NC Registered Firm # F-1078

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

September 6, 2022
Ben Stout Construction
PO Box 53798
Fayetteville, NC 28305

ATTN: Robert Ivey

RE: **Lot 3 830 Cypress Rd**
ECS Job # **33:6165**

Permits:
Location: **830 Cypress Rd**
Cameron, NC 28326

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

CC:

ENCL: Field Report # 1 8/30/2022 Foundation Soils Bearing

NORTH CAROLINA PROFESSIONAL SEAL 15382 ENGINEER JACK COWSERT

SEP 06 2022

Jack Cowsert, PE.
Office Manager

Charles A. Pearson
CMT Senior Project Coordinator

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 No.	**33:6165**
Report No.	**1**
Day & Date	**Tuesday 8/30/2022**
Weather	**78 °/ Sunny**
On-Site Time	**1.00**
Lab Time	**0.00**
Travel Time*	**0.00**
Total	**1.00**
Re Obs Time	**0.00**

Project	**Lot 3 830 Cypress Rd**
Location	**Cameron, NC**
Client	**Ben Stout Construction**
Contractor	**Ben Stout Construction**

Remarks **Foundation Soils Bearing**

Trip Charges*	Tolls/Parking*	Mileage*	Time of	Arrival	Departure
Chargeable Items				**9:45A**	**10:45A**

* 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.

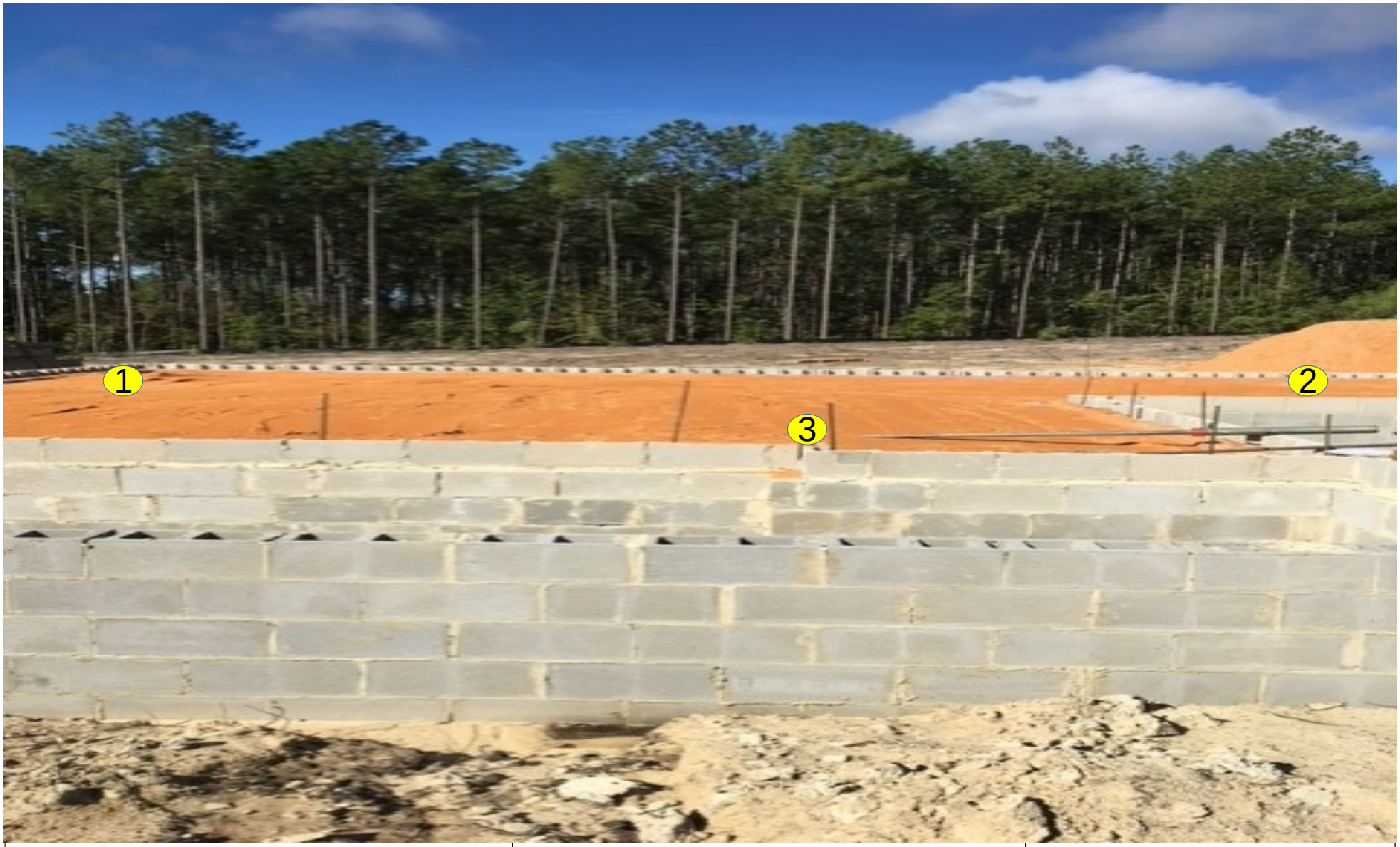
ECS arrived on site, as requested, to check the bearing capacity of soils via hand auger/DCP method for foundation footings. Please see the attached sketch for approximate test locations.

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, as requested, to perform additional services.

By George Pate Oxendine Jr. 1800



George Oxendine
DATE 8/30/2022
Job: Lot 3 Cypress
J#: 6165
W.O.#: 68612

KEY

DCP Locations (#)

Design Sheet #:

North

NC Registered Firm # F-1078

Report of Spread Footing - Foundation Observations

Project: Lot 3 830 Cypress Rd
Location: 830 Cypress Rd
Cameron - Moore - NC - 28326
Contractor: Ben Stout Construction

Project No.: 33:6165
Day/Date: 8/30/2022

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	west lug footing	x x	x x	N/A	N/A		(0/-3) orange sand	6 (0)3-3-4(-1)3-5-5(-2)3-4-5(-3)5-9-11	2000
2	east stem wall back fill	x x	x x	N/A	N/A		(0/-2) orange sand (-3) tan sand	6 (0)3-3-4(-1)6-8-8(-2)7-7-7(-3)12-17-14	2000
3	south stem wall back fill	x x	x x	N/A	N/A		(0) orange sand (-1/-3) tan sand	6 (0)3-6-7(-1)6-6-7(-2)7-5-5(-3)9-8-6	2000

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

By: George Pate Oxendine Jr.

ECS Southeast, LLP

WO: 68612