

DESIGN PROFESSIONAL INSPECTION FORM

RECORD OF THE INSPECTION OF A COMPONENT OR ELEMENT BY A NC LICENSED ARCHITECT OR ENGINEER

Project Information:

Residential Single-Family Project: Y N	Commercial Project: Y N
Code Enforcement Project No:	Permit No: BRES2106-0069
Project Name: 195 Turlington Hill Lane	Owner: Turlington, Rodney
Project Address: 195 Turlington Hill Lane, Lillington, NC	Suite No:
Date Inspected: 09/01/2021	Contractor Name: McGee Brothers
Component Inspected: residential home footings prior to concrete placement	

Responsible Licensed NC Architect or NC Engineer

Name:	W. Shawn Sullivan, P.E.
Firm Name:	GTA Associates, Inc.
Phone Numbers:	Office: 984-200-2104 Mobile: 984-500-6192
Email Address:	Shawnsullivan@gtaeng.com
Mailing Address:	5605 Chapel Hill Road, Suite 112, Raleigh, NC 27607

APPLICABLE CODE: 2018 NC Residential Code

2018 NCBC = 2018 NC Building Code; 2018 NCRC = 2018 NC Residential Code

Describe Element/Component/Type of Inspection: * strip ftgs, pier ftgs, lug ftgs, under code R403.1. Soil Bearing Capacity = 2,000 psf(see attached report)

*(subgrade form/letter may also be required)

Attestation/Signature:

By signing below, I certify that the component and/or element of the building as identified on this form has been inspected by me or someone under my direct supervision per subsection (b2) of NC G.S. 153A-352 and is in compliance with the approved plans & specifications for the project. This inspection is in compliance with all of the requirements of the above referenced code. Attach any additional documents if needed.

Licensed Architect or Engineer



Inspection Department disclaimer:

Upon the receipt of a signed written document as required under subsection (a) of Article 160A-413.5., Code Enforcement shall be discharged and released from any liabilities, duties and responsibilities imposed by this article or in common law from any claim arising out of or attributed to the component or element in the construction of the building for which the signed written document was submitted. Be aware that this inspection will be noted in all inspection records including the Certificate of Occupancy or Certificate of Compliance. This inspection does not address any local ordinances or zoning requirements.



Project Name: 195 Turlington Hill Lane - Lillington, NC Date: 9 / 1 / 2021 GTA Rep: Junior Wheeler
 Project No.: 201253x021 Client: McGee Brothers Weather: Sunny Temperature: 89 °F

Location of Work:

195 Turlington Hill Lane - Lillington, North Carolina

Plans Referenced:

Foundation Drawings available on-site

Description of Work:

-195 Turlington Hill Lane (Permit No.: BRES2106-0069)

GTA representative arrived on-site, as requested, to test the bearing capacity of near surface soils for footings, and to perform 3rd party footing observations prior to concrete placement for the residential home planned for construction at address 195 Turlington Hill Lane Lillington, North Carolina.

Utilizing a steel probe rod, hand auger, and Dynamic Cone Penetrometer (ASTM STP399) to test the bearing capacity of near surface soils for footings, test results indicated that soils, at the locations and elevations tested; are capable of supporting footings designed for a net allowable bearing pressure of 2,000 psf.

Please note, GTA test results are only indicative of soil conditions at the specific GTA test locations and depths explored. GTA hand-auger borings were supplemented with Dynamic Cone Penetrometer (DCP) testing to explore the near surface soil conditions. GTA testing was performed to a maximum depth of 4-feet below bottom of footing elevation. Where deeper fill soils are present, GTA has assumed the fill subgrade was prepared properly, and the fill soils were placed and compacted properly.

GTA recommends footings be excavated, tested, and concrete placed on the same day, if possible. Foundation observations and soil bearing capacity testing are only valid between rain events. If foundation bearing materials are exposed to freezing temperatures, inclement weather, or disturbed due to construction activity, GTA should be contacted to re-evaluate the foundation bearing materials prior to the placement of concrete.

Also on this date, utilizing the approved construction drawings, GTA performed 3rd party footing observations prior to concrete placement for the above referenced residential home.

Based on GTA visual observations, the footings (size, dimensions, general locations) at the above referenced lot, appear to have been prepared in general accordance with the approved project drawings. The footing excavations on this date were observed to be free of loose soil, debris, and water.

Remarks/Deficiencies/Failing Tests:

Nuclear Gauge: Soil Asphalt None
 Attachments: Location Sketch Photos Nuclear Field Density Concrete Test Report
 Material Tickets Subgrade Preparation Report Foundation Observation Report
 Other DPI Form

Portal-to-Portal Time: 3.5
 Mileage: 80

The daily report is preliminary and is provided solely as evidence that a site visit was performed.

GTA Reviewer: Shawn Sullivan



Project No. 201253x021
Project Name: 195 Turlington Hill Lane - Lillington, NC
Client: McGee Brothers
Technician: Junior Wheeler

Date: 9 / 1 / 2021
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DESCRIPTION OF WORK (Continued)

Based on the result of GTA visual observations and testing performed on this date, the soil bearing conditions and foundation preparations observed, appear to be in general accordance with the 2018 North Carolina Residential Code, and the approved project drawings.

Please see the attached site photos for site conditions observed by GTA on this date



SKETCH

Project No. 201253x021
Project Name: 195 Turlington Hill Lane - Lillington, NC

Date: 9 / 1 / 2021
Sketch No. 1

GTA Associates, Inc. www.gtaeng.com 5605 Chapel Hill Road Suite 112 Raleigh, NC 27607 (984)-200-2104

FOUNDATION OBSERVATION REPORT

Project: McGrees Bro Project No.: _____ Date: 9 / 1 / 2021

Soils Report Used: _____ Structural Plan Used: _____

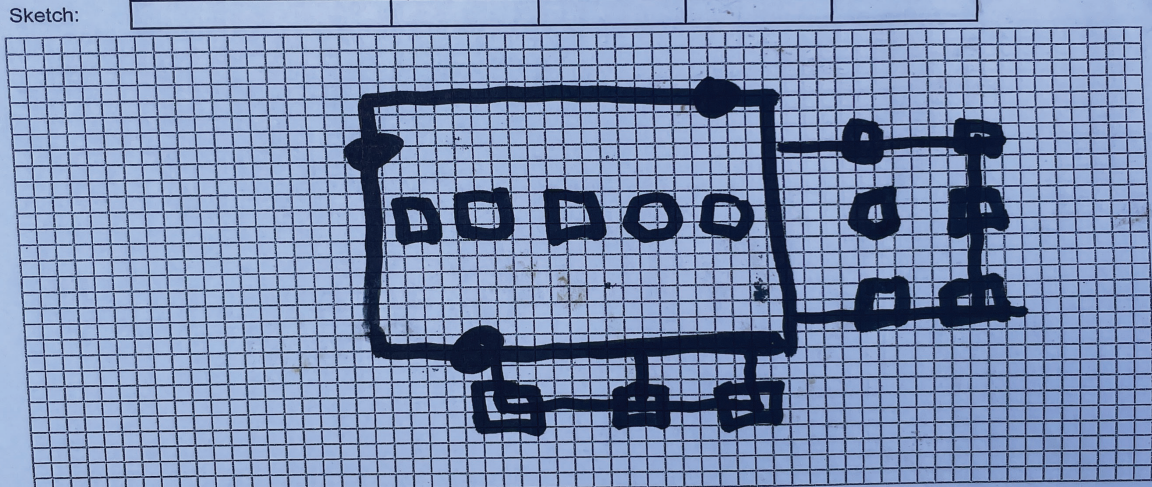
Lot No.: _____ Site Plan Used: _____

Technician: Junior House Type: _____ Soil Bearing: 2000 psc

6 Mil Vapor Barrier Observed: Yes No Insulation Board Observed: Yes No

Permit No.: _____ Address: _____

Wall/Column Footing	Width (in.)		Depth (in.)	
	Required	Measured	Required	Measured



Notes:
Soils at the locations and elevations tested appear to be capable of supporting the footing as designed.

***Foundation observations and soil bearing capacity testing are only valid between rain events. If foundation bearing materials are exposed to freezing temperatures, inclement weather, or disturbed due to construction activity, GTA should be contacted to re-evaluate the foundation bearing materials prior to the placement of concrete ***

- Any undercuts? Yes No Describe: _____
- Undercuts backfilled with: Stone Flowable Fill Concrete
- Re-visit required? Reason: _____

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Project No. 201253x021
Project Name: 195 Turlington Hill Lane - Lillington, NC

Date: 9 / 1 / 2021
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Site conditions observed on this date



Site conditions observed on this date