

Date: 09/10/2025

To: **Adrian Ordonez**
A & S Construction
PO Box 419
Angier, NC 27501
ap@aandsconstr.com
919-586-2401

Re: **Soil Suitability for Foundation Installation**
Location: 1845 Oakridge Duncan Rd. Fuquay-Varina, NC
JDS Project No.: RDU2509439
Date of Inspection: 9/3/2025; 9/5/2025; 9/8/2025; 9/9/2025
Foundation Type: Crawl Space
Additional Features: Rear Porch

Observations

Foundation excavation observation (sub-surface testing with respect to bearing capacity).

Recommendations

The exposed soils have been observed and tested for adequate bearing capacity (Probe and DCP). Based on our review and testing, the soil and conditions for the foundation are suitable for the minimum required bearing pressure of 2000 psf. Additionally, the over-excavated areas (all locations, 3 ft to 6 ft) may be back-filled with clean-washed #57 stone, placed and tamped in 1 ft lifts. We recommend lining the footings with a woven geo-fabric prior to stone placement.

If you have any questions or if I can be of further assistance to you on this project, please contact me at 919-218-4421.

Respectfully Submitted,
Samantha Lux
Field Operations Manager

Reviewing Engineer: Tommy P. Matthews, PE



Project Notes

This report is an assessment of vertical bearing capacity only. Minimum testing requirements include probe rod testing across the entire excavation and augers (minimum three locations) at multiple depths with Dynamic Cone Penetrometer (DCP) testing. Bearing capacity test results are voided if significant precipitation or water intrusion has occurred before concrete placement. JDS Consulting is not responsible for site conditions that divert water towards the foundation or that prevents drainage away from the foundation, which can lead to soft soils and future settlement problems. It is the contractor's responsibility to ensure that all foundation areas are free of organics, loose material, standing water, and any other deleterious materials prior to placement of stone or concrete. Retaining wall stability nor slope stability analysis has been evaluated. JDS Consulting shall not be held responsible for current or future retaining-wall or slope-related issues.

APPENDIX G

DESIGN PROFESSIONAL INSPECTION FORM

RECORD OF THE INSPECTION OF A COMPONENT OR ELEMENT BY AN NC-LICENSED ARCHITECT OR ENGINEER

Project Information

Residential Single-Family Project: Y N	Commercial Project: Y N
Code Enforcement Project No:	Permit No: SFD2507-0064
Project Name:	Owner:
Project Address: 1845 Oakridge Duncan Rd. Fuquay-Varina, NC	Suite No:
Date Inspected: 9/3/2025; 9/5/2025; 9/8/2025; 9/9/2025	Contractor Name: A & S Construction
Component Inspected: Footing	

Responsible Licensed NC Architect or NC Engineer

Name:	Reviewing Engineer: Tommy P. Matthews, PE
Firm Name:	JDS Consulting, PLLC (NC Firm License No. P-0961)
Phone Numbers:	Office: (919)480-1075 Mobile:
Email Address:	field@jdsconsulting.net
Mailing Address:	543 Pylon Dr, Raleigh, NC 27606

APPLICABLE CODE:

2018 NCRC

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

Describe Element/Component/Type of Inspection: *3rd Party Crawl Space and Rear Porch Footing Inspection

- All footings are properly sized and constructed per the structural plans.

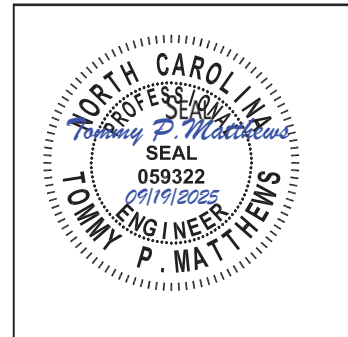
*(subgrade form/letter may also be required)

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.

Tommy P. Matthews, PE

Licensed Architect or Engineer



Inspection Department Disclaimer:

Upon the receipt of a signed written document as required under subsection (a) of Article 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.