JDS Consulting
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Date: **01/18/2022**

To: **Tim Collins**
Ryan Homes
1401 Sunday Drive
Raleigh, NC 27607
tcollins@nvrinc.com
919-410-1434

Re: **Soil Suitability for Foundation Installation Proximity Testing**
Location: Lot 130 Quail Glen – 148 Donatella Way (Angier, NC)
JDS Project No.: RDU2200372
Date of Inspection: 01/13/2022

Observations
The soils adjacent to existing footings were observed (sub-surface testing with respect to bearing capacity).

Recommendations
Based on our visual and mechanical inspection of the soil, the contractor may proceed with the basement wall installation, drain-tile installation and other construction as planned. The existing soil conditions are adequate for the minimum required 2000 psf.

Excessive moisture was not noted in the backfill materials and that in combination with the installation of the 4" perforated drain, fabric, stone, and joint sealant is our professional assessment that the hydrostatic pressures on the wall system will be minimal. The Superior Wall system meets the requirements for damp proofing, per ESR Report 1662, provided by ICC Evaluation Service Inc., which states, “Superior Walls Xi walls have been evaluated as an alternate method of providing foundation wall damp proofing. Therefore, no additional damp proofing is required.” For this site, additional waterproofing is not required, due to the minimal hydrostatic pressures on the wall system.

Additional Note
The soil bearing capacity tests were performed adjacent to the existing footings after the walls were placed.

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
Field Operations Manager

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 within 48 hours of the initial testing. 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.