

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

August 20, 2024
Project #1215

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

RE: Tobacco Road -Lot #34, 52 Looping Ct. - Angier, NC - 4-bedroom Single Family Residence (PIN# 0693-15-9745)

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 18E. From this evaluation, ASC is providing the attached septic system design for a new single-family home sized for a 480 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.

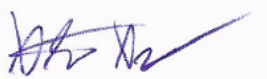
The initial and primary septic fields for the new home were sized based on a flow rate of 480 gallons/day and utilizing Accepted Status system for the initial and a PPBPS repair system. Any unauthorized site disturbance, filling, soil removal, or layout changes may result in the permit being revoked.

The septic installer contractor shall install the repair (if needed) 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 trench 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.

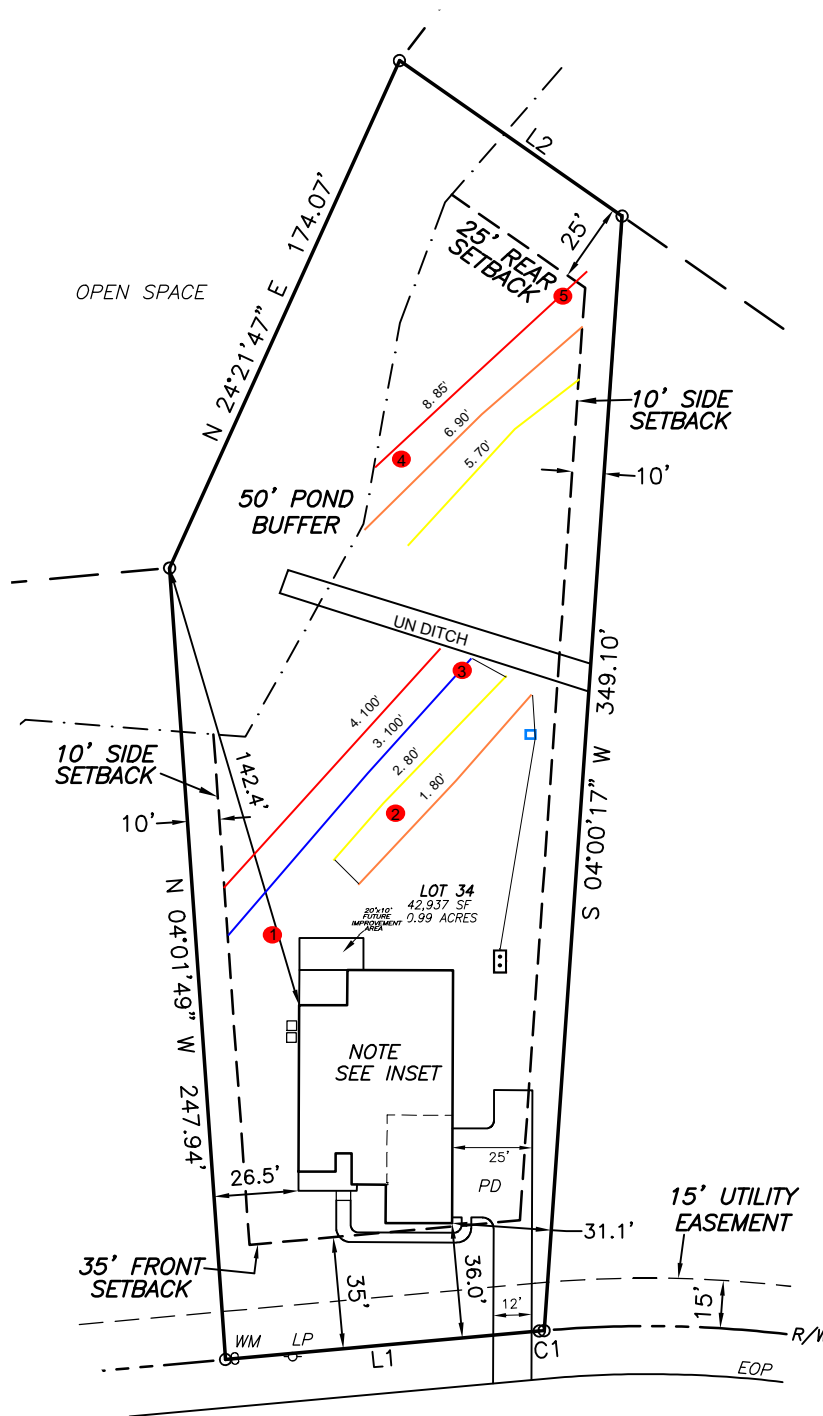
Sincerely,



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



Tobacco Road Lot 34 4 BR Harnett County



*House footprint to be field staked by surveyor and system verified prior to any construction

**Septic area must not be altered by construction activities.

***No cuts of 2' or greater within 15' of septic area

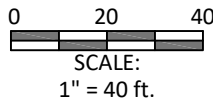
**** Recommend protective barrier around septic field during construction.

*If plumbing is not sufficient a pump tank will be required to septic field

INITIAL: 14"
Trench Bottom
Lines 1-4 (360')
Accepted Status
Gravity Serial
REPAIR:
Lines 5-7 (245')
PPBPS Pressure
Manifold

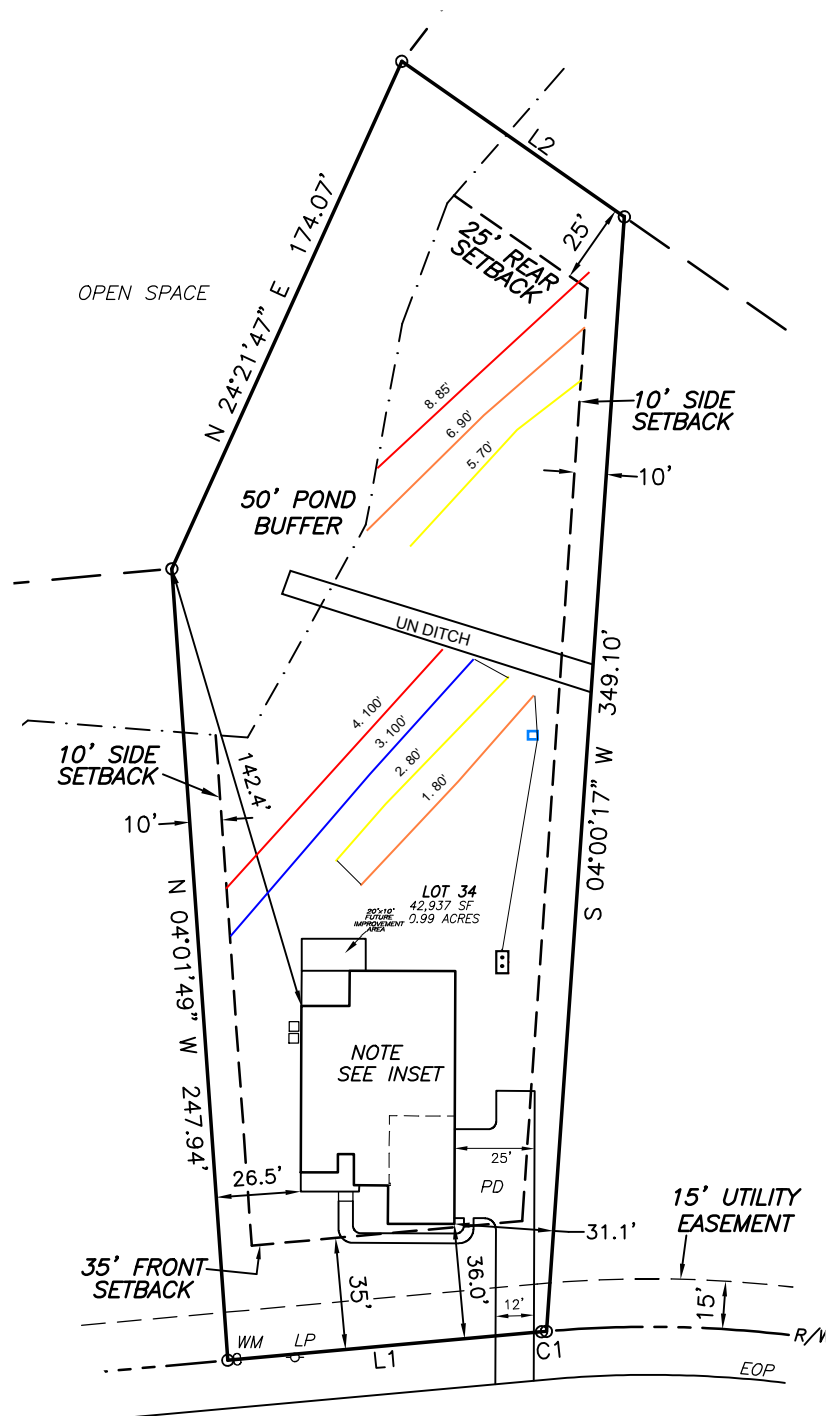
LOOPING COURT
(50' PUBLIC R/W &
UTILITY EASEMENT)

*6-8" of Soil cover required over initial drain field



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Tobacco Road Lot 34 4 BR Harnett County

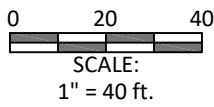


- *House footprint to be field staked by surveyor and system verified prior to any construction
- **Septic area must not be altered by construction activities.
- ***No cuts of 2' or greater within 15' of septic area
- **** Recommend protective barrier around septic field during construction.
- *If plumbing is not sufficient a pump tank will be required to septic field

INITIAL:
Lines 1-4 (360')
Accepted Status
Gravity Serial
TB: 14"

REPAIR:
Lines 5-7 (245')
PPBPS
Pressure Manifold
TB: 20"

LOOPING COURT
(50' PUBLIC R/W & UTILITY EASEMENT)



Adams
Soil Consulting
919-414-6761

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

OWNER: Drees Homes LLC

ADDRESS:

PROPOSED FACILITY: Single Family, 4-bedroom PROPOSED DESIGN FLOW (.1949): 480 gpd

LOCATION OF SITE: 211 Grandview., Angier, NC, 27501

WATER SUPPLY: Public Water

EVALUATION METHOD: Auger Boring

APPLICATION DATE:

DATE EVALUATED: 08/19/2024

PROPERTY SIZE: .99 Acres

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 DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	
1	Linear Slope/5%	0-25	GR/SL	VFR,NS,NP,SEXP	N.O	37"	N.O	N.O	P.S .35
		25-37	SBK/SCL	FR,SS,SP,SEXP					
2	Linear Slope/5%	0-8	GR/SL	VFR,NS,NP,SEXP	N.O	30"	N.O	N.O	U/P.S/.35
		8-30	SBK/SCL	FR,SS,SP,SEXP					
		30	M B/C	UN					
3	Linear Slope/5%	0-5	GR/SL	VFR,NS,NP,SEXP	N.O	26"	N.O	N.O	U/P.S/.35
		5-26	SBK/SCL	FR,SS,SP,SEXP					
		26	M B/C	UN					
4	Linear Slope/5%	0-21	GR/SL	VFR,NS,NP,SEXP	N.O	36"	N.O	N.O	P.S .4
		21-36	SBK/SCL	FR,SS,SP,SEXP					

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 G	Type III B	
Site LTAR	0.35	0.35	

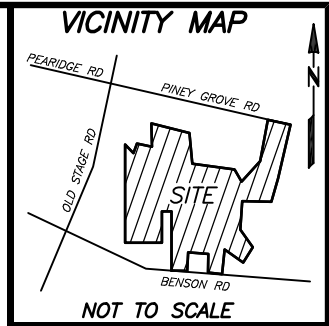
COMMENTS:
 Updated February 2014

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 DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	
5	Linear Slope/5%	0-16	GR/SL	VFR,NS,NP,SEXP	N.O	32"	N.O	N.O	P.S .35
		16-32	SBK/SCL	FR,SS,SP,SEXP					

CURVE TABLE						
CURVE	DELTA	RADIUS	ARC	CHORD	TANGENT	CHORD BRG
C1	0°14'06"	375.00'	1.54'	1.54'	0.77'	S 84°55'46" W

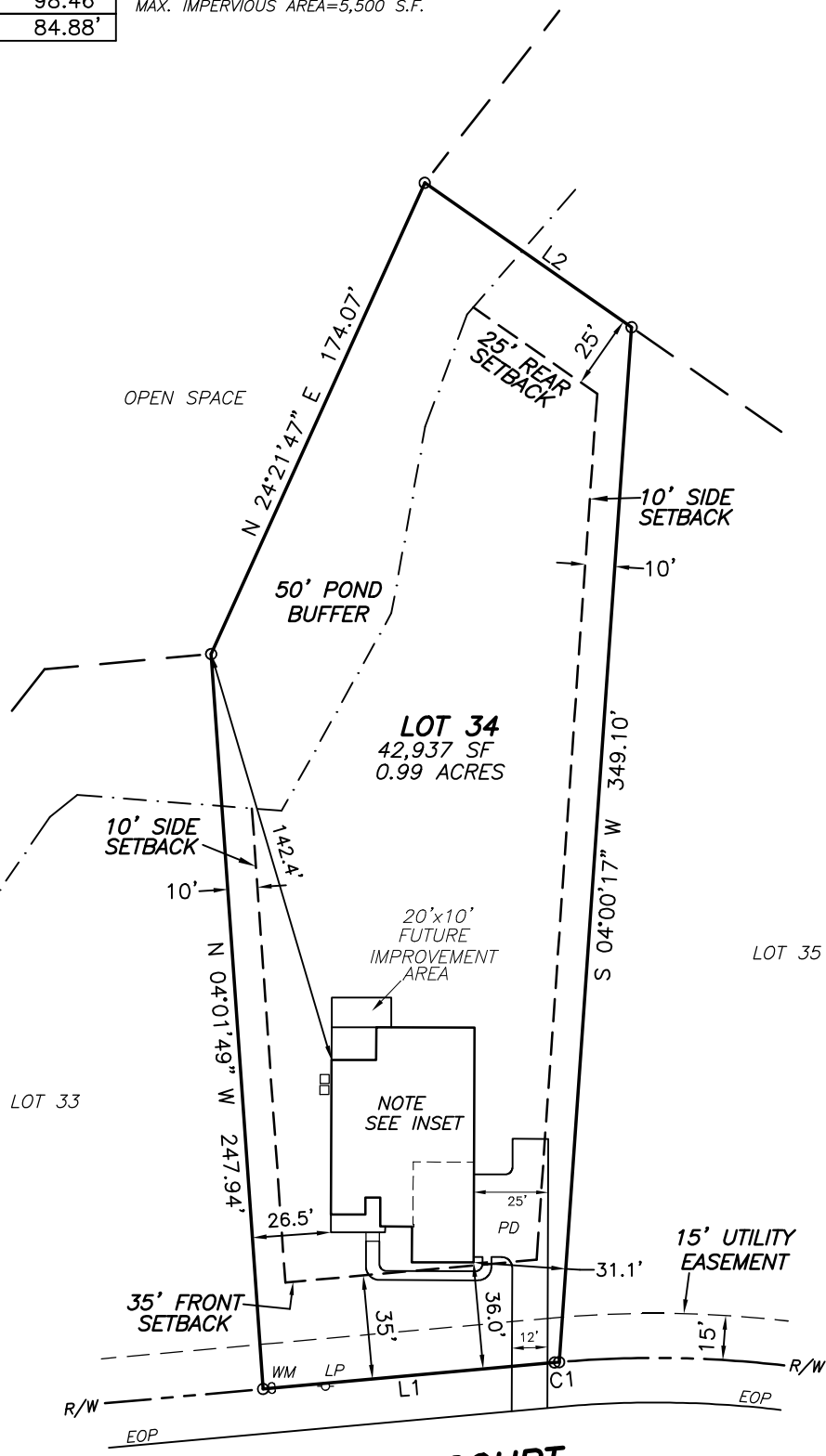
LINE TABLE		
LINE	BEARING	DISTANCE
L1	S 84°48'43" W	98.46'
L2	S 55°04'14" E	84.88'

PROPOSED IMPERVIOUS SURFACES:
 TOTAL LOT AREA=42,937 S.F.
 HOUSE/PORCHES=3,515 S.F.
 DRIVEWAYS/ETC.=1,490 S.F.
 TOTAL IMPERVIOUS AREA=5,005 S.F.
 MAX. IMPERVIOUS AREA=5,500 S.F.



N.C. GRID NORTH (NAD83) FROM P.B. 2023, PG. 563-568

REFERENCES:
 1. D.B. 4218, PG. 193
 PIN 0693-15-9745.000
 PID 040693 0030 19



SETBACKS

FRONT YARD-35'
 SIDE YARD-10'
 REAR YARD-25'
 CORNER SIDE-20'

LEGEND

(EOP)-EDGE OF PAVEMENT
 (LP)-LIGHT POLE
 (PD)-PROPOSED DRIVEWAY
 (WM)-WATER METER
 (AC)-AIR CONDITIONER

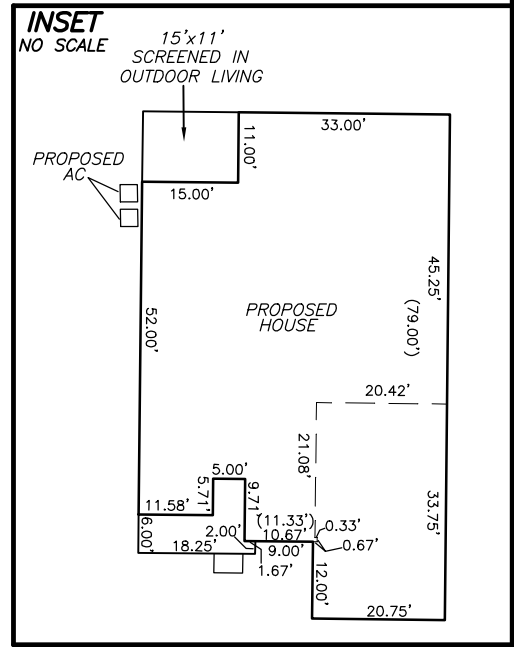
NOTES:

- ALL EASEMENTS, RIGHTS OF WAY AND BOUNDARY INFORMATION TAKEN FROM P.B. 2023, PG 563-568 UNLESS OTHERWISE NOTED.
- PROPERTY IS SUBJECT TO ALL EASEMENTS AND RESTRICTIONS OF RECORD. NO TITLE EXAMINATION HAS BEEN DONE BY ROBINSON & PLANTE, P.C.
- INDIVIDUAL ON SITE SEPTIC SYSTEM FOR ALL LOTS
- WATER TO BE PROVIDED BY HARNETT COUNTY PUBLIC UTILITIES
- NO ENCROACHMENTS INTO THE WETLANDS WILL BE ALLOWED. LOTS TO BE INTERNALLY ACCESSED ONLY.
- ONLY N.C. DEPARTMENT OF TRANSPORTATION APPROVED STRUCTURES ARE TO BE CONSTRUCTED ON PUBLIC RIGHT OF WAY.
- ANY PARCELS OR EXCLUDED AREAS ARE TO BE SERVED INTERNALLY WITH NO ACCESS ONTO DEPARTMENTAL RIGHT OF WAY.
- ALL DRAINAGE EASEMENTS SHALL BE DEDICATED AS PUBLIC AND SHALL BE THE RESPONSIBILITY OF THE PROPERTY OWNERS TO MAINTAIN THE DRAINAGE EASEMENTS AND ANY DRAINAGE STRUCTURES THERE IS SO AS TO MAINTAIN THE INTEGRITY OF DRAINAGE SYSTEM AND INSURE POSITIVE DRAINAGE
- PROPERTY FRONTAGE SHALL NOT PIPED WITHOUT AN APPROVED ENCROACHMENT AGREEMENT FROM NCDOT. THE EASEMENT ALLOWS NCDOT THE RIGHT TO ACCESS THE DRAINAGE EASEMENTS AND PERFORM WORK IT DEEMS NECESSARY OR PRUDENT TO ALLEVIATE ANY ISSUES JEOPARDIZING THE INTEGRITY OF THE ROADWAY.

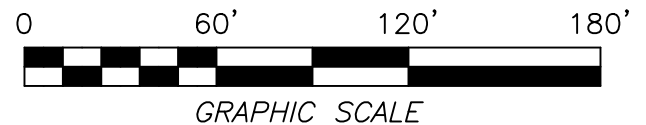
PRELIMINARY PLAT- NOT FOR RECORDATION, CONVEYANCE, OR SALE

**LOT 34 TOBACCO ROAD SUBDIVISION
 PHASE 1 & 3
 52 LOOPING COURT
 HARNETT COUNTY
 ANGIER, NC 27501**

REFERENCE: PLAT BOOK 2023 PAGE 563-568



SURVEY FOR DREES HOMES



FILE: TBRDLOT34PP

I CERTIFY THAT THIS MAP WAS DRAWN UNDER MY SUPERVISION FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION DESCRIPTION RECORDED IN REFERENCES AS SHOWN; THAT THE BOUNDARIES NOT SURVEYED ARE INDICATED AS DRAWN FROM INFORMATION IN _____; THAT THE RATIO OF PRECISION IS 1:10,000; AND THAT THIS MAP MEET THE REQUIREMENTS OF THE STANDARDS OF PRACTICE FOR LAND SURVEYING IN NORTH CAROLINA (21 NCAC 56.16000). THIS _____ DAY OF _____, 2024.

PROFESSIONAL LAND SURVEYOR L-4433

PARKETTE
 ELEV. B
 SEALED CRAWL SPACE
 SCREENED IN OUTDOOR LIVING
 3rd CAR GARAGE
 GARAGE RIGHT SIDE

ROBINSON & PLANTE PC
 LAND SURVEYING
 C-2687
 970 TRINITY ROAD
 RALEIGH, N.C. 27607
 PHONE (919) 859-6030
 FAX (919) 859-6032

DATE: 7-22-24

SCALE: 1"=60'



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).

PRODUCER Wade Associates, LLC 250 Pollock St. New Bern NC 28560	CONTACT NAME: Angela Sensenig PHONE (A/C, No, Ext): (252) 631-5269 FAX (A/C, No): (252) 649-2443 E-MAIL ADDRESS: asensenig@wadeict.com														
INSURED Alex Adams, DBA: Adams Soil Consulting 1676 Mitchell Rd. Angier NC 27501	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: center;">INSURER(S) AFFORDING COVERAGE</th> <th style="text-align: center;">NAIC #</th> </tr> <tr> <td>INSURER A: Markel Insurance Company</td> <td style="text-align: center;">38970</td> </tr> <tr> <td>INSURER B:</td> <td></td> </tr> <tr> <td>INSURER C:</td> <td></td> </tr> <tr> <td>INSURER D:</td> <td></td> </tr> <tr> <td>INSURER E:</td> <td></td> </tr> <tr> <td>INSURER F:</td> <td></td> </tr> </table>	INSURER(S) AFFORDING COVERAGE	NAIC #	INSURER A: Markel Insurance Company	38970	INSURER B:		INSURER C:		INSURER D:		INSURER E:		INSURER F:	
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INSURER D:															
INSURER E:															
INSURER F:															

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								
	COMMERCIAL GENERAL LIABILITY <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 \$ \$								
	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS						COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$								
	UMBRELLA LIAB <input type="checkbox"/> OCCUR EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$						EACH OCCURRENCE \$ AGGREGATE \$ \$								
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y / N	N / A				<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">PER STATUTE</td> <td style="width: 50%;">OTHER</td> </tr> <tr> <td>E.L. EACH ACCIDENT</td> <td>\$</td> </tr> <tr> <td>E.L. DISEASE - EA EMPLOYEE</td> <td>\$</td> </tr> <tr> <td>E.L. DISEASE - POLICY LIMIT</td> <td>\$</td> </tr> </table>	PER STATUTE	OTHER	E.L. EACH ACCIDENT	\$	E.L. DISEASE - EA EMPLOYEE	\$	E.L. DISEASE - POLICY LIMIT	\$
PER STATUTE	OTHER														
E.L. EACH ACCIDENT	\$														
E.L. DISEASE - EA EMPLOYEE	\$														
E.L. DISEASE - POLICY LIMIT	\$														
A	Errors & Omissions			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

<p>*FOR INFORMATIONAL PURPOSES ONLY* XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXX</p>	<p>SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.</p> <hr/> <p>AUTHORIZED REPRESENTATIVE N Whitsett/RACHEL </p>
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