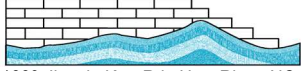


**PIEDMONT
GEOTECHNICAL**



1669 Jimmie Kerr Rd., Haw River, NC 27258
336-516-8634, NC Firm No. C-1634

October 5, 2022

Adams Homes
149 US Hwy 70 West
Garner, NC 27529

Attention: Matt Galvin 919-903-0735, matt.galvin@adamshomes.com, raleighadmin@adamshomes.com,
raleighpermits@adamshomes.com, bjohnson@adamshomes.com

Engineering - Subgrade Testing at Footing Excavations, Undercut Recommendation
Lot 15 Cameron Woods Subdivision
58 Red Pine Court, Sanford, NC 27332
Project No. 22PG-0923-A, Harnett County Permit No. SFD-2108-0083

Dear Mr. Galvin,

Thank you for using Piedmont Geotechnical. The site was visited on September 23, 2022, to test the subgrade/fill at the footing excavations for the proposed home.

The subgrade was tested at the footing excavation bottoms with a Dynamic Cone Penetrometer (DCP) test in general accordance with (ASTM) special publication 399. The rest of the excavation bottoms were probed with a steel probe rod for comparison to the test locations.

Testing at the excavation bottoms and to about 2 ft. below the bottoms indicated that the tan silty sand/clay was of adequate bearing at about 2 feet below the surrounding grade except at the left and rear walls where stump holes were to be undercut adequate bearing conditions at about 4 ft. below grade at the rear and about 3 feet below grade along the left wall. The undercut areas may be filled with 67 washed stone wrapped in filter fabric up to the planned bottom of footing elevation or concrete. Some perched water was trapped along the right rear corner and the bearing materials were firm when probed. The perched water should be pumped or drained just prior to concrete placement and any loose soil that may wash or fall into the excavation should be removed just prior to concrete placement.

Based on testing and observation, the subgrade will be adequate to support the proposed loads (2,000 psf) of the home once the recommendations have been properly implemented.

Sincerely,


October 5, 2022


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