

Date: 06/09/2020

To: Daniel Hager
True Homes-RDU
250 Shakespeare Street
Morrisville, NC 27560
dhager@truehomesusa.com
919-669-7916

Re: **Soil Suitability for Foundation Installation**
Location: Lot 14 Norris Farm
206 Norris Farm Dr. (Angier, NC)
JDSfaulkner Project No.: RDU2005373
Date of Inspection: 05/26/20; 06/01/20;
06/03/20; 06/04/20
Foundation Type: Monolithic Slab

Observations:

Foundation excavation observation (sub-surface testing with respect to bearing capacity). The exposed soils have been observed and tested for adequate bearing capacity (Probe and DCP). Soft/very loose soils and groundwater was encountered to depths between 2 and 5 feet below footing subgrade elevations.

Recommendations:

The over-excavated areas (all footings, 2 ft to 5 ft) shall be back-filled with clean-washed #57 stone wrapped in geotextile fabric for a soil-aggregate separation. Based on our review and testing, the soil/stone backfill and conditions for the foundation are suitable for the minimum required bearing pressure of 2000 psf. This test was performed in accordance with accepted engineering practices and the bearing capacity meets the requirements set forth in the 2018 North Carolina Residential Building Code.

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 Grygoruk
JDSfaulkner



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. JDSfaulkner 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. JDSfaulkner shall not be held responsible for current or future retaining-wall or slope-related issues.

