



Wise Engineering
3915 Old Fairground Rd.
Angier, NC 27501
(919)894-2203

June 27, 2024

Tim Goodwin

Subject: 26 Village Way, Lillington, NC 27546

Mr. Goodwin,

At your request, a representative from Wise Engineering (WE) reviewed the existing footing excavations for the future covered patio located at 26 Village Way, Lillington, NC 27546. Specifically, we reviewed footing excavations for the stem wall of the future covered patio to determine if they are structurally adequate as excavated to support the anticipated loading conditions. Additionally, we reviewed the plans to determine if an 8" wide masonry stem wall centered on the concrete footings will be structurally adequate to support the anticipated loading conditions.

Based on our observations and analysis, the dimensions of the footing excavations were constructed in general compliance of the 2018 North Carolina Residential Building Code. Additionally, the soil within the footing excavations is structurally adequate to support the anticipated loading conditions (2000PSF bearing capacity). Furthermore, an 8" wide masonry stem wall (in lieu of the plan specified monolithic slab) is structurally adequate to support the anticipated loading conditions of the covered patio.

If you need additional information or have other questions, please let us know.

Sincerely,

Taylor Poulos

Randy K. Wise, PE

