

MARSHALL ENGINEERING SERVICES, PLLC

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Gregory Gay

September 9, 2020

Construction Solutions
211 Claremont St.
Fayetteville, NC

Subject: 163 Chresthaven

I visited your construction site at the above address to review the columns footings and to advise on the septic system.

The support columns for the deck are resting on concrete bricks at the bottom of the foundation excavation. The support columns for the guard rails are in their respective holes. These columns encased in concrete will be structurally sound, and I recommend the placement of concrete around these columns.

The rim joist is in place, but three columns to rim joist connections need additional fasteners. Each connection must have two ½" bolts. Do not install bolts or structural screws in the space where rim joist butt together. The floor joists are the correct dimensions and material. I recommend you begin installing floor sheathing for the area under roof and decking boards on the open site.

The drawing you provided shows the location of the septic system. The location of the deck construction does not impact the septic system.

Please call my office if you have any questions or need additional engineering support.

Sincerely,



E. Randolph Marshall, PE

