

## APPENDIX G

# 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 <input checked="" type="checkbox"/> N <input type="checkbox"/>	Commercial Project: Y <input type="checkbox"/> N <input checked="" type="checkbox"/>
Code Enforcement Project No:	Permit NO: not posted
Project Name: 378 Skycroft Drive	Owner: America's Home Place, Inc.
Project Address: 378 Skycroft Drive, Sanford, North Carolina	Suite No:
Date Inspected: 7/25/2022	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 NCRC

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

Describe Element/Component/Type of Inspection: \*

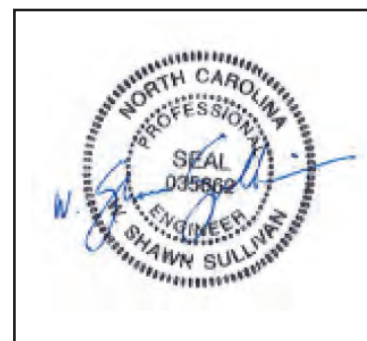
strip ftgs, pier ftgs, lug ftgs, under code R403.1. Soil Bearing Capacity = 2,000 psf(see attached report)

\*(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 G.S. 160D-11-6 and is in compliance with the Code or other proposal of the architect or engineer 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 by G.S. 160D-11-6, 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.

Effective January 1<sup>st</sup>, 2021



Project Name: 378 Skycroft Drive Date: 7 / 25 / 2022 GTA Rep: Matthew Wright  
 Project No.: 201253x061 Client: McGee Brothers Weather: Sunny Temperature: 92 °F

**Location of Work:**

378 Skycroft Drive, Sanford, North Carolina

**Plans Referenced:**

Schumacher Homes Foundation Plan available in job box on-site

**Description of Work:**

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 378 Skycroft Drive in Sanford, 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, with the exception of organic laden soils identified along the back wall footing and slab area(see sketch).

GTA recommended removing the organic laden soils observed in the open footing excavation and the slab area prior to basement slab preparation. While on-site, GTA observed the removal of soft organic laden soils in the footing excavation to expose a clean, competent bearing subgrade. Please note, the contractor told GTA that they plan to remove the organic laden soils in slab areas on a later date, during slab preparations for the basement slab. The over-excavated footing area had approximate measured dimensions as follows: (98' x 2' x 0.8') = 5.8 cubic yards.

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, compacted, and tested 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.

**Remarks/Deficiencies/Failing Tests:**

Organic laden soils removed from back wall footing, approximately 5.8 cubic yards

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: 5  
 Mileage: 40

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

GTA Reviewer: Shawn Sullivan



Project No. 201253x061  
Project Name: 378 Skycroft Drive  
Client: McGee Brothers  
Technician: Matthew Wright

Date: 7 / 25 / 2022  
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**DESCRIPTION OF WORK (Continued)**

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 observed were free of loose soil, debris, and water.

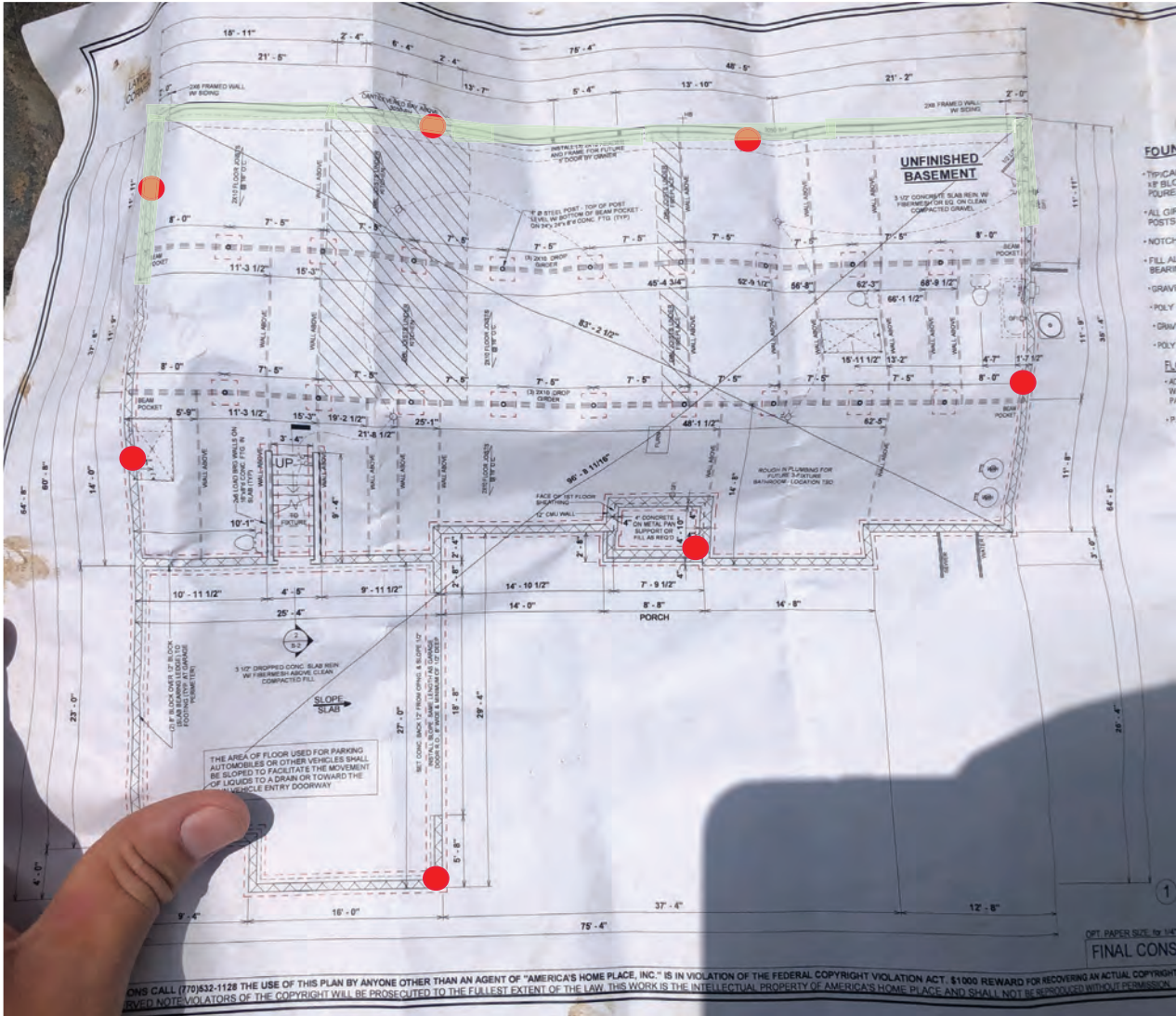
Based on the results of GTA visual observations and testing performed on this date, the soil bearing conditions and foundation preparations observed appear to be in general accordance with the 2018 North Carolina Residential Code and the approved project drawings.

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



Project No. 201253x061  
 Project Name: 378 Skycroft Drive

Date: 7 / 25 / 2022  
 Sketch No. 1



- - Dcp Test Locations
- - Approximate location of undercut



Project No. 201253x061  
Project Name: 378 Skycroft Drive

Date: 7 / 25 / 2022  
Photo Page No. 1



Site conditions observed



Site conditions observed, heavy organics observed, prior to contractor removing