01/02/2020

A & G Residential
2533 Raeford Road
Suite C
Fayetteville, NC 28305

Attention : Jamie Godwin

RE: Daily Field Report for 12/31/2019
Lot 14 New Horizons (CMT) Lillington, NC
Building & Earth Project No : RD190606

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.
- 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 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-2

NORTH CAROLINA PROFESSIONAL SEAL 024482 ENGINEER KURT A. MILLER

1/2/20

Rachael Heath
Reviewed By

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

Field Observations Report

Project Name:	**Lot 14 New Horizons (CMT) Lillington, NC**	Project Number:	**RD190606**
Client Name:	**A & G Residential**	Placement#:	**FO-2**
Contractor:		Technician:	**Todd Davis**
Monitoring:			

1 : 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 bearing capacity of 2,000 psf is available. 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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Rachael Heath
Reviewed By

BUILDING & EARTH
Geotechnical, Environmental, and Materials Engineers

ST-2

Test Date: 12/31/2019
Field Technician: Todd Davis
Tests requested by: N/R
Results provided to: N/R

Report of Field Density Testing

Project Name: Lot 14 New Horizons (CMT) Lillington, NC
Project Number: RD190606
Project Location: Lillington, NC
Client: A & G Residential
Contractor:

Ambient Temperature: 50-70
Weather: Clear
Wind Conditions: Breezy
Results Provided To: N/R
Superintendant: 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			124.2	8.0%

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	ASTMD6938	Finished Subgrade Soils -Building : Center of Pad :	8	FSG	119.2	11.0	96%	PASS

Equipment Used: 21758-Troxler3440
Last Calibration: 00/00/0000

Standard Counts: Density: 1760
Moisture: 625

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