



ECS Southeast, LLC

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LETTER OF TRANSMITTAL

October 08, 2024
RAYWEST DESIGNBUILD
PO Box 87586 2818 Raeford Rd #300
Fayetteville, NC 28304
ATTN: Kelly Meyers

RE: **Flat Branch Volunteer Fire Department**
ECS Job # **33:7035**

Permits:
Location: **2908 Elliot Bridge Rd**
Bunnlevel, NC 28323

Field Reports For your use As requested

CC: RAYWEST DESIGNBUILD - Kelly Meyers

ENCL: Field Report # 2 10/7/2024

Jack Cowsert, P.E.
Office Manager

Aaron Kyle Adair
CMT Senior Project Coordinator



10/18/2024

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]
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FIELD REPORT

Project **Flat Branch Volunteer Fire Department**
Location **Bunnlevel, NC**
Client **RAYWEST DESIGNBUILD**
Contractor **RAYWEST DESIGNBUILD**

Project No. **33:7035**
Report No. **2**
Day & Date **Monday 10/7/2024**
Weather **77 °/ Sunny**
On-Site Time **1.25**
Lab Time **0.00**
Travel Time* **0.00**
Total **1.25**
Re Obs Time **0.00**

Remarks

| Trip Charges* | Tolls/Parking* | Mileage* | Time of Arrival | Departure |
|------------------|----------------|----------|-----------------|--------------|
| Chargeable Items | | | 11:45A | 1:00P |

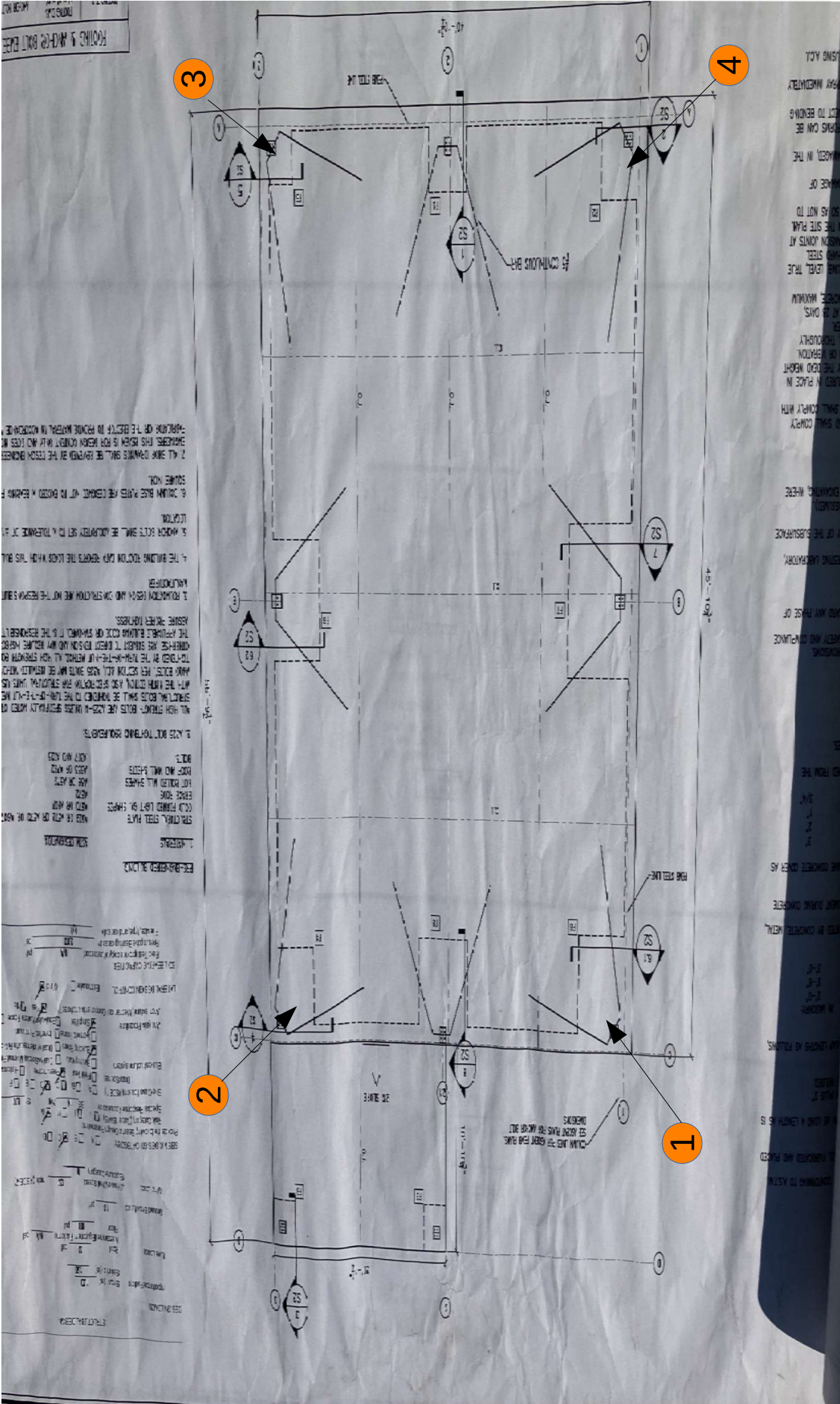
* Travel time and mileage will be billed in accordance with the contract.

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

ECS arrived on site, as requested, to check the bearing capacity of soils via hand auger/DCP method (ASTM STP-399) for foundation footings. 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 will return, as requested, for additional services.



NORTH
↑



#

Key (NTS)
DCP Locations

Izayah Rutledge
October 7, 2024
Flat Branch Fire Dept.
P: 7035
WO: 80068



Report of Spread Footing - Foundation Observations

Project: Flat Branch Volunteer Fire Department
 Location: 2908 Elliot Bridge Rd
 Bunnlevel - Harnett - NC - 28323
 Contractor: RAYWEST DESIGNBUILD

Project No.: 33:7035
 Day/Date: 10/7/2024

| 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 | Southwest Corner | x x | x x | N/A | N/A | | 0:Brown Red Silty Sand - 1:Red Clayey Sand -2:Dark Red Dark Gray Sand -3:Brown Sandy Clay | 6 | 0:9,10,10 -1:6,13,15 - 2:15+ -3:11,7,8 | 2000 |
| 2 | Northwest Corner | x x | x x | N/A | | | 0:Brown Red Silty Sand - 1:Red Clayey Sand -2:Red Sand -3:Red Sand w/ Rocks | 6 | 0:10,9,8 -1:5,6,5 - 2:14,11,11 -3:15+ | 2000 |
| 3 | Northeast Corner | x x | x x | N/A | N/A | | 0:Brown Red Silty Sand - 1:Red Clayey Sand -2:Red Sand -3:Dark Gray Sand | 6 | 0:14,12,12 -1:15+ - 2:15+ -3:15+ | 2000 |
| 4 | Southeast Corner | x x | x x | N/A | N/A | | 0:Brown Red Silty Sand -1,- 2:Brown Sand - 3:Red Clayey Sand | 6 | 0:7,7,7 -1:15+ -2:15+ - 3:15+ | 2000 |

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

By: Iyayah McReil Rutledge

ECS Southeast, LLC

WO: 80068

Attachments



2024-Oct-7 (16)

Figure 1



2024-Oct-7 (15)

Figure 2

Attachments



2024-Oct-7 (14)

Figure 3



2024-Oct-7 (13)

Figure 4

Attachments



2024-Oct-7 (12)

Figure 5



2024-Oct-7 (11)

Figure 6

Attachments



2024-Oct-7 (10)

Figure 7



2024-Oct-7 (9)

Figure 8

Attachments



2024-Oct-7 (8)

Figure 9