

SEVEN LAKES ENGINEERING SERVICES, INC.

204 E. MAIN STREET, ABERDEEN, NC 28315
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August 3, 2023

Jay Norris
71 Knight Rd.
Broadway, NC 27505

Subject: Structural Assessment
71 Knight Rd.
Broadway, NC 27505

Dear Mr. Norris,

Seven Lakes Engineering Services, Inc. (SLES) performed an inspection of the subject home on August 3, 2023. The purpose of this inspection was to assess the footings of the foundation walls and CMU piers.

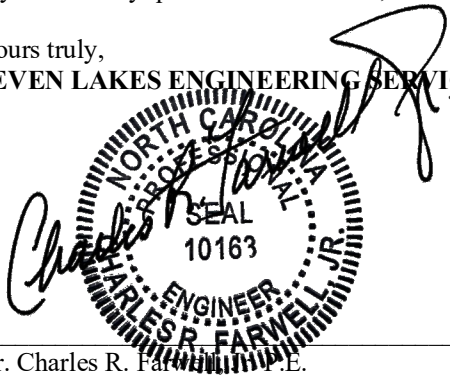
Summary and Conclusions of Inspection Observations:

Upon inspection of the foundation walls of the new construction home located at the subject address, SLES noted that the footings for (2) CMU piers had an inadequate amount of projection away from the face of the CMU pier. In order to adequately distribute the loads in which the CMU piers are subjected to, there must be an adequate amount of surface area at the base of the CMU piers.

Upon further assessment of the CMU piers, SLES recommends that the footings be extended 18" in order to properly distribute the loads of the CMU piers. SLES recommends that (3) #4 bars be used to extend the footings 18". (3) 5/8" diameter holes are to be drilled into the side of the pier footings in order to install the (3) #4 bars. SLES recommends that an epoxy adhesive be used to properly attach the (3) #4 bars to the existing footings so that the footings can be extended. Upon completion of this repair, SLES will certify that the repair was done in a satisfactory manner.

If you have any questions or concerns, do not hesitate to call Shawn at our office.

Yours truly,
SEVEN LAKES ENGINEERING SERVICES, INC



Dr. Charles R. Farwell, P.E.
President

