



June 29, 2021

Mr. Jason Morrow
Capitol City Homes
Jason.morrow@capitolcity-homes.com

**Report of Lot 185 Footing Examination
Anderson Creek Crossing
Spring Lake, NC
Our Project Number 121-21-105280**

Gentlemen:

As requested, representatives of NV5 Engineering and Consultants were present on site on April 12, 2021 to test the shallow subsurface conditions of the footing excavations of lot 185 at the above referenced project. Based on our understanding of the planned construction, we have assumed an allowable soil bearing capacity of 2,000 pounds per square foot (psf).

Our testing consisted of visual observations, hand rod probing, and dynamic cone penetrometer (DCP) testing in accordance with ASTM STP-339 at the selected location. Four DCP tests were conducted at each corner of the proposed slab-on-grade to a maximum depth of 3 feet below the bearing surface. Our scope did not include mechanically drilled soil test borings to evaluate deeper subsurface soil conditions that could affect foundation support. Deeper borings can be provided, if desired. The results of the footing examinations indicated that the design bearing pressure of 2,000 psf was available at the locations and depths tested at the time of our investigation.

Exposure to the environment, especially rainfall, may weaken the soils at the foundation bearing surface, if they are exposed for extended periods of time prior to concrete placement. If the foundation bearing surface becomes softened due to exposure, the soft material should be removed prior to placement of concrete.

We appreciate the opportunity to provide these evaluations. If you have any questions concerning this information, please contact us.

Sincerely,

NV5 Engineers and Consultants, Inc. (F-1333)

Addison N. Roe
Project Manager

Christopher S. Pilz P.E.
Principal Geotechnical Engineer

