



**ECS Southeast, LLC**  
 6151 Raeford Road, Suite A  
 Fayetteville, NC 28304  
 T 910.401.3288  
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# LETTER OF TRANSMITTAL

September 03, 2025  
 Caviness & Cates

Fayetteville, NC 28305  
 ATTN: Rico Allende

RE: **465 Black Duck Lane - Lot 103**  
 ECS Job # **33:7022-X**

Permits:  
 Location: **465 Black Duck Lane**  
**Lillington, NC 27546**

☒ Field Reports ☒ For your use ☒ As requested

CC: Caviness & Cates - Cristian Lopez

Caviness & Cates - Gary Bill  
 Caviness & Cates - Mike Sans

ENCL: Field Report # 1 9/2/2025



Jack Cowsert, P.E.  
 Office Manager

**SEP 03 2025**

Aaron Kyle Adair  
 CMT Senior Project Coordinator

## 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 **465 Black Duck Lane - Lot 103**  
 Location **Lillington, NC**  
 Client **Caviness & Cates**  
 Contractor **Caviness & Cates**

Project No. **33:7022-X**  
 Report No. **1**  
 Day & Date **Tuesday 9/2/2025**  
 Weather **70 °/ Sunny**  
 On-Site Time **1.75**  
 Lab Time **0.00**  
 Travel Time\* **0.00**  
 Total **1.75**  
 Re Obs Time **0.00**

### Remarks

Trip Charges*	Tolls/Parking*	Mileage*	Time of Arrival	Departure
Chargeable Items			<b>10:30A</b>	<b>12:15P</b>

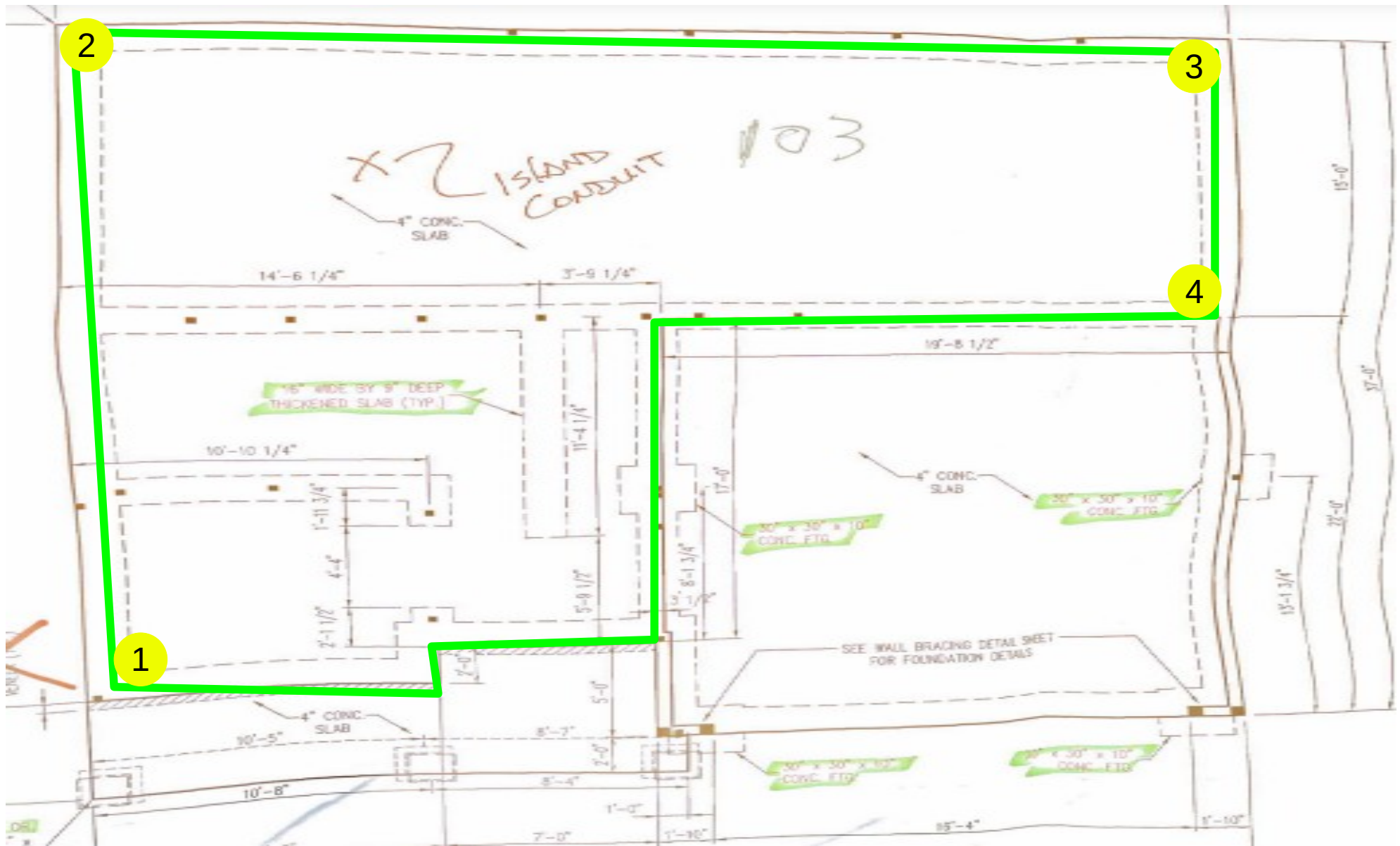
\* Travel time and mileage will be billed in accordance with the contract.

### 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 the monolithic slab foundation footings. 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 footing sub grade elevation. The 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 of 2000 psf.

ECS will return upon request to provide additional services.



Harvey Sangster  
 9/2/2025  
 465 Black duck Ln  
 Lot 103  
 Proj #: 7022-X  
 W/O # 86908

### Key

Excavated Foundation  
 Location =



DCP Test Location =



Transmittal Page 3/6



NORTH





## Report of Foundation Observations

Project: 465 Black Duck Lane - Lot 103  
 Location: 465 Black Duck Lane  
 Lillington - Harnett - NC - 27546

ECS Project No. : 33:7022-X  
 Date: 9/2/2025

General Location: Foundation footings for building pad  
 Footing Type: Continuous

Design Bearing Pressure: 2000

Test No.	Location	Size			Footing Bottom Elevation		Depth of Undercut	Description of Steel Placed	Description of Foundation Subgrade Material	Depth of Test*	Number of Blows
			Design	Actual	Design	Actual**					
1	SW corner footing	W	0' 0"	0' 0"			0' 0"		(0/-3) Grey Sand	0	8,10,11
		D	0' 0"	0' 0"						-1	6,10,9
		L	0' 0"	0' 0"						-2	8,9,12
										-3	8,9,7
2	NW corner footing	W	0' 0"	0' 0"			0' 0"		(0/-1)Tan Sand(-2/-3) Orange Sandy Clay	0	7,8,6
		D	0' 0"	0' 0"						-1	6,8,6
		L	0' 0"	0' 0"						-2	15+
										-3	15+
3	NE corner footing	W	0' 0"	0' 0"			0' 0"		(0/-1)Tan Grey Sand(-2/-3)Orange Sandy Clay	0	7,9,15+
		D	0' 0"	0' 0"						-1	6,5,7
		L	0' 0"	0' 0"						-2	13,12,8
										-3	10,6,7
4	SE corner of footing	W	0' 0"	0' 0"			0' 0"		(0)Tan Sand(-1/-3)Orange Clay Sand	0	6,5,8
		D	0' 0"	0' 0"						-1	4,5,10
		L	0' 0"	0' 0"						-2	8,15+
										-3	12,15+

\* Depth of DCP, or other methods of determining the soil stiffness

\*\* Subgrade elevation reported by any means the contractor provided

By: Harvey Lamar Sangster

ECS Southeast, LLC

WO: 86908

# Attachments



1

Figure 1



2

Figure 2

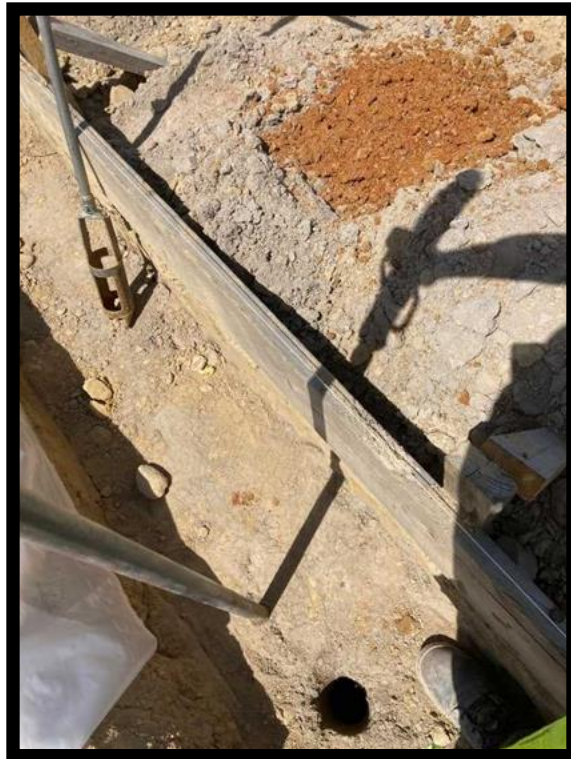


## Attachments



3

Figure 3



4

Figure 4