NC Registered Firm # F-1078

ECS Southeast, LLP
6151 Raeford Road, Suite A
Fayetteville, NC 28304
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LETTER OF TRANSMITTAL

September 12, 2022
Ben Stout Construction
PO Box 53798
Fayetteville, NC 28305

ATTN: Robert Ivey

RE: **Lot 5 Cypress Rd**
ECS Job # **33:6182**

Permits:
Location: **876 Cypress Rd**
Cameron, NC 28326

X	Field Reports	**X**	For your use	**X**	As requested

CC:

ENCL: Field Report # 1 9/12/2022

Jack Cowsert, P.E.
Office Manager

Aaron 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.

NC Registered Engineering Firm # F-1078

ECS Southeast, LLP
6151 Raeford Road, Suite A
Fayetteville, NC 28304
(910) 401-3288 [Phone]
(910) 323-0539 [Fax]

FIELD REPORT

Project	**Lot 5 Cypress Rd**
Location	**Cameron, NC**
Client	**Ben Stout Construction**
Contractor	**Ben Stout Construction**

Project No.	**33:6182**
Report No.	**1**
Day & Date	**Monday 9/12/2022**
Weather	**75 °/ Sunny**
On-Site Time	**1.25**
Lab Time	**0.00**
Travel Time*	**0.00**
Total	**1.25**
Re Obs Time	**0.00**

Remarks

Trip Charges*	Tolls/Parking*	Mileage*	Time of	Arrival	Departure
Chargeable Items				**8:30A**	**9:45A**

* 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.

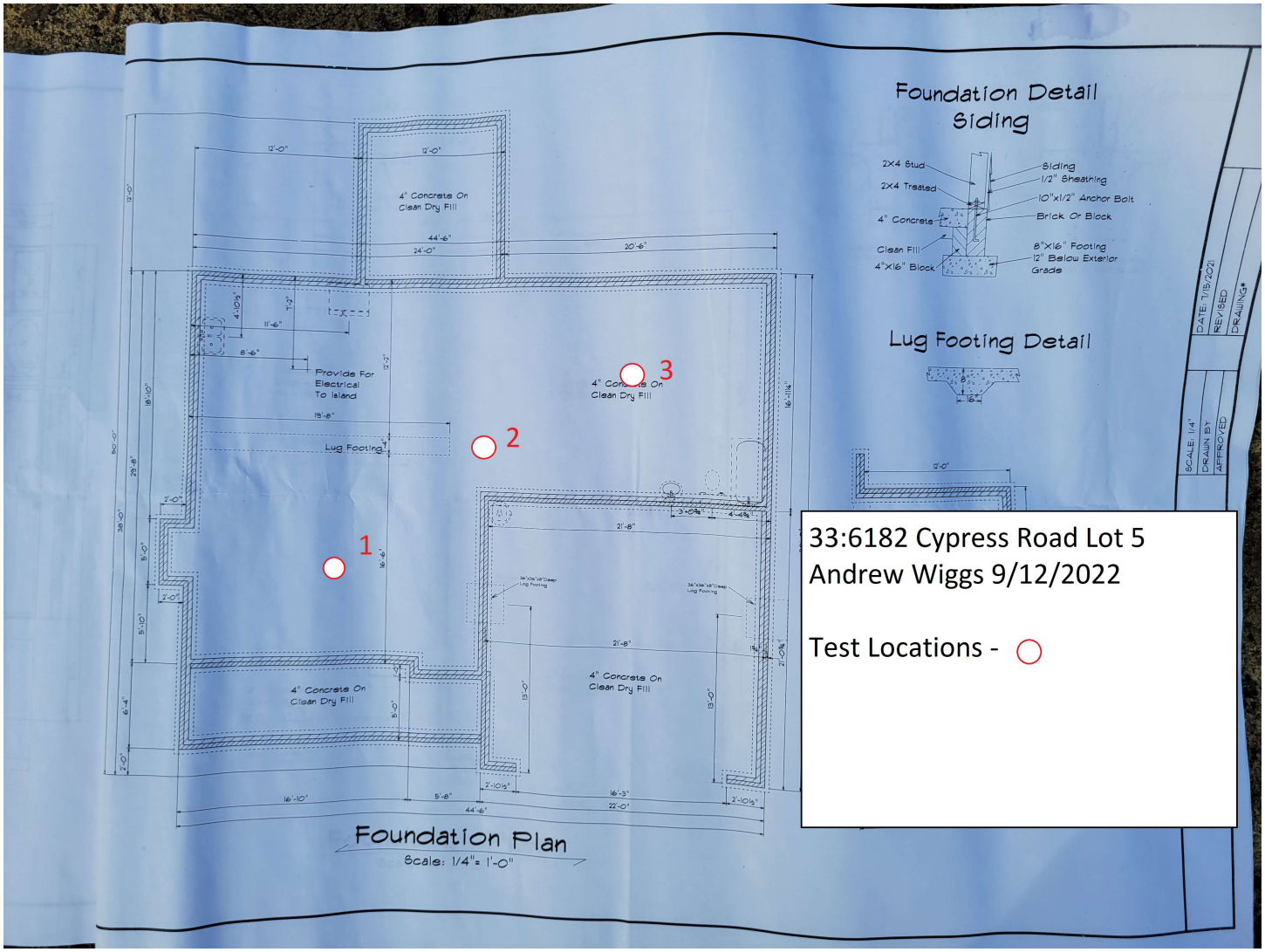
ECS arrived on site, as requested, to check the bearing capacity of soils via hand auger/DCP method for stem-wall backfill. Please see the attached sketch and data sheet for details.

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. 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 2,000 psf.

ECS will return upon request.

By Andrew Wiggs 1800


Foundation Detail
Siding
2X4 Stud
2X4 Treated
4" Concrete
Clean Fill
4"X16" Block
Siding
1/2" Sheathing
10"x1/2" Anchor Bolt
Brick Or Block
8"X16" Footing
12" Below Exterior Grade
Lug Footing Detail
4" Concrete On Clean Dry Fill
Provide For Electrical To Island
Lug Footing
1
2
3
33:6182 Cypress Road Lot 5
Andrew Wiggs 9/12/2022
Test Locations -
Foundation Plan
Scale: 1/4"= 1'-0"
DATE 11/15/2021
REVISED
DRAWING#
SCALE 1/4"
DRAWN BY
APPROVED

NC Registered Firm # F-1078

Report of Spread Footing - Foundation Observations

Project: Lot 5 Cypress Rd
Location: 876 Cypress Rd
Cameron - Moore - NC - 28326
Contractor: Ben Stout Construction

Project No.: 33:6182
Day/Date: 9/12/2022

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)tan sand(-1/-2/-3)brown clayey sand	6 (0)4,6,5(-1)15,14,13(-2)9,12,10(-3)7,9,10	2000
1	center of stem wall backfill near lug footing	x x	x x	N/A	N/A		(0)tan sand(-1/-2/-3)brown clayey sand	6 (0)3,5,6(-1)4,8,20(-2)13,10,13(-3)9,12,15	2000
1	northeast corner of stem wall backfill	x x	x x	N/A	N/A		(0)tan sand(-1/-2/-3)brown clayey sand	6 (0)4,5,9(-1)5,7,7(-2)8,7,7(-3)9,10,10	2000

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

By: Andrew Wiggs

ECS Southeast, LLP

WO: 68757