

25 September 2024

Carolina Construction of Fayetteville
3117 Cope Street
Fayetteville, North Carolina 28306

Reference: Footing Evaluation
4955 Ray Road
Spring Lake, North Carolina

Dear Ronnie Smith:

OTG Consulting, PLLC (OTG) was requested to evaluate the previously placed footing for the residence at the above referenced property. OTG understands that during the layout and placement of the foundation, concrete projection was not achieved along an approximately 5 foot long stretch of footing. With the stem wall construction, concerns were raised on the eccentric loading to the footing.

For repair, OTG recommends that the stretch of footing with limited projection be excavated an additional 12 inches wide and 8 inches thick in front of the footing. No 4 reinforcing steel should be doweled and epoxied into the existing footing at 12 inches on center, a minimum of 4 inches into the footing, extend out 4 inches into the new footing, and placed at the mid-height of the footing.


Based on review of the onsite repairs, the work performed meets the recommendation and will support the proposed loads from the residence.

Closing

OTG has prepared this report of findings, evaluations, and recommendations to guide the client in response to our onsite observations. If any of this information is inaccurate, either due to our interpretation of the documents provided or site or design changes that may occur later, OTG should be contacted immediately in order that we can review the report in light of the changes and provide additional or alternate recommendations as may be required.

Respectfully,

OTG Consulting, PLLC



Scott G. Dowell, P.E.
President

NC Registration No. 037387



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