

March 12, 2025

Cameron Mackethan
Signature Home Builders

Re: Lot 20 – Front Porch Slab Subgrade
122 Reece Drive
Sanford, North Carolina

Mr. Mackethan,

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 March 7, 2025.

A hand auger was used to advance the boreholes to depths of 3 feet below the bottom of slab. 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 slab-on-grade, at the areas and depths tested, will support the designed slab-on-grade and have a bearing capacity of 2,000 psf.

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.

Sincerely,
OTG Consulting, PLLC



Scott G. Dowell, PE
President

NC PE License No. 037387



12 Mar 2025