



ECS Southeast, LLC

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LETTER OF TRANSMITTAL

February 12, 2024
PoP Homes - RDU, LLC

Clayton, NC 27520
ATTN: Robert Whitfield

RE: **Wondertown Lots**
ECS Job # **33:6748-A**

Permits:
Location: **Wondertown Dr**
Erwin, NC 28339

Field Reports For your use As requested

CC:

ENCL: Field Report # 1 2/8/2024



FEB 12 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
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 Fayetteville, NC 28304
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FIELD REPORT

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

Project No. **33:6748-A**
 Report No. **1**
 Day & Date **Thursday 2/8/2024**
 Weather **54 °/ 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.

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 619. 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.

Once the footings have been excavated, ECS recommends compacting the footing subgrade thoroughly using and jumping jack.

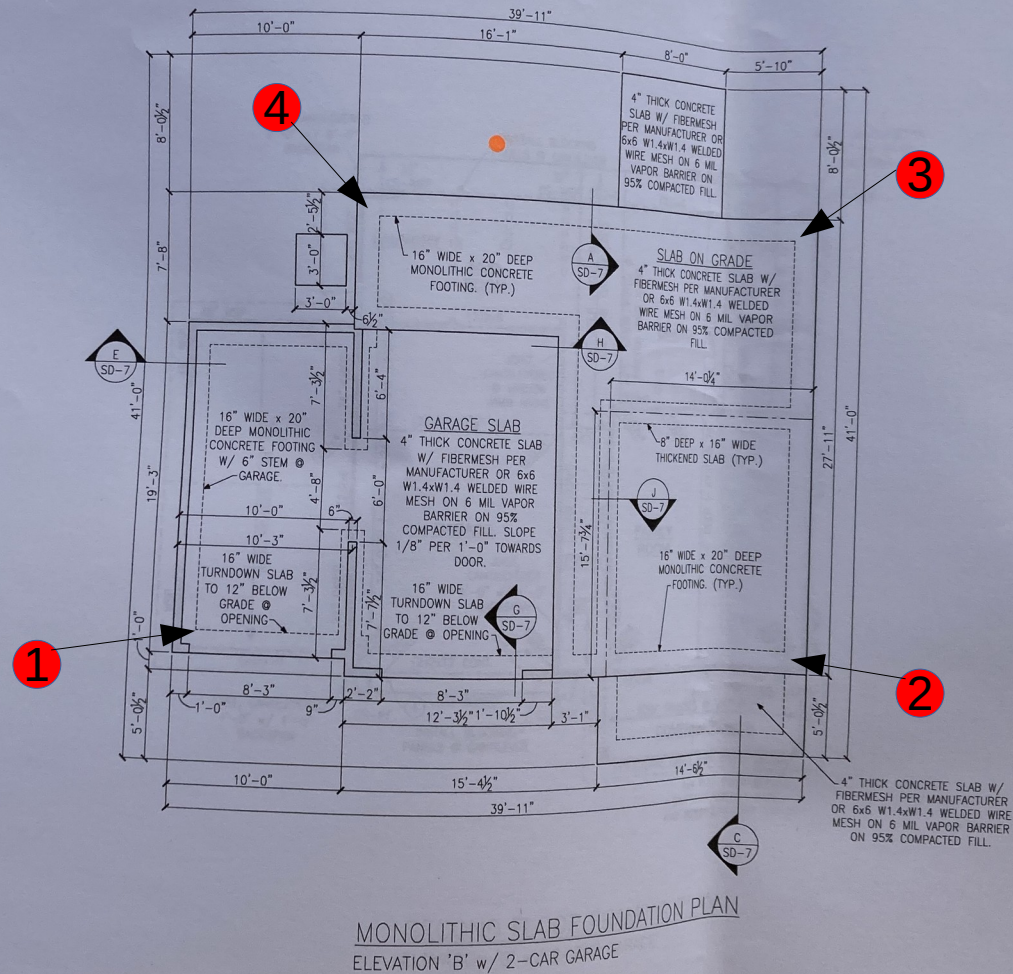
ECS will return, as requested, for additional services.

Attachments



IMG_1463

Figure 1



Chris Johnson
2/8/2024
Wondertown Lot 619
Proj #: 6748-A
W/O # 76317

Key (NTS)
DCP Test Location



NORTH





Report of Spread Footing - Foundation Observations

Project: Wondertown Lots
 Location: Wondertown Dr
Erwin - Cumberland - NC - 28339
 Contractor: PoP Homes - RDU, LLC

Project No.: 33:6748-A
 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 Left of Pad if Facing From Road | x x | x x | N/A | N/A | | (0,-1)tan rocky sand (-2)brown clayey sand (-3) brown sandy clay | 6 (0)13,8,9 (-1)10,9,6 (-2)4,4,4 (-3)5,6,5 | 2000 |
| 2 | Front Right of Pad if Facing From Road | x x | x x | N/A | N/A | | (0)brown clayey sand (-1,-2)tan sandy clay (-3) brown sandy clay | 6 (0)18,19,25+ (-1)5,5,5 (-2)6,6,3 (-3)9,7,10 | 2000 |
| 3 | Rear Right of Pad if Facing From Road | x x | x x | N/A | N/A | | (0)tan/grey rocky clayey sand (-1,-2) brown sandy clay (-3) brown/red sandy clay | 6 (0)15,12,15 (-1)3,3,4 (-2)4,3,4 (-3)10,9,10 | 2000 |
| 4 | Rear Left of Pad if Facing From Road | x x | x x | N/A | N/A | | (0)tan rocky sand (-1)tan rocky clayey sand (-2,-3) brown sandy clay | 6 (0)10,9,10 (-1)6,4,4 (-2)5,3,3 (-3)3,4,4 | 2000 |

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

By: Christopher H Johnson

ECS Southeast, LLC

WO: 76318