



ECS Southeast, LLP

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LETTER OF TRANSMITTAL

June 21, 2021
Ben Stout Construction
PO Box 53798
Fayetteville, NC 28305
ATTN: Robert Ivey

RE: **Forest Ridge**
ECS Job # **33:5565-A**

Permits:
Location: **103 Tanna PI**
Spout Springs, NC 28326

Field Reports For your use As requested

CC:

ENCL: Field Report # 1 6/17/2021

Jack Edgar Cowsert, P.E.
Senior Project Engineer

Donny Johnson
Field Services 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
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 Fayetteville, NC 28304
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FIELD REPORT

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

Project No. **33:5565-A**
 Report No. **1**
 Day & Date **Thursday 6/17/2021**
 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			1:00P	2:30P

* 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 ECS Representative arrived on site, as requested, to check the bearing capacity of soils via hand auger/DCP method for stem wall backfill, residential slab. 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 2 hand auger/DCP evaluations were performed to a depth of approximately 3 feet below the current footing sub grade elevation. 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.

ECS will return, as needed, for additional services.



Josh Griggs
 6/17/2021
 Forest Ridge
 Proj # 5565-A
 W/O # 61619

DCP Locations #



NORTH
 ↑



Report of Spread Footing - Foundation Observations

Project: Forest Ridge
 Location: 103 Tanna Pl
 Spout Springs - Harnett - NC - 28326
 Contractor: Ben Stout Construction

Project No.: 33:5565-A
 Day/Date: 6/17/2021

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	northeast footing	x x	x x	N/A	0		orange sand	6 6-6-5	2000
1	northeast footing	x x	x x	N/A	-1		orange clayey sand	6 8-9-9	2000
1	northeast footing	x x	x x	N/A	-2		gray clayey sand	6 6-6-6	2000
1	northeast footing	x x	x x	N/A	-3		gray clayey sand	6 7-7-6	2000
2	northwest footing	x x	x x	N/A	0		orange sand	6 8-8-8	2000
2	northwest footing	x x	x x	N/A	-1		Orange Clayey Sand	6 9-9-9	2000
2	northwest footing	x x	x x	N/A	-2		Gray Clayey Sand	6 11-11-10	2000
2	northwest footing	x x	x x	N/A	-3		Gray Clayey Sand	6 12-14-14	2000

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



Report of Spread Footing - Foundation Observations

Project: Forest Ridge
Location: 103 Tanna Pl
Spout Springs - Harnett - NC - 28326
Contractor: Ben Stout Construction

Project No.: 33:5565-A
Day/Date: 6/17/2021

By: Josh Griggs

ECS Southeast, LLP

WO: 61619