WAKE COUNTY DEPARTMENT OF ENVIRONMENTAL SERVICES WELL PERMIT
PERMIT VOID IF NOT IN COMPLIANCE WITH ZONING REGULATIONS AND/OR IF SITE IS ALTERED OR INTENDED USE CHANGED

PRIVATE WELL CERTIFICATE OF COMPLETION

PERMIT #: GW-118281-2024 APPLICATION DATE: 02/05/2024

SITE INFORMATION:

PIN: 1767154653

SITE ADDRESS: 3621 BAILEY MEADOWS DR
WAKE FOREST, 27587

SUBDIVISION: BAILEY MEADOWS SUB PH 1 LOT: 5 ACRES: 1

TOWNSHIP: 19 - Wake Forest JURISDICTION: R-30 ZONING:

APPLICANT: Michael W Romine PHONE NUMBER: (919) 815-9120

OWNER INFORMATION:

PROPOSED USE: EXISTING USE:

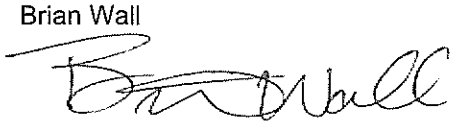
CONDITIONS:

CONDITION NAME: -
COMMENTS:
SCOPE: **SATISFIED:**

This Certificate of Completion serves as certification that the well has been inspected and found to comply with applicable state and county regulations, that all conditions for siting and construction of the well as prescribed by the construction authorization have been met, and that a water sample from the well is in compliance with applicable water quality standards in effect at the time of construction. The testing required under the construction authorization does not include all possible contaminants. Continued monitoring of private wells and testing for contaminants other than those required for the certificate of completion or certificate of occupancy is the responsibility of the homeowner. Neither Wake County nor the Environmental Health Specialist warrants the quantity or quality of water produced by this well.

WELL TYPE: Private drinking water well
TOTAL WELL DEPTH: 185
CASING DEPTH: 22
CASING TYPE: Galvanized Steel
YIELD: 20
DRILLER CERTIFICATION NUMBER:

ISSUED BY: Brian Wall

SIGNATURE: 

DATE: 02/26/2024

Central Carolina Soil Consulting, PLLC
1900 South Main Street, Suite 110
Wake Forest, 27588
919-569-6704

February 1, 2024
Project # 3409-Lot 5

Midtown Builders
Warren Romine
8601 Six Forks Road
Suite 400
Raleigh, NC 27615

RE: Preliminary soil/site evaluation for Authorized On-Site Wastewater Evaluator Permit (AOWE) at lot 5 in Bailey Meadows SD, Wake County.

Dear Mr. Romine:

Central Carolina Soil Consulting, PLLC conducted a preliminary soil evaluation on the aforementioned lot for a subsurface wastewater system in January 2024 for an AOWE submittal. The soil/site evaluation was performed using hand auger borings and during moist soil conditions based on the criteria found in the State Subsurface Rules, 15A NCAC 18E "Wastewater Treatment and Dispersal Systems" along with local Wake County regulations.

The lot is proposed for a 4-bedroom house. A septic system field layout was completed based on the house location surveyed in the field. The proposed system is a gravity to serial (Lines 1-5) totaling 430 feet of accepted product (EZ-Flow). The repair field is a gravity to serial, PPBPS system (lines 6-10 at 291').

Based on the findings during the field evaluation, the area on the attached map has at least 39 inches of suitable soils for a modified conventional septic system for the primary field and 48" of suitable soil or saprolite for the repair field. The assigned LTAR for the site is 0.3 gal/day/ft2 with a maximum depth of 24 inches for the initial & 28" for the repair system installation of the drain lines due to slope correction.

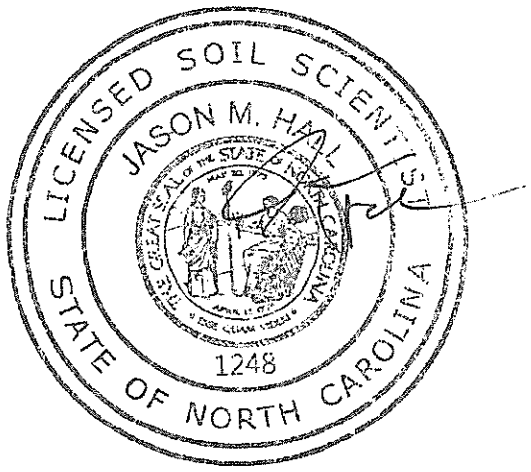
- Gravity to Serial System, Accepted Product (430' for Primary Field) (see septic layout)
- 480 gal/day flow rate (4-bedroom)
- 1200 gallon septic tank with risers
- 24" maximum trench depth for primary field only
- 0.3 LTAR
- No grading/filling septic areas
- Keep power, internet and gas lines >5' from septic components/field.
- Keep all water lines greater than 10' from septic components/field.
- No cuts >2' within 15' of septic areas
- Keep tanks and drain lines 10' from property lines
- Keep supply line >5' property lines
- Install in dry soil conditions (No rain events within 72 hours)
- Maintain natural contours when clearing the lot
- Need notification of system install 48 hours beforehand

This letter discusses the location of provisionally suitable soils for subsurface wastewater disposal systems and does not guarantee the future function of any wastewater system on sites. Central Carolina Soil Consulting, PLLC is a professional consulting firm specializing in soil delineations and design for on-site wastewater disposal systems.

If you have any questions regarding the findings on the attached map or in this report, please feel free contact me at any time. Thank you for allowing Central Carolina Soil Consulting to perform this site evaluation for you.

Sincerely,

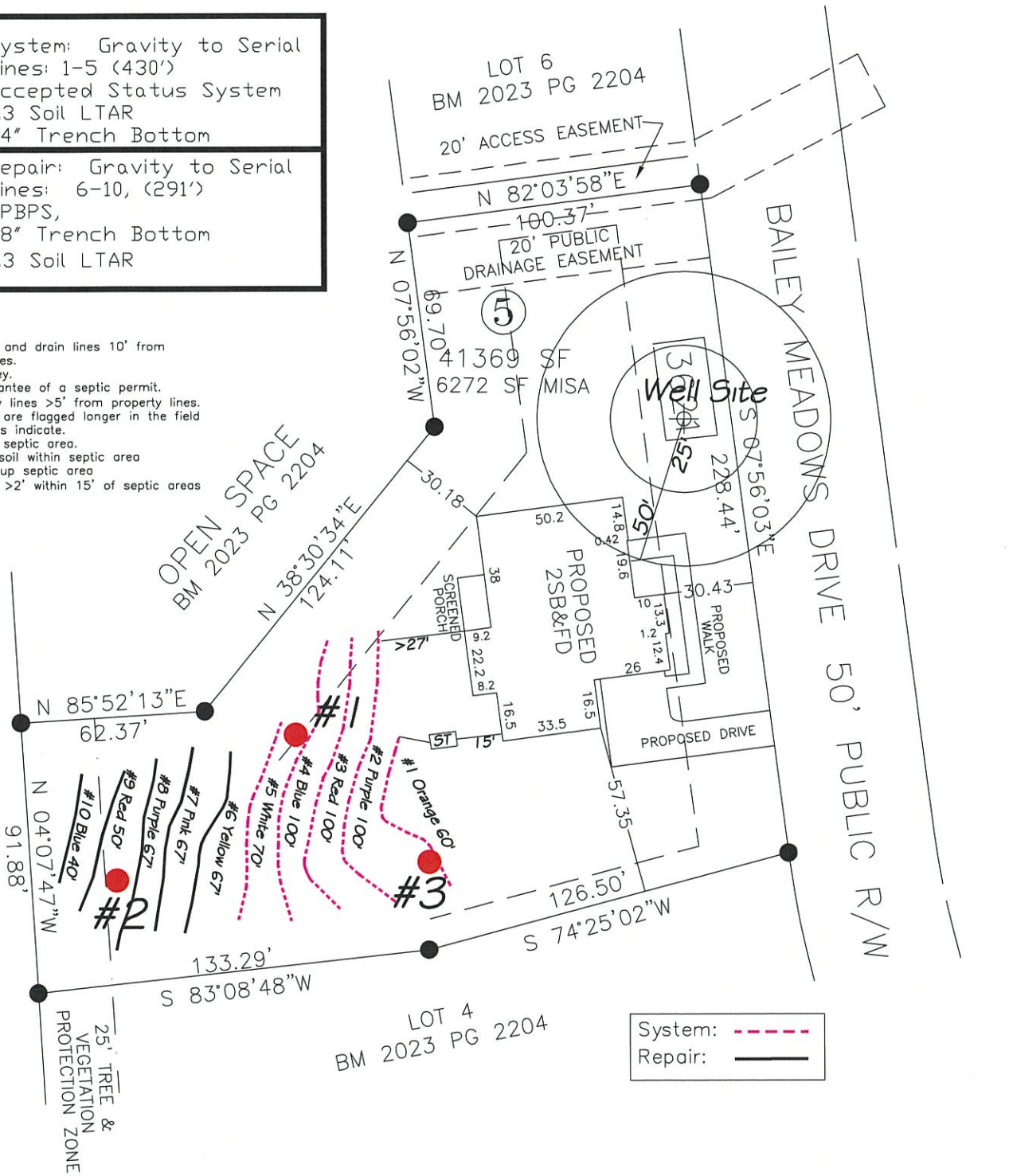
Jason Hall
NC Licensed Soil Scientist #1248
AOWE # 10004



System: Gravity to Serial
Lines: 1-5 (430')
Accepted Status System
0.3 Soil LTAR
24" Trench Bottom

Repair: Gravity to Serial
Lines: 6-10, (291')
PPBPS,
28" Trench Bottom
0.3 Soil LTAR

*Keep tanks and drain lines 10' from property lines.
*Not a survey.
*Not a guarantee of a septic permit.
*Keep supply lines >5' from property lines.
*Some lines are flagged longer in the field than lengths indicate.
*No grading septic area.
*No adding soil within septic area
*No rutting-up septic area
*No cuts of >2' within 15' of septic areas



GRAPHIC SCALE
1" = 50'
50 0 50 100

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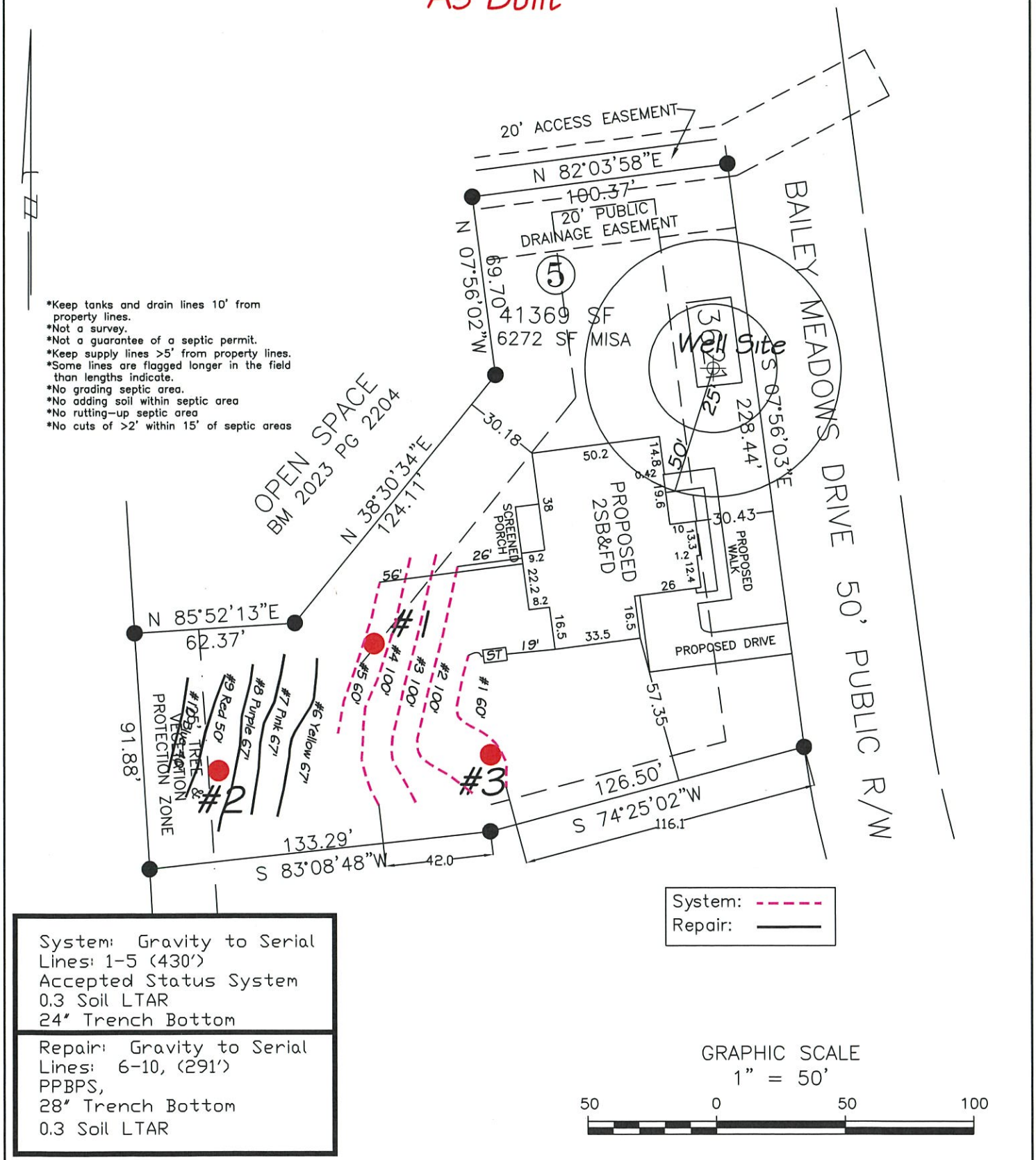
Wake Forest, North Carolina 27587
Phone (919)569-6704 Fax (919)569-6703

4-Bedroom Septic Layout
Lot 5, Baileys Landing SD
Wake County, North Carolina

Job#:	3409-lot 5
Drawn By:	JH
Date:	2/1/24
Revision:	
Revision:	

As Built



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4-Bedroom Septic Layout
Lot 5, Baileys Landing SD
Wake County, North Carolina

Job#:	3409-lot 5
Drawn By:	JH
Date:	2/1/24
Revision:	
Revision:	