

August 22, 2023

Chris Sherrod  
Signature Home Builders

Re: Footing Subgrade  
1850 Shady Grove Rd  
Spring Lake, North Carolina

Mr. Sherrod,

OTG Consulting, PLLC (OTG) was requested to visit the subject site above to observe the foundation prior to placement of concrete. OTG was onsite on August 22, 2023.

A hand auger was used to advance the boreholes to depths of 3 feet below the bottom of footing. Dynamic Cone Penetrometer (DCP) test were performed in the hand auger boreholes by a 1.5 inch diameter cone driven into the soil by a 15 pound ring weight with a free fall of 20 inches. The number of blows required to drive the cone into the soil a distance of 1.75 inches is termed the DCP Value and is indicated for each test on the hand auger.

A total of four (4) hand auger/DCP evaluation(s) were performed to a depth of approximately 3 feet below the current subgrade elevations. In between the DCP test locations, we evaluated the bearing soils using a 4-foot, steel-tipped fiberglass probe rod. It is to the opinion of OTG Consulting, PLLC that the materials in place at test locations within the footings, at the areas and depths tested, are to support the foundation and have a bearing capacity of 2,000 psf.

The dimensions were also verified and complied with the project plans. The footings were clear of debris and water. The footings meet the 2018 NC Residential Building Code and are ready to receive concrete.

We appreciate the opportunity to help you with this. Should you have any questions or need additional information, please contact me at your earliest convenience. We can be reached at 336-414-1179 or at [otgconsulting37@gmail.com](mailto:otgconsulting37@gmail.com).

Sincerely,

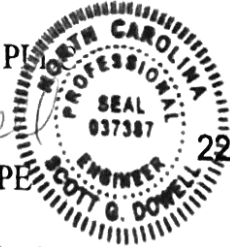
OTG Consulting, PLLC



Scott G. Dowell, PE

President

NC PE License No. 037387



22 Aug 2023