

GEORGE M. ROSE, P.E.

P.O. Box 53441
Fayetteville, NC 28305
910-977-5822

July 18, 2019

Dean Taylor
Harnett County Inspections Department
108 E. Front Street
Lillington, NC 28546

Re: Seth Thompson residence
6262 NC 217
Linden, NC 28356

Dear Mr. Taylor,

I have personally inspected the premises at the above referenced address and noted the recently poured concrete footings in the future pool house area of the residence. These footings were excavated down to natural ground and are approximately 24 inches wide by 8 inches thick. My understanding from the contractor is that 4,000 psi concrete was used and no rebar was placed in the footing with the exception of two dowels at the ends of the pour where other footings will connect. These dimensions and concrete specifications exceed the minimum requirements of footings for a 2-story residence as noted in section R403 of the North Carolina Residential Building Code. I also inspected the adjacent excavated footings and used a probe rod to assess the soil bearing capacity at the bottom of the footing area. All of the exposed footing bottoms tested satisfactorily for bearing with the exception of approximately 16 linear feet in the rear section of the front porch. I instructed the contractor to remove a minimum of 12 inches of this soil, replace with suitable material and mechanically tamp to insure proper compaction. The foundation piers have not been excavated so no assessment of those was made.

The soil in the area is sandy and generally consistent throughout the foundation area. Based on my observations, it appears that the footing bottoms in the poured areas are consistent with the exposed footing bottoms in the remainder of the foundation area. It is my professional opinion that the previously poured footings exceed minimum code requirements and that the excavated footing areas are acceptable for concrete placement except as noted above.

Please contact me if you have questions or need additional information.

Sincerely,



George M. Rose
Licensed Professional Engineer No. 11315

