

Harnett COUNTY INSPECTIONS DEPARTMENT

3RD PARTY 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 N Commercial Project: Y N
Code Enforcement Project No.: Permit No.: SFD2411-0084
Project Name: 157 Rainbow Drive Owner: BVA Enterprises Inc
Project Address: 157 Rainbow Drive, Dunn, North Carolina Suite No.:
Date Inspected: 12/16/2024 Contractor Name: BVA Enterprises Inc
Component Inspected: Mono-slab (prior to concrete placement)

Responsible Licensed NC Architect or NC Engineer

Name: W. Shawn Sullivan, P.E.
Firm Name: GTA Associates, Inc.
Phone No.: Office 984-200-2104 Mobile 984-500-6192
Email Address: Shawnsullivan@gtaeng.com
Mailing Address: 530 Hinton Pond Road, Suite 104, Knightdale, North Carolina 27545

APPLICABLE CODE SECTION:

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

Describe Element/Component/Type of Inspection: *

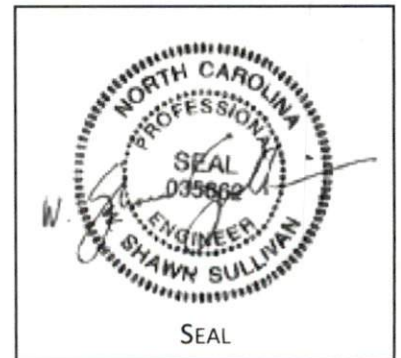
Mono-slab turn-down footings, under code R403.1. Vapor barrier and stone/granular subbase observed. Soil Bearing Capacity 2,000psf (see attached report).

*(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 subsection (b2) of NC G.S. 153A-352 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 **W. Shawn Sullivan,**
P.E.

Digitally signed by W. Shawn Sullivan, P.E.
Date: 2024.12.18 12:21:05 -05'00'



Inspection Department disclaimer:

Upon the receipt of a signed written document as required under subsection (a) of Article 160A-413.5., 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.



GTA Associates, Inc.
 Geotechnical and Environmental Consultants
 www.gtaeng.com

530 Hinton Pond Road, Suite 104
 Knightdale, NC 27545
 (984) 200-2104

Foundation Subgrade Report

Date: 12/16/2024 **Project No.:** 222363X068 **Client:** BVA Enterprises Inc **Subdivision:** N/A
Lot No.: N/A **Address:** 157 Rainbow Drive, Dunn, North Carolina **Permit No.:** SFD2411-0084

Foundation Subgrade Excavations For:

- | | |
|--|---|
| <input checked="" type="checkbox"/> Monolithic Slab Turn-Down Footings | <input type="checkbox"/> Stem-Wall Footings |
| <input type="checkbox"/> Crawl Space Footings (Walls and Piers) | <input type="checkbox"/> Deck Footings |
| <input type="checkbox"/> Below Grade Wall Footings | <input type="checkbox"/> Other: |

Design Bearing Capacity: 2,000 psf

Discrepancies Observed? Yes No

If yes, details: Note: contractor over-excavated turn-down footings prior to GTA arrival on-site

Over-Excavation (If applicable): 12- to 36-inches below planned bottom of footing elevation

Location: throughout turn-down footings

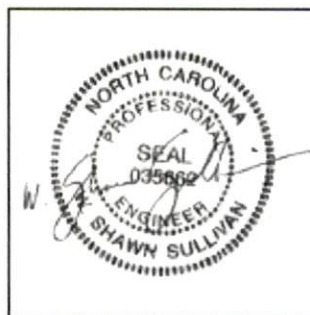
Approximate dimensions: varied

Backfilled with: No. 57 Stone Concrete Other

As requested, GTA Associates, Inc. (GTA) visited the subject project to observe the exposed soil subgrade in open footing excavations, and to test the bearing capacity of soils at, and below, the exposed bottom of footing elevation. Hand-auger borings supplemented with Dynamic Cone Penetrometer (DCP) testing was performed at various locations within the open footing excavations in general accordance with ASTM STP-399. As the hand-auger borings were advanced, DCP tests were conducted at one-foot intervals to a depth of 3-feet below bottom of footing elevation, or prior refusal. Based on the results of GTA visual observations and the testing performed, it is GTA's professional opinion that the soils, at the locations and elevations observed, are capable of supporting a foundation designed utilizing the design bearing pressure outlined above.

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 3-feet below bottom of footing elevation. Where deeper fill soils are present, GTA has assumed the fill soils were placed and compacted properly. At the time of our site visit, GTA has not been provided with documentation regarding the placement and compaction of fill soils for the referenced lot.

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.



Shawn Sullivan
 Professional Engineer Seal