



Project Name: Quail Glen - Lots 56 and 62 Date: 8 / 25 / 2020 GTA Rep: Junior Wheeler  
 Project No.: 200385N0\*\* Client: Ryan Homes Weather: Sunny Temperature: 88 °F

**Location of Work:**

Quail Glen - Harnett Central Road, Angier, North Carolina

**Plans Referenced:**

Ryan Homes Foundation Drawings available in job box on-site

**Description of Work:**

Lot 56 - 116 Bark Way (Permit No.: 2006-0087)  
 Lot 62 - 49 Fetch Court (Permit No.: 2006-0089)

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 56 and 62 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, with the exception of isolated soft soil areas identified at Lot 62 (see attached sketch).

GTA recommended removing the identified soft soils to expose a competent bearing subgrade, and backfill of the resulting excavation with #57 stone, or additional concrete during concrete placement for footing construction. GTA observed the on-site foundation contractor remove the soft soils identified down to a competent bearing subgrade. The resulting excavations had approximate measured dimensions of:  
 - Lot 62: (21' x 1.5' x 0.5') + (13' x 1.5' x 0.5') = 0.9 cubic yards.

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.

**Remarks/Deficiencies/Failing Tests:**

Soft/wet soils removed:  
 Lot 62 - (21' x 1.5' x 0.5') + (13' x 1.5' x 0.5') = 0.9 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: 5  
 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, on this date, as requested, GTA performed 3rd party observations for mono-slab preparation prior to concrete placement for Lots 56 and 62.

Utilizing the approved construction drawings, foundation excavations (turn-down footings and thickened slab areas) 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 Lots 56 and 62, 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.

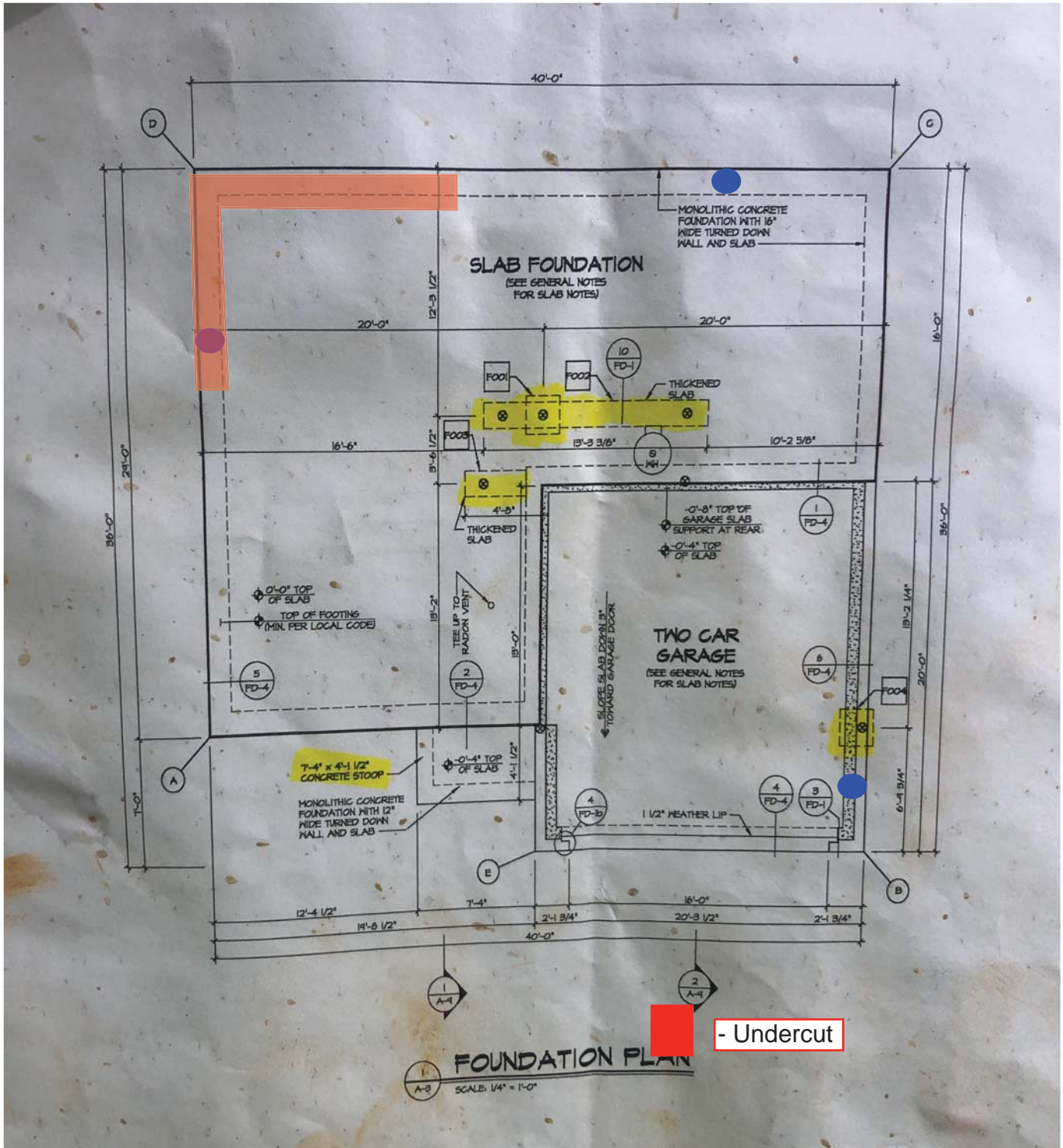




# SKETCH

Project No. 200385N0\*\*  
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 Sketch No. 2







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Lot 56



Lot 56





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Lot 62



Lot 62