ENGINEERING & ENVIRONMENTAL SCIENCE COMPANY

3008 ANDERSON DRIVE, SUITE 102 RALEIGH, NC 27609

June 6, 2024

(919) 781-7798

Mr. Jon Woosley Mabus Farm and General Contracting

RE:

Density Testing

Residential Building and Garage 1621 Matthews Mill Pond Road

Angier, NC

Dear Mr. Woosley:

The following discusses the subgrade observations and density test results at the building pad for the above referenced site.

On June 5, 2024, Engineering & Environmental Science Company (E²S) conducted five (5) density tests at the building pad. Figure 1, Attachment A shows the locations of the density tests and Attachment B provides the density test data. Soil density tests ranged from 95.4% to 97.6% of Standard Proctor Maximum Dry Density (ASTM-D-698) at the locations and depths tested. The test results exceed the project requirement of 95% of Standard Proctor.

We appreciate serving you on this project. Please contact us if you have any questions.

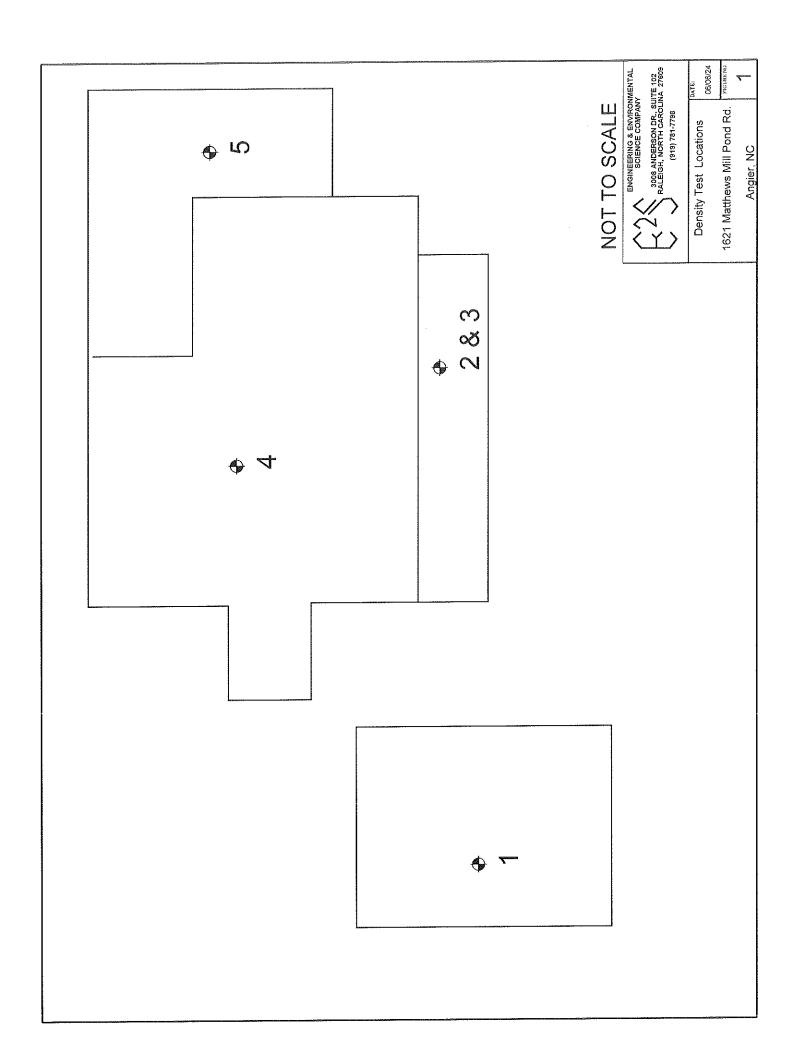
Sincerely,

T. Patrick Shillington, P.E.

President

Attachment A: Density Test Locations Attachment B: Density Test Results SEAL 15472 06 16 PM

ATTACHMENT A: Density Test Locations



Attachment B: Density Tests Results

Summary of Density Test Results Residential Building and Garage 1621 Matthews Mill Pond Road Angier, NC

TEST NO.	DATE SAMPLED	LOCATION	⁽³⁾ SAMPLE DEPTH., FT.	(1)MAX LAB DRY DEN., PCF	(2)IN- PLACE WET DEN., PCF	(2)WATER CONTENT	⁽²⁾ IN- PLACE DRY DEN.,PCF	PERCENT COMPACTION
1	06/05/24	See Drawing	0.5	120.9	120.6	4.7	115.2	95.4
2	06/05/24	See Drawing	0.5	120.9	120.3	3.0	116.8	96.6
3	06/05/24	See Drawing	1.75	120.9	121.2	4.1	116.4	96.3
4	06/05/24	See Drawing	0.5	120.9	122.4	4.8	116.8	96.6
5	06/05/24	See Drawing	1.0	111.3	119.4	9.9	108.6	97.6

- (1) Standard Proctor (ASTM D-698)
- (2) Tests were conducted by the Push Tube Method (ASTM D-2937)
- (3) Depth below finished soil subgrade level.

