

MDL Engineering Services

213 Linton Banks
Cary, NC 27513

(919) 999-8153
(919) 524-4319

Date: July 12, 2024

To: Lee Johnson
Red Door Homes
Lee@reddoorhomesnc.com
(919) 999-7554

Re: 3rd Party Footing Inspection
726 Roberts Road
Sanford, NC 27332
Job Number 109-23-150
Permit No. SFD2404-0110
MDL Project No. SD20314

Dear Mr. Johnson,

MDL Engineering Services was contacted on June 28, 2024 to perform a site survey and to perform a 3rd party footing inspection for the above referenced project prior to pouring concrete.

Observations

July 1, 2024



The sealed drawings for the project were available on-site and reviewed prior to inspection.

The depth and width of perimeter footings and location and size of pier footings met all the minimum requirements of the site drawings.

All perimeter footing soils were visually evaluated, probed with a 1/2" rod and/or use of a DCP technique to correlate surface soil conditions with bearing capacity. All areas were found to be

capable of bearing 2000 psf min, except the rear left corner of the home and one small 18" long area on the front porch as highlighted in the attached field report, marked as I and II. The crew was instructed to remove soft soils as highlighted in the field report and replace with a self compacting material or concrete. This was completed as shown below.



The soils and footing conditions meet the requirements of the site drawings and the 2018 edition of the North Carolina State Residential Building Code and are good to pour.

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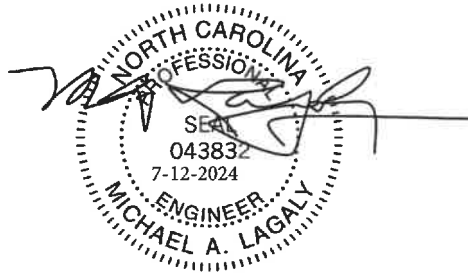
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These services have been performed with the usual and customary standard of care consistent with other professional engineers performing similar work under similar circumstances. This report is the work product of an engineering investigation. It is confidential in nature and will not be released to a third party without your expressed consent. The use of this letter is limited to the express purpose for which it is intended and may not be reused, copied or distributed for any other purpose.

I appreciate the opportunity to provide these services for this phase of your project and look forward to working with you for any future needs. Please do not hesitate to contact me if you have any questions or concerns.

Regards,
MDL Engineering Services



Michael A. Lagaly, P.E.
Engineering Manager

Alteration of this seal without the express written consent of the sealing engineer is a violation of the provisions set forth in the North Carolina Engineering and Land Survey Act (G.S. 89C) and may result in legal action by the North Carolina Board for Engineers and Land Surveyors.