

Thomas Properties
PO Box 875
Broadway, NC 27505

07/24/2025

RE: Daily Field Report for 07/16/2025
731 Bullard Road (CMT) Sanford, NC
Building & Earth Project No : RD250702

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-1 : Field Observations made on this date.

- DCP Testing

For Information Only

Comment 1 : Based on our observations and test results, we recommend undercutting the footings an additional 18-24 inches below planned bottom of footings. Install a tail drain to remove water from the foundation and drain to the lowest point. Replace removed soils with washed NCDOT #57 stone wrapping in filter fabric such as Mirafi 140N.

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-1

Field Observations Report

Project Name:	731 Bullard Road (CMT) Sanford, NC	Project Number:	RD250702
Client Name:	Thomas Properties	Placement#:	FO-1
Contractor:	Thomas Properties	Technician:	Anthony Wisniewski
Monitoring:	DCP		

1 : DCP Testing

We arrived onsite to evaluate the building pad area for this residential lot. We understand the residence has been designed to be supported on a crawl space foundation. Our evaluation as documented in this report includes:

- 1) A visual description of the residential lot
- 2) Comments on any improvements that affect the foundations of the residence
- 3) Hand rod probing of the footing excavations
- 4) Performing Dynamic Cone Penetration (DCP) tests at representative locations
- 5) Soil Density tests on fill, if applicable.

Visual Description of the Lot:

The site slopes downward from left to right. Building locations are referenced from the street looking at the front of the residence. Maximum relief across the lot is approximately 10 feet. Surface water runoff appears to drain to the right.

Comments on Improvements:

The site has been stripped but still appears to have a layer of organics that need attention. It appears that 12 inches of topsoil has been removed from the building pad area.

Hand Rod Probing: Our representative performed hand rod probing of the surface of the building pad. Hand rod probing of the bearing material generally showed an average penetration of approximately 2 inches. Areas of soft material were noted in the center with the hand rod probing to a depth of about 5 inches.

DCP Testing: Our representative performed Dynamic Cone Penetration (DCP) testing in general accordance with ASTM STP-399 at two representative locations to a depth of 36 inches. Our representative did observe water within the DCP boreholes as noted below.

The following information provides the results of our hand auger borings and DCP testing:

Test 1: [Front Center]

-- Depth----"N"-----Soil Color---USCS-----
 --- FSG ---- 7 ---- Black ---- SC -----
 --- -1' ----- 6 ----- Brown ---- SC -----
 --- -2' ----- 6 ----- Brown ---- SC -----
 --- -3' ----- 12 ----- Brown ---- SC -----

Test 2: [Rear Center]

-- Depth----"N"-----Soil Color---USCS-----
 --- FSG ---- 4 ---- Black ---- SC -----
 --- -1' ----- 4 ----- Brown ---- SC -----
 --- -2' ----- 8 ----- Brown ---- SC -----
 --- -3' ----- 12 ----- Orange ---- SC ----- Water was noted in both bore holes.

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Client Name:	Thomas Properties	Placement#:	FO-1
Contractor:	Thomas Properties	Technician:	Anthony Wisniewski
Monitoring:	DCP		

Results:

Based on our observations and test results, we recommend undercutting the footings an additional 18-24 inches below planned bottom of footings. Install a tail drain to remove water from the foundation and drain to the lowest point. Replace removed soils with washed NCDOT #57 stone wrapping in filter fabric such as Mirafi 140N.


Comments

Comment	Log Date	Log Time
Based on our observations and test results, we recommend undercutting the footings an additional 18-24 inches below planned bottom of footings. Install a tail drain to remove water from the foundation and drain to the lowest point. Replace removed soils with washed NCDOT #57 stone wrapping in filter fabric such as Mirafi 140N.	07/24/2025	15:24:46

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Monitoring:	DCP		

Photographs

Picture ID	Front
111110	

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Client Name:	Thomas Properties	Placement#:	FO-1
Contractor:	Thomas Properties	Technician:	Anthony Wisniewski
Monitoring:	DCP		

Photographs

Picture ID	Rear
111111	