



**ECS Southeast, LLP**

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**LETTER OF TRANSMITTAL**

September 15, 2022  
Precision Custom Homes

Raeford, NC 28376  
ATTN: Mr. Allen Peterson

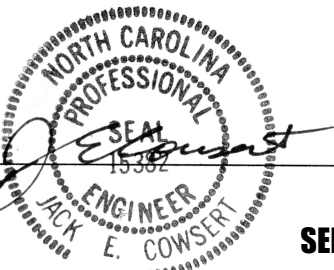
RE: **Liberty Meadows Lot 34**  
ECS Job # **33:6122-F**

Permits:  
Location: **21 Brewster Ct**  
**Cameron, NC 28326**

Field Reports       For your use       As requested

CC:

ENCL: Field Report # 1      9/13/2022



**SEP 15 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.



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## FIELD REPORT

Project **Liberty Meadows Lot 34**  
 Location **Cameron, NC**  
 Client **Precision Custom Homes**  
 Contractor **Precision Custom Homes**

Project No. **33:6122-F**  
 Report No. **1**  
 Day & Date **Tuesday 9/13/2022**  
 Weather **85 °/ 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			<b>1:15P</b>	<b>2:45P</b>

\* 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 2,000 psf.

ECS spoke with Allen Peterson with Precision Customs Homes. ECS recommended that Allen have the contractors moisture condition the subgrade and compacted the material with a plate tamp. No further observation will be needed from ECS after recommendations have been complete.

ECS will return upon request.





## Report of Spread Footing - Foundation Observations

Project: Liberty Meadows Lot 34  
 Location: 21 Brewster Ct  
 Cameron - Harnett - NC - 28326  
 Contractor: Precision Custom Homes

Project No.: 33:6122-F  
 Day/Date: 9/13/2022

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	southeast corner of building pad	x x	x x	N/A	N/A		(0/-1)orange silty sand(-2) dark gray silty sand(-3)brown sand	6 (0)9,11,9(-1)8,10,10(-2)10,13,16(-3)11,10,9	2000
1	northeast corner of building pad	x x	x x	N/A	N/A		(0/-1/-2/-3) orange silty sand	6 (0)4,4,4(-1)7,8,9(-2)13,15,15(-3)12,11,12	2000
1	northwest corner of building pad	x x	x x	N/A	N/A		(0)orange silty sand(-1/-2/-3) brown silty sand with gravel	6 (0)6,6,9(-1)13,14,13(-2)19,17,23(-3)25+	2000
1	southwest corner of building pad	x x	x x	N/A	N/A		(0)brown sand with gravel(-1/-2/-3)brown and red clayey sand	6 (0)4,9,16(-1)8,12,20(-2)14,25+(-3)18,19,19	2000

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

By: Andrew Wiggs



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Project No.: 33:6122-F  
Day/Date: 9/13/2022

ECS Southeast, LLP

WO: 68730