

D. ALLEN HUGHES
ENGINEERING, Inc.

1669 Jimmie Kerr Rd., Haw River, NC 27258
336-516-8634, Firm No. C-2951

January 27, 2025

Clayton Homes
1921 Keller Andrews Rd.
Sanford, NC 27330

Attention: Mr. Stephen Wheeler

Reference: Subgrade Test, 3rd Party Observation of Footing Excavations for Modular Home
41 Andrea Ct., Sanford, NC
Project No. D24mh67, Harnett County Permit No. BRES2408-0035

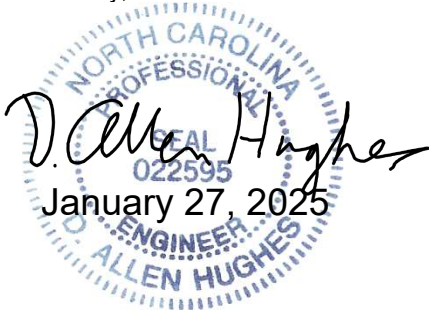
Dear Mr. Wheeler:

The site was visited January 25, 2025 to test, observe, measure and evaluate the subgrade, footing dimensions, footing projection and sill plate anchors at the foundation walls and interior piers of the proposed approximate 27 ft. by 56 ft. modular home. At the time of our visit, the footing excavations had been dug. The Foundation Plan is by Clayton Home Building Group, 20/30 PSF, model M780 foundation, dated 4/12/2021.

The subgrade was tested in the footing excavation bottoms with a Static Cone Penetrometer (SCP) test. Testing indicated adequate bearing capacity throughout. No porch footings outside the house footprint had been dug at the time of our site visit. Per our recommendation, loose fill that had fallen into the excavations was removed. Any loose soil that may fall or wash into the footing excavations should be removed just prior to concrete placement.

Based on testing, observation and implementation of the recommendations, the subgrade at the footing excavations for the home at 41 Andrea Ct., Sanford, NC is adequate to support the proposed loads (2,000 psf) of the home, the footing excavations for the home have been properly dug, meet or exceed the foundation plan and have been prepared in accordance with the NC Residential Code, 2018. If you should have any questions pertaining to this report, please call.

Sincerely,



January 27, 2025

D. Allen Hughes, P.E., President
D. Allen Hughes Engineering, Inc.

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: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Commercial Project: <input type="checkbox"/> Y <input checked="" type="checkbox"/> N
Code Enforcement Project No:	Permit No:
Project Name: D24mh67, Subgrade Test, 3rd Party Observation of Footing Excavations for Modular Home	Owner:
Project Address: 41 Andrea Ct., Sanford, NC	Suite No:
Date Inspected: January 25, 2025	Contractor Name: Clayton Homes
Component Inspected: Subgrade Test, 3rd Party Observation of Footing Excavations for Modular Home	

Responsible Licensed NC Architect or NC Engineer

Name:	D. Allen Hughes, PE
Firm Name:	D. Allen Hughes Engineering, Inc., NC Firm No. C-2951
Phone Numbers:	Office: Mobile: 336-516-8634
Email Address:	ncmodengineers@gmail.com
Mailing Address:	1669 Jimmie Kerr Rd., Haw River, NC 27258

APPLICABLE CODE: 2018 NC RESIDENTIAL CODE

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

Describe Element/Component/Type of Inspection: *

3rd Party Observation, Footing Projection for Foundation Walls, Water Proofing, (2) Back Porches

*(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 approved plans & specifications for the project. This inspection is in compliance with all of the requirements of the above referenced code. Attach any additional documents if needed.

D. Allen Hughes, PE

Licensed Architect or Engineer



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.