

On-site Homes, LLC
2931 Breezewood Ave
Suite 202
Fayetteville, NC 28303

02/10/2025

Attention : Chris Greene
David Sigmon
Travina Love

RE: Daily Field Report for 02/08/2025
200 Dove Road (CMT) Cameron, NC
Building & Earth Project No : RD250058

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

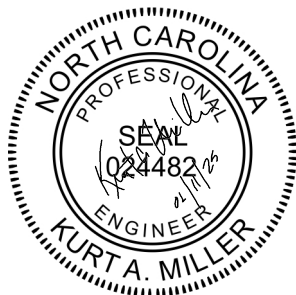
ST-2 : In place field density testing was performed for Finished Subgrade Soils -Building. The field density testing was performed in general accordance with ASTM D1556, using values from the laboratory proctors. One(1) in-place field density test was performed on this date. The testing results indicate 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-2



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Rachael Heath

Reviewed By

Field Observations Report

Project Name:	200 Dove Road (CMT) Cameron, NC	Project Number:	RD250058
Client Name:	On-site Homes, LLC	Placement#:	FO-2
Contractor:	On-site Homes, LLC	Technician:	Megan Tilley
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:

- 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. The site slopes downward from back to front. Building locations are referenced in cardinal directions. Maximum relief across the lot is approximately 1 foot. Surface water runoff appears to drain towards the road.

Comments on Improvements:

The site has been stripped of surface cover and topsoil. It appears that 36 inches of topsoil has been removed from the rear 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-----	36 inches of fill
Center-----	36 inches of fill
Right Front-----	12 inches of fill
Right Rear-----	36 inches of fill

Measurements:

- 1) How far is the nearest slope from the edge of the foundation? 20 feet

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 0.5 - 1.0 inch.

DCP Testing: Our representative performed Dynamic Cone Penetration (DCP) testing in general accordance with ASTM STP-399 at one representative locations to a depth of 48 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: [NW Corner: N 18.0 ft, W 15.0 ft]

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Monitoring: Shallow Foundation Inspection	

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---Depth----"N"-----Soil Color-----USCS-----
--- FSG ----15+ ---- Reddish Brown ----- SM -----
--- -1' ---- 10 ---- Reddish Brown ----- SM -----
--- -2' ---- 15+ ---- Reddish Brown ----- SM -----
--- -3' ---- 15+ ---- Reddish Brown ----- SM -----
--- -4' ---- 15+ ---- Brown ----- SM -----
    
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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.

Recommendations:

To minimize the potential for future softening of the bearing materials due to water infiltration, the surface soils should be protected from construction traffic and inclement weather. The construction of the footings and structure should commence without delay. In the event that the subgrade soils become wet, or otherwise compromised from their current condition, should be observed and retested as necessary by Building and Earth Sciences.

We note that our testing was isolated to the upper 4.0 feet of the soil profile from the finished subgrade elevation as observed on this date. As such, we cannot be aware of any soil or groundwater conditions below this depth that could adversely affect the support of the new construction. If additional information is required, please contact our office.

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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Contractor:	On-site Homes, LLC	Technician:	Megan Tilley
Monitoring:	Shallow Foundation Inspection		

Photographs

Picture ID	Lot Sign
101070	

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Monitoring: Shallow Foundation Inspection	

Photographs

Picture ID	SE Corner
101071	
Picture ID	NW Corner
101072	

Rachael Heath

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ST-2

Test Date: 02/08/2025
 Field Technician: Megan Tilley
 Tests requested by: N/R
 Results provided to: N/R

Report of Field Density Testing

Project Name: 200 Dove Road (CMT) Cameron, NC	Ambient Temperature: 43-57
Project Number: RD250058	Weather: Partly Cloudy
Project Location: Cameron, NC	Wind Conditions: Breezy
Client: On-site Homes, LLC	Results Provided To: N/R
Contractor: On-site Homes, LLC	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			108.1	13.5%

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 : NW Corner :		FSG	109.2	14.1	100+	PASS

Equipment Used:	Standard Counts:	Density:
Last Calibration:		Moisture:

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