



**ECS Southeast, LLC**

6151 Raeford Road, Suite A  
Fayetteville, NC 28304  
9104013288  
9103230539

**LETTER OF TRANSMITTAL**

February 12, 2024  
PoP Homes - RDU, LLC

Clayton, NC 27520  
ATTN: Robert Whitfield

RE: **Bayles Lots**  
ECS Job # **33:6748**

Permits:  
Location: **Bayles St**  
**Erwin, NC 28339**

Field Reports       For your use       As requested

CC:

ENCL: Field Report # 1      2/8/2024

Jack Cowsert, P.E.  
Office Manager

Aaron Kyle Adair  
CMT Senior Project Coordinator

*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, LLC  
 6151 Raeford Road, Suite A  
 Fayetteville, NC 28304  
 (910) 401-3288 [Phone]  
 (910) 323-0539 [Fax]

## FIELD REPORT

Project **Bayles Lots**  
 Location **Erwin, NC**  
 Client **PoP Homes - RDU, LLC**  
 Contractor **PoP Homes - RDU, LLC**

Project No. **33:6748**  
 Report No. **1**  
 Day & Date **Thursday 2/8/2024**  
 Weather **28 ° / Sunny**  
 On-Site Time **3.00**  
 Lab Time **0.00**  
 Travel Time\* **0.00**  
 Total **3.00**  
 Re Obs Time **0.00**

Remarks

Trip Charges*	Tolls/Parking*	Mileage*	Time of Arrival	Departure
Chargeable Items			<b>8:30A</b>	<b>11:30A</b>

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

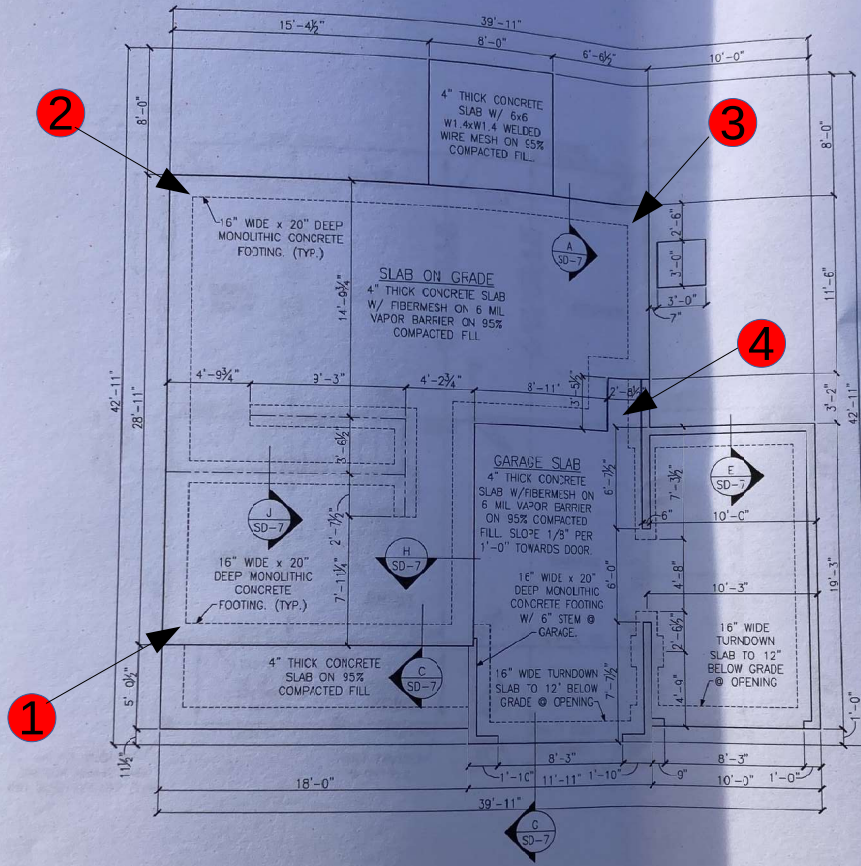
**Summary of Services Performed (field test data, locations, elevations & depths are estimates) & Individuals Contacted.**

An ECS representative arrived on site, as requested, to check the bearing capacity of soils via hand auger/DCP method (ASTM STP-399) for Lot 101 monolithic slab foundation. Please see the attached sketch and data sheet for details.

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 of 2,000 psf.

ECS recommends applying compactive efforts with a jumping jack once the footings are excavated prior to the placement of concrete. If the footing doesn't appear to stabilize after compaction efforts, ECS recommends undercutting 2' below the footing elevation and backfilling using No. 57 stone wrapped in an engineered non-woven fabric.

ECS will return, as requested, for additional services.



MONOLITHIC SLAB FOUNDATION PLAN  
ELEVATION 'A' w/ 2-CAR GARAGE

**LEGEND**

- PROVIDE SOLID BLOCK WITHIN FLOOR SYSTEM MATCH POST SIZE ABOVE
- BEARING WALL ABOVE
- INTERIOR BEARING WALL
- BRACED WALL PANEL (SEE KSE STRUCTURAL SET FOR BRACED WALL SHEATHING FASTENING BLOCKING DETAILS)
- SEE HOLLOW BLOCK AND DETAILS ON FOR TYPICAL INS

REFER TO KSE STRUCTURAL DETAILS FOR GENERAL STRUCTURAL NOTES TYPICAL DETAILS SEE ARCHITECTURAL PLANS FOR DIMENSIONS NOT SHOWN

Chris Johnson  
2/8/2024  
Bayles Lot 101  
Proj #: 6748  
W/O # 76313

**Key (NTS)**  
DCP Test Location



NORTH





## Report of Spread Footing - Foundation Observations

Project: Bayles Lots  
 Location: Bayles St  
 Erwin - Cumberland - NC - 28339  
 Contractor: PoP Homes - RDU, LLC

Project No.: 33:6748  
 Day/Date: 2/8/2024

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	Front Right of Proposed Building Pad if Facing From Road	x x	x x	N/A	N/A		(0,-1)brown rocky clayey sand (-2)silty grey rocky sand (-3)tan rocky sand	6	2000
								(0)15,7,5 (-1)25+ (-2)15,12,12 (-3)5,7,7	
2	Front Left of Proposed Building Pad if Facing From Road	x x	x x	N/A			(0)brown rocky clayey sand (-1) brown sandy clay (-2)grey rocky silty sand (-3)grey spongy clay	6	2000
								(0)10,5,5 (-1)15,17,15 (-2)7,7,5(-3)1,1,1(-4)2,2,1	
3	Rear Left of Proposed Building Pad if Facing From Road	x x	x x	N/A	N/A		(0)brown rocky sand (-1)brown sandy clay (-2) grey clayey silty sand (-3,-4)light grey spongy clay(water)	6	2000
								(0)17,9,7 (-1)10,14,14 (-2)9,8,7 (-3)WOH (-4)5,6,6	
4	Rear Right of Proposed Building Pad if Facing From Road	x x	x x	N/A	N/A		(0)brown rocky sand (-1)brown sandy clay (-2) brown/grey spongy sandy clay (-3)wet brown clayey sand	6	2000
								(0)14,8,5 (-1)4,7,7 (-2)5,3,3 (-3)5,7,12	

WOH = Weight of Hammer



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

By: Christopher H Johnson

ECS Southeast, LLC

WO: 76313