

Dream Finders Homes-Carolinas  
2919 Breezewood Avenue  
Suite 400  
Fayetteville, NC 28303

06/30/2025

Attention : Blake Dickerhoff  
Chris Adams

**RE:** Daily Field Report for 06/25/2025  
Lot 476 Colony at Lexington (CMT) Cameron, NC  
Building & Earth Project No : RD250443

Ladies and Gentlemen:

On this date, representative(s) of Building & Earth were present to perform construction material testing services at this project site. Our testing and observations for this date include the following:

**FO-2** : Field Observations made on this date.

- Foundation Inspection
- Project Management Review

Passed  
Passed

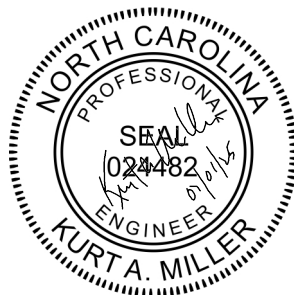
**ST-2** : In place field density testing was performed for Finished Subgrade Soils -Building. The field density testing was performed in general accordance with ASTM D1556, using the results of field one-point as compared to the laboratory proctors. One(1) in-place field density test was performed on this date. The testing results indicate that in-place compaction and moisture content at the location and depth tested meet or exceed the specified requirements outlined in the project plans and specifications. For additional details of our testing, please refer to the attached Field Density Test Report.

## Closing

**The testing and observations identified above have been reviewed by our project manager. If you have questions regarding this information, please do not hesitate to contact us.**

Respectfully Submitted,  
Building & Earth Sciences, LLP

**Enclosures** : FO-2, ST-2



## Field Observations Report

Project Name:	<b>Lot 476 Colony at Lexington (CMT) Cameron, NC</b>	Project Number:	<b>RD250443</b>
Client Name:	<b>Dream Finders Homes-Carolinas</b>	Placement#:	<b>FO-2</b>
Contractor:	<b>Dream Finders Homes-Carolinas</b>	Technician:	<b>Hernan Perdomo</b>
Monitoring:	<b>DCP</b>		

### 1 : Foundation Inspection

Passed

We arrived onsite to evaluate the building pad area for this residential lot. We understand the residence has been designed to be supported on a monolithic slab foundation. Our evaluation as documented in this report includes:

- 1) A visual description of the residential lot
- 2) Comments on any improvements that affect the foundations of the residence
- 3) Hand rod probing of the footing excavations
- 4) Performing Dynamic Cone Penetration (DCP) tests at representative locations
- 5) Soil Density tests on fill, if applicable.

#### Visual Description of the Lot:

The lot is relatively flat. Building locations are referenced from the street looking at the front of the residence. Maximum relief across the lot is approximately 2 feet. Surface water runoff appears to drain Right.

#### Comments on Improvements:

The site has been stripped of surface cover and topsoil. It appears that 12 inches of topsoil has been removed from the building pad area.

Structural fill has been placed at the site to level the building pad. Based on our observations, we understand the pad has been filled according to the following:

Section-----	Thickness of Fill
Left Front-----	24 inches of fill
Left Rear-----	24 inches of fill
Center-----	24 inches of fill
Right Front-----	24 inches of fill
Right Rear-----	24 inches of fill

#### Measurements:

- 1) How far is the nearest slope from the edge of the foundation? No slope

#### Footing Test:

Hand Rod Probing: Our representative performed hand rod probing of the surface of the building pad. Hand rod probing of the bearing material generally showed an average penetration of approximately 4 inches.

DCP Testing: Our representative performed Dynamic Cone Penetration (DCP) testing in general accordance with ASTM STP-399 at four representative locations to a depth of 36 inches. Our representative did not observe water within the DCP boreholes as noted below.

The following information provides the results of our hand auger borings and DCP testing:

#### Test 1: [Front Center]

-- Depth----"N"-----Soil Color---USCS-----

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Monitoring:	<b>DCP</b>		

--- FSG ---- 11 ---- Light Brown ---- SC -----  
 --- -1' ----- 6 ----- Light Brown ---- SC -----  
 --- -2' ----- 6.5 ----- Light Brown ---- SC -----

Test 2: [Back center]

--- FSG ---- 10 ---- Light Brown ---- SC -----  
 --- -1' ----- 7.5 ----- Light Brown ---- SC -----  
 --- -2' ----- 6.5 ----- Light Brown ---- SC -----

Soil Density Testing:

Soil density testing was performed using the sand cone method of compaction in general accordance with ASTM D1556. The results of our tests are attached as ST-1.

Results:

Based on our observations and test results, the newly placed fill/existing soils appear to be suitable to provide support for the floor slab and footings, provided the floor slab has a loading of less than 150 pounds per square foot, and the footings have a design bearing capacity of 2,000, or less.

### 2 : Project Management Review

Passed

On this date, our representatives returned to the site for re-testing. Based upon our re-testing, the recommended repairs have been accomplished, and the building pad is now acceptable for the construction of the foundations.

Additionally, inclement weather (rain or snow), as well as construction traffic across the pad, can compromise the stability and support characteristics of the surface soils. If the surface soils become compromised, it will be necessary to return to the site for re-testing. This decision should be executed by your onsite Quality Control and Superintendents.

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Monitoring:	<b>DCP</b>		

### Photographs


Picture ID	
109853	
109854	



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Monitoring:	<b>DCP</b>		

### Photographs

Picture ID	
109855	
109856	



ST-2

Test Date: 06/25/2025  
Field Technician: Hernan Perdomo  
Tests requested by: N/R  
Results provided to: N/R

### Report of Field Density Testing

Project Name: Lot 476 Colony at Lexington (CMT) Ambient Temperature: 80-95  
Cameron, NC  
Project Number: RD250443 Weather: Sunny  
Project Location: Cameron, NC Wind Conditions: Calm  
Client: Dream Finders Homes-Carolinas Results Provided To: N/R  
Contractor: Dream Finders Homes-Carolinas Superintendent: N/R

Notes: 1 Test location by technician  
2 Elevation by Technician  
3 Fill/backfill placed prior to technician arriving

### Design & Specification Data

Area ID	Area Description	Depth (ft)	Test Method	% Compaction	Moisture Range	
					Min	Max
FSG-Bldg	Finished Subgrade Soils -Building	0.0 - 2.0	ASTM D-698	95 %	- 10.0	+ 10.0

### Laboratory Proctors

Proctor ID	Description of Material	USCS/AASHTO	Maximum Dry Density (pcf)	Optimum Moisture Content (%)
1-point			115.3	14.0%

### Density Test Data

Test #	IDs		Test Type	Location	Probe Depth (in)	Elev. (ft)	Dry Density(pcf)	% Moisture	% Compaction	Result
	Area	Proctor								
1	FSG-Bldg	1-point	ASTMD1556	Finished Subgrade Soils -Building : Front Right Corner		FSG	113.5	13.7	98%	PASS

Equipment Used:  
Last Calibration:

Standard Counts: Density:  
Moisture: