

Clayton Homes  
12021 Andrew Jackson Hwy  
Laurinburg, NC 28352

03/23/2022

Attention : Elizabeth Rockwell

**RE:** Daily Field Report for 03/22/2022  
1125 Brooks Mangum Road (CMT) Cameron, NC  
Building & Earth Project No : RD220167

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

Comment 1 : Based on our testing results, we recommend compacting the surface soils before the construction of foundations.

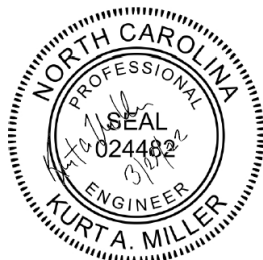
**ST-2** : In place field density testing was performed for Finished Subgrade Soils -Building. The field density testing was performed in general accordance with ASTM D1556, using the results of field one-point as compared to the laboratory proctors. One(1) in-place field density test was performed on 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-2, ST-2



*Rachael Heath*

Reviewed By

## Field Observations Report

Project Name:	<b>1125 Brooks Mangum Road (CMT) Cameron, NC</b>	Project Number:	<b>RD220167</b>
Client Name:	<b>Clayton Homes</b>	Placement#:	<b>FO-2</b>
Contractor:	<b>Clayton Homes</b>	Technician:	<b>Bruce Rohr</b>
Monitoring:	<b>Shallow Footing Testing</b>		

### 1 : Foundation Inspection

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 firm/loose to a depth of 4 inches. To confirm these results, hand auger borings were advanced at 3 locations across the building envelope. At 12-inch increments in the hand auger boring, to a depth of varied feet, Dynamic Cone Penetrometer (DCP) Testing was performed in accordance with ASTM STP-399. The following data was retrieved from this testing:

#### Test 1: [Front Right Corner]

-- Depth----"N"-----Soil Color---USCS-----Notes:  
--- ESG -- 6.5 --- Orange --- SC -----  
--- -1' ---- 7.5 --- Orange --- SC -----  
--- -2' ---- 6 ---- Orange --- SC -----  
--- -3' ---- 9.5 --- Orange --- SC -----  
--- -4' ---- 8.5 --- Grey ----- SP -----

#### Test 2: [Back Right Corner]

-- Depth----"N"-----Soil Color---USCS-----Notes:  
--- ESG -- 5.5 --- Orange ----- SC -----  
--- -1' ---- 8 ---- Orange ----- SC -----  
--- -2' ---- 9 ---- Orange ----- SC -----  
--- -3' ---- 7.5 --- Grey ----- SP -----

#### Test 3: [Front Left Corner]

-- Depth----"N"-----Soil Color---USCS-----Notes:  
--- ESG -- 5 --- Orange --- SC -----  
--- -1' ---- 10 --- Grey ----- SP -----  
--- -2' ---- 7 ---- Grey ----- SP -----

\*ESG = Existing Subgrade  
\*FSG = Finished Subgrade

We recommend compacting the surface soils before the construction of foundations.

### 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 (after compacting surface soils).

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.

## Field Observations Report

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Contractor: <b>Clayton Homes</b>	Technician: <b>Bruce Rohr</b>
Monitoring: <b>Shallow Footing Testing</b>	

### Comments

Comment	Log Date	Log Time
Based on our testing results, we recommend compacting the surface soils before the construction of foundations.	03/22/2022	13:03:21


*Rachael Heath*

Reviewed By

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### Photographs

Picture ID	Lot from Right
39397	

Picture ID	Lot from Left
39398	

*Rachael Heath*

Reviewed By



**ST-2**

Test Date: 03/22/2022  
 Field Technician: Bruce Rohr  
 Tests requested by: N/R  
 Results provided to: N/R

**Report of Field Density Testing**

Project Name: 1125 Brooks Mangum Road (CMT) Cameron, NC  
 Project Number: RD220167  
 Project Location: Cameron, NC  
 Client: Clayton Homes  
 Contractor: Clayton Homes

Ambient Temperature: 60-70  
 Weather: Sunny  
 Wind Conditions: Calm  
 Results Provided To: N/R  
 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			117.4	11.3%

**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 : Front Right Corner :		FSG	117.4	10.3	100%	PASS

Equipment Used:  
 Last Calibration:

Standard Counts:      Density:  
 Moisture:

*Rachael Heath*

Reviewed By