



ECS Southeast, LLC
 6151 Raeford Road, Suite A
 Fayetteville, NC 28304
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LETTER OF TRANSMITTAL

August 19, 2025
 Precision Custom Homes

Raeford, NC 28376
 ATTN: Shaun Gardner

RE: **Magnolia Hills Subdivision - Lot 20**
 ECS Job # **33:7095-A2**

Permits:
 Location: **43 Mahogany Ct.**
Cameron, NC 28326

☒ Field Reports ☒ For your use ☒ As requested

CC: Precision Custom Homes - Allen Peterson Precision Custom Homes - Lauren Ceruti

ENCL: Field Report # 1 8/18/2025

Jack Cowser, 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 20**
 Location **Cameron, NC**
 Client **Precision Custom Homes**
 Contractor **Precision Custom Homes**

Project No. **33:7095-A2**
 Report No. **1**
 Day & Date **Monday 8/18/2025**
 Weather **90 °/ 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			12:15P	2:00P

* 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. 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.

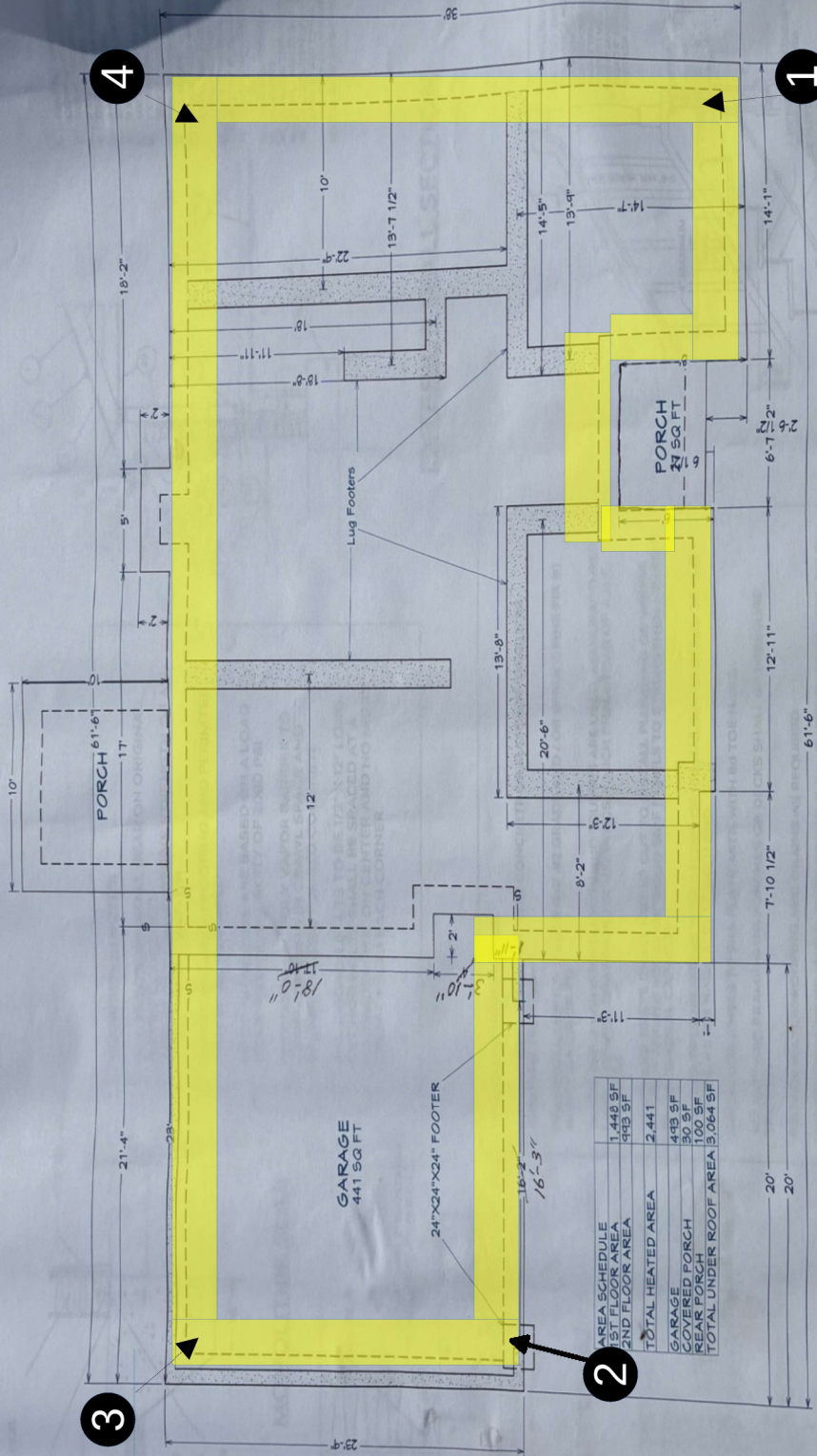
ECS will return upon request to provide additional services.

PLAN:
Ragnar

FOUNDATION

PROJECT ADDRESS:
43 Mahogany Ct.
Magnolia Hills Lot 20

DESIGNED BY:
Precision Custom Homes
Raleigh, NC
precisioncustomhomes.com



Trent Garver

08/18/2025

Magnolia Hills Lot 20

Proj #: 7095-A2

W/O # 86502

Key (NTS)

Lot 20 Footings

DCP Test Locations

#



NORTH





Report of Foundation Observations

Project:
Location:

Magnolia Hills Subdivision - Lot 20
43 Mahogany Ct.
Cameron - Harnett - NC - 28326

ECS Project No. :
Date:

33:7095-A2
8/18/2025

General Location: Magnolia Hills Subdivision Lot 20
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
		W	D	L	Design	Actual**					
1	SE Corner	W	0' 0"	0' 0"			0' 0"		(-1) Orange Clayey Sand (-2,-3) Tan Clayey Sand (-4) Brown Clayey Sand	-1	6,7,7
		D	0' 0"	0' 0"						-2	7,7,7
		L	0' 0"	0' 0"						-3	9,12,15+
										-4	15+
2	SW Corner	W	0' 0"	0' 0"			0' 0"		(-1,-2) Orange Clayey Sand (-3,-4) Tan Clayey Sand	-1	5,5,8
		D	0' 0"	0' 0"						-2	12,10,11
		L	0' 0"	0' 0"						-3	11,11,13
										-4	12,12,13
3	NW Corner	W	0' 0"	0' 0"			0' 0"		(-1,-2,-3) Tan Clayey Sand (-4) Brown Clayey Sand	-1	12,12,13
		D	0' 0"	0' 0"						-2	7,7,8
		L	0' 0"	0' 0"						-3	9,15+
										-4	9,10,10
4	NE Corner	W	0' 0"	0' 0"			0' 0"		(-1,-2,-3) Tan Clayey Sand (-4) Brown Clayey Sand	-1	9,9,10
		D	0' 0"	0' 0"						-2	8,7,7
		L	0' 0"	0' 0"						-3	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: 86502

Attachments



Lot 20

Figure 1



Test 3 Location

Figure 2

Attachments



Test 4 Location

Figure 3



Test 1 Location

Figure 4