



ECS Southeast, LLP

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Fayetteville, NC 28304
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LETTER OF TRANSMITTAL

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

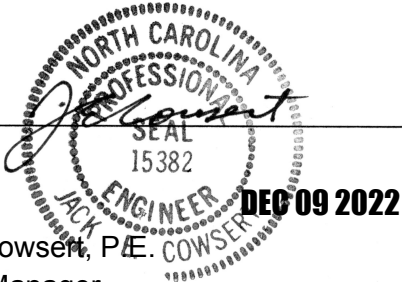
RE: **Liberty Meadows Lot 46**
ECS Job # **33:6122-Q**

Permits:
Location: **24 Melville Ln.**
Cameron, NC 28326

Field Reports For your use As requested

CC:

ENCL: Field Report # 1 12/8/2022



Jack Cowser, 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.



ECS Southeast, LLP
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 Fayetteville, NC 28304
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FIELD REPORT

Project **Liberty Meadows Lot 46**
 Location **Cameron, NC**
 Client **Ben Stout Construction**
 Contractor **Ben Stout Construction**

Project No. **33:6122-Q**
 Report No. **1**
 Day & Date **Thursday 12/8/2022**
 Weather **60 °/ Sunny**
 On-Site Time **0.75**
 Lab Time **0.25**
 Travel Time* **1.50**
 Total **2.50**
 Re Obs Time **0.00**

Remarks

Trip Charges*	Tolls/Parking*	Mileage* 60	Time of Arrival	Departure
Chargeable Items			9:00A	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 Representative arrived on site, as requested, to check the bearing capacity of soils via hand auger/DCP method for a monolithic slab. 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. 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, as requested, for additional services.



Sulaiman Sharieff
Project #. 6122-Q
Work Order #70040
12/08/2022

Key
#DCP



Report of Spread Footing - Foundation Observations

Project: Liberty Meadows Lot 46
 Location: 24 Melville Ln.
 Cameron - Harnett - NC - 28326
 Contractor: Ben Stout Construction

Project No.: 33:6122-Q
 Day/Date: 12/8/2022

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	South East	x x	x x	N/A	0,-1,-2,-3		(0) orange sand (-1,-2,-3) grey sand	6 (0)6-5-7 (-1)8-8-9(-2)6-6 -7(-3)13-11-12	2000
2	North East	x x	x x	N/A	0,-1,-2,-3		(0) orange sand (-1,-2,-3) grey sand	6 (0)6-6-8 (-1)10-10-8(-2) 10-8-9(-3)13-13-15	2000
3	North West	x x	x x	N/A	0,-1,-2,-3		(0) orange sand (-1,-2,-3) grey sand	6 (0)6-6-7 (-1)11-12-14(- 2)10-9-8(-3)4-4-5	2000
4	South West	x x	x x	N/A	0,-1,-2,-3		(0) orange sand (-1,-2,-3) grey sand	6 (0)6-5-6 (-1)8-8-14(-2)7- 8-6(-3)8-9-13	2000

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

By: Sulaiman Sharieff

ECS Southeast, LLP



Report of Spread Footing - Foundation Observations

Project: Liberty Meadows Lot 46
Location: 24 Melville Ln.
Cameron - Harnett - NC - 28326
Contractor: Ben Stout Construction

Project No.: 33:6122-Q
Day/Date: 12/8/2022

WO: 70040