



ECS Southeast, LLC
 6151 Raeford Road, Suite A
 Fayetteville, NC 28304
T 910.401.3288
F 910.323.0539

LETTER OF TRANSMITTAL

August 07, 2025
 Precision Custom Homes

Raeford, NC 28376
 ATTN: Shaun Gardner

RE: **Magnolia Hills Subdivision - Lot 21**
 ECS Job # **33:7095-A1**

Permits:
 Location: **61 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 8/6/2025



Jack Cowsert, P.E.
 Office Manager

AUG 07 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.



ECS Southeast, LLC
 6151 Raeford Road, Suite A
 Fayetteville, NC 28304
 T 910.401.3288
 F 910.323.0539

FIELD REPORT

Project **Magnolia Hills Subdivision - Lot 21**
 Location **Cameron, NC**
 Client **Precision Custom Homes**
 Contractor **Precision Custom Homes**

Project No. **33:7095-A1**
 Report No. **1**
 Day & Date **Wednesday 8/6/2025**
 Weather **77 °/ Rainy**
 On-Site Time **2.25**
 Lab Time **0.00**
 Travel Time* **0.00**
 Total **2.25**
 Re Obs Time **0.00**

Remarks

Trip Charges*	Tolls/Parking*	Mileage*	Time of Arrival	Departure
Chargeable Items			1:45P	4:00P

* 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 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 and 4 hand auger/DCP evaluations were performed to a depth of approximately 3 feet below the current footing subgrade 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 exceptions of test location 1.

ECS recommends to undercut 2 feet below bottom of footing at the Test Location 1 in the South West Corner 5 feet North and 5 feet East. Once the material has been undercut, ECS recommends backfilling using washed #57 stone wrapped in non-woven fabric.

ECS will return upon request to provide additional services.



Report of Foundation Observations

Project: Magnolia Hills Subdivision - Lot 21

Location: 61 Mahogany Ct
Cameron - Harnett - NC - 28326

ECS Project No. :

33:7095-A1

Date:

8/6/2025

General Location: Building Pad Lot 21

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	South West Corner	W	0' 0"	0' 0"			0' 0"		orange clay sand	0	3,2,4
		D	0' 0"	0' 0"						-1	1,2,1
		L	0' 0"	0' 0"						-2	5,9,10
										-3	12,13,15+
2	South East Corner	W	0' 0"	0' 0"			0' 0"		orange clay sand, tan sand	0	6,15+
		D	0' 0"	0' 0"						-1	6,10,11
		L	0' 0"	0' 0"						-2	3,6,5
										-3	4,10,11
3	North East Corner	W	0' 0"	0' 0"			0' 0"		orange clay sand, grey tan sand	0	8,14,9
		D	0' 0"	0' 0"						-1	4,10,11
		L	0' 0"	0' 0"						-2	3,6,4
										-3	4,8,6
4	North West Corner	W	0' 0"	0' 0"			0' 0"		orange clay sand, grey tan sand	0	4,8,13
		D	0' 0"	0' 0"						-1	4,8,8
		L	0' 0"	0' 0"						-2	3,6,5
										-3	3,6,4
5	5 feet East of South West Corner	W	0' 0"	0' 0"			0' 0"		orange clay sand, grey tan sand	0	4,3,3
		D	0' 0"	0' 0"						-1	3,5,5
		L	0' 0"	0' 0"							
6	10 feet East of South West Corner	W	0' 0"	0' 0"			0' 0"		orange clay sand, grey tan sand	0	4,8,7
		D	0' 0"	0' 0"						-1	4,5,4
		L	0' 0"	0' 0"							
7	15 feet east South West Corner	W	0' 0"	0' 0"			0' 0"		orange clay sand, grey tan sand	-1	6,6,7
		D	0' 0"	0' 0"							
		L	0' 0"	0' 0"							
8	5 feet North of South West Corner	W	0' 0"	0' 0"			0' 0"		orange clay sand, grey tan sand	0	6,10,11
		D	0' 0"	0' 0"						-1	12,13,13
		L	0' 0"	0' 0"							



Report of Foundation Observations

Project: Magnolia Hills Subdivision - Lot 21
Location: 61 Mahogany Ct
Cameron - Harnett - NC - 28326

ECS Project No. : 33:7095-A1
Date: 8/6/2025

- * 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: 86321

Attachments



Lot 21

Figure 1