

ECS Southeast, LLP

6151 Raeford Road Suite A Fayetteville, NC 28304 (910) 401-3288 [Phone] (910) 323-0539 [Fax]

LETTER OF TRANSMITTAL

December 17, 2018

Precision Custom Homes 256 Briar Hill Rd. Raeford, NC 28376

ATTN: Mr. Allen Peterson

RE: Lot 8 Apache Trail

ECS Job # 33:4426-C1

Permits:

Location: 260 Apache Trail

Sanford, NC

We are enclosing:

Field Reports

For your use

As requested

CC: Precision Custom Homes - Shaun Gardner

ENCL:

Field Report #1

12/13/2018

Dennis Dennis Lowery

Project Engl

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 recorded 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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Project **Lot 8 Apache Trail**

Location Sanford, NC

Precision Custom Homes - Allen Peterson Client

Contractor Precision Custom Homes - Shaun Gardner

Remarks

Time of Arrival Departure Trip Charges* Tolls/Parking* 65 Mileage*

Chargeable Items

* 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.

The undersigned arrived on site, as requested, to observe and evaluate the bearing capacity of soils via hand auger/dcp method for foundations.

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. Please see the attached sketch and data sheet for details.

A total of 4 hand auger/DCP evaluation(s) were performed to a depth of approximately 3 feet below the current sub grade elevation. DCP blow counts ranged from 6 to 25+ blows per increment. It is to the opinion of ECS that the materials in place at test locations in the foundation did appear to be suitable to support the design bearing capacity 2000 psf.

Please see sketch for DCP evaluation locations.

ECS will return, as requested, to perform additional services.

Project No. 33:4426-C1

Report No. 1

Day & Date Thursday 12/13/2018

Weather 52°/Sunny

On-Site Time 1.00 Lab Time 0.25

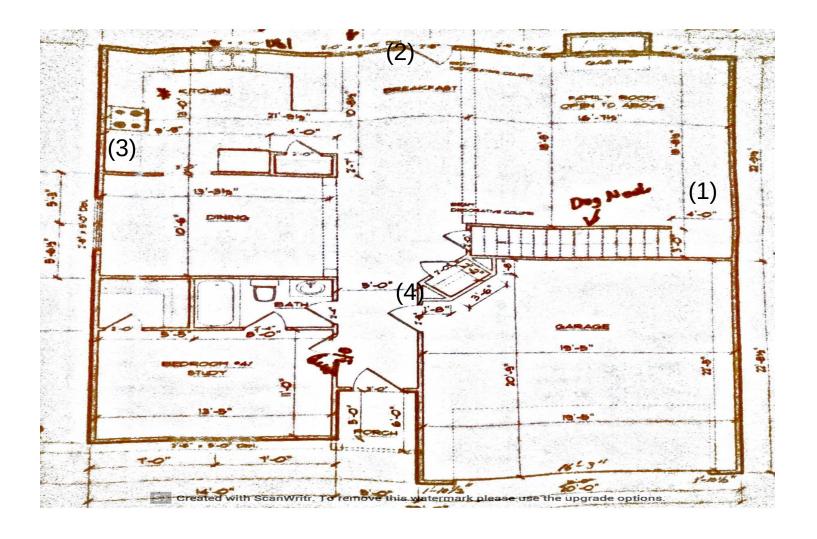
Travel Time* 1.25 Total 2.50

Re Obs.Time 0.00

05:00P

06:00P





Bryan Hernandez 12/13/2018 265 Apache Trl Proj # 4426-C1 W/O # 49650 **Key**

() = Location of DCP's



Report of Spread Footing - Foundation Observations

Project: Lot 8 Apache Trail	Project No4426-C1	
Location: 260 Apache Trail	Day/Date: 12/13/2018	
Sanford - Lee - NC - 27332	•	

Contractor: Precision Custom Homes

	Location	Size (W x H x L) Footing Bottom Elevation Required		n Elevation	Required Blow Counts				
Footing Number		Design	Actual	Design	Depth of Undercut (in)	Description Subgrade Material	f # of Blows / increment	Design Bearing Pressure	
1	1	хх	хх	N/A	0 .	Orange SAN	D 6	2000	
							8,9,9	2000	
1	1	хх	хх	N/A	-1 .	Black SAN		2000	
·							8,10,10	2000	
1	1	хх	x x x	N/A	A -2 .	Brown SAN		2000	
·							8,10,10		
1	1	1 x x	хх	N/A	′A -3 .	Brown SAN		2000	
							8,10,10		
2	2	2 x x	хх	N/A	/A 0 .	Orange SAN		2000	
							3,5,5		
2	2	2 x x	хх	x x x	N/A	-1 .	Orange SAN		2000
							7,9,10		
2	2	2 x x	хх	N/A	-2 .	Brown SAN		2000	
							9,9,10		
2	2	2 x x	хх	x x N/A	-3 .	Black SAND		2000	
								10,10,10	
3	3	3 x x x x N/A	0 .	Orange SAN		2000			
							7,6,7	=330	

Ву:	Bryan Noel Hernandez
	ECS Southeast, LLP



Report of Spread Footing - Foundation Observations

Project: Lot 8 Apache Trail	Project No. 4426-C1
Location: 260 Apache Trail	Day/Date: 12/13/2018

Contractor: Precision Custom Homes

Sanford - Lee - NC - 27332

		Size (W x H x L) Footing		Footing Bott	ooting Bottom Elevation			Required Blow Counts	
Footing Number	Location	Design	Actual	Design	Depth of Undercut (in)		Description of Subgrade Material	# of Blows / increment	Design Bearing Pressure
3	3	хх	хх	N/A	-1 .		Orange SAND	6	2000
								8,10,11	2550
3	3	хх	хх	N/A	-2 .		Brown SAND	6	2000
								8,12,12	2000
3	3	3 x x	хх	N/A	-3 .		Black SAND	6	2000
								8,9,9	
4	4	хх	хх	N/A	0 .		Orange SAND	6	2000
4								8,8,10	2000
4	4	4 x x	х х	N/A	-1 .		Brown SAND	6	2000
4								8,9,9	
4	4	4 x x	x x N/	N/A	-2 .	. Brown SAND	6	2000	
4								8,10,11	2000
4	4	хх	хх	N/A	-3 .		Brown SAND	6	2000
4	'I						8,10,10	2000	

Ву:	Bryan Noel Hernandez						
	ECS Southeast, LLP						