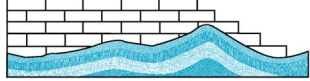


**PIEDMONT
GEOTECHNICAL**



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

August 29, 2022

Adams Homes
149 US Hwy 70 West
Garner, NC

Attention: Matt Galvin, 919-903-0735, matt.galvin@adamshomes.com, Tracy Hardman, 919-857-6458, tracy.hardman@adamshomes.com, raleighadmin@adamshomes.com, raleighpermits@adamshomes.com, bjohnson@adamshomes.com

Engineering - Field Observation, Subgrade Testing at Footing Excavations, Undercut Recommendation
Lot 4, Cameron Woods Subdivision
100 Western Pine Way, Sanford, NC
Project No. 22PG-0818-B, Harnett County Permit No. SFD-2201-0

Dear Mr. Galvin,

Thank you for using Piedmont Geotechnical. The site was visited on August 18, 2022 to test the subgrade for the exposed 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 footing excavations were about 2 ft. deep below grade and were probed with a steel probe rod for comparison to the test locations.

Testing indicated that the tan silty sand/clayey sand was of adequate bearing at about 3 feet below the surrounding grade, which is about 1 foot below the existing footing excavation bottoms. The excavation bottoms were found to have perched water conditions throughout the home. It is recommended to undercut the footing excavations to adequate bearing soil about 12 inches the existing footing bottoms. The undercut portion of the footing excavations should be backfilled with 67 washed stone wrapped in filter fabric up to the planned bottom of footing elevation. The stone should be drained by a gravity drain to daylight with a permanent drain.

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

Sincerely,


August 29, 2022


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