S. Wellons Realty**

Project No. **33:5615**  
 Report No. **1**  
 Day & Date **Friday 6/18/2021**  
 Weather **84 °/ Sunny**  
 On-Site Time **2.00**  
 Lab Time **0.25**  
 Travel Time\* **1.50**  
 Total **3.75**  
 Re Obs Time **0.00**

Remarks

Trip Charges*	Tolls/Parking*	Mileage* <b>50</b>	Time of Arrival	Departure
Chargeable Items			<b>10:00A</b>	<b>12:00P</b>

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

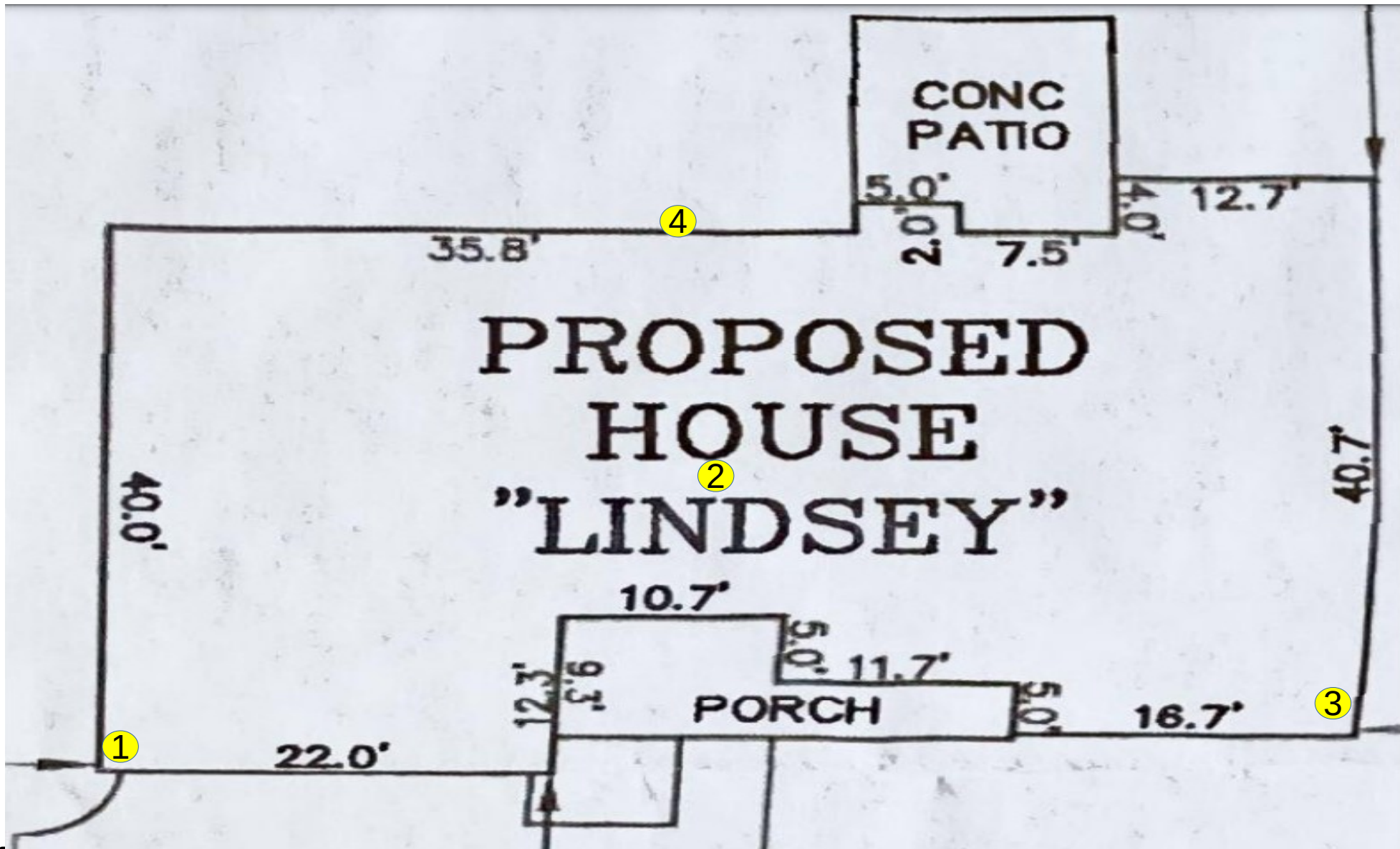
**Summary of Services Performed (field test data, locations, elevations & depths are estimates) & Individuals Contacted.**

The ECS Representative arrived on site, as requested, to check the bearing capacity of soils via hand auger/DCP method for preliminary 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 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 soils, at the areas and elevations tested, should be capable of supporting a foundation designed for a net allowable bearing capacity of 2000 psf.

ECS will return, as requested, for additional services.



Josh Griggs  
 6/18/2021  
 Lot 105 Docs Rd.  
 Proj # 5615  
 W/O # 61702

**Key (NTS)**  
 DCP Locations

#



NORTH



## Report of Spread Footing - Foundation Observations

Project: Lot 105 Docs Rd  
 Location: 3054 Docs Rd  
 Spring Lake - Cumberland - NC - 28390  
 Contractor: W.S. Wellons Realty

Project No.: 33:5615  
 Day/Date: 6/18/2021

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	south west corner	x x	x x	N/A	0		brown sand	6 8-8-10	2000
1	south west corner	x x	x x	N/A	-1		orange clayey sand	6 7-9-9	2000
1	south west corner	x x	x x	N/A	-2		orange clayey sand	6 10-10-10	2000
1	south west corner	x x	x x	N/A	-3		orange clayey sand	6 10-10-10	2000
2	center building pad	x x	x x	N/A	0		orange clayey sand	6 10-10-10	2000
2	center building pad	x x	x x	N/A	-1		orange clayey sand	6 12-12-17	2000
2	center building pad	x x	x x	N/A	-2		orange clayey sand	6 13-15-17	2000
2	center building pad	x x	x x	N/A	-3		orange clayey sand	6 17-21-21	2000
3	south east corner	x x	x x	N/A	0		brown sand	6 6-6-5	2000
3	south east corner	x x	x x	N/A	-1		orange clayey sand	6 9-13-17	2000
3	south east corner	x x	x x	N/A	-2		orange clayey sand	6 14-14-16	2000



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Project No.: 33:5615  
 Day/Date: 6/18/2021

3	south east corner	x x	x x	N/A	-3		orange clayey sand	6	2000
								12-15-17	
4	north	x x	x x	N/A	0		brown sand	6	2000
								5-6-6	
4	north	x x	x x	N/A	-1		orange clayey sand	6	2000
								8-12-16	
4	north	x x	x x	N/A	-2		orange clayey sand	6	2000
								13-18-25+	
4	north	x x	x x	N/A	-3		orange clayey sand	6	2000
								20-25+	

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

By: Josh Griggs

ECS Southeast, LLP

WO: 61702