



ECS Southeast, LLP

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LETTER OF TRANSMITTAL

August 17, 2021
Ben Stout Construction
PO Box 53798
Fayetteville, NC 28305
ATTN: Zinford Hardin

RE: **Forest Ridge Lot 31**
ECS Job # **33:5565-C**

Permits:
Location: **154 Tanna PI**
Spout Springs, NC 28326

Field Reports For your use As requested

CC:

ENCL: Field Report # 1 8/12/2021 Stem Wall

Mingo Crowley
Office Manager

Dereck P. Martin, P.E.
Assistant Office Manager

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
 6151 Raeford Road, Suite A
 Fayetteville, NC 28304
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FIELD REPORT

Project **Forest Ridge Lot 31**
 Location **Spout Springs, NC**
 Client **Ben Stout Construction**
 Contractor **Ben Stout Construction**

Project No. **33:5565-C**
 Report No. **1**
 Day & Date **Thursday 8/12/2021**
 Weather **85 °/ Sunny**
 On-Site Time **1.75**
 Lab Time **0.00**
 Travel Time* **0.00**
 Total **1.75**
 Re Obs Time **0.00**

Remarks **Stem Wall**

Trip Charges*	Tolls/Parking*	Mileage*	Time of Arrival	Departure
Chargeable Items			9:15A	11:00A

* 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 stem wall backfill. 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. It is to the opinion of ECS that the materials in place (at the locations and elevations tested) did *****NOT***** appear to be suitable to support the design bearing capacity 2000 psf/stem wall and slab.

It is recommended that the upper foot of the building slab be recompactd with a mini-rammax or jumping-jack tamp.

ECS will return as needed to verify the upper soils compaction efforts.



Report of Spread Footing - Foundation Observations

Project: Forest Ridge Lot 31
 Location: 154 Tanna Pl
 Spout Springs - Harnett - NC - 28326
 Contractor: Ben Stout Construction

Project No.: 33:5565-C
 Day/Date: 8/12/2021

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	lug footing	x x	x x	N/A	0		orange Sand	6 5,5,5	2000
1	lug footing	x x	x x	N/A	-1		orange Sand	6 3.3,4	2000
1	lug footing	x x	x x	N/A	-2		Brown Tan Sand	6 7,14,20	2000
1	lug footing	x x	x x	N/A	-3		Tan Sand	6 9,14,14	2000
2	North east	x x	x x	N/A	0		Orange Sand	6 1,1,1	2000
2	North east	x x	x x	N/A	-1		Orange Sand	6 5,6,6	2000
2	North east	x x	x x	N/A	-2		Orange Sand	6 6,7,12	2000
2	North east	x x	x x	N/A	-3		auger refusal	6 0	2000
3	South West	x x	x x	N/A	0		Orange Sand	6 4,4,4	2000
3	South West	x x	x x	N/A	-1		Orange Sand	6 11,11,11	2000
3	South West	x x	x x	N/A	-2		Brown Tan Sand	6 12,25,+	2000



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3	South West	x x	x x	N/A	-3		Brown Tan Sand	6 10,25,+	2000
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** SGE: Subgrade Elevation to be determined by surveyor.

By: Kyle Adair

 ECS Southeast, LLP

WO: 62653