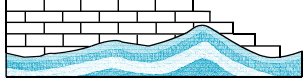


PIEDMONT GEOTECHNICAL



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

February 28, 2024

Clayton Homes
1921 Keller Andrews Rd.
Sanford, NC

Attention: Mr. Stephen Wheeler

Reference: Evaluation of Foundation and Anchoring System, and Non-Bearing Curtain Wall
340 Pine Oak, Cameron, NC 28326
Project No. 024mh15, Harnett County Permit No. RES2307-0021

Dear Mr. Wheeler:

Thank you for using Piedmont Geotechnical to conduct the evaluation for your project. As requested, the site was visited on February 16, 2024 and February 23, 2024 to evaluate the structural stability of the foundation and anchoring system and the non-bearing perimeter curtain wall and its footing.

Upon arrival, the approximate 27 ft. by 68 ft mobile home had been placed on (9) rows of masonry piers (4 piers per row) on ABS footings. The home is anchored with (2) lateral bracing systems. One lateral bracing system is located at the second pier from the right end at the back of the home and the other is located at the second pier from the left end at the front of the home. The pier heights range from about 13 in. to 48 in.

The maximum height of the non-bearing curtain wall is about 60 in. The wall is constructed of 4-in. masonry block backed by 8 in. by 16 in. pilasters spaced at 6 ft. max. along the sections of the wall taller than 40 in. The curtain wall along approximately the left 2/3 of the back wall, the left wall and approximately the left 1/2 of the front wall of the home is taller than 40 in. The non-bearing curtain wall is supported by an 8 in. by 4 in. concrete block footing. The non-bearing pilasters are supported by a 4-in. mortar bed footing. The subgrade beneath the curtain wall footings was tested with a Static Cone Penetrometer test and found to be adequate to support 1,500 psf. The tops of the pilasters were braced horizontally with wedges placed between the top of each pilaster and the bottom of the home.

Based on testing, measuring, observation, and evaluation, the foundation and anchoring system (including piers, anchors and bracing systems) for the mobile and the non-bearing masonry curtain wall for the home at 340 Pine Oak, Cameron, NC 28326, (Harnett County Permit No. RES2307-0021) are structurally sound and adequate to support the proposed loads of the home. Thank you for using Piedmont Geotechnical for your evaluation. If you should have any questions pertaining to this report, please call.

Sincerely,


February 28, 2024


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