



Project Name: 555 Brock Road - Bunnlevel, NC Date: 9 / 9 / 2020 GTA Rep: Evan Hamo  
 Project No.: 201253X001 Client: McGee Brothers Weather: Overcast Temperature: 80 °F

**Location of Work:**

555 Brock Road - Bunnlevel, Harnett County, North Carolina

**Plans Referenced:**

Approved Plans Found in Job Box On-Site - Charleston Modern Farmhouse Foundation Plan

**Description of Work:**

Lot: 555 Brock Road (Permit No.: SFD2005-0077)

GTA representative arrived on-site, as requested, to test the bearing capacity of near surface soils for one (1) interior pier footing for the residential home under construction at address 555 Brock Road, Bunnlevel, Harnett County, North Carolina. Please see the above physical site address and building permit number for the Lot observed on this date.

Please note, based on conversations with McGee Brothers representatives prior to our arrival on-site, GTA understands that the local building inspector visited the project site on this date, and approved the foundation preparations for concrete placement, with the exception of one (1) interior pier footing where soft soils were identified. The local building inspector requested a geotechnical engineer to provide comment/remedial recommendations, if necessary, for the interior pier foundation bearing soils at the property referenced above. Please see the attached site sketch for the approximate area of footing observations and testing performed on this date.

Utilizing a steel probe rod, hand auger, and Dynamic Cone Penetrometer (ASTM STP399), GTA observed soft/loose surficial soils in the referenced pier footing excavation. GTA recommended removing the soft/loose soils identified, and backfill of the resulting excavation with #57 stone or additional concrete during concrete placement for footing construction.

While on-site, GTA observed removal of the identified soft soils for the interior pier, and noted the excavation had approximate measured dimensions of: (4.66' x 3.25' x 1') = 0.55 cubic yards. The remedial actions appeared to have been performed in general accordance with GTA recommendations. After removal of the soft soils identified, GTA re-tested the soil bearing capacity at the new bottom of footing elevation. Utilizing a DCP, test results indicated that soils; at the areas and elevations tested, appear capable of supporting a foundation designed for a net allowable bearing pressure of 2,000 psf

GTA was informed the soft soil excavation for the interior pier will be backfilled with additional concrete during concrete placement for foundation construction.

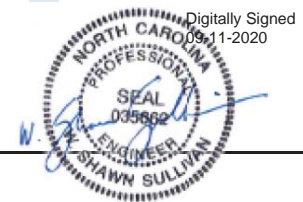
**Remarks/Deficiencies/Failing Tests:**

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

Portal-to-Portal Time: 3  
 Mileage: 85

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

GTA Reviewer: \_\_\_\_\_





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**DESCRIPTION OF WORK (Continued)**

Please note, GTA test results are only indicative of soil conditions at the specific GTA test locations and depths explored. GTA hand-auger borings supplemented with Dynamic Cone Penetrometer (DCP) testing on this date, 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 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.

GTA observations on this date were summarized in a Preliminary Foundation Observation Report and a hand-written copy was placed in the job box on-site. A copy of the Preliminary Foundation Observation Report that was left on-site is included in the attachments to this report.

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



# SKETCH

Project No. 201253X001  
Project Name: 555 Brock Road - Bunnlevel, NC

Date: 9 / 9 / 2020  
Sketch No. 1

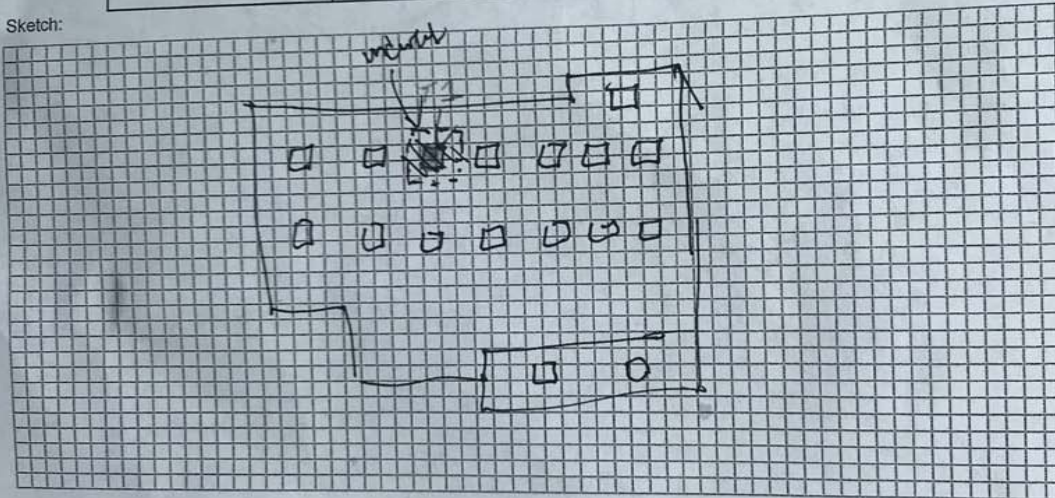


## FOUNDATION OBSERVATION REPORT

Project: 555 Brock Rd Project No.: \_\_\_\_\_ Date: 9 / 9 / 20  
Soils Report Used: on-site foundation Structural Plan Used: \_\_\_\_\_ Revisions: \_\_\_\_\_  
Lot No.: \_\_\_\_\_ Site Plan Used: \_\_\_\_\_ Soil Bearing: 2000  
Technician: Evan Helms House Type: \_\_\_\_\_  
6 Mil Vapor Barrier Observed:  Yes  No Insulation Board Observed:  Yes  No  
Permit No.: SFD 2005-0077 Address: 555 Brock Road

Wall/Column Footing	Width (in.)		Depth (in.)	
	Required	Measured	Required	Measured
<u>pile</u>	<u>36 x 36 x 12</u>			<u>32 x 56 x 39</u>

Sketch:



GTA recommends testing bearing capacity of foundation bearing materials and pouring concrete for footings 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 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.

Comments:

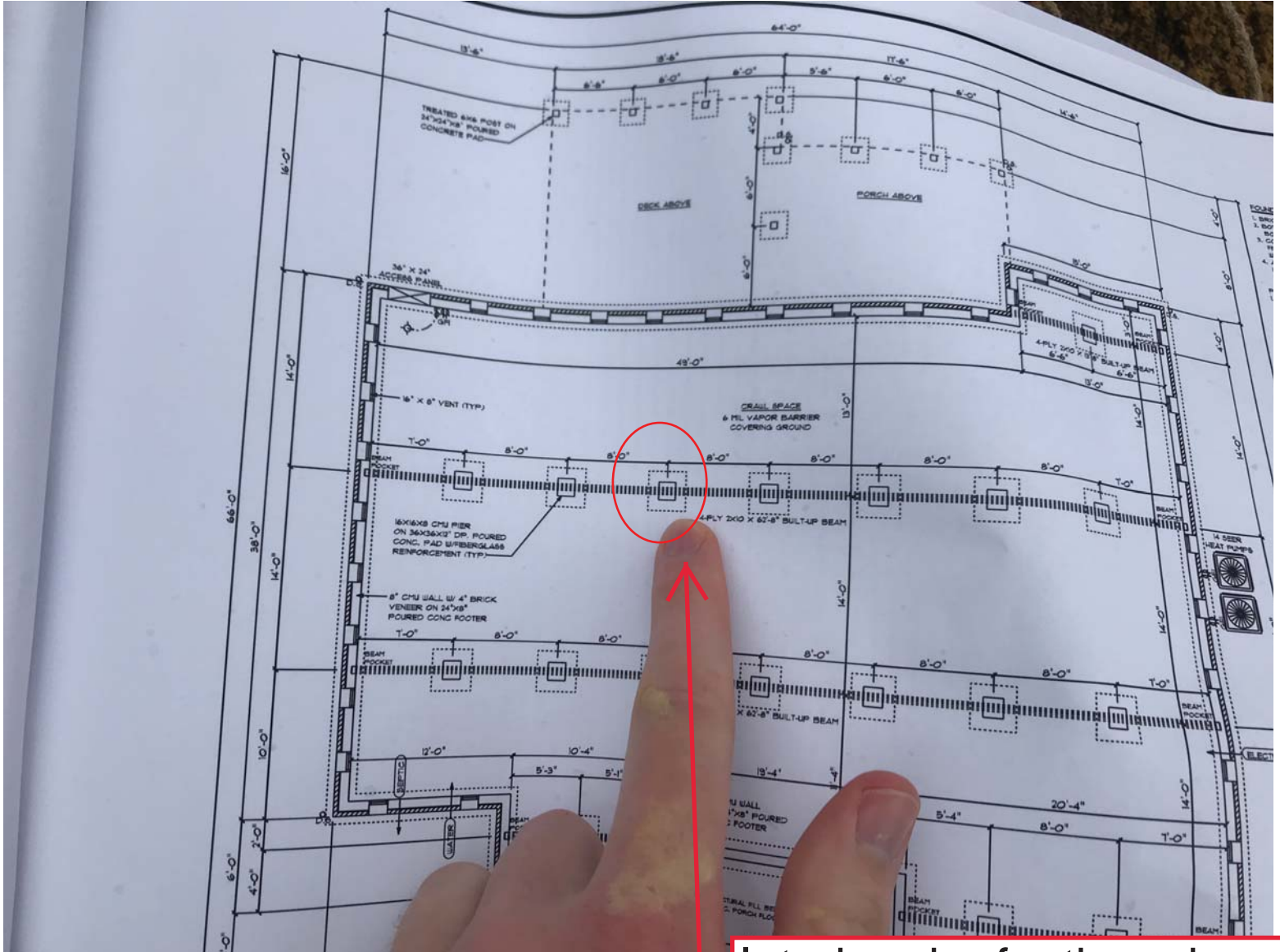
areas at the locations and elevations tested  
appeared to be capable of supporting the footing as designed  
incident was observed on-site

- NOTES: 1. Any undercuts?  Yes  No Describe pile footing 32 x 56 x 39  
2. Undercuts backfilled with:  Stone  Flowable Fill  Concrete  
3. Re-visit Required?  Yes Reason: \_\_\_\_\_



Project No. 201253X001  
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Sketch No. 2



Interior pier footing where  
GTA was requested to  
test soil bearing capacity



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Photo Page No. 1



Site Conditions Observed



Site Conditions Observed