



Project Name: Quail Glen - Lot 57 Date: 3 / 17 / 2020 GTA Rep: Brandon Parker
 Project No.: 200385N057 Client: Ryan Homes Weather: Cloudy Temperature: 55 °F

Location of Work:

Quail Glen - Harnett Central Road, Angier, North Carolina

Plans Referenced:

Ryan Homes Foundation Drawings

Description of Work:

Lot 57- 23 Bellini Drive (Permit No.: 2001-0063)

GTA representative arrived on-site, as requested, to re-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 Lot 57 in the Quail Glen subdivision in Angier, North Carolina. Please see the above physical site address and building permit number for the Lot observed on this date.

Please note, GTA previously tested bearing capacity of near surface soils for footings at Lot 57 on 3/13/2020, and a water line was encountered in the open footing excavation. On this date, GTA was requested on-site to test bearing capacity of soils for footings, after the water line had been removed and re-located.

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.

GTA noted the area of soft soils removed had approximate measured dimensions of:
 Lot 57- (23' x 1.5' x 1') = 1.3 Cubic yards

GTA was informed by the on-site Ryan Homes representative that the soft soil excavation at Lot 58 will be backfilled with additional concrete during concrete placement for monoslab construction.

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.

Remarks/Deficiencies/Failing Tests:

Soft soils removed:
 Lot 57- (23' x 1.5' x 1') = 1.3 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 _____

Portal-to-Portal Time: 2
 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)

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 Lot 57.

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.

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 Lot 57 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.



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Site conditions observed - Lot 57



Site conditions observed - Lot 57



SKETCH

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Sketch No. 1

FOUNDATION OBSERVATION REPORT

Project: Quail Glen Project No.: _____ Date: 3/17/20

Soils Report Used: _____ Structural Plan Used: _____

Lot No.: 57 Site Plan Used: _____ Revisions: _____

Technician: Brandon House Type: _____ Soil Bearing: 20000sf

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

Permit No.: 200-0063 Address: 23 Belmi Drive

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

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 and elevation tested should be capable of supporting the footing as designed.
pipe was moved out of footing.

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