

Dream Finders Homes-Carolinas 2919 Breezewood Avenue Suite 400 Fayetteville, NC 28303 07/07/2025

Attention : Blake Dickerhoff
Chris Adams

RE: Daily Field Report for 06/25/2025

Lot 547 Creekside Oaks North (CMT) Lillington, NC

Building & Earth Project No: RD250521

#### 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

Passed

Project Management Review

Passed

**ST-3**: In place field density testing was performed for Finished Subgrade Soils -Building. The field density testing was performed in general accordance with ASTMD6938, using values from 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-3



1027 US Highway 70 West Garner, NC 27529 Phone 910-292-2085 Fax 910-292-2192 www.BuildingandEarth.com Digitally signed by:

- Rachael Heath

- 07/07/2025

- 15:19:49

Reviewed By



# **Field Observations Report**

Project Name: Lot 547 Creekside Oaks North (CMT)

Lillington, NC

Project Number: RD250521

Client Name: **Dream Finders Homes-Carolinas** 

Placement#: **FO-2** 

Technician:

Contractor: **Dream Finders Homes-Carolinas** 

**Noah Dudley** 

Monitoring: Shallow Foundation Inspection

#### 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. Upon arrival, the contractor had not finished excavating the footings. Our evaluation as documented in this report includes:

**Future Footing Tests** 

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 1 inch.

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 Left Corner]

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

--- FSG ---- 15+ ---- Brown -- ------CS -------

--- -1' ----- 15+ ----- Brown -------CS -------

--- -2' ----- 15+ ----- Tan ----- SP -----

--- -3' ----- ---- Auger Refusal due to rock
```

### 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.

Digitally signed by:

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Client Name:

# **Field Observations Report**

Lot 547 Creekside Oaks North (CMT) Project Name:

Lillington, NC

**Dream Finders Homes-Carolinas** 

Contractor: **Dream Finders Homes-Carolinas** 

Monitoring: **Shallow Foundation Inspection** 

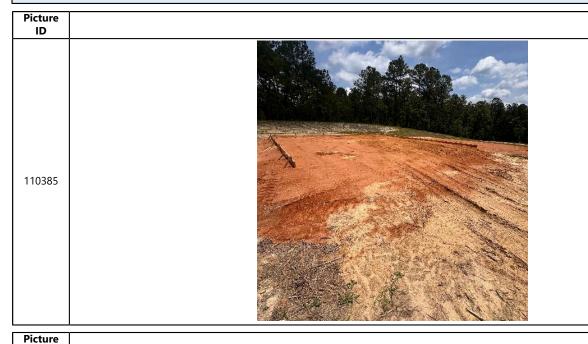
Placement#: FO-2

Project Number:

Technician: **Noah Dudley** 

RD250521

# **Photographs**



ID 110386

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ST-3

Test Date: 06/25/2025 Field Technician: Noah Dudley

Tests requested by: N/R Results provided to: N/R

>90

Sunny

Ambient Temperature:

Weather:

# **Report of Field Density Testing**

Project Name: Lot 547 Creekside Oaks North (CMT)

Lillington, NC

Project Number: RD250521
Project Location: Lillington, NC

ct Location: Lillington, NC Wind Conditions: Breezy
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			112.5	10.5%

## **Density Test Data**

	Test #	IDs		Test	Location	Probe Depth	Elev.	Dry	% Maisture	%	Result
		Area	Proctor	Туре		(in)	(ft)	Density(pcf)	Moisture	Compaction	
	1	FSG-Bldg	1-point	ASTMD6938	Finished Subgrade Soils -Building : Front left corner of pad 10 feet right : 10 feet back	4	FSG	110.0	5.7	98%	PASS

Equipment Used: 60150-Troxler3430 Last Calibration: 04/18/2025 Standard Counts:

Density: 1600 Moisture: 572

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