



**ECS Southeast, LLP**

6151 Raeford Road, Suite A  
Fayetteville, NC 28304  
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**LETTER OF TRANSMITTAL**

April 22, 2021  
Gary Robinson Homes  
4140 Ramsey Street Suite 115  
Fayetteville, NC 28311  
ATTN: Adam Weaver

RE: **South Creek Lot 66**  
ECS Job # **33:5051-C**  
  
Permits:  
Location: **81 Hazelwood Rd**  
**Lillington, NC 27546**

Field Reports       For your use       As requested

CC: Gary Robinson Homes - Patsy O'Quinn

ENCL: Field Report # 1      4/21/2021

Jack Edgar Cowsert, P.E.  
Senior Project Engineer

Donny Johnson  
Field Services Manager

*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 **South Creek Lot 66**  
 Location **Lillington, NC**  
 Client **Gary Robinson Homes**  
 Contractor **Gary Robinson Homes**

Project No. **33:5051-C**  
 Report No. **1**  
 Day & Date **Wednesday 4/21/2021**  
 Weather **76 °/ Sunny**  
 On-Site Time **1.75**  
 Lab Time **0.00**  
 Travel Time\* **0.00**  
 Total **1.75**  
 Re Obs Time **0.00**

Remarks

Trip Charges*	Tolls/Parking*	Mileage*	Time of Arrival	Departure
Chargeable Items			<b>10:45A</b>	<b>12:30P</b>

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

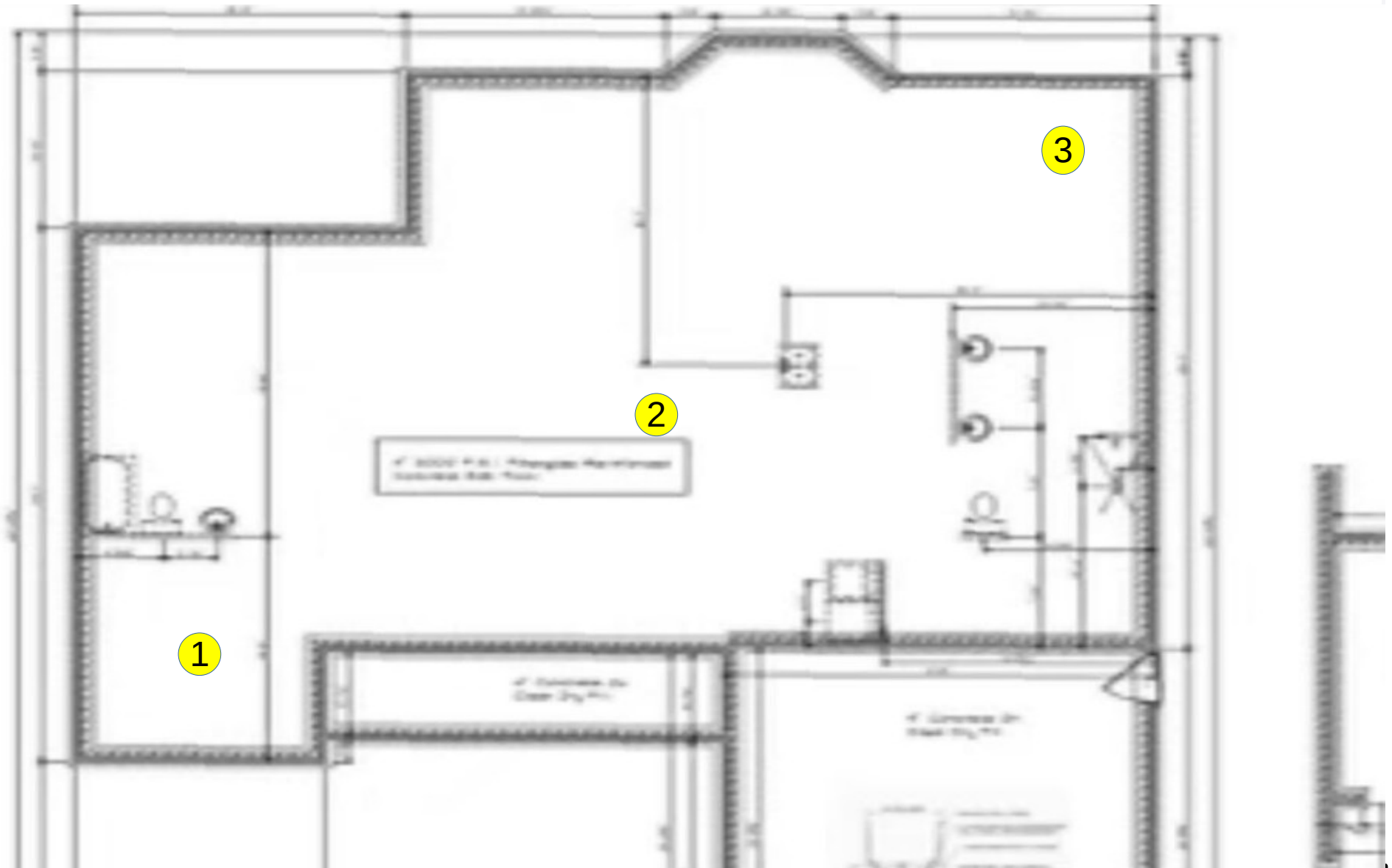
**Summary of Services Performed (field test data, locations, elevations & depths are estimates) & Individuals Contacted.**

ECS Representative arrived on site, as requested, to check the bearing capacity of backfill soils via hand auger/DCP method for stem wall backfill for a proposed residential slab. Please see the attached sketch and data sheet for details.

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 a design bearing capacity 2000 psf.

ECS will return, as requested, for additional services.



Kyle Adair  
 4/21/2021  
 Southcreek Lot 66  
 Proj # 5051-C  
 W/O # 60843

**Key (NTS)**  
 DCP Locations

#



NORTH





## Report of Spread Footing - Foundation Observations

Project: South Creek Lot 66  
 Location: 81 Hazelwood Rd  
 Lillington - Harnett - NC - 27546  
 Contractor: Gary Robinson Homes

Project No.: 33:5051-C  
 Day/Date: 4/21/2021

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	0		orange sand	6 5,5,5	2000
1	southwest corner	x x	x x	N/A	-1		orange sand	6 5,5,6	2000
1	southwest corner	x x	x x	N/A	-2		brown sand	6 8,11,11	2000
1	southwest corner	x x	x x	N/A	-3		orange clay sand	6 7,10,9	2000
2	center of building pad	x x	x x	N/A	0		orange clay sand	6 9,8,8	2000
2	center of building pad	x x	x x	N/A	-1		orange clay sand	6 6,7,8	2000
2	center of building pad	x x	x x	N/A	-2		brown sand	6 10,8,6	2000
2	center of building pad	x x	x x	N/A	-3		orange clay sand	6 8,14,15	2000
3	northeast corner	x x	x x	N/A	0		orange sand	6 4,6,6	2000
3	northeast corner	x x	x x	N/A	-1		tan sand	6 6,7,7	2000
3	northeast corner	x x	x x	N/A	-2		brown sand	6 25+	2000



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Project No.: 33:5051-C  
 Day/Date: 4/21/2021

3	northeast corner	x x	x x	N/A	-3		orange clay sand	6 5,6,6	2000
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\*\* SGE: Subgrade Elevation to be determined by surveyor.

By: Kyle Adair  
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 ECS Southeast, LLP

WO: 60843