



ECS Southeast, LLP

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LETTER OF TRANSMITTAL

September 27, 2022
Precision Custom Homes

Raeford, NC 28376
ATTN: Shaun Gardner

RE: **Liberty Meadows Lot 20**
ECS Job # **33:6122-J**

Permits:
Location: **168 Edes Ct**
Cameron, NC 28326

Field Reports For your use As requested

CC: Precision Custom Homes - Allen Peterson Precision Custom Homes - Lauren Ceruti

ENCL: Field Report # 1 9/23/2022



SEP 26 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 20**
 Location **Cameron, NC**
 Client **Precision Custom Homes**
 Contractor **Precision Custom Homes**

Project No. **33:6122-J**
 Report No. **1**
 Day & Date **Friday 9/23/2022**
 Weather **70 °/ Sunny**
 On-Site Time **1.50**
 Lab Time **0.00**
 Travel Time* **0.00**
 Total **1.50**
 Re Obs Time **0.00**

Remarks

Trip Charges*	Tolls/Parking*	Mileage*	Time of Arrival	Departure
Chargeable Items			10:00A	11:30A

* 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 monolithic slab foundation. 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 4 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 of 2,000 psf.

ECS will return upon request.



33:6122-J Liberty Meadows Lot 20
Andrew Wiggs 9/23/2022

Test Locations - ○



Report of Spread Footing - Foundation Observations

Project: Liberty Meadows Lot 20
 Location: 168 Edes Ct
 Cameron - Harnett - NC - 28326
 Contractor: Precision Custom Homes

Project No.: 33:6122-J
 Day/Date: 9/23/2022

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 building pad	x x	x x	N/A	N/A		(0)orange sand (-1)gray sand(-2/-3)brown clayey sand	6 (0)3,4,7(-1)9,19,23(-2)14,20,15(-3)20,23,25+	2000
1	northwest corner of building pad	x x	x x	N/A	N/A		(0)orange sand (-1)gray silty sand(-2)gray sandy gravel(-3) brown and orange clayey sand	6 (0)7,8,7(-1)6,10,17(-2)1,20,15(-3)20,23,25+	2000
1	northeast corner of building pad	x x	x x	N/A	N/A		(0)orange sand (-1)brown silty sand(-2)brown and dark gray silty sand(-3) dark gray silty sand	6 (0)4,6,6(-1)7,8,13(-2)14,16,12(-3)10,10,10	2000
1	southeast corner of building pad	x x	x x	N/A	N/A		(0/-1)brown silty sand(-2/-3) brown clayey sand	6 (0)8,13,25+(-1)21,18,14(-2)19,20,25+(-3)25+	2000

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



Report of Spread Footing - Foundation Observations

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Day/Date: 9/23/2022

By: Andrew Wiggs

ECS Southeast, LLP

WO: 68933