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 # 4 2/8/2024

NORTH CAROLINA PROFESSIONAL SEAL 16388 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 No.	**33:6748**
Report No.	**4**
Day & Date	**Thursday 2/8/2024**
Weather	**52 °/ Sunny**
On-Site Time	**2.00**
Lab Time	**0.00**
Travel Time*	**0.00**
Total	**2.00**
Re Obs Time	**0.00**

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

Remarks

Trip Charges*	Tolls/Parking*	Mileage*	Time of	Arrival	Departure
Chargeable Items				**2:00P**	**4:00P**

* 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 105 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 with the exception of test location #3.

Once the footings have been excavated, ECS recommends compacting the footings subgrade using a jumping jack. At test location number 3, ECS recommends chasing out and undercutting the wet clay 2' below the footing elevation. ECS recommends backfill the undercut area using No. 57 stone wrapped in an engineered non-woven fabric.

ECS will return, as requested, for additional services.

By George Pate Oxendine Jr. 1800

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	N.E Corner	x x	x x	N/A	N/A		(0)/-3 Orange Clay	6 (0)11,15,8(-1)6,6,3(-2)6,9,9(-3)11,10,9	2000
2	N.W Corner	x x	x x	N/A	N/A		(0)/-3 Orange Clay	6 (0)11,9,8(-1)11,5,7(-2)10,7,7(-3)9,9,9	2000
3	S.W Corner	x x	x x	N/A	N/A		(0)/-1 Black Sand	6 (0)5,5,7(-1)4,2,2(-2)WOH (Wet GrayClay)	2000
4	S.E. Corner	x x	x x	N/A	N/A		(0)/-1 Orange Clay(-2)/-3 Brown Orange Clay	6 (0)11,8,6(-1)20,17,15(-2)4,5,5(-3)9,7,6	2000

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

WOH = Weight of Hammer

By: George Pate Oxendine Jr.

ECS Southeast, LLC

WO: 76341