



ECS Southeast, LLP

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LETTER OF TRANSMITTAL

July 26, 2022
W.S. Wellons Realty
PO Box 766
Spring Lake, NC 28390
ATTN: Jason Wellons

RE: **Lot 34 Hidden Lakes**
ECS Job # **33:6105**

Permits:
Location: **Cypress Dr**
Spring Lake, NC 28390

Field Reports For your use As requested

CC:

ENCL: Field Report # 1 7/25/2022

Jack Cowsert, P.E.
Senior Project Engineer

Ryan H. Parrish
CMT Group Supervisor

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 **Lot 34 Hidden Lakes**
 Location **Spring Lake, NC**
 Client **W.S. Wellons Realty**
 Contractor **W.S. Wellons Realty**

Project No. **33:6105**
 Report No. **1**
 Day & Date **Monday 7/25/2022**
 Weather **89 °/ Sunny**
 On-Site Time **2.75**
 Lab Time **0.00**
 Travel Time* **0.00**
 Total **2.75**
 Re Obs Time **0.00**

Remarks				
Trip Charges*	Tolls/Parking*	Mileage*	Times of Arrival	Departure
Chargeable Items			7:30A	8:15A
			10:45A	12:45P

* 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 undersigned arrived on site, as requested, to observe and evaluate the bearing capacity of soils via hand auger/dcp method for the residential home pad. Please see the attached sketch 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. 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 sub grade elevation. Test results indicated that the materials in place at (lot 34) did appear to be suitable to support the design bearing capacity 2,000 psf.

Due to the foundations not being excavated on today's date, ECS performed testing at 10 feet offsets of the in-place building corner stakes.

ECS will return as requested, to perform additional services.



Report of Spread Footing - Foundation Observations

Project: Lot 34 Hidden Lakes
 Location: Cypress Dr
Spring Lake - Cumberland - NC - 28390
 Contractor: W.S. Wellons Realty

Project No.: 33:6105
 Day/Date: 7/25/2022

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	north pad	x x	x x	N/A	N/A		Orange Sand / Natural (1foot)	6 0(3,3,4)-1(6,6,7)-2 (7,8,9)-3(7,8,8)	2000
2	East pad	x x	x x	N/A	N/A		Orange Sand / Natural (1foot)	6 0(4,5,6)-1(5,6,6)-2 (5,6,7)-3(6,7,8)	2000
3	west pad	x x	x x	N/A			Orange Sand / Natural (1foot)	6 0(3,4,4)-1(3,6,5)-2 (4,5,6)-3(6,7,7)	2000
4	South pad	x x	x x	N/A	N/A		Orange Sand / Natural (1foot)	6 0(3,4,4)-1(6,6,7)-2 (6,7,8)-3(7,7,8)	2000

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

By: Danny Joel Blanco

ECS Southeast, LLP



Report of Spread Footing - Foundation Observations

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Location: Cypress Dr
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Project No.: 33:6105
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WO: 68032