



CIVIL AND STRUCTURAL ENGINEERING SERVICES, PLLC

SAMIR W. BAHHO, P.E.

Date: August 14, 2024

John Fronk, Red Rock Builders
1303 Olde Walker Mill Road,
Apex, North Carolina 27502

Reference: Foundation excavation certification.
Permit # SFD 2406-0067.
484 Falling Water Rd., Spring Lake, NC 28390

Woody

I Visited the site of the project, 484 Falling Water Rd. The purpose was to inspect the foundation excavation. Foundation excavation was thoroughly probed and inspected. The following is my recommendation:

1. Excavation of continuous footers tranches are stable and ready to pour. There is one corner at the front to the right that was deeply excavated. **The deeply excavated area shall be filled with stone to the level of the bottom of concrete footer**
2. **All the pier foundation excavation:** It is recommended for the excavation of piers to be filled with a minimum of 6" thick stone. In the holes that were dug deep, fill with stone to the bottom of concrete pier footer

Therefore, When the excavation is repaired as recommended in items 1 & 2 above, the excavation will be acceptable, firm and meet the load bearing requirements of NCBC, Residential 2018.

My seal and signature are affixed below for foundation excavation certification.

For any further questions please call me or email me. My telephone number is (919) 621-0628.

My email address is ba.casespllc@gmail.com

Sincerely,

Samir W. Bahho, PE (License # 16941)

Business (License P-0537)

August 14, 2024

