



**ECS Southeast, LLP**

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**LETTER OF TRANSMITTAL**

February 23, 2022  
JSJ Builders  
1135 Robeson Street  
Fayetteville, NC 28305  
ATTN: James Wiggs

RE: **Lot 27 Williams Farm**  
ECS Job # **33:5831-H**  
  
Permits:  
Location: **84 Rainy Beck Way**  
**Erwin, NC 28339**

Field Reports       For your use       As requested

CC:

ENCL: Field Report # 1      2/22/2022

Jack 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.



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## FIELD REPORT

Project **Lot 27 Williams Farm**  
 Location **Erwin, NC**  
 Client **JSJ Builders**  
 Contractor **JSJ Builders**

Project No. **33:5831-H**  
 Report No. **1**  
 Day & Date **Tuesday 2/22/2022**  
 Weather **55 ° / Sunny**  
 On-Site Time **1.25**  
 Lab Time **0.25**  
 Travel Time\* **1.00**  
 Total **2.50**  
 Re Obs Time **0.00**

Remarks

Trip Charges*	Tolls/Parking*	Mileage* <b>50</b>	Time of Arrival	Departure
Chargeable Items			<b>1:15A</b>	<b>2:30A</b>

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

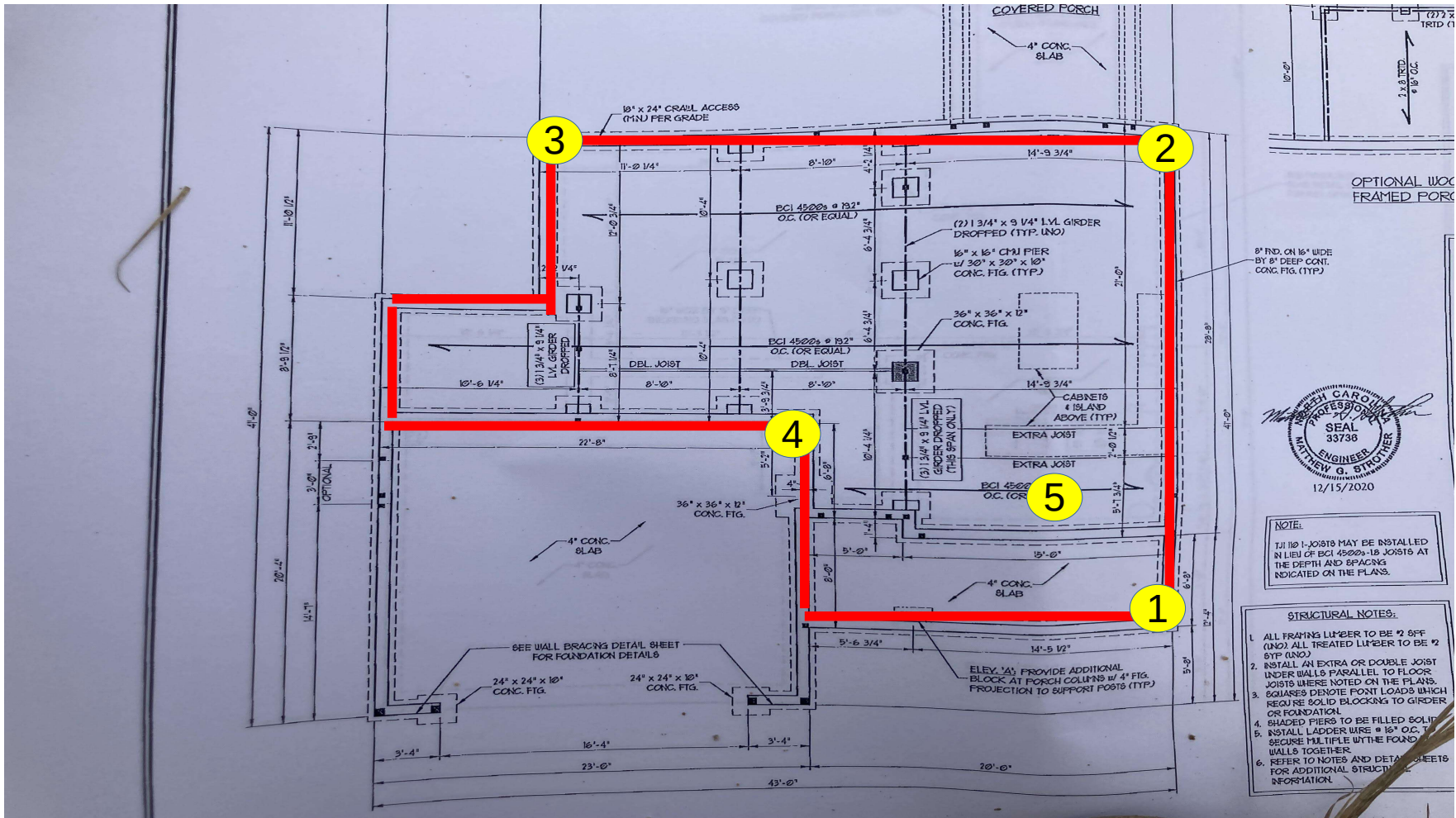
**Summary of Services Performed (field test data, locations, elevations & depths are estimates) & Individuals Contacted.**

An ECS Representative arrived on site, as requested, to check the bearing capacity of soils via hand auger/DCP method for monolithic slab on grade foundation footings. 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 5 hand auger/DCP evaluations were performed to a depth of approximately 3 feet below the current footing sub grade elevation. Based on the test results, the materials in place (at the locations and elevations tested) did appear to be suitable to support a design bearing capacity of 2000 psf.

ECS will return upon request.



Tyler Mcfayden  
2/22/2022  
Lot 27 williams farm  
Proj #5831-H  
W/O #65470

**Key (NTS)**  
Excavated Footing Location  
DCP Location



NORTH





## Report of Spread Footing - Foundation Observations

Project: Lot 27 Williams Farm  
 Location: 84 Rainy Beck Way  
 Erwin - Harnett - NC - 28339  
 Contractor: JSJ Builders

Project No.: 33:5831-H  
 Day/Date: 2/22/2022

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	1	x x	x x	N/A	0		black sand	6 3,4,5	2000
1	1	x x	x x	N/A	-1		black sand	6 7,6,6	2000
1	1	x x	x x	N/A	-2		tan sand	6 6,6,6	2000
1	1	x x	x x	N/A	-3		tan sand	6 8,7,7	2000
2	2	x x	x x	N/A	0		black sand	6 6,5,5	2000
2	2	x x	x x	N/A	-1		tan sand	6 10,7,7	2000
2	2	x x	x x	N/A	-2		tan sand	6 15,10,10	2000
2	2	x x	x x	N/A	-3		tan sand	6 13,8,9	2000
3	3	x x	x x	N/A	0		orange sand	6 3,4,5	2000
3	3	x x	x x	N/A	-1		orange sand	6 8,7,7	2000
3	3	x x	x x	N/A	-2		orange sand	6 6,6,7	2000



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3	3	x x	x x	N/A	-3		orange sand	6 7,6,7	2000
4	4	x x	x x	N/A	0		black sand	6 3,4,4	2000
4	4	x x	x x	N/A	-1		black sand	6 7,7,7	2000
4	4	x x	x x	N/A	-2		tan sand	6 6,7,6	2000
4	4	x x	x x	N/A	-3		tan sand	6 7,6,6	2000
5	5	x x	x x	N/A	0		orange sand	6 7,6,5	2000
5	5	x x	x x	N/A	-1		dark tan sand	6 10,8,10	2000
5	5	x x	x x	N/A	-2		dark tan sand	6 10,7,7	2000
5	5	x x	x x	N/A	-3		dark tan sand	6 12,10,8	2000

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



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By: Tyler McFayden

ECS Southeast, LLP

WO: 65470