

H & H Homes  
2919 Breezewood Avenue  
Suite 400  
Fayetteville, NC 28303

04/29/2022

Attention : Calvin King  
Eric Baxley

**RE:** Daily Field Report for 04/28/2022  
Lot 35 Williams Farm (CMT) Erwin, NC  
Building & Earth Project No : RD220060

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-3 :** Field Observations made on this date.

- Project Management Review

Passed

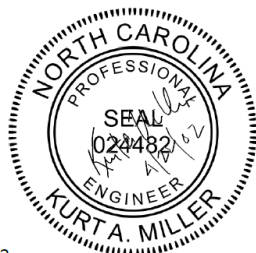
**ST-1 :** In place field density testing was performed for Finished Subgrade Soils -Building. The field density testing was performed in general accordance with ASTM D1556, using the results of field one-point as compared to the laboratory proctors. One(1) in-place field density test was performed on 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-3, ST-1



*Rachael Heath*

Reviewed By

## Field Observations Report

Project Name:	<b>Lot 35 Williams Farm (CMT) Erwin, NC</b>	Project Number:	<b>RD220060</b>
Client Name:	<b>H &amp; H Homes</b>	Placement#:	<b>FO-3</b>
Contractor:		Technician:	<b>Joshua Johnson</b>
Monitoring:			

### 1 : Project Management Review

Passed

Our client has authorized Building & Earth Sciences to perform an evaluation of the prepared building pad for this project. The structure has a stem wall foundation, and the foundation walls have been backfilled to the slab grade using structural fill soils. It appears that between .5 and 1.5 feet of structural fill soils have been placed to achieve the slab grade. The intent of our testing was to determine if the newly placed structural fill soils have been compacted to 95% to support the floor slab and the interior lug footings.

Our evaluation included hand rod probing the entire area for consistency and performing in place density tests to confirm compaction. Based upon our hand rod probing, the surface soils are firm and resistant to penetration. Our representative also performed in place density testing to confirm compaction of the surface soils. Our testing was performed using the sand cone method in general accordance with ASTM D-1556. Our results were compared to an in-field proctor that was performed in general accordance with ASTM D-698.

Therefore based upon the results of our testing, the newly placed fill soils have been compacted adequately to provide support for the interior lug foundations and the floor slab. It is important to note that structural inspections were not within our scope of work for this project. As such, we are not able to comment on the construction of the foundation wall.

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.



Reviewed By



**ST-1**

Test Date: 04/28/2022  
 Field Technician: Joshua Johnson  
 Tests requested by: N/R  
 Results provided to: N/R

**Report of Field Density Testing**

Project Name: Lot 35 Williams Farm (CMT) Erwin, NC      Ambient Temperature: 70-90  
 Project Number: RD220060      Weather: Partly Cloudy  
 Project Location: Erwin/Stewarts Creek Township, NC      Wind Conditions: Calm  
 Client: H & H Homes      Results Provided To: N/R  
 Contractor: H & H Homes      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			115.1	13.3%

**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 : Middle of pad :		FSG	114.1	9.9	99%	PASS

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

*Rachael Heath*

Reviewed By