

**ECS Southeast, LLC**

6151 Raeford Road, Suite A

Fayetteville, NC 28304

T 910.401.3288

F 910.323.0539

**LETTER OF TRANSMITTAL**

August 18, 2025  
Precision Custom Homes

Raeford, NC 28376

ATTN: Shaun Gardner

RE: **Magnolia Hills Subdivision - Lot 19**  
ECS Job # **33:7095-A3**

Permits:

Location: **17 Mahogany Ct**  
**Cameron, NC 28326**

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Field Reports

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For your use

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As requested

CC: Precision Custom Homes - Allen Peterson

Precision Custom Homes - Lauren Ceruti

ENCL: Field Report # 1      8/18/2025

**AUG 18 2025**

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.



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## FIELD REPORT

Project **Magnolia Hills Subdivision - Lot 19**  
 Location **Cameron, NC**  
 Client **Precision Custom Homes**  
 Contractor **Precision Custom Homes**

Project No. **33:7095-A3**  
 Report No. **1**  
 Day & Date **Monday 8/18/2025**  
 Weather **90 °/ Sunny**  
 On-Site Time **1.50**  
 Lab Time **0.00**  
 Travel Time\* **0.00**  
 Total **1.50**  
 Re Obs Time **0.00**

### Remarks

Trip Charges*	Tolls/Parking*	Mileage*	Time of Arrival	Departure
Chargeable Items			<b>10:45A</b>	<b>12:15P</b>

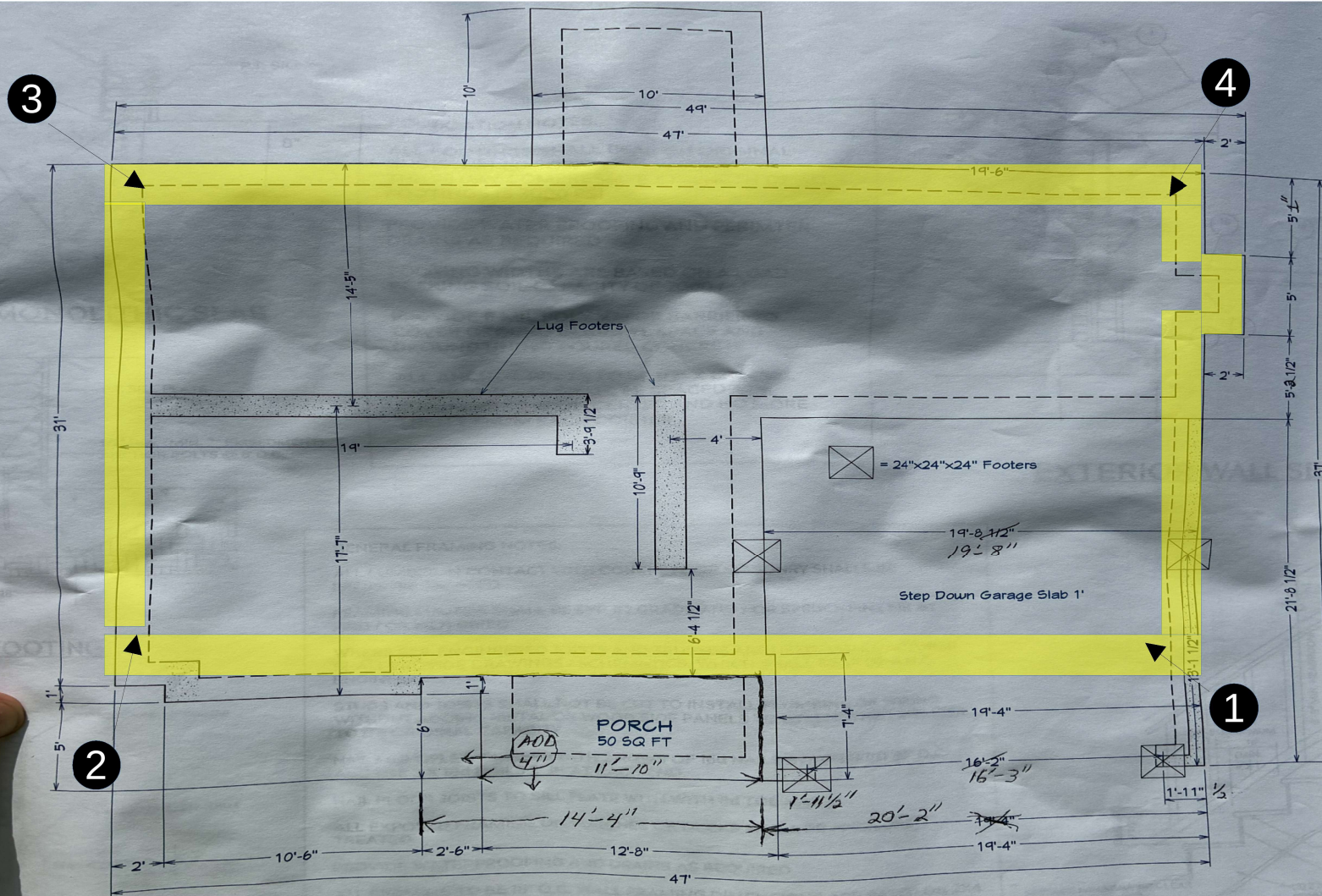
\* Travel time and mileage will be billed in accordance with the contract.

<b>Summary of Services Performed (field test data, locations, elevations &amp; depths are estimates) &amp; Individuals Contacted.</b>
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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 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 4 feet below the current footing sub grade elevation. The 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 2000 psf.

ECS will return upon request to provide additional services.:



AREA SCHEDULE	
NAME	AREA
1st FLOOR AREA	1,130
2nd FLOOR AREA	1,130
GARAGE	41
FRONT PORCH	75
REAR PORCH	100
TOTAL HEATED	24
TOTAL UNDER ROOF	30

Trent Garver  
08/18/2025  
Magnolia Hills Lot 19  
Proj #: 7095-A3  
W/O # 86503

**Key (NTS)**  
Lot 19 Footings  
DCP Test Locations



#



NORTH





## Report of Foundation Observations

Project: Magnolia Hills Subdivision - Lot 19  
 Location: 17 Mahogany Ct  
 Cameron - Harnett - NC - 28326

ECS Project No. : 33:7095-A3  
 Date: 8/18/2025

General Location: Magnolia Hills Subdivision Lot 19 Footing  
 Footing Type: Continuous

Design Bearing Pressure: 2000

Test No.	Location	Size			Footing Bottom Elevation		Depth of Undercut	Description of Steel Placed	Description of Foundation Subgrade Material	Depth of Test*	Number of Blows
			Design	Actual	Design	Actual**					
1	SE Corner (1)	W	0' 0"	0' 0"			0' 0"		(-1,-2,-3) Brown Clayey Sand (-4) Tan Clayey Sand	-1	7,6,6
		D	0' 0"	0' 0"						-2	10,10,11
		L	0' 0"	0' 0"						-3	14,15+
										-4	12,10,10
3	NW Corner	W	0' 0"	0' 0"			0' 0"		(-1,-2,-3,-4) Tan Clayey Sand	-1	8,7,7
		D	0' 0"	0' 0"						-2	7,7,7
		L	0' 0"	0' 0"						-3	9,9,8
										-4	12,15+
4	NE Corner	W	0' 0"	0' 0"			0' 0"		(-1,-2,-3) Tan Clayey Sand (-4) Gray Clayey Sand	-1	7,7,8
		D	0' 0"	0' 0"						-2	7,6,8
		L	0' 0"	0' 0"						-3	14,15+
										-4	15+

\* Depth of DCP, or other methods of determining the soil stiffness

\*\* Subgrade elevation reported by any means the contractor provided

By: Trent Garver

ECS Southeast, LLC

WO: 86503



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General Location: Magnolia Hills Subdivision Lot 19 Footing  
 Footing Type: continuous

Design Bearing Pressure: 2000

Test No.	Location	Size			Footing Bottom Elevation		Depth of Undercut	Description of Steel Placed	Description of Foundation Subgrade Material	Depth of Test*	Number of Blows
			Design	Actual	Design	Actual**					
2	SW Corner	W	0' 0"	0' 0"			0' 0"		(-1,-2) Brown Clayey Sand (-3) Tan Clayey Sand (-4) Dark Brown Sand	-1	7,6,8
		D	0' 0"	0' 0"						-2	6,5,5
		L	cont.	cont.						-3	5,6,6
										-4	7,8,8

\* Depth of DCP, or other methods of determining the soil stiffness

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## Attachments



Lot 19

Figure 1



SE Corner

Figure 2



## Attachments



SW Corner

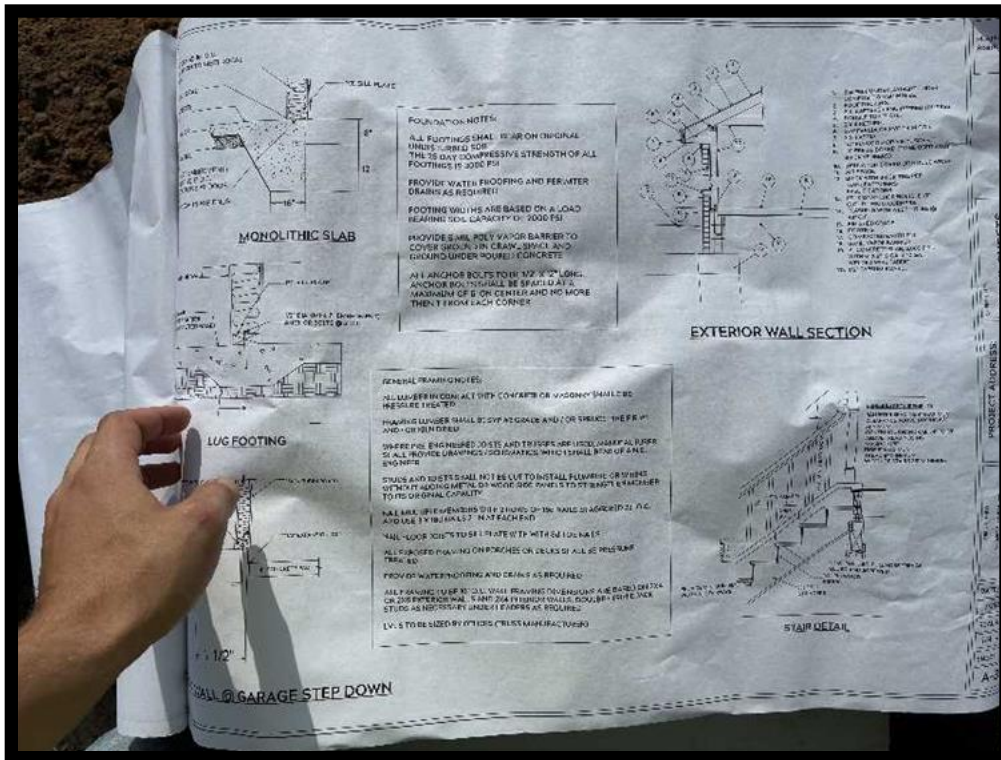
Figure 3



NW Corner

Figure 4

## Attachments



A-3

Figure 5