

GMC Construction
9820 US Hwy 301 North
Fayetteville, NC 28360

04/07/2025

Attention : Candy Forrester

RE: Daily Field Report for 04/02/2025
Lot 005 River Road (CMT) Fuquay-Varina, NC
Building & Earth Project No : RD250220

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

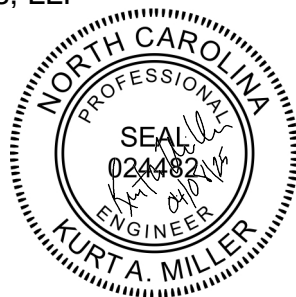
ST-2 : In place field density testing was performed for Finished Subgrade Soils -Building. The field density testing was performed in general accordance with ASTM D1556 and ASTM D6938, using the results of field one-point as compared to the laboratory proctors. A total of 8 in-place field density tests were 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:	Lot 005 River Road (CMT) Fuquay-Varina, NC	Project Number:	RD250220
Client Name:	GMC Construction	Placement#:	FO-2
Contractor:		Technician:	Rachael Heath
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 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.

Rachael Heath

Reviewed By



ST-2

Test Date: 04/02/2025
Field Technician: Justin Jernigan
Tests requested by: Tommy Strickland
Results provided to: Tommy Strickland

Report of Field Density Testing

Project Name: Lot 005 River Road (CMT) Fuquay-Varina, NC
Project Number: RD250220
Project Location: Fuquay-Varina, NC
Client: GMC Construction
Contractor: GMC Construction

Ambient Temperature: 45-65
Weather: Partly Cloudy
Wind Conditions: Breezy
Results Provided To: Tommy Strickland
Superintendent: Tommy Strickland

- Notes:
- 1 Test location by technician
 - 2 Elevation by Contractor
 - 3 Fill/backfill monitored by technician

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			126.5	8.5%

Density Test Data

Test #	Area	IDs Proctor	Test Type	Location	Probe Depth (in)	Elev. (ft)	Dry Density(pcf)	% Moisture	% Compaction	Result
1	FSG-Bldg	1-point	ASTMD1556	Finished Subgrade Soils -Building : Rear Right Corner 7' Front : 8' Left	6	-3'	121.6	7.3	96%	PASS
2	FSG-Bldg	1-point	ASTMD6938	Finished Subgrade Soils -Building : Rear Right Correlation 7' Front : 8' Left	6	-3'	122.1	7.0	97%	PASS
3	FSG-Bldg	1-point	ASTMD6938	Finished Subgrade Soils -Building : Left Front 10' Rear : 6' Right	6	-2'	121.4	7.4	96%	PASS
4	FSG-Bldg	1-point	ASTMD6938	Finished Subgrade Soils -Building : Right Rear 10' Front : 10' Left	6	-2'	122.6	7.4	97%	PASS
5	FSG-Bldg	1-point	ASTMD6938	Finished Subgrade Soils -Building : Front Left 14' Back : 10' Right	6	-1'	121.5	7.2	96%	PASS
6	FSG-Bldg	1-point	ASTMD6938	Finished Subgrade Soils -Building : Front Left 12' Back : 6' Left	6	FSG	122.0	7.3	96%	PASS
7	FSG-Bldg	1-point	ASTMD6938	Finished Subgrade Soils -Building : Rear Right 10' Front : 6' Left	6	-1	121.7	6.9	96%	PASS
8	FSG-Bldg	1-point	ASTMD6938	Finished Subgrade Soils -Building : Rear Right 8' Front : 12' Left	6	FSG	129.4	5.7	100+	PASS

Equipment Used: 60150-Troxler3430
Last Calibration: 00/00/0000

Standard Counts: Density: 1908
Moisture: 685

Rachael Heath

Reviewed By

Photographs

**Picture
ID**

104539

