

Mark E. Jones, PE  
Structural Engineering and Design

November 15, 2016

CB Pugh Enterprises  
PO Box 647  
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Ref: Site Observations and Analysis  
The Wexford Plan  
57 Wexford Dr.  
Fuquay-Varina, NC  
Project No: 16-221

To Whom it may concern;

The above referenced site was visited on November 8, 2016 to address the following structural concerns:

1. Evaluate soft and wet footing soils.

Based on observations and analysis of the original construction documents, the conclusions regarding the concerns are:

1. At the time of the inspection the footings had been excavated and observed to be wet. This is most likely due to a high groundwater table. In addition it was observed that there appeared to be soft organic soils at the surface extending approximately 24" deep. Below the organic soils there was firm sandy soils. The builder was instructed to excavate all footings at least 36" deep (approximately 12" into the firm sandy soils. The builder was instructed to then place 24" of stone in the excavations to provide the base for the concrete.

The site was observed later in the day and the builder had completed the excavation and began placing the stone. The footings are in compliance with the North Carolina Residential Code for One and Two Family Dwellings and were approved for concrete placement.

Thank you for this opportunity to assist you. If you have any questions or need any further assistance, please do not hesitate to call.

Respectfully,



Mark E. Jones, PE