



ECS Southeast, LLP

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LETTER OF TRANSMITTAL

September 9, 2022
Ben Stout Construction
PO Box 53798
Fayetteville, NC 28305
ATTN: Robert Ivey

RE: **Lot 4 850 Cypress Rd**
ECS Job # **33:6172**

Permits:
Location: **850 Cypress Rd**
Cameron, NC 28326

Field Reports For your use As requested

CC:

ENCL: Field Report # 2 9/8/2022 Foundation Soils Bearing



SEP 09 2022

Jack Cowsert, P.E.
Office Manager

Charles A. Pearson
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.



ECS Southeast, LLP
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FIELD REPORT

Project **Lot 4 850 Cypress Rd**
 Location **Cameron, NC**
 Client **Ben Stout Construction**
 Contractor **Ben Stout Construction**

Project No. **33:6172**
 Report No. **2**
 Day & Date **Thursday 9/8/2022**
 Weather **75 °/ Cloudy**
 On-Site Time **1.25**
 Lab Time **0.00**
 Travel Time* **0.00**
 Total **1.25**
 Re Obs Time **0.00**

Remarks **Foundation Soils Bearing**

Trip Charges*	Tolls/Parking*	Mileage*	Time of Arrival	Departure
Chargeable Items			11:30A	12:45P

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

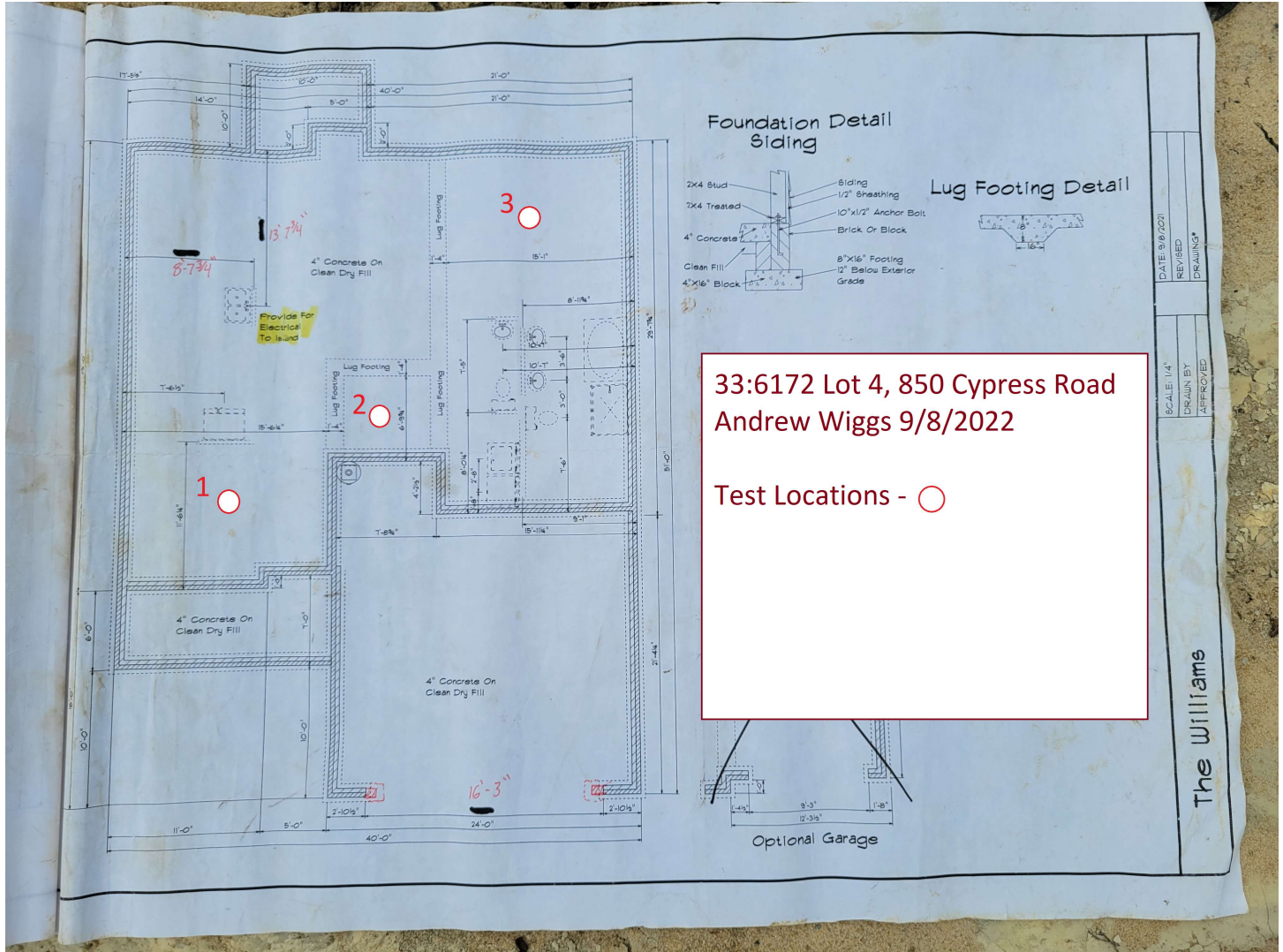
Summary of Services Performed (field test data, locations, elevations & depths are estimates) & Individuals Contacted.

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 for approximate test locations.

A hand auger was used to advance the boreholes to different depths noted on the boring logs. Dynamic Cone Penetrometer (DCP) testing was 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 attached DCP data sheet.

A total of 3 hand auger/DCP evaluations were performed to a depth of approximately 3 feet below the current soil sub grade elevation. Test data indicates that the in-place materials, at the locations and elevations tested, did appear to be suitable to support a design bearing capacity 2,000 psf.

ECS will return upon request to provide additional services.



33:6172 Lot 4, 850 Cypress Road
 Andrew Wiggs 9/8/2022

Test Locations - ○

DATE 9/8/2021
 REVISED
 DRAWING

SCALE 1/4"
 DRAWN BY
 APPROVED

The Williams



Report of Spread Footing - Foundation Observations

Project: Lot 4 850 Cypress Rd
 Location: 850 Cypress Rd
 Cameron - Moore - NC - 28326
 Contractor: Ben Stout Construction

Project No.: 33:6172
 Day/Date: 9/8/2022

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	southwest corner of stem wall backfill	x x	x x	N/A	N/A		(0/-1/-2)tan sand(-3)brown sand	6 (0)8,10,9(-1)4,5,6(-2) 10,12,13(-3)6,5,5	2000
1	center of stem wall backfill near lug footing	x x	x x	N/A	N/A		(0/-1)tan sand(-2/-3)brown sand	6 (0)6,7,6(-1)10,12,12(-2) 19,13,13(-3)14,15,15	2000
1	northwest corner of stem wall backfill	x x	x x	N/A	N/A		(0)tan sand(-1) dark gray silty sand(-2)tan sand(-3)dark gray sand	6 (0)10,11,13(-1)17,23,24 (-2)14,14,17(-3)25+	2000

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

By: Andrew Wiggs

ECS Southeast, LLP

WO: 68732