



ECS Southeast, LLP

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Fayetteville, NC 28304
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LETTER OF TRANSMITTAL

August 29, 2023
Precision Custom Homes

Raeford, NC 28376
ATTN: Shaun Gardner

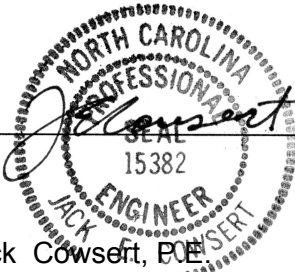
RE: **Liberty Meadows Lot 42**
ECS Job # **33:6442-J**

Permits:
Location: **341 Solomon Dr**
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 8/25/2023



AUG 29 2023

Jack Cowser, PE
Office Manager

Aaron Kyle 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 42**
 Location **Cameron, NC**
 Client **Precision Custom Homes**
 Contractor **Precision Custom Homes**

Project No. **33:6442-J**
 Report No. **1**
 Day & Date **Friday 8/25/2023**
 Weather **100 % Sunny**
 On-Site Time **2.25**
 Lab Time **0.00**
 Travel Time* **0.00**
 Total **2.25**
 Re Obs Time **0.00**

Remarks

Trip Charges*	Tolls/Parking*	Mileage*	Time of Arrival	Departure
Chargeable Items			8:00A	10:15A

* 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.

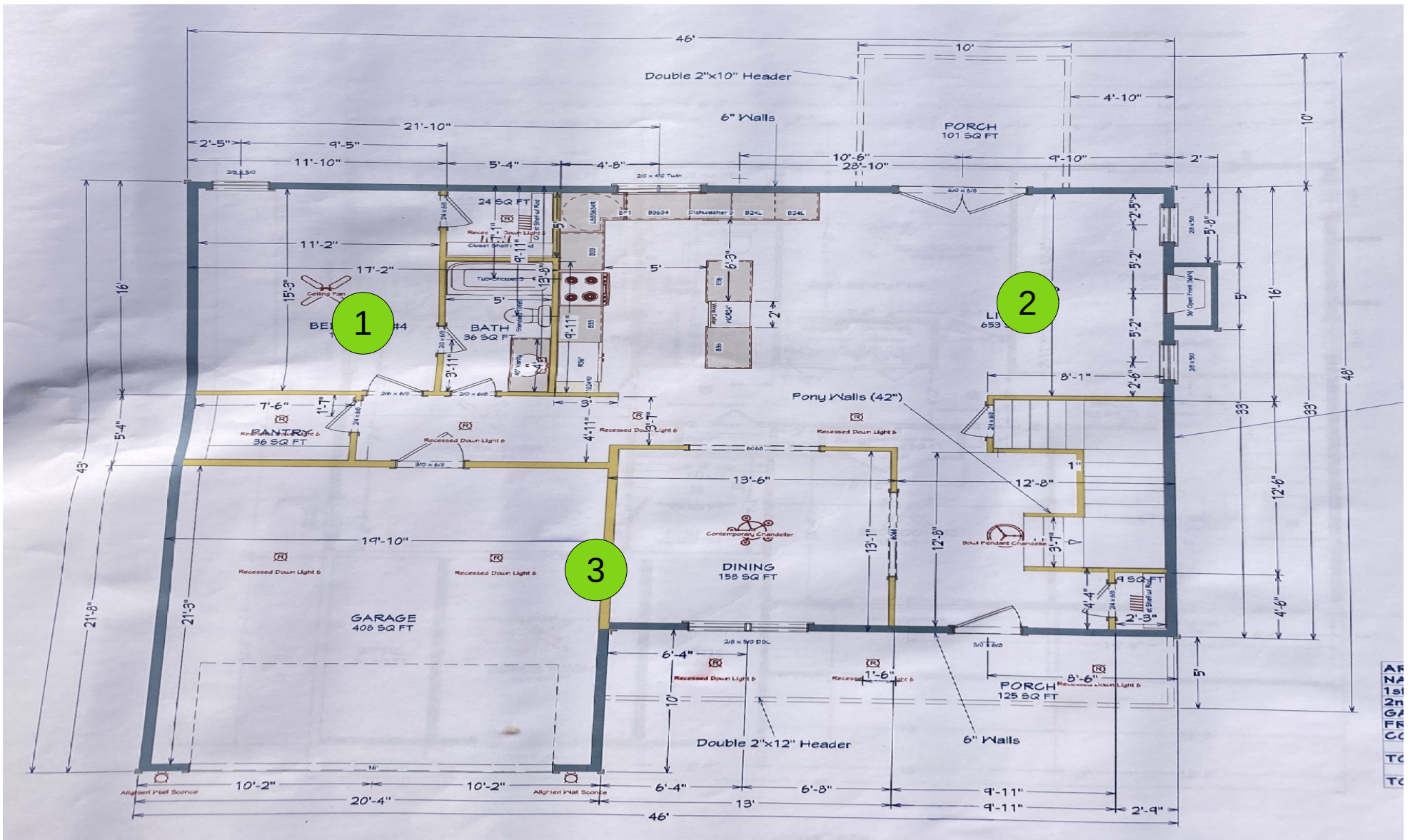
The undersigned arrived on site, as requested, to observe the bearing capacity of the soils for the monolithic slab foundation. The footings have not been excavated.

Utilizing a Dynamic Cone Penetrometer (ASTM STP-399) to check the bearing capacity of soil at the aforementioned location(s), test results indicated that soils, at the areas and elevations tested, should be capable of supporting a foundation designed for a net allowable bearing capacity of 2000 psf respectively.

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 sub grade elevation. It is to the opinion of ECS that the materials in place (at the locations and elevations tested) did appear to be suitable to support a design bearing capacity 2000 psf.

ECS will return for additional services.

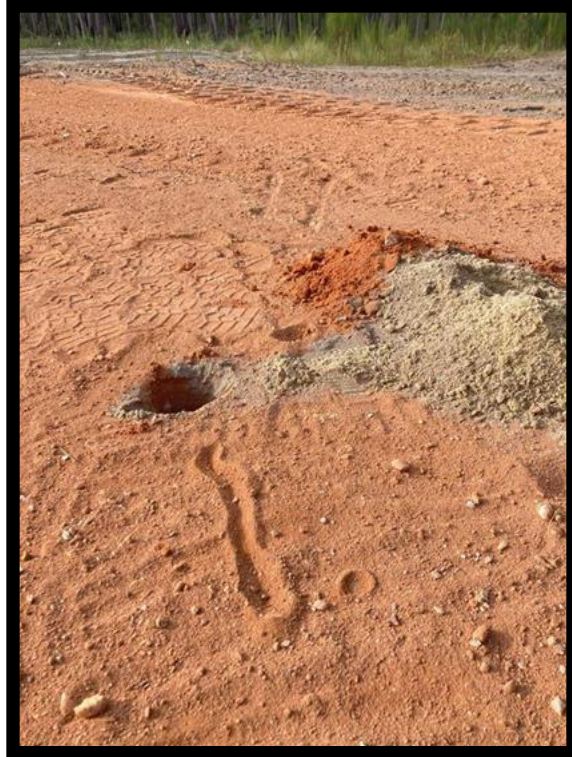


Gerald Bowling
 25 AUG. 2023
 Liberty Meadows lot-42
 Proj.# 6442-J
 W/O#:73848

Key:
 DCP's building pad ●
 Test/sample Locations ● #



Attachments



IMG_1491

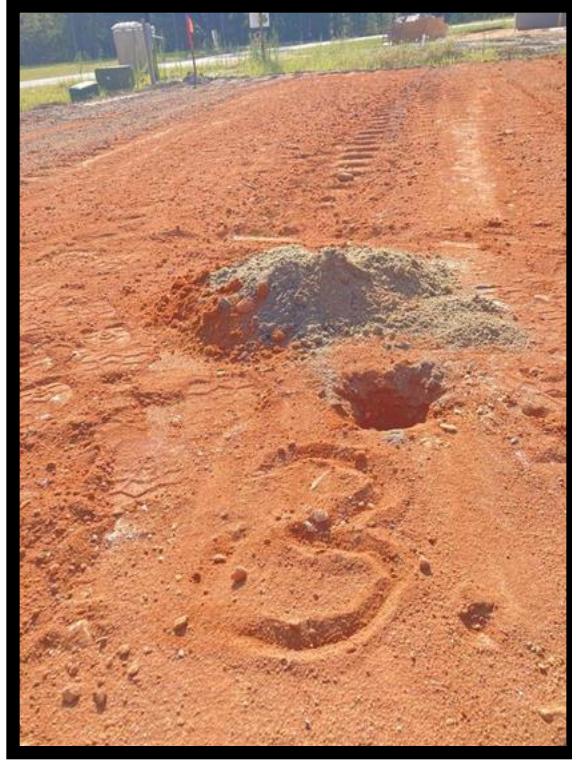
Figure 1



IMG_1492

Figure 2

Attachments



IMG_1493

Figure 3



IMG_1494

Figure 4

Attachments



IMG_1495

Figure 5



IMG_1497

Figure 6



Report of Spread Footing - Foundation Observations

Project: Liberty Meadows Lot 42
 Location: 341 Solomon Dr
 Cameron - Moore - NC - 28326
 Contractor: Precision Custom Homes

Project No.: 33:6442-J
 Day/Date: 8/25/2023

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	NW. Building pad area	x x	x x	N/A	0,-1,-2,-3		orange silty sand, tan gray silty sand	6 (0)17,25+ (-1)10,7,10 (-2)15,11,11 (-3)14,11,10	2000
2	NE. Building pad area	x x	x x	N/A	0,-1,-2,-3		orange silty sand, tan gray silty sand	6 (0)25+ (-1)25+ (-2)8,8,8 (-3)11,8,6	2000
3	South Building pad area	x x	x x	N/A	0,-1,-2,-3		orange silty sand, tan gray silty sand	6 (0)15,17,17 (-1)17,14,15 (-2)15,12,14 (-3)11,12,12	2000

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

By: Gerald John Bowling

ECS Southeast, LLP

WO: 73848