



**Adams Soil Consulting, PLLC**  
**1676 Mitchell Road**  
**Angier, NC 27501**  
**919-414-6761**  
**alexadams@bcsoil.com**

---

August 24, 2024  
Project #2003

*“This AOWE/PE submittal is pursuant to and meets the requirements of G.S. 130A-336.2*

RE: 826 Roberts Road – Sanford, NC - 3-bedroom Single Family Residence

To whom it may concern:

Adams Soil Consulting (ASC) conducted a preliminary soil evaluation on the above referenced parcel to determine the areas of soils which are suitable for subsurface wastewater disposal systems (conventional & LPP). The soil/site evaluation was performed using hand auger borings during moist soil conditions based on the criteria found in the State Subsurface Rules, 15ANCAC 18A .1900 “Laws and Rules for Sewage Treatment and Disposal Systems”. From this evaluation, ASC is providing the attached septic system design for a new single-family home sized for a 360 gallon/day septic system.

The suitable soils found on the subject property were somewhat variable in the initial and repair areas. The area designated for the initial/primary septic system (see attached septic plan) was found to contain soils with greater than 24 inches in depth before a restrictive horizon was encountered.

The initial and primary septic fields for the new home were sized based on a flow rate of 360 gallons/day and utilizing Accepted Status system for the initial and repair system. Any unauthorized site disturbance, filling, soil removal, or layout changes may result in the permit being revoked. Septic Area must be protected from any construction traffic.

The septic installer contractor shall install the primary system on contour, see attached site plan for the primary system and repair. No underground utilities, water lines, or sprinkler systems shall be placed into the initial or repair septic areas. Installation must meet all state and local county regulations for septic system installation. The trenches must be installed in the same location as the site plan. If flags are missing at the time of installation, they must be remarked by Adams Soil Consulting staff. Contact Alex Adams at 919-414-6761. A preconstruction conference is required with the septic installer prior to construction activities at least 14 days in advance of construction activities.

This report does not guarantee the future function of any waste water disposal system installed.

If you have any questions regarding the findings on the attached site plan or in this report, please feel free to contact me anytime.

Sincerely,



Alex Adams  
NC Licensed Soil Scientist #1247  
AOWE Certification: 10021E





# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

1/17/2024

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

<b>PRODUCER</b> Wade Associates, LLC 250 Pollock St.  New Bern NC 28560	<b>CONTACT NAME:</b> Angela Sensenig <b>PHONE (A/C, No, Ext):</b> (252) 631-5269 <b>E-MAIL ADDRESS:</b> asensenig@wadeict.com	<b>FAX (A/C, No):</b> (252) 649-2443
	<b>INSURER(S) AFFORDING COVERAGE</b>	
<b>INSURED</b> Alex Adams, DBA: Adams Soil Consulting 1676 Mitchell Rd.  Angier NC 27501	<b>INSURER A:</b> Markel Insurance Company	
	<b>INSURER B:</b>	
	<b>INSURER C:</b>	
	<b>INSURER D:</b>	
	<b>INSURER E:</b>	
	<b>INSURER F:</b>	

**COVERAGES**

CERTIFICATE NUMBER: 24-25

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
	<b>COMMERCIAL GENERAL LIABILITY</b> <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR  GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:						EACH OCCURRENCE	\$
							DAMAGE TO RENTED PREMISES (Ea occurrence)	\$
							MED EXP (Any one person)	\$
							PERSONAL & ADV INJURY	\$
							GENERAL AGGREGATE	\$
							PRODUCTS - COMP/OP AGG	\$
								\$
	<b>AUTOMOBILE LIABILITY</b> <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS						COMBINED SINGLE LIMIT (Ea accident)	\$
							BODILY INJURY (Per person)	\$
							BODILY INJURY (Per accident)	\$
							PROPERTY DAMAGE (Per accident)	\$
								\$
	<b>UMBRELLA LIAB</b> <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS-MADE DED <input type="checkbox"/> RETENTION \$						EACH OCCURRENCE	\$
							AGGREGATE	\$
								\$
	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A				PER STATUTE	OTH-ER
							E.L. EACH ACCIDENT	\$
							E.L. DISEASE - EA EMPLOYEE	\$
							E.L. DISEASE - POLICY LIMIT	\$
A	<b>Errors &amp; Omissions</b>			MEO1118-06	1/31/2024	1/31/2025	General Aggregate	\$1,000,000
							Each Occurrence	\$1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

**CERTIFICATE HOLDER****CANCELLATION**

\*FOR INFORMATIONAL PURPOSES ONLY\*

 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX  
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX  
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

N Whitsett/RACHEL

© 1988-2014 ACORD CORPORATION. All rights reserved.

ACORD 25 (2014/01)

The ACORD name and logo are registered marks of ACORD

INS025 (201401)



SBM Homes, LLC  
 3-Bedroom Septic Design  
 826 Roberts Road - Lillington, NC  
 Harnett County PIN: 9586-39-8619

\*Not a Survey  
 Sketched from a plot plan supplied by owner

Profile Description #1  
 See Soil/Site Evaluation  
 Data Form

Profile Description #2  
 See Soil/Site Evaluation  
 Data Form

Profile Description #3  
 See Soil/Site Evaluation  
 Data Form

1

2

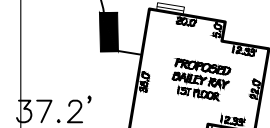
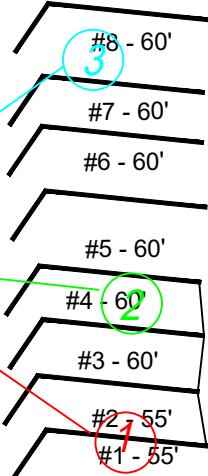
3

N 32°35'17" E  
 APPROXIMATE CL OF CREEK

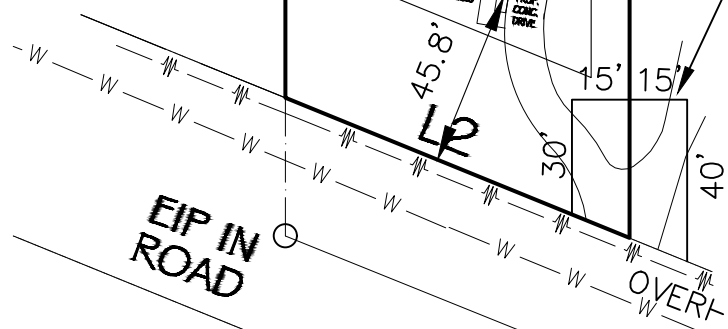
2.22 AC.

1062.40'

1092.32'



30' SHARED DRIVE



Roberts Road N 35°27'4"

GRAPHIC SCALE  
 1" = 50'



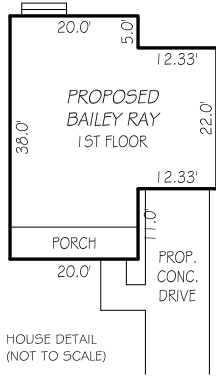
Adams  
 Soil Consulting  
 919-414-6761  
 Job #2003  
 8-15-24

I, MICHAEL P. GRIFFIN, certify that under my direction and supervision this map was drawn from an actual field survey; that the error of closure of the survey as calculated by coordinates is 1: 10,000+; that the area shown hereon was calculated by coordinates.

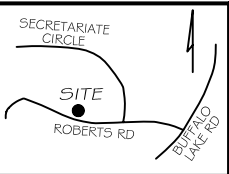
Witness my hand and seal this day of MONTH 2024.

TIRRELL MORRILL DB 4124, PG 922 MAP NO. 2000-161A (82)  
 LONQUITA PHELPS DB 3720, PG 650 MAP NO. 2000-161A (81)  
 RICHARD HEPBURN DB 3626, PG 424 MAP NO. 2000-161A (80)  
 JAMES JAVENS DB 3500, PG 828 MAP NO. 2000-161A (79)  
 TRIANGLE REAL ESTATE INVESTMENTS & ASSOCIATES LLC DB 3180, PG 173 MAP NO. 2000-161A (78)  
 MICHIGAN DB MAP

SECRETARIATE CIRCLE  
 60' PRIVATE EASEMENT



SETBACKS  
 FRONT 35'  
 REAR 25'  
 SIDE 10'

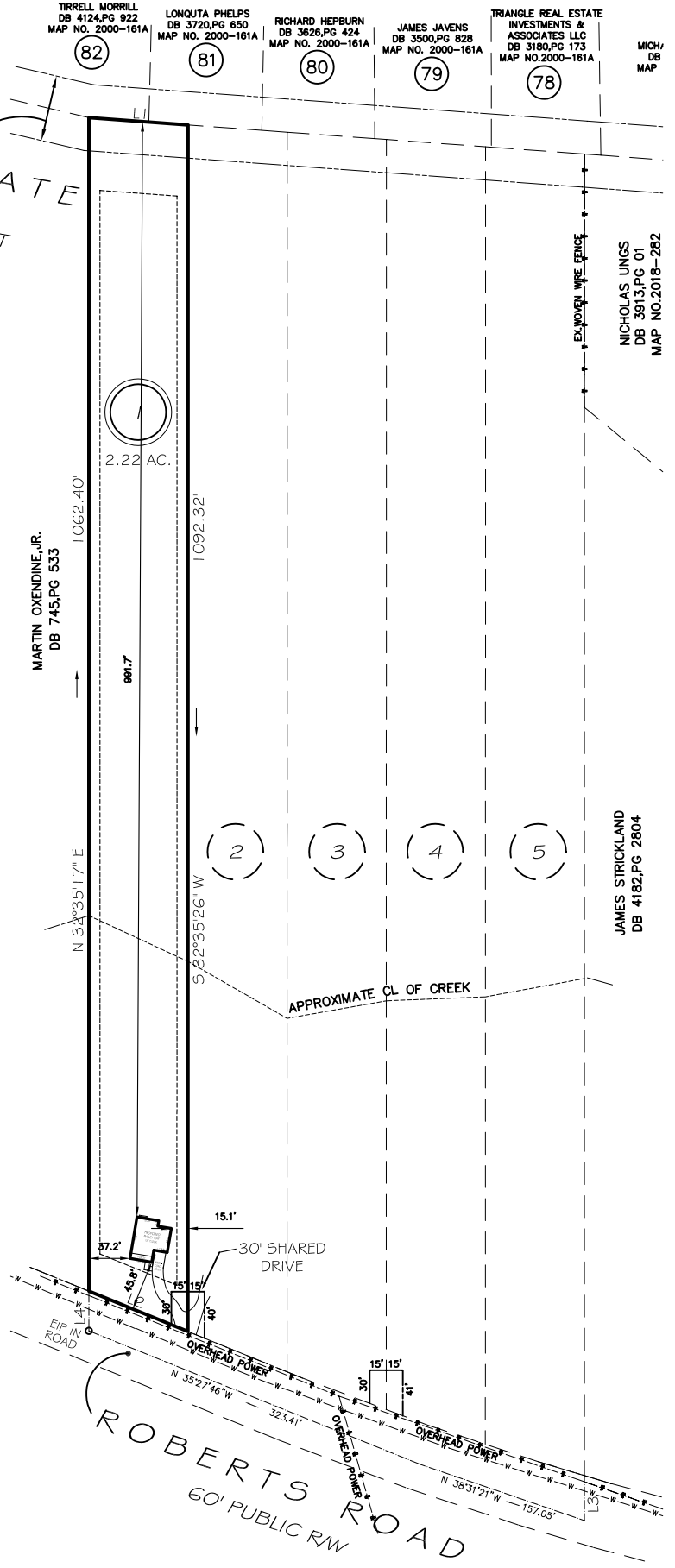


L1 S 53°12'33"E 90.00'  
 L2 N 35°15'54"W 96.86'  
 L3 S 32°35'48"W 40.70'  
 L4 S 32°35'17"W 35.93'

LEGEND			
EIP	EXISTING IRON PIPE	FES	FLARED END SECTION
ISS	IRON STAKE SET	WM	WATER METER
R/W	RIGHT OF WAY	CO	CLEAN OUT
N/F	NOW OR FORMERLY	FH	FIRE HYDRANT
EIS	EXISTING IRON STAKE	CB	CATCH BASIN

**PRELIMINARY**  
 NOT FOR RECORDATION,  
 SALES OR CONVEYANCE

REVISION: ROTATED HOUSE 8/2/24



**GLS** GRIFFIN LAND SURVEYING, INC.  
 P.O. BOX 148  
 FUQUAY-VARINA, NC 27526  
 (919) - 567 - 1963

PLOT PLAN FOR  
**SBM HOMES LLC**  
 ROBERT'S ROAD MINOR  
 LOT 1  
 ROBERTS ROAD  
 SANFORD, N.C.  
 HARNETT COUNTY BARBECUE TOWNSHIP

DRAWN BY <b>GLS</b>	DATE <b>7/31/24</b>
CHECKED BY <b>MPG</b>	SCALE <b>1" = 150'</b>

**SOIL/SITE EVALUATION**  
**for ON-SITE WASTEWATER SYSTEM**  
 (Complete all fields in full)

OWNER: SBM Homes, LLC

APPLICATION DATE:

ADDRESS:

DATE EVALUATED: 8-15-24

PROPOSED FACILITY: Single Family, 3-bedroom PROPOSED DESIGN FLOW (.1949): 360gpd

PROPERTY SIZE: ~2.2 Acres

LOCATION OF SITE: 826 Roberts Road – Lillington, NC

WATER SUPPLY: Private Well

EVALUATION METHOD: Auger Boring

TYPE OF WASTEWATER: Sewage

P R O F I L E  #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941)		OTHER PROFILE FACTORS				PROFILE CLASS & LTAR
			.1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	.1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPT H	.1956 SAPRO CLASS	.1944 RESTR HORIZ	
1	Linear Slope/6%	0-40	GR/LS	FR/NS/NP/SEXP	32"	N/A	N/A	N/A	P.S/.8
2	Linear Slope/6%	0-40	GR/SL	FR/NS/NP/SEXP	27"	N/A	N/A	N/A	P.S/.8
3	Linear Slope/6%	0-24	GR/SL	FR/NS/NP/SEXP	32"	N/A	N/A	N/A	P.S/.4
		24-36	SBK/SCL	FI/SEXP/S/P					
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM	OTHER FACTORS (.1946): _____ SITE CLASSIFICATION (.1948): U/PS  EVALUATED BY: A. Adams OTHER(S) PRESENT:
Available Space (.1945)	S	S	
System Type(s)	Type III (b)	Type III (b)	
Site LTAR	0.4	0.4	