NC Registered Firm # F-1519

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

X	Field Reports	**X**	For your use	**X**	As requested

CC:

ENCL: Field Report # 3 2/8/2024

NORTH CAROLINA PROFESSIONAL SEAL 15382 ENGINEER JACK E COWSERT

FEB 12 2024

Jack Cowsert, P.E.
Office Manager

Aaron Kyle Adair
CMT Senior Project Coordinator

NC Registered Engineering Firm # F-1519

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.	**3**
Day & Date	**Thursday 2/8/2024**
Weather	**55 °/ 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				**3:30P**	**5:45P**

* 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.

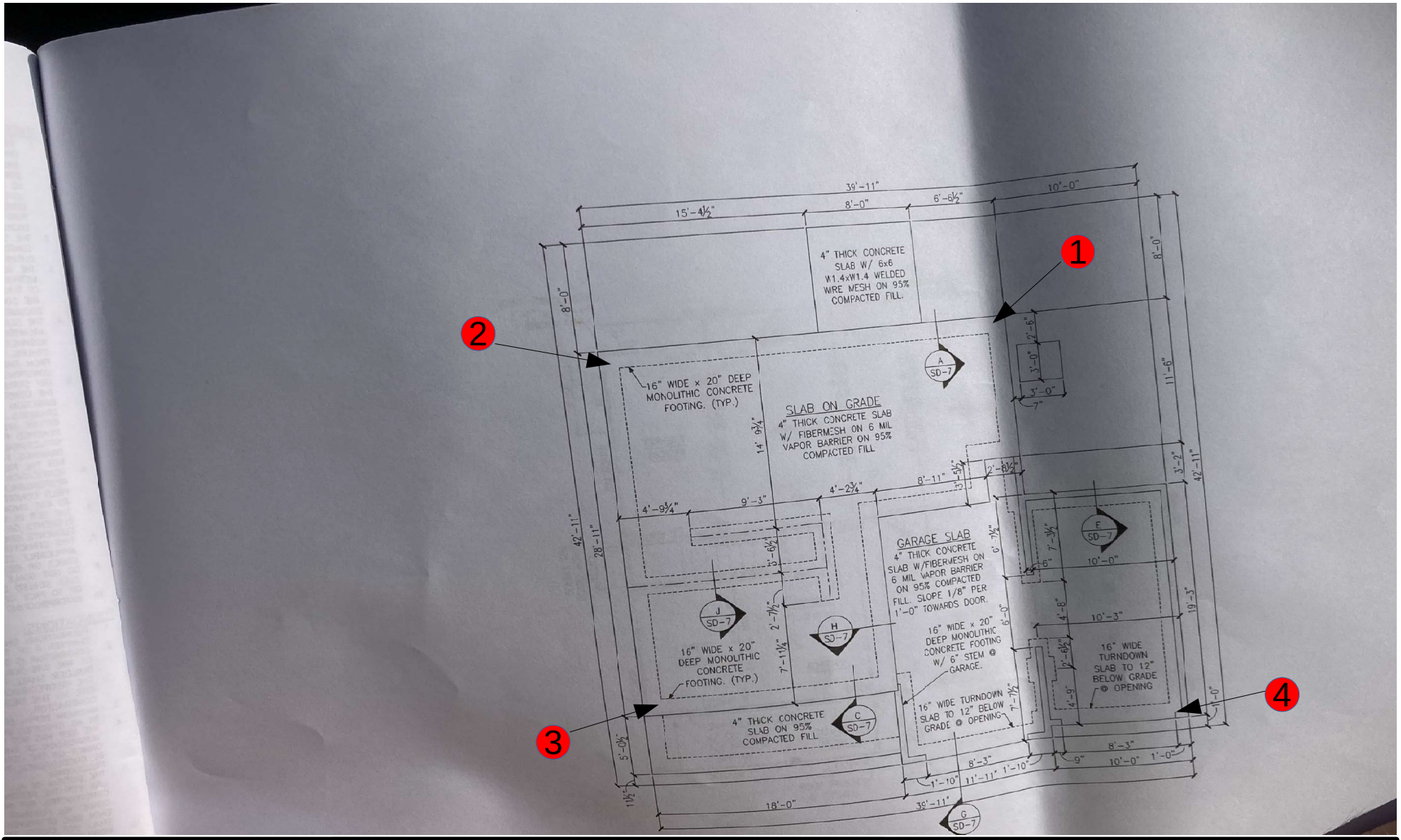
ECS arrived on site, as requested, to check the bearing capacity of soils via hand auger/DCP method (ASTM STP-399) for the proposed monolithic slab foundation at Lot 107. The footings have not been excavated. Please see the attached sketch and data sheet for details.

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 compacting the footing subgrade thoroughly with a jumping jack once the footings have been excavated. If the footing doesn't appear to stabilize after compaction efforts at test location 3, 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.

By Christopher H Johnson 1800



Chris Johnson
2/8/2024
Bayles Lot 107
Proj #: 6748
W/O # 76316

Key (NTS)
DCP Test Location #

NORTH

NC Registered Firm # F-1519

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	Rear Right of Proposed House Pad	x x	x x	N/A	N/A		(0)tan sand (-1) brown clayey sand (-2,-3) brown sandy clay	6 (0)9,6,7 (-1)4,4,5 (-2) 4,5,6 (-3)8,5,6	2000
2	Rear Left of Proposed House Pad	x x	x x	N/A	N/A		(0)tan rocky sand (-1)brown silty sand (-2,-3) brown sandy clay	6 (0)6,7,6 (-1)25+ (-2) 5,6,4 (-3)5,5,6	2000
3	Front Left Corner of Proposed House Pad	x x	x x	N/A	N/A		(0)tan rocky sand (-1)brown silty sandy clay (-2,-3)brown sandy clay	6 (0)5,6,4 (-1)6,6,7 (-2) 4,3,2 (-3)3,3,2	2000
4	Front Right Corner of Proposed House Pad	x x	x x	N/A	N/A		(0)tan sandy clay (-1)dark brown clayey sand (-2)dark brown sandy clay (-3)dark brown/black sandy clay	6 (0)6,6,4 (-1)4,3,2 (-2) 3,4,6 (-3)6,7,11	2000

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

By: Christopher H Johnson

ECS Southeast, LLC

WO: 76316