



ECS Southeast, LLP

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LETTER OF TRANSMITTAL

January 18, 2023
W.S. Wellons Realty
PO Box 766
Spring Lake, NC 28390
ATTN: Accounts Payable

RE: **Wellons Realty Lot 109**
ECS Job # **33:6204-L**

Permits:
Location: **11 Sandalwood Dr**
Spring Lake, NC 28390

Field Reports For your use As requested

CC: W.S. Wellons Realty - Jason Wellons

ENCL: Field Report # 1 1/18/2023

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]

FIELD REPORT

Project **Wellons Realty Lot 109**
 Location **Spring Lake, NC**
 Client **W.S. Wellons Realty**
 Contractor **None Listed**

Project No. **33:6204-L**
 Report No. **1**
 Day & Date **Wednesday 1/18/2023**
 Weather **75 °/ Sunny**
 On-Site Time **1.00**
 Lab Time **0.00**
 Travel Time* **0.00**
 Total **1.00**
 Re Obs Time **0.00**

Remarks					
Trip Charges*	Tolls/Parking*	Mileage*	Time of Arrival		Departure
Chargeable Items			1:45P		2:45P

* 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.

ECS Representative arrived on site, as requested, to check the bearing capacity of soils via hand auger/DCP method for monolithic slab foundation. No footings had 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 3 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.



33:6204-L Wellons Realty Lot 109
 Andrew Wiggs 1/18/2023

Test Locations - ○



Report of Spread Footing - Foundation Observations

Project: Wellons Realty Lot 109
 Location: 11 Sandalwood Dr
 Spring Lake - Cumberland - NC - 28390
 Contractor: None Listed

Project No.: 33:6204-L
 Day/Date: 1/18/2023

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	northeast corner of backfill	x x	x x	N/A	N/A		(0/-1/-2/-3) brown sand	6	(0)6,7,8(-1)8,8,8(-2)7,7,8(-3)17,25+	2000
2	southeast corner of backfill	x x	x x	N/A	N/A		(0/-1/-2)brown sand(-3)dark gray sand	6	(0)6,9,11(-1)7,23,18(-2)8,8,8(-3)8,13,12	2000
3	west end of backfill	x x	x x	N/A	N/A		(0)brown sand(-1)orange clayey sand(-2)gray and orange clayey sand(-3) red and gray clayey sand	6	(0)2,5,7(-1)9,14,15(-2)9,9,18(-3)14,25+	2000

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

By: Andrew Wiggs

ECS Southeast, LLP



Report of Spread Footing - Foundation Observations

Project: Wellons Realty Lot 109

Location: 11 Sandalwood Dr
Spring Lake - Cumberland - NC - 28390

Contractor: None Listed

Project No.: 33:6204-L

Day/Date: 1/18/2023

WO: 70520