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

LETTER OF TRANSMITTAL

May 13, 2019

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

ATTN: Mr. Allen Peterson

RE: **Lot 26 Beautiful Lane**

ECS Job # **33:4397-C**

Permits:

Location: **142 Beautiful Lane**
Sanford, NC

We are enclosing: **X** Field Reports **X** For your use **X** As requested

ENCL:

Field Report # 1 05/07/2019

NORTH CAROLINA PROFESSIONAL SEAL 043840 ENGINEER DENNIS D. LOWERY

MAY 13 2019

Dennis D Lowery, P.E.
Project Engineer

Donny Johnson
Field Services Manager

ECS Southeast, LLP
6151 Raeford Road
Suite A
Fayetteville, NC 28304
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FIELD REPORT

Project No.	**33:4397-C**
Report No.	**1**
Day & Date	**Tuesday 05/07/2019**
Weather	**80°/ Sunny**
On-Site Time	**1.50**
Lab Time	**0.25**
Travel Time*	**1.25**
Total	**3.00**
Re Obs.Time	**0.00**

Project	**Lot 26 Beautiful Lane**
Location	**Sanford, NC**
Client	**Precision Custom Homes - Allen Peterson**
Contractor	**Precision Custom Homes - Shaun Gardner**

Remarks

Trip Charges* Tolls/Parking* Mileage* **53**

Time of Arrival **01:00P** Departure **02:30P**

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 the bearing capacity of soils via hand auger/dcp method for the residential lot-26 stemwall backfill/ Pad. Please see the attached sketch.

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.

A total of 3 hand auger/DCP evaluations were performed to a depth of approximately 3 feet below the bottom of footing. DCP blow counts ranged from 3 to 8 blows per increment.

It is to the opinion of ECS that the materials in place at the locations and elevations tested do appear to be suitable to support the design bearing capacity of 2,000 psf.

By **Charlie Alingbas Langbis, — Field Technician** 1800

1083677

Dynamic Cone Penetrometer Test Report

Project :	Lot 26		
Project #:	4397-C		
Technician:	C. Langbis	Temp/Weather:	80/Sunny
Date:	05/07/19	Top Soil Depth:	Asphalt Depth:

Test Location	Test Depth	Penetrometer Blow Counts			Soil Descriptions													Remarks
		1 ¾"	1 ¾"	1 ¾"	Top Soil	Stained Sands	orange	Tan	Brown	Red	Clayey	Sandy	Silty	CLAY	SAND	SILTS	with Silts	
1	(BOF)(Subgrade)	4	4	3			√	√						√	√			
	-1	4	5	5			√	√						√	√			
	-2	5	6	7				√						√	√			with pea gravels
	-3	6	7	7				√						√	√			with pea gravels
	-4																	
	-5																	
2	(BOF)(Subgrade)	3	4	4			√	√						√	√			
	-1	5	4	6			√	√						√	√			
	-2	5	6	8				√						√	√			with pea gravels
	-3	6	6	7				√						√	√			with pea gravels
	-4																	
	-5																	
3	(BOF)(Subgrade)	3	4	5			√	√						√	√			
	-1	4	6	6			√	√						√	√			
	-2	5	6	7				√						√	√			with pea gravels
	-3	6	7	7	√			√						√	√			with pea gravels
	-4																	
	-5																	
	(BOF)(Subgrade)																	
	-1																	
	-2																	
	-3																	
	-4																	
	-5																	
	(BOF)(Subgrade)																	
	-1																	
	-2																	
	-3																	
	-4																	
	-5																	

Lot 26 Beautiful Lane
Project# 4397-C

05/07/2019
C. Langbis

Bore Holes