

GeoTechnologies, Inc.

Geotechnical and Construction Materials Testing Services

March 28, 2025

Austin Robertson
Halcyon Homes
arobertson@halcyonhomesnc.com

Re: Evaluation of Foundation Bearing Conditions
45 Cotton Farms
Harnett County, North Carolina
GeoTechnologies Project No. 1-25-0231-EA

Gentlemen:

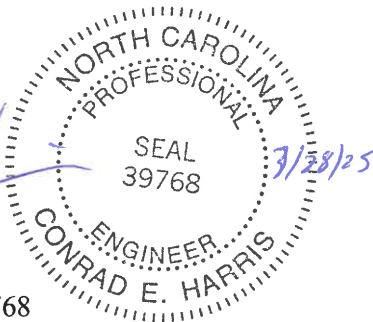
GeoTechnologies, Inc. has completed the authorized footing inspection for the residential structure under construction at 45 Cotton Farms in Harnett County, North Carolina. Our evaluation of the exposed soils consisted of probing the soils with a 1/2-inch diameter steel probe rod, and performing hand auger borings. The footings were excavated to bear at 0 to 3 feet below plan grade, and then the trenches were set to grade with additional concrete. The results of our evaluation indicate that the exposed subgrades within the footings will provide the 2,000 psf bearing capacity required for the proposed construction. As requested, GeoTechnologies observed that the excavation was per the approved plan, to include the footing dimensions, concrete depth, reinforcement, and frost line depth.

GeoTechnologies, Inc. appreciates the opportunity to provide you with our services during this phase of the project. Please contact us if you should have questions regarding this information or if we may be of further assistance.

Sincerely,

GeoTechnologies, Inc.

Conrad E. Harris, P.E.
NC Registration No. 39768



APPENDIX G

DESIGN PROFESSIONAL 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 <input checked="" type="radio"/> N <input type="radio"/>	Commercial Project: Y <input type="radio"/> N <input type="radio"/>
Code Enforcement Project No:	Permit No: SFD2503-0109
Project Name: 45 Cotton Farms	Owner: Halcyon Homes
Project Address: 249 Deer Tail Lane/Fuquay Varina/NC	Suite No:
Date Inspected: 3/27/2025	Contractor Name: Halcyon Homes
Component Inspected: Footings/Plan	

Responsible Licensed NC Architect or NC Engineer

Name:	Conrad. E. Harris, P.E.		
Firm Name:	GeoTechnologies, Inc.		
Phone Numbers:	Office: 919-954-1514	Mobile: 919-815-5586	
Email Address:	charris@geotechpa.com		
Mailing Address:	3200 Wellington Court/Suite 108/Raleigh/NC/27615		

APPLICABLE CODE:

2018 NCRC

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

Describe Element/Component/Type of Inspection: *

Footings/Plan(See Letter)

Residential Building Code Section R403

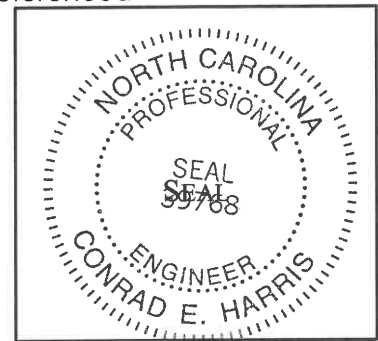
*(subgrade form/letter may also be required)

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 G.S. 160D-11-6 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



Inspection Department disclaimer:

Upon the receipt of a signed written document as required under subsection (a) of G.S. 160D-11-1, 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.