

February 1, 2024

Mr. Tony Wimberly
Wimberly Builders, LLC

Re: Footing Evaluation
1120 Nutgrass Road
Bunnlevel, North Carolina

Mr. Wimberly,

OTG Consulting, PLLC (OTG) was requested to visit the subject site above to observe the footing subgrade prior to placement of concrete. OTG was onsite on January 12, 2024.

A hand auger was used to advance the boreholes to different depths noted on the boring logs. 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.

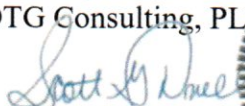
Hand auger/DCP evaluations were performed to a depth of approximately 4 feet below the current subgrade elevations. Water was observed within the footings along the left side. The results indicated that the footings on the left side of the house required undercutting, were undercut 8 inches and replaced with washed stone. It is to the opinion of OTG Consulting, PLLC that the materials in place at test locations within the proposed footings (as well as the undercut and replaced materials), at the areas and depths tested, are capable 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 project. 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 otgconsulting@protonmail.com.

Sincerely,

OTG Consulting, PLLC


Scott G. Dowell, PE
President

NC PE License No. 037387



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