

March 11, 2024

Chris Sherrod
Signature Home Builder

Re: Slab Subgrade
145 Hobby Road
Holly Springs, North Carolina

Mr. Sherrod,

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 March 11, 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 and is indicated for each test on the hand auger.

A total of three (3) hand auger/DCP evaluation(s) were performed to a depth of approximately 3 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 sufficient to support the design 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