



**ECS Southeast, LLP**

6151 Raeford Road, Suite A  
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**LETTER OF TRANSMITTAL**

November 22, 2022  
Homeowner Ringled

Lillington, NC 27546  
ATTN: Jeremy Ringled

RE: **Spring Hill Church Lot**  
ECS Job # **33:6265**

Permits:  
Location: **5122 Spring Hill Church Rd**  
**Lillington, NC 27546**

Field Reports       For your use       As requested

CC:

ENCL: Field Report # 1      11/21/2022

Jack Cowsert, P.E.  
Office Manager

Aaron Adair  
Team Leader

*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, LLP  
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## FIELD REPORT

Project **Spring Hill Church Lot**  
 Location **Lillington, NC**  
 Client **Homeowner Ringled**  
 Contractor **None Listed**

Project No. **33:6265**  
 Report No. **1**  
 Day & Date **Monday 11/21/2022**  
 Weather **53 °/ Sunny**  
 On-Site Time **3.25**  
 Lab Time **0.25**  
 Travel Time\* **1.50**  
 Total **5.00**  
 Re Obs Time **0.00**

Remarks

Trip Charges*	Tolls/Parking*	Mileage* <b>70</b>	Time of Arrival	Departure
Chargeable Items			<b>9:15A</b>	<b>12:30P</b>

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

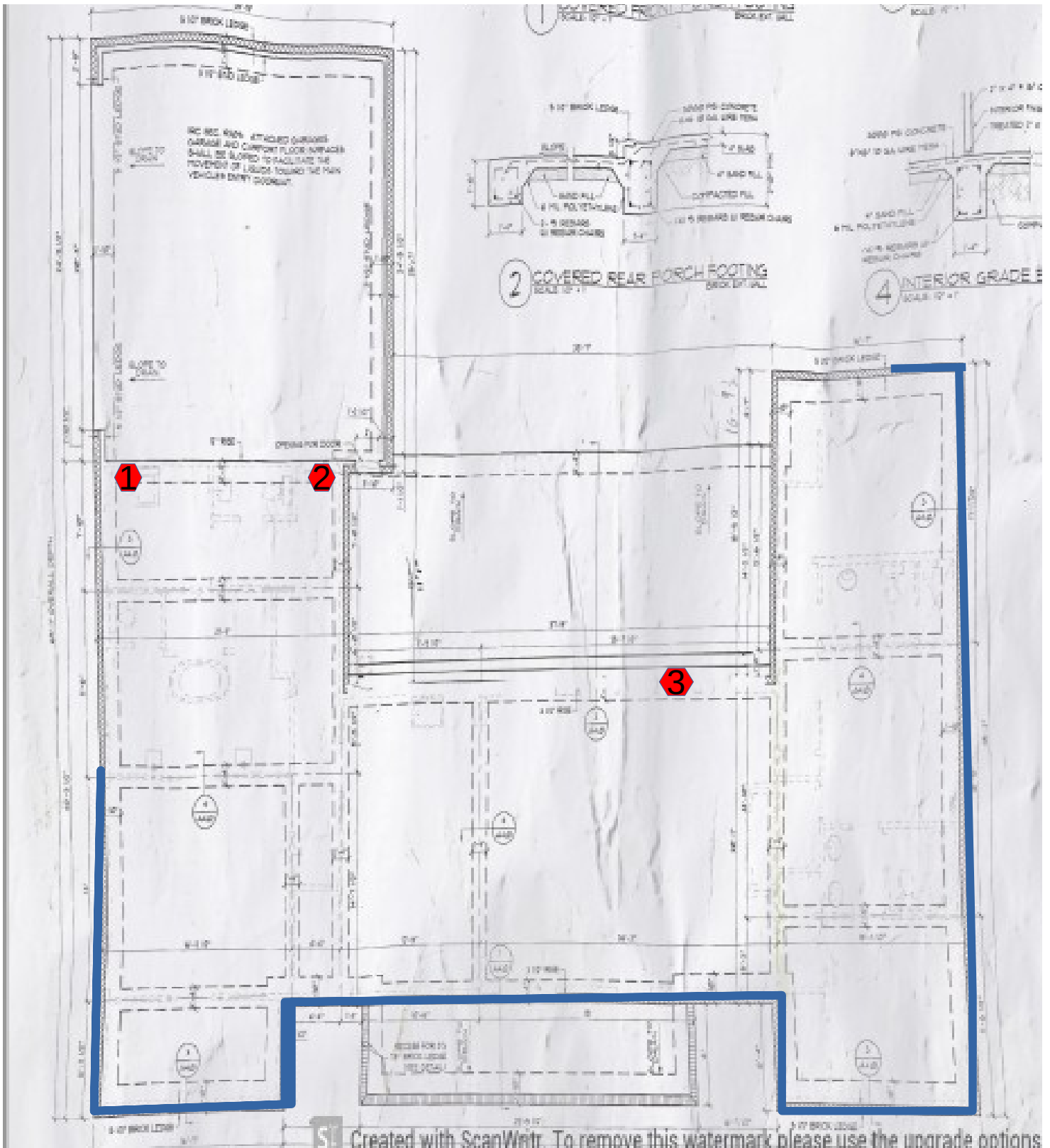
**Summary of Services Performed (field test data, locations, elevations & depths are estimates) & Individuals Contacted.**

ECS arrived on site, as requested, to check the bearing capacity of soils via hand auger/DCP method for foundation footings for a monolithic slab. Please see the attached sketch and data sheet for details BLUE highlighted are on sketch is the are where stone was found in the footings. Testing was not able to be performed in those areas.

A hand auger was used to advance the boreholes to different depths noted on the boring logs. Dynamic Cone Penetrometer (DCP) test were performed in the hand auger boreholes by a 1.5 inch diameter cone driven into the soil by a 15 pound ring weight with a free fall of 20 inches. The number of blows required to drive the cone into the soil a distance of 1.75 inches is termed the DCP Value and is indicated for each test on the hand auger.

A total of 3 hand auger/DCP evaluations were performed to a depth of approximately 3 feet below the current footing sub grade elevation. It is to the opinion of ECS that the materials in place (at the locations and elevations tested) did appear to be suitable to support the design bearing capacity 2,500 psf.

ECS will return, as request, for additional services.



Harvey Sangster  
 11/21/2022  
 Poj # 6265  
 W/O # 69778

**KEY**

DCP Location  
 Stone filled area  
 (could not test)

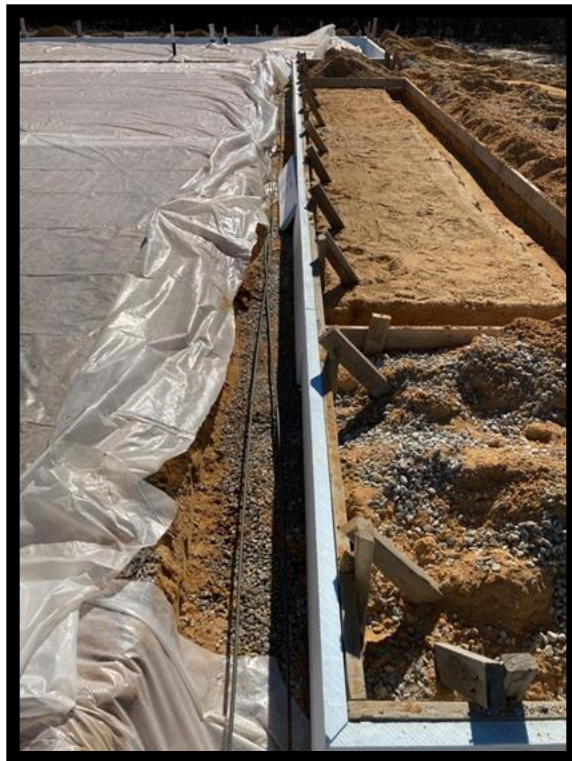


# Attachments



2022-11-21(1)

Figure 1



2022-11-21(2)

Figure 2

# Attachments



2022-11-21(3)

Figure 3



2022-11-21(4)

Figure 4



## Report of Spread Footing - Foundation Observations

Project: Spring Hill Church Lot  
 Location: 5122 Spring Hill Church Rd  
 Lillington - Harnett - NC - 27546  
 Contractor: None Listed

Project No.: 33:6265  
 Day/Date: 11/21/2022

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 of footing	x x	x x	N/A	N/A		(0)Tan clayey SAND(-1/-3) Orange sandy CLAY	8 (0)7-9-10(-1)11-7-7(-2) 10-9-10(-3)10-13-16	2500
2	Southwest upper corner of footing	x x	x x	N/A	N/A		(0/-1)Tan clayey SAND(-2/-3) Orange sandy CLAY	8 (0)10-10-10(-1)10-10-8 (-2)5-5-6(-3)10-13-11	2500
3	Northwest upper side of footing	x x	x x	N/A	N/A		(0)Orange sandy CLAY(-1) Tan clayey SAND(-2/-3) Orange sandy CLAY	8 (0)10-11-15(-1)15-23-23 (-2)15-15-10(-3)10-10-10	2500

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

By: Harvey Lamar Sangster

ECS Southeast, LLP



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