

Date: 03/08/2024

To: David Sanchez
davidsanchez22@gmail.com
919-753-7117

Re: Soil Suitability for Foundation Installation

Location: 915 Lane Road, Dunn, NC
JDS Project No.: RDU2402487
Date of Inspection: 3/5/2024; 3/8/2024
Foundation Type: Stem Wall
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 (rear porch, 1 ft to 2 ft) may be back-filled with clean washed #57 stone.

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:
Maxwell C. Danskin, 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: SFD2311-0016
Project Name:	Owner:
Project Address: 915 Lane Road, Dunn, NC	Suite No:
Date Inspected: 3/8/24	Contractor Name: PMH Builders
Component Inspected: Footing	

Responsible Licensed NC Architect or NC Engineer

Name:	Reviewing Engineer: Maxwell C. Danskin, 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-SECTIONS R403.1 AND R506

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

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

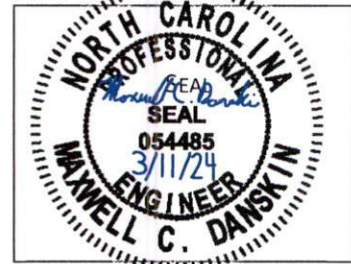
- All footings are properly sized and constructed per the structural plans.

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.

Reviewing Engineer: Maxwell C. Danskin, 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.