

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

06/10/2025

Attention : Blake Dickerhoff
Chris Adams

RE: Daily Field Report for 06/05/2025
Lot 552 Creekside Oaks North (CMT) Lillington, NC
Building & Earth Project No : RD250525

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-1 : Field Observations made on this date.

• Foundation Inspection

For Information Only

Comment 1 : Based on our observations and test results, the newly placed fill/existing soils appear to be disturbed we recommend to reroll the surface soil before the placement of the slab.

ST-1 : 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-1, ST-1

Field Observations Report

Project Name:	Lot 552 Creekside Oaks North (CMT) Lillington, NC	Project Number:	RD250525
Client Name:	Dream Finders Homes-Carolinas	Placement#:	FO-1
Contractor:	Dream Finders Homes-Carolinas	Technician:	Hernan Perdomo
Monitoring:	DCP		

1 : Foundation Inspection

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 3 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-----	12 inches of fill
Left Rear-----	12 inches of fill
Center-----	12 inches of fill
Right Front-----	12 inches of fill
Right Rear-----	12 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 3 inches.

DCP Testing: Our representative performed Dynamic Cone Penetration (DCP) testing in general accordance with ASTM STP-399 at two 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]

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Monitoring:	DCP		

-- Depth---"N"-----Soil Color---USCS-----
 --- FSG --- 5 --- Orange --- SM, SC -----
 --- -1' --- 15 --- Orange --- SM, SC -----
 --- -2' --- 9 --- Orange --- SM, SC -----
 --- -3' --- 8 --- Light Brown --- SM, SC -----

Test 2: [Front Left Corner]

--- FSG --- 5 --- Orange --- SM, SC -----
 --- -1' --- 10.5 --- Orange --- SM, SC -----
 --- -2' --- 15 --- Orange --- SM, SC -----
 --- -3' --- 9 --- Light Brown --- SM, 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 disturbed we recommend to reroll the surface soil before the placement of the slab.

Comments

Comment	Log Date	Log Time
Based on our observations and test results, the newly placed fill/existing soils appear to be disturbed we recommend to reroll the surface soil before the placement of the slab.	06/10/2025	16:21:04

Field Observations Report

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Monitoring:	DCP		


Photographs

Picture ID	
108332	
108333	

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Monitoring:	DCP		

Photographs

Picture ID	
108334	
108335	

Hernan Perdomo



ST-1

Test Date: 06/05/2025
Field Technician: James Johnson
Tests requested by: N/R
Results provided to: N/R

Report of Field Density Testing

Project Name: Lot 552 Creekside Oaks North (CMT) Ambient Temperature: 70-80
Lillington, NC
Project Number: RD250525 Weather: Clear
Project Location: Lillington, 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			117.8	13.0%

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 : Lot 552 Back left corner :		FSG	112.1	9.0	95%	PASS

Equipment Used:
Last Calibration:

Standard Counts: Density:
Moisture: