E²S
ENGINEERING & ENVIRONMENTAL SCIENCE COMPANY
3008 ANDERSON DRIVE, SUITE 102
RALEIGH, NC 27609
(919) 781-7798

February 28, 2025

Mr. Josh Maddox
Maddox Concrete
120 Maddox Farm Rd.
Sanford, NC 27332

RE: Fill Density Testing
Shed
291 Bumpy Lane
Sanford, NC

Dear Mr. Maddox:

On February 26, 2025, a technical representative of Engineering & Environmental Science Company (E^2S) conducted two (2) density tests on the shed building pad at the above referenced site.

Attachment A shows the locations of the density tests and Attachment B provides the density test data. Soil density tests ranged from 95.7% to 96.2% of Standard Proctor Maximum Dry Density (ASTM-D-698) at the locations and depths tested. The fill density test results meet the 95% compaction requirements.

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

Sincerely,

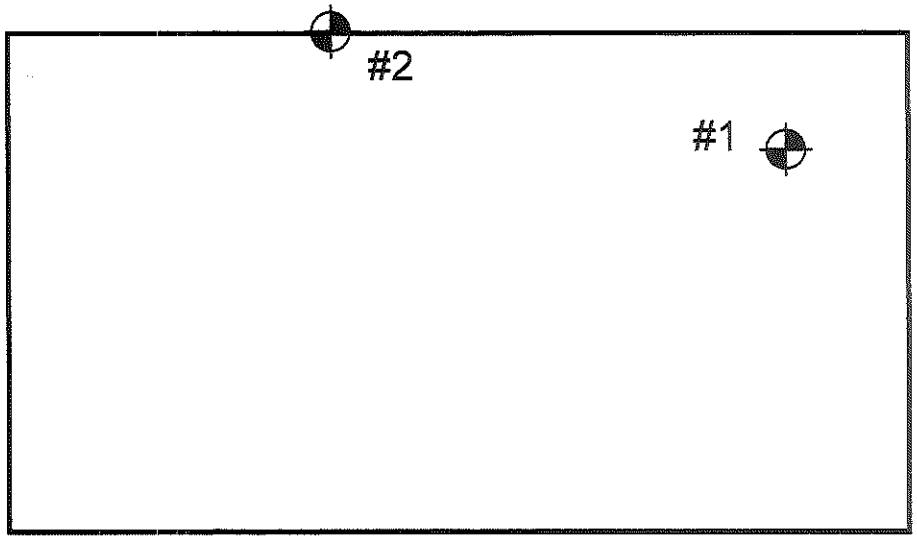
T. Patrick Shillington

T. Patrick Shillington, P.E.
President

NORTH CAROLINA PROFESSIONAL SEAL 15472 ENGINEER T. PATRICK SHILLINGTON
03/04/25

Attachment A: Density Test Locations
Attachment B: Density Test Results

ATTACHMENT A: Density Test Locations



Bumpy Lane

Not To Scale

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Density Test Locations
Shed
291 Bumpy Ln.
Sanford, NC

DATE: 02/28/25

FIGURE NO. 1

Attachment B: Density Tests Results

Summary of Density Test Results
Shed Building Pad
291 Bumpy Lane
Sanford, NC

TEST NO.	DATE SAMPLED	LOCATION	SAMPLE ELEV., 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	02/26/25	See Drawing	Floor Subgrade	130.7	132.3	5.8	125.0	95.7
2	02/26/25	See Drawing	Footing Subgrade	130.7	135.9	8.1	125.7	96.2

(1) Standard Proctor (ASTM D-698)
(2) Tests were conducted by the Push Tube Method (ASTM D-2937)

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MOISTURE DENSITY RELATIONSHIP

Job No. _____ Date 02/27/25

Project Name and Location Shed, 291 Bumpy Ln.
Sanford, NC

Source of Material Off-Site

Description of Material Light gray silty gravely SAND (SM)

Material Designation _____

Test Method ASTM D-698

TEST RESULTS

Maximum Dry Density 130.7 PCF

Optimum Water Content 9.3 %