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October 15, 2018

 Subject: Crawl Space and Rear Deck Footings Preparation Inspection  
Location: Lot 61 Cokesbury Park - 717 Cokesbury Park Lane (Fuquay-Varina, NC)  
Project No: BCH184948  
Review Date: 10/9/2018

We are pleased to provide the evaluation of the subject and location referenced above.

**Observations:**

Crawl space and rear deck footings preparation inspection.

- Strip Footings are sized (width, depth, and length) and installed per plan.
- Pier Footings are sized (width depth, and length) and located per plan.
- Lug Footings are sized (width, depth, and length) and located per plan.
- Reinforcement is installed per plan.
- Footings are clean and free of organic material.
- Soil bearing capacity was tested and approved by JDS. The field report is posted in the permit box.

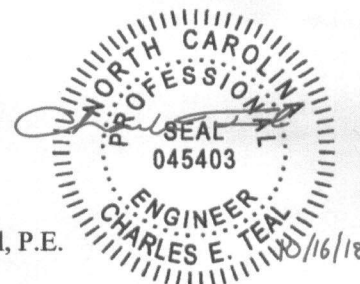
**Recommendations:**

Based on our on-site observations and review, the crawl space and rear deck footings have been adequately prepared in accordance with the Harnett County approved permit plans and details. The permit plans have an approval stamp dated 09-26-18. Additionally, the crawl space and rear deck footings are installed in accordance with 2012 NCRC section R403.1 and is ready for concrete placement.

If you have any questions or if I can be of further assistance to you on this project, please contact me at (919) 492-7036

Respectfully Submitted,  
Tiger Stellings  
JDS Consulting & Design, PLLC

Reviewing Engineer: Charles E. Teal, P.E.





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Issue Date: October 10, 2018  
Review Date: 10/9/2018  
Project No: BCH184947

Subject: Soil Suitability for Foundation Installation  
Location: Lot 61 Cokesbury Park - 717 Cokesbury Park Lane (Fuquay-Varina, NC)

**Observations:**

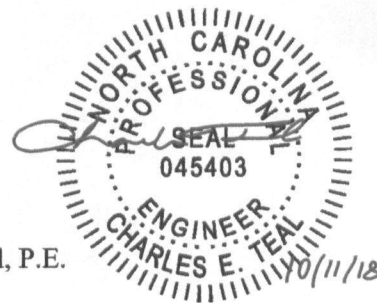
Foundation excavation observation (sub-surface testing with respect to bearing capacity).

**Recommendations:**

The exposed soils have been observed and tested for the crawl space and rear deck footings (Probe & DCP). The materials are free of significant amounts of water and 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, any over-excavated areas (multiple locations, 1ft to 3ft) shall be backfilled with full depth concrete.

If you have any questions or if I can be of further assistance to you on this project, please contact me at (919) 492-7036

Respectfully Submitted,  
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**General Notes:**

- Mechanical testing methods vary per site but always include probe rod testing across the entire excavation and augers (minimum 3 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 is not responsible for site conditions that divert water towards the foundation or that prevent drainage away from the foundation that can lead to soft soils and future settlement.
- This report is assessment of vertical bearing capacity only. Unless specifically noted otherwise retaining wall testing, nor slope stability analysis has been evaluated. JDS shall not be held responsible for current or future retaining wall or slope related issues.
- It is the contractors responsibility to ensure that all foundation areas are free of loose material, standing water, and any other deleterious materials prior to placement of stone or concrete.