



JS CONSULTING & DESIGN
ENGINEERING AND CONSULTING
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September 17, 2019

Foundation Solutions, dba Ram Jack
4122 Bennett Memorial Rd, Suite 304
Durham, NC 27705
Tel: (919) 309-9727 / Fax: (919) 313-0102

Re: Engineering Recommendation
David Summerlin, 814 Denning Rd, Angier, NC
Project Number: 1901-1239

To Whom It May Concern:

JS Consulting & Design, PLLC (JSCD) has reviewed and analyzed the information provided by Foundation Solutions, dba Ram Jack.

The structure is a one story wood framed residence with brick veneer supported on a CMU crawl space foundation. For the purpose of this document all directions listed are from the perspective of an observer facing the structure from Denning Rd.

~~Based on a visual evaluation the structure is exhibiting signs of settlement typically seen with excessive differential settlement~~
within the in-situ soils supporting the structure. The left wall of the structure has cracks in the brick veneer located approximately 6' and 12' from the left rear corner. The rear wall of the structure has a crack in the brick veneer located approximately 9' from the left rear corner. Elevation readings taken on the structure indicate the area between the above referenced cracks slopes to the left rear corner -1".

It is recommended to stabilize the foundation in the form of helical piers. Please see attached pages for layout and additional details.

The resulting hybrid foundation may result in the formation of additional cracks from the differential movement of the two foundation types.

The structure was assumed to have a 16" wide x 10" thick concrete footing with (2) #4 rebar.

JSCD's scope of services was limited to a visual evaluation of the structure and did not include subsurface exploration of exposing concealed elements of the structure. The scope of services did not include exposing any concealed elements of the structure. Please contact JSCD immediately if conditions are different than those indicated or encountered during future observation or implementation of the recommended repairs.

Please contact us if you have any further questions.

Sincerely,

James Sutton, P.E.

