

**Date:** 11/10/2020

**To:** **Brian Dushan**  
KB Home  
4506 S Miami Blvd  
Durham, NC 27703  
bdushan@KBhome.com  
919-602-2180

**Re:** **Soil Suitability for Foundation Installation**  
Location: Lot 11 Mason Pointe –  
48 Rawls Farm Lane, Fuquay-Varina, NC  
JDSfaulkner Project No.: RDU2009571  
Date of Inspection: 07/31/2020;  
08/07/2020; 10/2/2020; 10/14/2020  
Foundation Type: Rear Deck Footing

**Observations:**

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

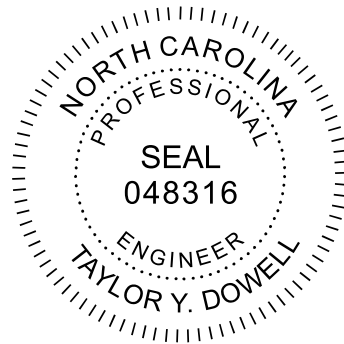
**Recommendations:**

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 for the rear deck footing only. Additionally, the over-excavated areas (rear deck, 3 ft to 4 ft) may be back-filled with clean-washed #57 stone.

Note: footing width was increased to 34" and made into a continuous footing, which is an adequate substitute for the deck pier footings.

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.

