PIEDMONT GEOTECHNICAL

September 21, 2021

Clayton Homes
1921 Keller Andrews Rd.
Sanford, NC 27330

Attention: Mr. Stephen Wheeler

Reference: Subgrade Evaluation for Footing Excavations for Proposed 32 ft. by 76 ft. Mobile Home
371 Bumpy Ln., Sanford, NC
Project No. 021mh44, Harnett County Permit No. BRES2103-0099
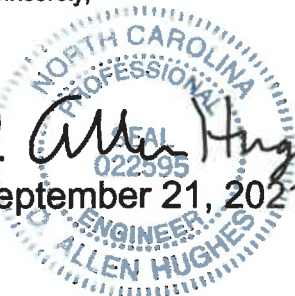
Dear Mr. Wheeler:

Thank you for using Piedmont Geotechnical. As requested, the site was visited on August 9, 2021 and September 16, 2021 to evaluate the subgrade conditions and the footing excavations for the above referenced mobile home.

Upon arrival, the building pad for the proposed 32 ft. by 76 ft. home had been constructed and the building corners marked. The building pad was built by placing compacted structural fill up to about 2.5 ft. deep. The fill and underlying residual soil were tested with a Static Cone Penetrometer (SCP) and found to be of adequate bearing capacity. The subgrade was tested at (4) locations by hand-augering through the fill into the underlying residual soil and the building are was observed to be properly stripped of topsoil and was tested on an approximate 10 ft. grid with the SCP test just prior to fill placement. The fill consists of quarry screenings and a sample of the soil from the same borrow lit has been tested at a certified testing laboratory and was found to have a maximum dry density of 124.9 pcf and an optimum moisture content of 8.8%.

Based on testing, observation and implementation of the recommendations, it is my professional finding that the subgrade prepared for the footing excavations at 371 Bumpy Ln., Sanford, NC (Harnett County Permit No. BRES2103-0099) is adequate to support the proposed loads (2000 psf.) of the mobile home, the excavations have been properly prepared for placing concrete, and are compliance with the NC Regulations for Manufactured Homes, 2004. Thank you for using Piedmont Geotechnical. If you should have any questions pertaining to this report, please call.

Sincerely,

September 21, 2021

D. Allen Hughes, P.E., President
Piedmont Geotechnical, Inc. PA