



Project Name: Quail Glen - Lots 53 and 54 Date: 8 / 13 / 2020 GTA Rep: Evan Hamo
 Project No.: 200385N05* Client: Ryan Homes Weather: Sunny Temperature: 90 °F

Location of Work:

Quail Glen - Harnett Central Road, Angier, North Carolina

Plans Referenced:

Ryan Homes Foundation Drawings

Description of Work:

Lot 53 - 129 Bark Way (Permit No.: 0041)
 Lot 54 - 130 Bark Way (Permit No.: 0070)

GTA representative arrived on-site, as requested, to test the bearing capacity of near surface soils for turn-down footings, and to perform 3rd party mono-slab observations prior to concrete placement for Lots 53 and 54 in the Quail Glen subdivision in Angier, North Carolina. Please see the above physical site addresses and building permit numbers for the Lots observed on this date.

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

Please note, 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.

Also, on this date, as requested, GTA performed 3rd Party observations for mono-slab preparation prior to concrete placement for Lots 53 and 54

Utilizing the approved construction drawings, foundation excavations (turn-down footings and grade-beams) observed on this date, appeared to have been excavated to the specified depth and size. The foundation excavations 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 _____

Portal-to-Portal Time: 4
 Mileage: 60

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)

Also, GTA observed a 6-Mil vapor barrier had been placed in slab areas. Additionally, GTA observed insulation board along the perimeter of the exterior walls. The vapor barrier and insulation board placement observed, appeared to be in general accordance with the approved project drawings.

Based on GTA visual observations and testing performed on this date, the soil bearing conditions and mono-slab preparations for Lots 53 and 54, appeared to be in general conformance with the 2018 North Carolina Residential Code and approved construction drawings.

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



SKETCH

Project No. 200385N05*
Project Name: Quail Glen - Lots 53 and 54

Date: 8 / 13 / 2020
Sketch No. 1

FOUNDATION OBSERVATION REPORT

Project: Quail Glen Project No.: _____ Date: 8 / 13 / 20

Soils Report Used: _____ Structural Plan Used: _____

Lot No.: 53 Site Plan Used: on-site footing Revisions: _____

Technician: Evan Howe House Type: CEDAR Soil Bearing: 2000 psf

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

Permit No.: CC41 Address: 129 Berk way.

Wall/Column Footing	Width (in.)		Depth (in.)	
	Required	Measured	Required	Measured
<u>wall</u>	<u>16</u>	<u>18</u>	<u>18</u>	<u>20</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 location & elevation tested should be capable of supporting the footing as designed

NOTES: 1. Any undercuts? Yes No Describe: _____
 2. Undercuts backfilled with: Stone Flowable Fill Concrete
 3. Re-visit Required? Yes Reason: _____



SKETCH

Project No. 200385N05*
Project Name: Quail Glen - Lots 53 and 54

Date: 8 / 13 / 2020
Sketch No. 2

GTA **FOUNDATION OBSERVATION REPORT**

Project: Quail Glen Project No.: _____ Date: 8 / 13 / 20

Soils Report Used: _____ Structural Plan Used: _____

Lot No.: 54 Site Plan Used: on-site footing Revisions: 2

Technician: Evan Hamer House Type: Cedar Soil Bearing: 2000 psf

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

Permit No.: 0070 Address: 130 Bark way

Wall/Column Footing	Width (in.)		Depth (in.)	
	Required	Measured	Required	Measured
<u>Wall</u>	<u>16</u>	<u>18</u>	<u>18</u>	<u>21</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 location to evaluate tested should be capable of supporting the footing as designed

NOTES: 1. Any undercuts? Yes No Describe _____
2. Undercuts backfilled with: Stone Flowable Fill Concrete
3. Re-visit Required? Yes _____
Reason: _____



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Lot 53



Lot 53



PHOTO PAGE

Project No. 200385N05*
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Lot 54



Lot 54