PIEDMONT
GEOTECHNICAL

August 11, 2020

Oakwood Homes
3005 Gillespie St.
Fayetteville, NC 28306

Attention: Mr. Chris Milligan

Reference: Footing Subgrade Evaluation for Proposed 76 ft. by 30 ft. Mobile Home
279 Gardner St., Spring Lake, NC 28390
Project No.020mh77, Harnette County Permit No. BRES 2005-0069

Dear Mr. Milligan:

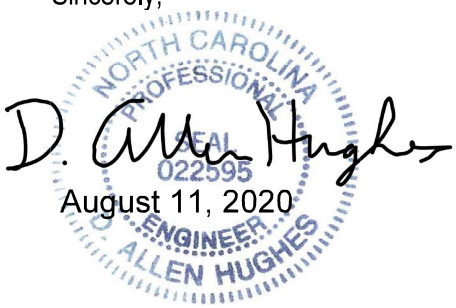
Thank you for using Piedmont Geotechnical. The site was visited August 8, 2020 to evaluate the subsurface conditions for the footing excavations for the proposed 76 ft. by 30 ft. mobile home.

Upon arrival, the pier footing excavations for the proposed chassis beam piers and the footing excavations for the perimeter curtain walls had been excavated. The pier footing excavations were dug 30 in. diameter by about 12 in. deep. The footing excavation for the non-bearing perimeter curtain wall was dug about 12 in. wide by about . All footing excavation bottoms were tested with a Static Cone Penetrometer (SCP) test to depths ranging from about 12 to 48 in. below grade. The test results indicated a bearing capacity of 2,000 psf. at a depth of about 18 in. below grade for all areas of the home.

It was recommended verbally on August 10, 2020 and is recommended now to excavate all pier footings 30 in. diameter to a depth of at least 18 in. below existing grade and to excavate the perimeter curtain wall footings at least 12 in. wide to a depth of 18 in. below grade. Any loose soil that may fall or wash in to the footing excavations should be removed just prior to placing concrete. Washed 67 or 57 stone, or concrete may be used to backfill the undercut portions of the footing excavations.

Based on testing, observation, and implementation of the recommendations, it is my professional finding that the subgrade prepared at 279 Gardner St., Spring Lake, NC 28390 (Harnette County Permit No. BRES 2005-0069) will be adequate to support the proposed loads (2,000 psf max) of the mobile home once the recommendations have been properly implemented. Thank you for using Piedmont Geotechnical. If you have any questions concerning this report or need further assistance, please call.

Sincerely,



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