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

03/05/2021

Attention : Eric Baxley
Tim Adams

RE: Daily Field Report for 03/03/2021
Lot 109 Anderson Creek Academy ACX (CMT) Spring Lake, NC
Building & Earth Project No : RD210139

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.

- Foundation Inspection — For Information Only

Comment 1 : Based on our observations and test results, we recommend the following: 1. Undercut the perimeter footings an additional12 foot from the intended bottom of the footings. 2. Install a tail drain to remove water from the foundation to drain to the lowest point. 3. Replace with washed NCDOT #57, 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

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

Rachael Heath
Reviewed By

Field Observations Report

Project Name:	**Lot 109 Anderson Creek Academy ACX (CMT) Spring Lake, NC**	Project Number:	**RD210139**
Client Name:	**H & H Homes**	Placement#:	**FO-1**
Contractor:	**H & H Homes**	Technician:	**Ian Callaway**
Monitoring:	**DCP**		

1 : Foundation Inspection

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. Upon arrival, the contractor had not finished excavating the footings. Our evaluation as documented in this report includes:

1) A visual description of the residential lot
2) Comments on any improvements that hat 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 lot is generally sloping front to back right to left. Maximum relief across the lot is 2.5 feet. Surface water runoff appears to drain towards the left.

Comments on Improvements:

The site has not been stripped of topsoil and surface cover. It appears that 0 inches of topsoil has been removed from the building pad area.

Structural fill has not been placed at the site to level the building pad.

Future Footing Tests

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 2-4 inches. Areas of (soft/loose) material were noted at the back left corner with the hand rod probing to a depth of about 10-12 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 Right Corner]

-- Depth----"N"------Soil Color---USCS-------
--- FSG ---- 4 -------- Brown ----- SM --------
--- -1' ------ 8 -------- Brown ---- SM ---------
--- -2' ------ 13 ------- White ----- SP ----- Water encountered at -2 feet
--- -3' ------ 15+ --- Orange Tan - SC/SM -----

Test 2: [Back Left Corner]

-- Depth----"N"------Soil Color---USCS--------
--- ESG -------2 ------ White Tan ---- SM --------

Field Observations Report

Project Name:	**Lot 109 Anderson Creek Academy ACX (CMT) Spring Lake, NC**	Project Number:	**RD210139**
Client Name:	**H & H Homes**	Placement#:	**FO-1**
Contractor:	**H & H Homes**	Technician:	**Ian Callaway**
Monitoring:	**DCP**		

--- -1' -------- 6 ------ White Tan ---- SM --------- Water occurred at -1.5 Feet
--- -2' ------ 12.5 ----- Dark Tan ----- SM -----
--- -3' ------ 15+ ----- Orange Tan -- SC/SM -----

Results:

Based on our observations and test results, we recommend the following:

1. Undercut the perimeter footings an additional12 foot from the intended bottom of the footings.
2. Install a tail drain to remove water from the foundation to drain to the lowest point.
3. Replace with washed NCDOT #57, wrapping in filter fabric such as Mirafi 140N.

Comments

Comment	Log Date	Log Time
Based on our observations and test results, we recommend the following: 1. Undercut the perimeter footings an additional12 foot from the intended bottom of the footings. 2. Install a tail drain to remove water from the foundation to drain to the lowest point. 3. Replace with washed NCDOT #57, wrapping in filter fabric such as Mirafi 140N.	03/05/2021	09:58:03

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

Rachael Heath
Reviewed By

Field Observations Report

Project Name:	**Lot 109 Anderson Creek Academy ACX (CMT) Spring Lake, NC**	Project Number:	**RD210139**
Client Name:	**H & H Homes**	Placement#:	**FO-1**
Contractor:	**H & H Homes**	Technician:	**Ian Callaway**
Monitoring:	**DCP**		

Photographs

Picture ID	Lot 109
26939	

Picture ID	Lot 109 left
26940	

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

Rachael Heath
Reviewed By

Field Observations Report

Project Name:	**Lot 109 Anderson Creek Academy ACX (CMT) Spring Lake, NC**	Project Number:	**RD210139**
Client Name:	**H & H Homes**	Placement#:	**FO-1**
Contractor:	**H & H Homes**	Technician:	**Ian Callaway**
Monitoring:	**DCP**		

Photographs

Picture ID	Lot 109 right
26941	

Picture ID	Lot 109 drainage
26942	

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

Rachael Heath
Reviewed By

Field Observations Report

Project Name:	**Lot 109 Anderson Creek Academy ACX (CMT) Spring Lake, NC**	Project Number:	**RD210139**
Client Name:	**H & H Homes**	Placement#:	**FO-1**
Contractor:	**H & H Homes**	Technician:	**Ian Callaway**
Monitoring:	**DCP**		

Photographs

Picture ID	Lot 109 problamatic probe
26943	

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

Rachael Heath
Reviewed By