



ECS Southeast, LLP

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LETTER OF TRANSMITTAL

November 4, 2020
Ben Stout Construction
409 Chicago Dr. Unit 103
Fayetteville, NC 28306
ATTN: Robert Ivey

RE: **2631 Darroch Rd**
ECS Job # **33:5389-B**

Permits:
Location: **2631 Darroch Rd**
Bunnlevel, NC 27546

Field Reports For your use As requested

CC:

ENCL: Field Report # 1 11/2/2020

Jack Edgar Cowser, 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 **2631 Darroch Rd**
Location **Bunnlevel, NC**
Client **Ben Stout Construction**
Contractor **Ben Stout Construction**

Project No. **33:5389-B**
Report No. **1**
Day & Date **Monday 11/2/2020**
Weather **47 °/ Sunny**
On-Site Time **1.00**
Lab Time **0.00**
Travel Time* **0.00**
Total **1.00**
Re Obs Time **0.00**

Remarks

Trip Charges*	Tolls/Parking*	Mileage*	Time of Arrival	Departure
Chargeable Items			2:30P	3:30P

* Travel time and mileage will be billed in accordance with the contract.

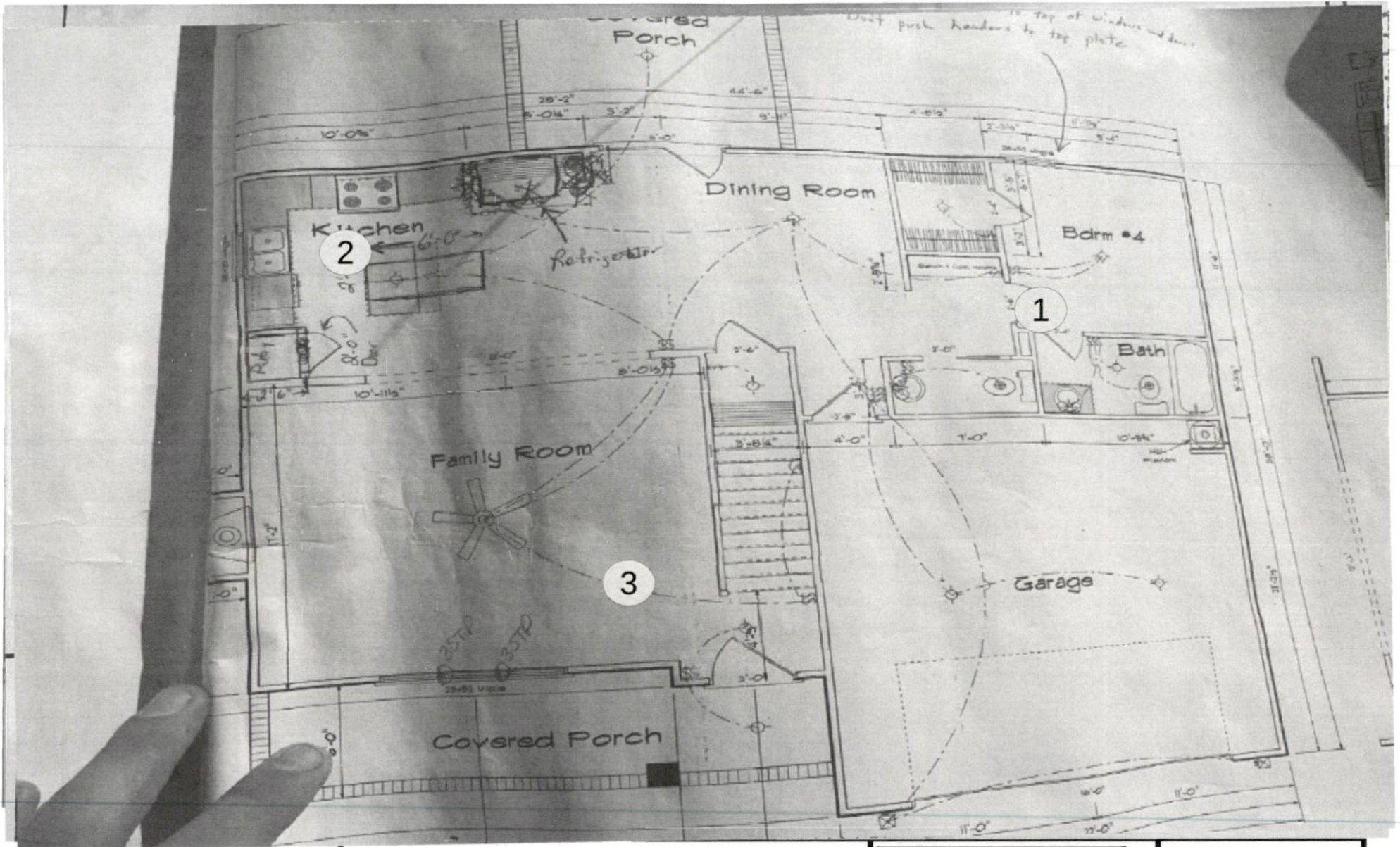
Summary of Services Performed (field test data, locations, elevations & depths are estimates) & Individuals Contacted.

The ECS Representative arrived on site, as requested, to check the bearing capacity of soils via hand auger/DCP method for stemwall backfill soils for 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 3 hand auger/DCP evaluations were performed to a depth of approximately 3 feet below the current slab on grade subgrade elevation. It is the opinion of ECS that the fill materials in place, at the locations and elevations tested, did appear to be suitable to support the design bearing capacity 2000 psf.

ECS will return upon request.



Tyler Baxley
 11/2/2020
 2631 Darroch Rd
 Proj # 5389-B
 W/O # 58996

Key (NTS) Floor

DCP Location

#



NORTH





Report of Spread Footing - Foundation Observations

Project: 2631 Darroch Rd
 Location: 2631 Darroch Rd
 Bunnlevel - Harnett - NC - 27546
 Contractor: Ben Stout Construction

Project No.: 33:5389-B
 Day/Date: 11/2/2020

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 side	x x	x x	N/A	0		orange sand	6 3-5-7	2000
1	Southwest side	x x	x x	N/A	-1		orange sand	6 7-9-9	2000
1	Southwest side	x x	x x	N/A	-2		grey clayey sand	6 2-2-1	2000
1	Southwest side	x x	x x	N/A	-3		grey clayey sand	6 3-3-3	2000
2	Northwest side	x x	x x	N/A	0		orange sand	6 4-7-8	2000
2	Northwest side	x x	x x	N/A	-1		tan sand	6 5-7-7	2000
2	Northwest side	x x	x x	N/A	-2		tan sand	6 3-3-3	2000
2	Northwest side	x x	x x	N/A	-3		tan sand	6 3-3-10	2000
3	Southeast side	x x	x x	N/A	0		orange sand	6 4-4-5	2000
3	Southeast side	x x	x x	N/A	-1		tan sand	6 7-10-7	2000
3	Southeast side	x x	x x	N/A	-2		tan sand - tan clayey sand	6 5-6-7	2000



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 Day/Date: 11/2/2020

3	Southeast side	x x	x x	N/A	-3	tan clayey sand (wet)	6	6-7-8	2000
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** SGE: Subgrade Elevation to be determined by surveyor.

By: Tyler Baxley _____

 ECS Southeast, LLP

WO: 58996