Permit #:	 	_



ROY COOPER • Governor

KODY H. KINSLEY • Secretary

MARK BENTON • Deputy Secretary for Health

SUSAN KANSAGRA • Assistant Secretary for Public Health

Division of Public Health

Submittal Includes:	(a2) Improvement Permi	t (a2) Construction Au	thorization	Fee \$	
	IMPROVE	MENT PERMIT FOR G.S	. 130A-335(a2	!)	
County:					
PIN/Lot Identifier:					
Subdivision (if applicat	ble)	Lot :	#: I	3lock:	Section:
LSS Report Provided: `	Yes No 🗌				
If yes, name and licens	se number of LSS:				
New 🗌	Expansion	System Relocation	on 🗌	Change of Use	
Proposed Structure:					
Number of bedrooms:	: Number of Occupants:	Other:			
Design Wastewater St	rength: domestic	high strength	industrial pr	ocess	
Proposed Design Daily	Flow:GPD	Proposed LTAR (Initial):	Propos	sed LTAR (Repair):	
Proposed Wastewater	System Type*:	(Initia	l) Pump Require	d: Yes No	☐ May be required
Proposed Wastewater	System Type*:	(Repa	ir) Pump Required	d: Yes No	☐ May be required
*Please include systen	n classification for proposed was	tewater system types in accorda	ance with 15A NCA	C 18A .1961 Table	V(a)
Saprolite System (initia	al): 🗌 Yes 🔲 No Sapro	olite System (repair): Yes] No		
Fill System (Initial):	Yes No If yes, specify:	New Existing (when addin	g more than 6 inch	es of fill to system	area provide a fill plan)
Fill System (repair):	Yes No If yes, specify:	New Existing (when addir	ng more than 6 incl	nes of fill to system	ı area provide a fill plan)
Usable Soil Depth (Init	cial): Usab	le Soil Depth (Repair):			
Max. Trench Depth (In	nitial)‡: Max.	Trench Depth (Repair)‡:	[‡] Med	sured on the dow	nhill side of the trench
Artificial Drainage Req	juired: Yes No If yes, pl	ease specify details:			
Type of Water Supply:	Private well Public we	II Shared well Munic	cipal Supply 🔲	Spring 🔲 Othe	r:
Drainfield location me	ets requirements of Rule .1945:	Yes No Drainfield lo	cation meets requ	irements of Rule .1	.950: Yes 🔲 No 🔲
Permit valid for: 🗌 Fi	ve years [site plan submitted pu	rsuant to GS 130A-334(13a)]	No expiration [pl	at submitted pursu	uant to GS 130A-334(7a)
Permit conditions:					
Licensed Soil Saigntint	Drint Namo				
Licensed Soil Scientist Licensed Soil Scientist	$\sqrt{0}$	damæ		— Date:	
いいさいいさい いいけいいきしん	nenglule. // LV L /\	11 12 AV 11 15-7		Date.	

The LSS evaluation is being submitted pursuant to and meets the requirements of G.S. 130A-335(a2).

See attached site sketch

NC DEPARTMENT OF HEALTH AND HUMAN SERVICES • DIVISION OF PUBLIC HEALTH



Permit #:

This Section for Local Health Department Use Only

	Initial submittal received:		by		
		Date	Initials	_	
G.S. 130A-335(a3) states the follo	wing:				
When an applicant for an Improvement Padepartment, the common form developed within five business days of receiving the comport includes all of the required componers hall notify the applicant of the componers department to cure the deficiencies in the is complete within five business days after act within any period set out in this subsect common form for use as the Improvement	by the Department, and a soil evaluat pplication, conduct a completeness re ents. If the local health department de ts needed to complete the Improveme Improvement Permit. The local health the local health department receives t tion, the applicant may treat the failu	ion pursuant to su view of the submit etermines that the nt Permit. The app department shall i the additional infor	bsection (a2) of this s tal. A determination Improvement Permit Ilicant may submit ac make a final determi rmation from the app	ection, the local healt of completeness mea is incomplete, the loc Iditional information t nation as to whether t blicant. If the local hec	th department shall, ns that the Improvement al health department to the local health the Improvement Permit alth department fails to
The review for completeness of the Permit is determined to be:	nis Improvement Permit was co	onducted in acc	cordance with G.	S. 130A-335(a3).	This Improvement
☐ Incomplete (If box is checked	, information in this section is	required.)			
The following items are missing:					
8/ 4	7/25 1			FC W	
Copies of this were sent to the LS	S and the Applicant on	Date			
State Authorized Agent:				Date:	
☐ Complete	1 95//			121	
State Authorized Agent:		-1/-3	·4(1)	Date:	
This Improvement Permit is issue attached here. The issuance of t permit holder is responsible for o to revocation if the site plan, pla ownership of the site. This perm Disposal and to the conditions of	nis permit by the Health Depa hecking with appropriate gove t, or the intended use changes it is subject to compliance wit this permit. t's authorized agents, and the	rtment in no we erning bodies in The Improve th the provision	yay guarantees to in meeting their ement Permit sha ns of the Laws ar epartments shal	he issuance of ot requirements. Th all not be affected nd Rules for Sewa I be discharged a	her permits. The his permit is subject d by a change in nge Treatment and nd released from
any liabilities, duties, and respon evaluations, submittals, or action	• •		-	_	
Improvement Permit Expiration	Date:				

See attached site sketch



Permit #:	
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Re-submittal of Improvement Permit

_				
	LHD USE ONLY: This IP resubmittal received:		by	
L		Date	Initials	
Γhe following ite	ems are being resubmitted pursuant to G.S. 130A-33	5(a3) for issuance of	f the Improvement Permit:	
	SI/	ATT	<i>b</i>	
s accurate and c	hereby attest tha cientist (Print Name) complete to the best of my knowledge and that the paws, regulations, rules, and ordinances.		equired to be included with	
Signature	of Licensed Soil Scientist		Date	
	The section below is for Local Health Department use	e after submittal of it	ems noted as missing above.	
LHD Follow-u	p Completeness Review of Improvement P	Permit		
	ompleteness of this Improvement Permit re-submittermit is determined to be:	tal was conducted i	n accordance with G.S. 130A	\-335(a3). This
☐ Incomplete ((If box is checked, information in this section is requ	uired.)		
Γhe following ite	ems are missing:			
Copies of this we	ere sent to the LSS and the Applicant on			
State Authorized	Agent:		Date:	
☐ Complete				
State Authorized	l Agent:		Date:	



Permit #:

CONSTRUCTION AUTHORIZATION FOR G.S. 130A-335(a2)

County:
PIN/Lot Identifier:
ssued To:
Property Location:
AOWE/PE Plans/Evaluations Provided: Yes 🔲 No 🔲 If yes, name and license number of AOWE/PE:
Facility Type:
New Expansion Repair System Relocation Change of Use
Basement? Yes No Basement Fixtures? Yes No
Type of Wastewater System*(Initial)(Repa
*Please include system classification for proposed wastewater system types in accordance with 15A NCAC 18A .1961 Table V(a)
Design Daily Flow: GPD Wastewater Strength: _ domestic _ high strength _ industrial process
Session Law 2014-120 Section 53, Engineering Design Utilizing Low-flow Fixtures and Low-flow Technologies?
Installation Requirements/Conditions
Septic Tank Size: gallons Total Trench/Bed Length: feet Trench/Bed Spacing: feet on center
Trench/Bed Width: inches LTAR: gpd/ft ²
Soil Cover: inches Slope Corrected Maximum Trench/Bed Depth [‡] : inches * Measured on the downhill side of the trench
Aggregate Depth:inches above pipeinches below pipeinches total
Pump Tank Size (if applicable): gallons Requires more than 1 pump? 🔲 Yes 🔲 No
Pump Requirements: ft. TDH vs GPM Grease Trap Size (if applicable): gallons
Distribution Method: Serial D-Box or Parallel Pressure Manifold(s) LPP Other:
Artificial Drainage Required: Yes No If yes, please specify details:
Legal Agreements (If the answer is "Yes" to any type of legal agreements, please attach a copy of the agreement.)
Multi-party Agreement Required [.1937(h)]:
Easement, Right-of-Way, or Encroachment Agreement Required [.1938(j)]: 🔲 Yes 🔲 No
Declaration of Restrictive Covenants:
Pre-Construction Conference Required: Yes No No
Conditions:
All toron
The construction and installation requirements of Rules .1950, .1952, .1954, .1955, .1956, .1957, .1958, and .1959 are incorporated by reference
nto this permit and shall be met. Systems shall be installed in accordance with the attached system layout.
AOWE/PE Print Name: Expiration Date:
AOWE/PE Signature: Date:

This AOWE/PE submittal is pursuant to and meets the requirements of G.S. 130A-335(a2) and (a5).

See attached site sketch



Permit #:

This Section for Local Health Department Use Only

	Initial submittal received:		у
		Date	Initials
G.S. 130A-335(a5) states the foll	_		
mprovement Permit and Construction A Department, and any necessary signed a singineer or a person certified pursuant to department shall, within five business do the Construction Authorization or Improved the English of the Components needed to conditional information to the local health Authorization. The local health department fails to act within five busing ply for the building permit for the project of the english of the building permit for the project of the englished engineer submitting the evaluation or Improvement Permit and engineer, the local health department shall he partment shall he p	uthorization application together, the per and sealed plans or evaluations conducted to Article 5 of Chapter 90A of the General tys of receiving the application, conduct a tyement Permit and Construction Authorization or Improvement Permit and Construction Authorization of the department to cure the deficiencies in the stall make a final determination as to the stall make a final determination as to stall make a final determination as to stall make a	rmit fee charged by the lot by a person licensed pur Statutes as an Authorized a completeness review of a truction Authorization is it or Improvement Permit as the Construction Authorization are treceives the additional may treat the failure to a fail to act within five busing lest that the local health of Joon written request of the uthorization or Improvem	ation together, submits a Construction Authorization, or an an acal health department, the common form developed by the suant to Chapter 89C of the General Statutes as a licensed of On-Site Wastewater Evaluator, the local health the submittal. A determination of completeness means that required components. If the local health department nocomplete, the local health department shall notify the not Construction Authorization. The applicant may submit action or Improvement Permit and Construction and Information from the applicant. If the local health act as a determination of completeness. The applicant may reaction or Improvement Permit and Construction al information from the applicant. If the local health act as a determination of completeness. The applicant may reaction or Improvement Permit and Construction ress days. The Authorized On-Site Wastewater Evaluator or department revoke or suspend the Construction new Authorized On-Site Wastewater Evaluator or licensed then Permit and Construction Authorization pursuant to G.S.
The review for completeness of	this Construction Authorization v	was conducted in acc	cordance with G.S. 130A-335(a5). This
Construction Authorization is de	termined to be:		
☐ Incomplete (If box is checke	d, information in this section is re	equired.)	
The following items are missing:			
Copies of this were sent to the A	.OWE/PE and the Applicant on _	Date	4V 76 //
State Authorized Agent:			Date:
Complete	The factor of	S-2 7 67 67	
State Authorized Agent:	J. PRIL	12 1776	Date of Issuance:
attached here. This Construction Construction Authorization shall to compliance with the provision The Department, the Department in liabilities, duties, and respondans, evaluations, preconstructive General Statutes as a license Authorized On-Site Wastewater agents, and the local health department in the statement in the statem	n Authorization is subject to revil not be affected by a change in ns of the Laws and Rules for Sevent's authorized agents, and the insibilities imposed by statute or tion conference findings, submited engineer or a person certified Evaluator in GS 130A-335(a2), (ocation if the site pl ownership of the si wage Treatment and local health departn r in common law fro ctals, or actions from d pursuant to Article (a5), and (a7). The D nd bear liability for	ing the signed and sealed plans or evaluations an, plat, or the intended use changes. The te. This Construction Authorization is subject I Disposal and to the conditions of this permit. Inents shall be discharged and released from any claim arising out of or attributed to a a person licensed pursuant to Chapter 89C of 5 of Chapter 90A of the General Statutes as an epartment, the Department's authorized their actions and evaluations and other pursuant to GS 130A-337.
Construction Authorization Exp	ration Date:		
·			
	dia .		

See attached site sketch



Permit #:	
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Re-submittal of Construction Authorization

	LHD USE ONLY: This CA reculpmittal received:		by	
	LHD USE ONLY: This CA resubmittal received:	Date	by Initials	
The following in	tems are being resubmitted pursuant to G.S. 130A-33	35(a5) for issuance of	of the Construction Authoriza	ition:
		A TOTAL A		
l,		at the information re	equired to be included with	this re-submittal
is accurate and	nsite Wastewater Evaluator (Print Name) complete to the best of my knowledge and that the and local laws, regulations, rules, and ordinances.	proposed Construct	tion Authorization meets all	applicable
Signatur	re of Authorized On-Site Wastewater Evaluator		Date	
I HD Follow-ı	The section below is for Local Health Department us		ems noted as missing above.	
The review for o	completeness of this Construction Authorization re-son Authorization is determined to be:		ucted in accordance with G.S	. 130A-335(a5).
☐ Incomplete ((If box is checked, information in this section is requi	ired.)		
The following it	ems are missing:			
	AUO 30° MI	M VIDER	19	
Copies of this w	vere sent to the AOWE/PE and the Applicant on	Date	-	
State Authorize	d Agent:		Date:	
☐ Complete				
State Authorize	d Agent:		Date:	

Adams Soil Consulting, PLLC 1676 Mitchell Road Angier, NC 27501 919-414-6761

alexadams@bcsoil.com

August 25, 2023 Project #1623

"The LSS/LG evaluation(s) attached to this application is to be used to issue an Improvement Permit in accordance with G.S. 130A-335(a2) and (a3)."

"The plans or evaluations attached to this application are to be used to issue a Construction Authorization in accordance with G.S. 130A-335 (a2), (a5), and (a6)"

"This AOWE/PE submittal is pursuant to and meets the requirements of G.S. 130A-335(a2) and (a5)."

RE: Lot 41 Wellers Knoll (75 Van Winkle St.) Subdivision NC (Harnett County) for Davidson Homes

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 3-bedroom septic design.

The suitable soils found on the subject property were relatively consistent 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.

Please find the attached wastewater soil/site evaluation forms for specific soil properties found in the initial and repair areas as well as assigned soil long term acceptance rate (LTAR). Numerous soil borings were made throughout the property and representative soil profile descriptions for the primary septic field and repair area are provided. A location sketch for profile descriptions is also attached. The initial and primary septic fields were sized based on a flow rate of 360 gallons/day and utilizing Accepted Status. Any unauthorized site disturbance, filling, soil removal, or layout changes may result in the permit being revoked.

The septic installer contractor shall install the primary and repair (if needed) system on contour, see attached site plan for the primary system and repair locations. No underground utilities, water lines, or sprinkler systems shall be placed into the initial or repair septic areas. Installation must meet all state and Johnston County regulations for septic system installation. The trenches must be installed in the same location as the site plan. If the installation is in question at the time of installation call me (Alex Adams) at 919-414-6761.

This report discusses the location of provisionally suitable soils identified on the property and does not guarantee the future function of any waste water disposal system installed.

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

Sincerely,

Alex Adams

NC Licensed Soil Scientist #1247 AOWE Certification: 10021E

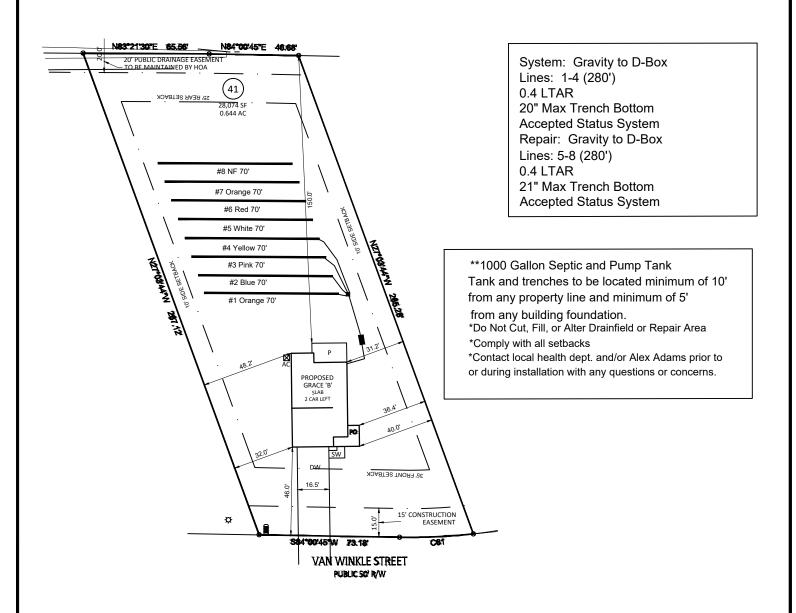




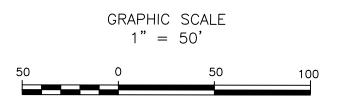
Wellers Knoll - Lot #41 3-Bedroom - Septic Design 75 Van Winkle St. - Lillington, NC Davidson Homes Harnett County PIN: 0529-88-6320

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

*Line are flagged longer on the lot than required for installation.



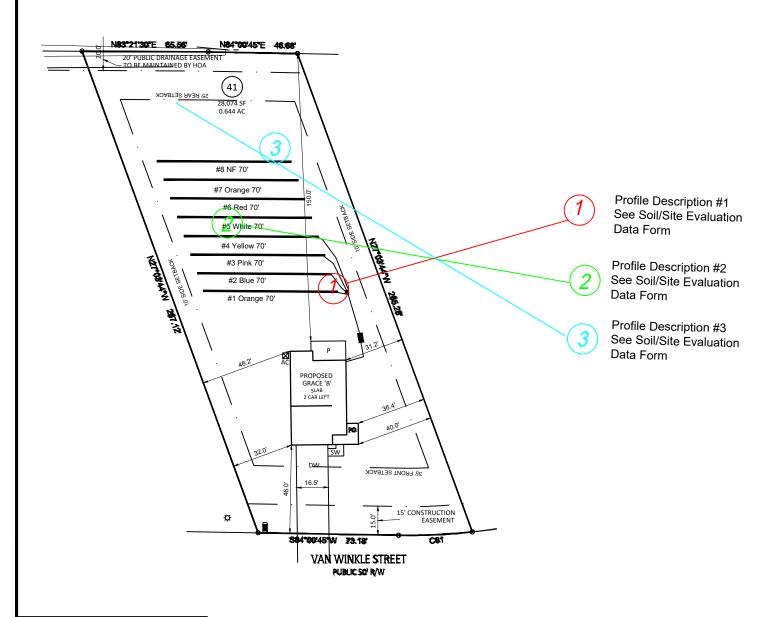
Adams
Soil Consulting
919-414-6761
Job #1623



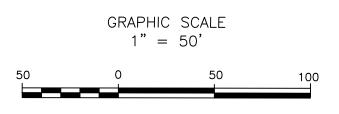
Wellers Knoll - Lot #41 Soil Boring Locatoins 75 Van Winkle St. - Lillington, NC Davidson Homes Harnett County PIN: 0529-88-6320

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

*Line are flagged longer on the lot than required for installation.



Adams
Soil Consulting
919-414-6761
Job #1623



SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

(Complete all fields in full)

OWNER: Davidson Homes

ADDRESS: 75 Van Winkle St.

PROPOSED FACILITY: Single Family, 4-bedroom PROPOSED DESIGN FLOW (.1949): 360gpd

APPLICATION DATE:
DATE EVALUATED: 8-24-23

PROPERTY SIZE: ~.644 acres

LOCATION OF SITE: 75 Van Winkle St. WATER SUPPLY: Public Water

EVALUATION METHOD: Auger Boring

TYPE OF WASTEWATER: Sewage

P R O F I L E	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)		ORPHOLOGY .1941)					
			.1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	.1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
	Linear Slope/3%	0-15	GR/SL	FR/SEXP/NS	N/A	N/A	N/A	N/A	PS/0.4
		15-36	SBK/SCL	FI/SEXP/SS					
	Linear	0-14	GR/SL	FR/SEXP/NS	3/1	N/A	N/A	N/A	PS/0.4
	Slope/3%	14-36	 	FI/SEXP/SS]34	IN/A	IN/A	IN/A	F 5/U.4
		14-30	SDK/SCL	I I/SEXI/SS					
	T •	0.20	GD /GI			D.T./ A	> T / A	27/4	DG (0. 4
	Linear Slope/3%	0-20		FR/SEXP/NS	[33	N/A	N/A	N/A	PS/0.4
3	Бторел 3 7 0	20-36	SBK/SCL	FI/SEXP/SS					
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM	OTHER FACTORS (.1946):				
Available Space (.1945)	>5,000 ft ²	>5,000 ft ²	SITE CLASSIFICATION (.1948): PS				
System Type(s)	Type III (b)	Type III (b)	EVALUATED BY:A. Adams OTHER(S) PRESENT:				
Site LTAR	0.4	0.4					

COMMENTS:



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 4/7/2023

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.

the terms and conditions of the policy, certificate holder in lieu of such endors		. , .	rseme	nt. A stateme	ent on this ce	rtificate does no	ot confer r	ights to the		
PRODUCER			CONTAC NAME:	T Angela :	Sensenig					
Wade Associates, LLC	PHONE (252) 621 5260 FAX (252) 640 2442									
250 Pollock St.				(A/C, No, Ext): (252)051-5209 (A/C, No): (252)049-2443 E-MAIL ADDRESS: asensenig@wadeict.com						
			ADDRES					NAIC #		
New Bern NC 28	560		INSURER(S) AFFORDING COVERAGE INSURER A: Markel Insurance Company					38970		
INSURED		INSURER B:								
Alex Adams, DBA: Adams Soil Con	sulti	ng	INSURE							
1676 Mitchell Rd.	_	INSURER D :								
			INSURER E:							
Angier NC 27	501		INSURER F:							
		TE NUMBER:23-24 Mast								
THIS IS TO CERTIFY THAT THE POLICIES OF INDICATED. NOTWITHSTANDING ANY REQUESTIFICATE MAY BE ISSUED OR MAY PER EXCLUSIONS AND CONDITIONS OF SUCH F	JIREMEN TAIN, TH	NT, TERM OR CONDITION OF AN HE INSURANCE AFFORDED BY T S. LIMITS SHOWN MAY HAVE BEI	Y CONT HE POL	TRACT OR OTH ICIES DESCRI UCED BY PAID	HER DOCUMEN BED HEREIN I	NT WITH RESPEC	T TO WHIC	H THIS		
INSR LTR TYPE OF INSURANCE	INSD W			POLICY EFF (MM/DD/YYYY)	(MM/DD/YYYY)		LIMITS			
COMMERCIAL GENERAL LIABILITY						EACH OCCURRENCE DAMAGE TO RENTE		\$		
CLAIMS-MADE OCCUR						PREMISES (Ea occu		\$		
						MED EXP (Any one	person)	\$		
						PERSONAL & ADV I	INJURY :	\$		
GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGA	ATE :	\$		
POLICY PRO- JECT LOC						PRODUCTS - COMP.		\$		
OTHER:						COMBINED SINGLE		\$		
AUTOMOBILE LIABILITY						(Ea accident)	- '	\$		
ANY AUTO ALL OWNED SCHEDULED						BODILY INJURY (Pe	. /	\$		
AUTOS AUTOS NON-OWNED						BODILY INJURY (Pe		\$		
HIRED AUTOS AUTOS						(Per accident)	,	\$ \$		
UMBRELLA LIAB OCCUB										
I I CCCOR						EACH OCCURRENC		\$		
GEANNO-INIABE	1					AGGREGATE		\$		
DED RETENTION \$ WORKERS COMPENSATION						PER STATUTE	OTH- ER	\$		
AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE						E.L. EACH ACCIDEN		Φ.		
OFFICER/MEMBER EXCLUDED? (Mandatory in NH)	N/A					E.L. DISEASE - EA E		\$ \$		
If yes, describe under						E.L. DISEASE - POLI		\$		
DÉSCRIPTION OF OPERATIONS below							CT LIMIT			
A Errors & Omissions		MEO11181		1/31/2023	1/31/2024	General Aggregate		\$1,000,00		
						Each Occurrence		\$1,000,00		
DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLE	S (ACORI	D 101, Additional Remarks Schedule, m	ay be atta	cched if more space	ce is required)					
CERTIFICATE HOLDER			CANO	ELLATION						
FOR INFORMATIONAL PURPOSES ONLY XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX				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 N Le W						