

April 16, 2024

Mr. Tony Wimberly
Wimberly Builders, LLC

Re: Slab Verification
1120 Nutgrass Road
Bunnlevel, North Carolina

Mr. Wimberly,

OTG Consulting, PLLC (OTG) was requested to visit the subject site above to observe the slab subgrade prior to placement of concrete. OTG was onsite on April 15, 2024.

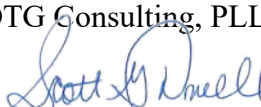
A hand auger was used to advance the boreholes to different depths noted on the boring logs. Dynamic Cone Penetrometer (DCP) test were performed in the hand auger boreholes by a 1.5 inch diameter cone driven into the soil by a 15 pound ring weight with a free fall of 20 inches. The number of blows required to drive the cone into the soil a distance of 1.75 inches is termed the DCP Value.

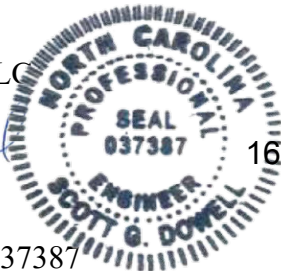
A total of three (3) hand auger/DCP evaluation(s) were performed to a depth of approximately 4 feet below the current subgrade elevations. It is to the opinion of OTG Consulting, PLLC that the materials in place at test locations within the proposed slab on grade, at the areas and depths tested, are to support the design slab-on-grade and have a bearing capacity of 2,000 psf.

In addition, OTG observed the placement of the vapor barrier. The vapor barrier was installed per the NC Residential Building Code (proper laps, thickness). The concrete slab may be placed at the contractor's earliest convenience.

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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