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

11/13/2024

Attention : Chris Greene
David Sigmon
Travina Love

RE: Daily Field Report for 11/12/2024
HA 162 Susie Circle (CMT) Cameron, NC
Building & Earth Project No : RD240702

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-4 : Field Observations made on this date.

• Retest for Stem Wall	Passed
• Project Management Review	Passed

ST-4 : In place field density testing was performed for Finished Subgrade Soils -Building. The field density testing was performed in general accordance with ASTMD1556, 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-4, ST-4

NORTH CAROLINA PROFESSIONAL SEAL 024482 ENGINEER KURT A. MILLER

610 Spring Branch Road
Dunn, NC 28334
Phone 910-292-2085 Fax 910-292-2192
www.BuildingandEarth.com

Rachael Heath
Reviewed By

Field Observations Report

Project Name:	**HA 162 Susie Circle (CMT) Cameron, NC**	Project Number:	**RD240702**
Client Name:	**On-site Homes, LLC**	Placement#:	**FO-4**
Contractor:	**On-site Homes, LLC**	Technician:	**Eric T. Moore**
Monitoring:	**DCP**		

1 : Retest for Stem Wall Passed

Our evaluation included hand rod probing and advancing hand auger with Dynamic Cone Penetrometer (DCP) testing. Based upon our hand rod probing, the soils are loose along the perimeter of the rear of the pads stem wall to a depth of 6 inches. To confirm these results, hand auger borings were advanced at 1 location across the building envelope. At 12-inch increments in the hand auger boring, to a depth of 3 feet, Dynamic Cone Penetrometer (DCP) Testing was performed in accordance with ASTM STP-399. The following data was retrieved from this testing:

Test 1: [Back Left Corner]

-- Depth----"N"------Soil Color---USCS--------Notes:
--- FSG -- 6.5 --- Red Brown --- SM --------
--- -1' ---- 7.5 --- Red Brown ----- SM ---------
--- -2' ---- 7.5 --- Red Brown -------- SM -----
--- -3' ---- 7 --- Yellow Grey -------- SM -----

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 placement of concrete.

Note: Compact along the perimenter wall before the placement of concrete.

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.

610 Spring Branch Road
Dunn, NC 28334
Phone 910-292-2085 Fax 910-292-2192
www.BuildingandEarth.com

Rachael Heath
Reviewed By

Field Observations Report

Project Name:	**HA 162 Susie Circle (CMT) Cameron, NC**	Project Number:	**RD240702**
Client Name:	**On-site Homes, LLC**	Placement#:	**FO-4**
Contractor:	**On-site Homes, LLC**	Technician:	**Eric T. Moore**
Monitoring:	**DCP**		

Photographs

Picture ID	
96618	

Picture ID	
96619	

610 Spring Branch Road
Dunn, NC 28334
Phone 910-292-2085 Fax 910-292-2192
www.BuildingandEarth.com

Rachael Heath
Reviewed By

BUILDING & EARTH
Geotechnical, Environmental, and Materials Engineers

ST-4

Test Date: 11/12/2024
Field Technician: Eric T. Moore
Tests requested by: N/R
Results provided to: N/R

Report of Field Density Testing

Project Name:	HA 162 Susie Circle (CMT) Cameron, NC	Ambient Temperature:	70-90
Project Number:	RD240702	Weather:	Sunny
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 Contractor
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 : Rear center of stem wall pad :		FSG	106.2	10.6	98%	PASS

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

610 Spring Branch Road
Dunn, NC 28334
Phone 910-292-2085 Fax 910-292-2192
www.BuildingandEarth.com

Rachael Heath
Reviewed By