



Venture Engineering, Inc.

*Professional Engineers Specializing in Civil Engineering & Land Development
312 W. Millbrook Road, Suite 237
Raleigh, NC 27609
Phone: 919-602-1894 Fax: 919-676-0301*

September 12, 2023

Re: Serenity Subdivision Phases 1D,2C & 2E – 2G
Piney Grove Rawls Rd.
Harnett County, NC
Permit #BCOM2301-0001
Segmental Retaining Wall Certification

To Whom It May Concern:

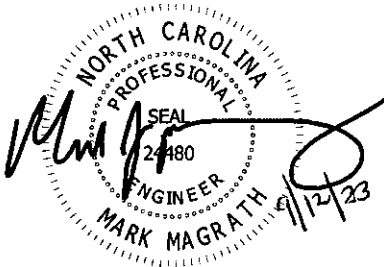
Pursuant to the approved bearing capacity for the footings and compaction testing in the reinforced zones for the above referenced locations, per the onsite geotechnical engineer, Timmons Group and that the walls were constructed per Segmental Retaining Wall Specifications and Requirements and per the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

The wall design in which five (5) Ridge Rock 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



REGISTERED DESIGN PROFESSIONAL INSPECTION FORM

RECORD OF THE INSPECTION OF A FOOTING COMPONENT OR ELEMENT BY A LICENSED ARCHITECT OR ENGINEER

Project Information:

Residential Single Family Project: Y <input checked="" type="radio"/> N	Commercial Project: <input checked="" type="radio"/> Y N
Code Enforcement Project No:	Permit No: BCDM2301-0001
Project Name: Serenity Phase 1D, 2C & 2E Thru 2G	Owner: Greenfield Serenity Investo, LLC.
Project Address: 0 Piney Grove Rawls Road	Suite No:
Date Inspected: Footings: 04/05/22	Contractor Name: Sitescapes. LLC.

06/10/22

Responsible Licensed NC Architect or NC Engineer

(Architects or Engineers must be licensed in the State of North Carolina)

Name:	Mark J. Magrath
Firm Name:	Venture Engineering, P.A.
Phone Numbers:	Office: (919) 676-0303 Mobile: (919) 602-1894
Email Address:	mmagrath@venture-e.com
Mailing Address:	312 West Millbrook Road Suite #237 - Raleigh, NC

27609

APPLICABLE CODE: 2018 NC Building Code

2012 NCBC = 2018 NC Building Code; 2018 NCRC = 2018 NC Residential Code

Describe Element/Component: * Footings

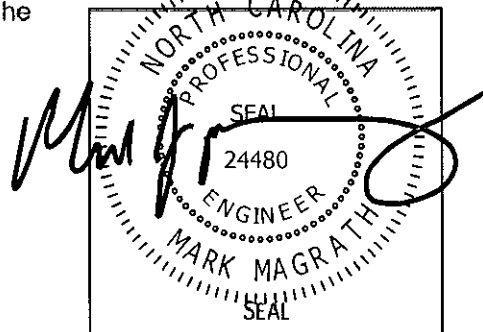
*(subgrade form may also be required)

Attestation/Signature:

By signing below, I certify that the component and/or element of the building as identified on this form has been inspected by me or someone under my direct supervision per subsection (b2) of NC G.S.153A-352 and is in compliance with the approved plans & specifications for the project. I assume full responsibility and this inspection is in compliance with all of the requirements of the above referenced code.

Mark J. Magrath, P.E.

Licensed Architect or Engineer



Inspection Department disclaimer:

Upon the receipt of a signed written document as required under subsection (a) of Article 160A-413.5., _____ Inspection Department shall be discharged and released from any liabilities, duties and responsibilities imposed by this article or in common law from any claim arising out of or attributed to the component or element in the construction of the building for which the signed written document was submitted. Be aware that this inspection will be noted in all inspection records including the Certificate of Occupancy or Certificate of Compliance. Please note that compliance with local ordinances is required for a certificate of occupancy, and this department reserves the right to require an as-built survey to verify zoning set-back requirements.