

**ECS Southeast, LLC**

6151 Raeford Road, Suite A

Fayetteville, NC 28304

T 910.401.3288

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LETTER OF TRANSMITTAL

September 22, 2025
Precision Custom Homes

Raeford, NC 28376

ATTN: Shaun Gardner

RE: **Magnolia Hills Subdivision- Lot 89**
ECS Job # **33:7095-Y3**

Permits:

Location: **58 Magnolia Grove Way**
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 9/19/2025



Jack Cowsert, P.E.
Office Manager

SEP 22 2025

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 89**
 Location **Cameron, NC**
 Client **Precision Custom Homes**
 Contractor **Precision Custom Homes**

Project No. **33:7095-Y3**
 Report No. **1**
 Day & Date **Friday 9/19/2025**
 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			3:15P	4:45P

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

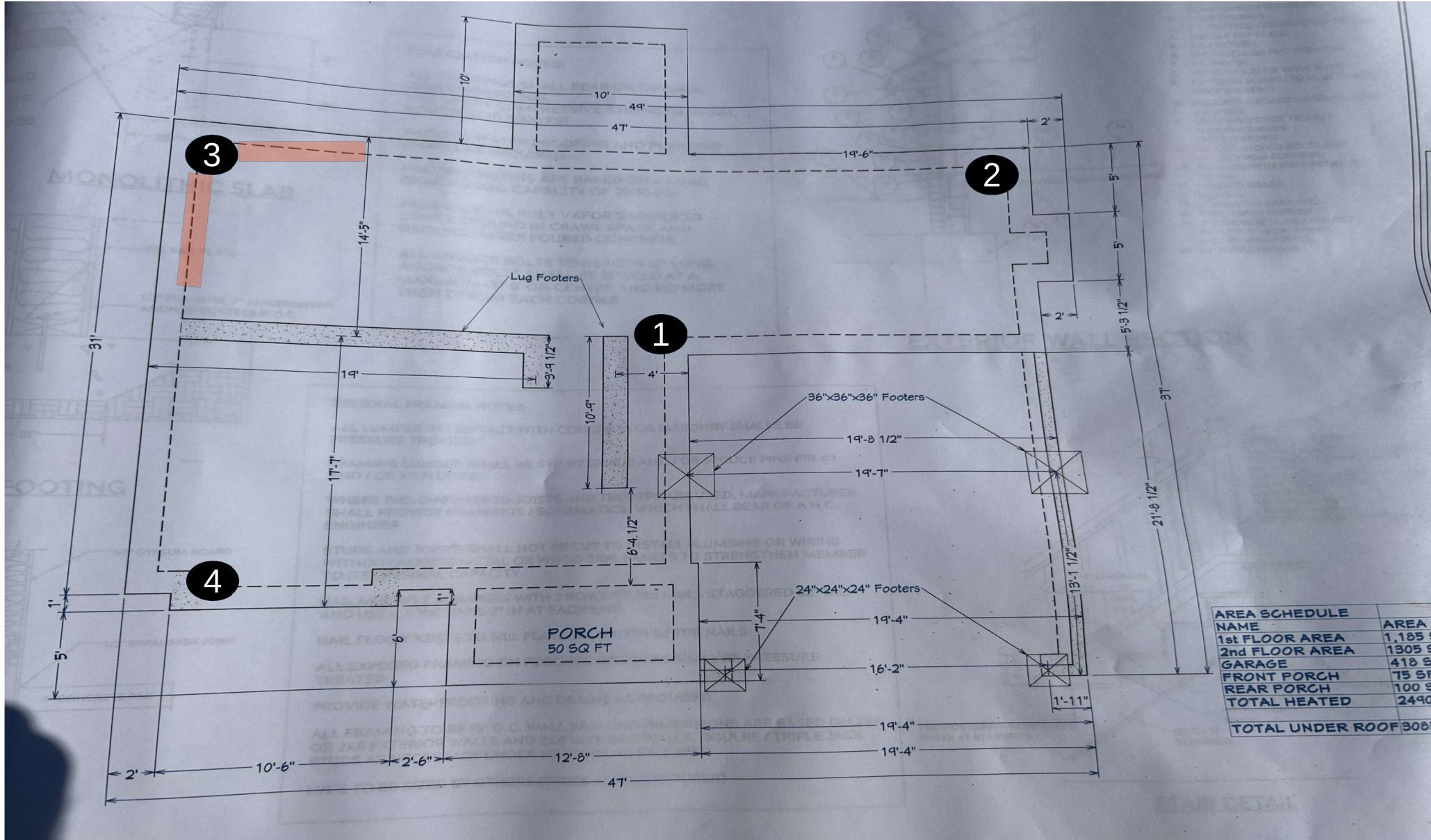
Summary of Services Performed (field test data, locations, elevations & depths are estimates) & Individuals Contacted.

ECS arrived on site, as requested, to check the bearing capacity of soils via hand auger/DCP method (ASTM STP-399) for 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 with the exception of test location 3.

ECS provided a recommendation to undercut the failing footing section (Test 3) to a depth of 1 foot below bottom of footing, extending approximately 5' east and south. Once the undercut has been completed, ECS recommends thoroughly compacting with a jumping jack and backfill with compacted #57 stone wrapped in fabric or backfill using the materials removed in 6-inch lifts compacting each lift thoroughly with the jumping jack.

ECS will return upon request to provide additional services.



AREA SCHEDULE	
NAME	AREA
1st FLOOR AREA	1,185 S
2nd FLOOR AREA	1,305 S
GARAGE	418 S
FRONT PORCH	75 SF
REAR PORCH	100 S
TOTAL HEATED	2,490
TOTAL UNDER ROOF	3,085

Caleb Jackson
 09/19/2025
 Magnolia Hills Lot 89
 Proj #: 7095-Y3
 W/O # 87262

Key (NTS

DCP Test

#



NORTH



Report of Foundation Observations

Project: Magnolia Hills Subdivision- Lot 89

Location: 58 Magnolia Grove Way
Cameron - Harnett - NC - 28326

ECS Project No. :

33:7095-Y3

Date:

9/19/2025

General Location: Home Pad Footings

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	northwest near garage	W	0' 0"	0' 0"			0' 0"		(0) orange silty sand (-1/-3) tan sand	0	4,8,9
		D	0' 0"	0' 0"						-1	5,7,8
		L	cont.	cont.						-2	5,6,4
										-3	5,7,7
2	northeast corner	W	0' 0"	0' 0"			0' 0"		(0,-1,-2,-3) tan sand	0	3,5,6
		D	0' 0"	0' 0"						-1	4,5,5
		L	cont.	cont.						-2	4,6,7
										-3	4,8,9
3	north west corner	W	0' 0"	0' 0"			0' 0"		(0,-1,-2) orange silty sand (-3) tan sand	0	3,4,3
		D	0' 0"	0' 0"						-1	2,1,1
		L	cont.	cont.						-2	4,5,6
										-3	4,7,7
4	southwest corner	W	0' 0"	0' 0"			0' 0"		(0,-1,-2,-3) orange silty sand	0	4,5,5
		D	0' 0"	0' 0"						-1	6,5,5
		L	cont.	cont.						-2	4,5,5
										-3	4,9,10

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

** Subgrade elevation reported by any means the contractor provided

By: Caleb J Jackson

ECS Southeast, LLC

WO: 87262

Attachments



Home Pad

Figure 1