



Venture Engineering, Inc.

Professional Engineers Specializing in Civil Engineering & Land Development

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February 15, 2022

Re: **Serenity Subdivision – Crossing Walls**
40 Serenity Walk Parkway
Fuquay Varina, NC
Permit # BCOM2103-0009
Segmental Retaining Wall Certification

To Whom It May Concern:

Pursuant to the approved bearing capacity for the footings and compaction testing in the reinforced zones for the above referenced locations, per the onsite geotechnical engineer (NV5), and that the walls were constructed per Segmental Retaining Wall Specifications and Requirements and per the profile designs prepared by Venture Engineering, PA, the wall installations, thru inspections, have met all of the criteria and will function as designed.

The wall design in which six (6) Segmental block retaining walls, with a near vertical batter (1/8" setback per 8" height) were installed. One foot of #57 washed stone was installed behind the retaining walls to prevent hydrostatic pressure build-up behind the walls. A combination of Import structural and onsite fill was used for backfilling the retaining walls in the reinforced zone.

Thanks, and let me know if you have any questions.

VENTURE ENGINEERING, P.A.

Mark J. Magrath, PE
Principal

