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 Permit	(a2) Construction Authorization	n	
IMPROVEMENT I	PERMIT FOR G.S. 130A-3	335(a2)	
County:			
PIN/Lot Identifier:			
Issued To:			
Property Location:			
Subdivision (if applicable)	Lot #:	Block:	Section:
LSS Report Provided: Yes No No			
If yes, name and license number of LSS:			
New Expansion	System Relocation	Change of Use	e 🗌
Proposed Structure:			
Number of bedrooms: Number of Occupants: O	ther:		
Design Wastewater Strength: domestic hi	igh strength 🔲 indu	strial process	
Proposed Design Daily Flow: GPD Propo	osed LTAR (Initial):	Proposed LTAR (Repair)	:
Proposed Wastewater System Type*:	(Initial) Pump	Required: 🗌 Yes 📗 No	May be required
Proposed Wastewater System Type*:	(Repair) Pump I	Required: 🗌 Yes 🔲 No	May be required
*Please include system classification for proposed wastewater sy	stem types in accordance with 1	5A NCAC 18A .1961 Table	V(a)
Saprolite System (initial): Yes No Saprolite System	m (repair): 🗌 Yes 🔲 No		
Fill System (Initial): 🗌 Yes 🔲 No If yes, specify: 🗌 New 📗	Existing (when adding more tha	n 6 inches of fill to system	n area provide a fill plan)
Fill System (repair): 🗌 Yes 🔲 No If yes, specify: 🗌 New 📗	Existing (when adding more tha	an 6 inches of fill to syster	m area provide a fill plan)
Usable Soil Depth (Initial): Usable Soil Dep	oth (Repair):		
Max. Trench Depth (Initial)‡: Max. Trench De	epth (Repair)‡:	_ [‡] Measured on the dow	unhill side of the trench
Artificial Drainage Required: 🗌 Yes 🔲 No If yes, please speci	ify details:		
Type of Water Supply: 🔲 Private well 🔃 Public well 🔃 Sha	ared well	/ Spring Oth	er:
Drainfield location meets requirements of Rule .1945: Yes	No Drainfield location mee	ets requirements of Rule .	1950: Yes 🗌 No 🗌
Permit valid for: $igsqcup$ Five years [site plan submitted pursuant to G	GS 130A-334(13a)] 🗌 No expira	ation [plat submitted purs	uant to GS 130A-334(7a)
Permit conditions:			
Licensed Soil Scientist Print Name:		Date:	
CICADSAN SOUNCIANTICE SIGNATURAS ALVISO ALA MANAMAY		I ISTO!	

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:
issued 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/ft²
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)]: 🔲 Yes 🔲 No
Easement, Right-of-Way, or Encroachment Agreement Required [.1938(j)]: 🔲 Yes 🔲 No
Declaration of Restrictive Covenants:
Pre-Construction Conference Required: Yes No No
Conditions:
A CONTRACTOR OF THE PARTY OF TH
The construction and installation requirements of Rules .1950, .1952, .1954, .1955, .1956, .1957, .1958, and .1959 are incorporated by reference
into 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: 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:	by	
		Date	Initials
G.S. 130A-335(a5) states the follo	_		
mprovement Permit and Construction All Department, and any necessary signed and any necessary signed and angineer or a person certified pursuant to department shall, within five business dath the Construction Authorization or Improvements needed to conditional information to the local health Authorization. The local health department fails to act within any period apply for the building permit for the project of the engineer submitting the evaluation or Improvement Permit and the local health department and the local he local health department and the local he local health department and the local he local health department and the local health department and the local health department shall he local health department shall he local health department shall health department shall he local health shall he local health shall he local health shall he local health shall health shall he local health shall health sh	uthorization application together, the pend sealed plans or evaluations conducted of Article 5 of Chapter 90A of the General ys of receiving the application, conduct a green the Permit and Construction Authorizization or Improvement Permit and Construction or Improvement Permit and Construction or Improvement Permit and Construction Authorization of the Construction Authorization of the Sall make a final determination as to interest and the subsection, the applicant less done in this subsection, the applicant feet upon the decision of completeness of the porture of the local health department fair in pursuant to this subsection may requited the construction Authorization for cause. Let	rmit fee charged by the lood by a person licensed purson licensed purson licensed purson licensed purson licensed purson licensed purson licensed l	ntion together, submits a Construction Authorization, or an cal 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 the complete, the local health department shall notify the add Construction Authorization. The applicant may submit toon or Improvement Permit and Construction on Authorization or Improvement Permit and Construction and information from the applicant. If the local health that as a determination of completeness. The applicant may ration or Improvement Permit and Construction ass days. The Authorized On-Site Wastewater Evaluator or repartment revoke or suspend the Construction as Authorized On-Site Wastewater Evaluator or licensed and Construction Authorization pursuant to G.S.
The review for completeness of t	this Construction Authorization v	was conducted in acc	ordance with G.S. 130A-335(a5). This
Construction Authorization is de	termined to be:		
☐ Incomplete (If box is checked	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	W 76 //
State Authorized Agent:			Date:
Complete	1 Land		15/8
State Authorized Agent:	J. PRIL	12 1776	Date of Issuance:
attached here. This Construction Construction Authorization shall to compliance with the provision of the Department, the Department in liabilities, duties, and respondans, evaluations, preconstruct the General Statutes as a license Authorized On-Site Wastewater agents, and the local health dep	n Authorization is subject to rev I not be affected by a change in ns of the Laws and Rules for Sev nt's authorized agents, and the nsibilities imposed by statute or cion conference findings, submit ed engineer or a person certified Evaluator in GS 130A-335(a2), (ocation if the site plan ownership of the site wage Treatment and local health department in common law from tals, or actions from a pursuant to Article (a5), and (a7). The Dend bear liability for the	ing the signed and sealed plans or evaluations an, plat, or the intended use changes. The ite. This Construction Authorization is subject Disposal and to the conditions of this permit. In ents shall be discharged and released from many claim arising out of or attributed to 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 Expi	ration Date:		
·		<u></u>	
	dia .		

See attached site sketch



Permit #:	
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Re-submittal of Construction Authorization

	LUDUSE ONLY. This CA resubmitted received:		h.,	
	LHD USE ONLY: This CA resubmittal received:	Date	by	
The following it	tems are being resubmitted pursuant to G.S. 130A-33	5(a5) for issuance of	of the Construction Authoriza	ation:
	ST	ATT	<i>Sh.</i>	
l,		nt the information r	equired to be included with	this re-submittal
	nsite Wastewater Evaluator (Print Name) complete to the best of my knowledge and that the	proposed Construc	tion Authorization mosts all	annlicable
	and local laws, regulations, rules, and ordinances.	proposed construc	tion Authorization meets air	аррисавіе
Signatur	re of Authorized On-Site Wastewater Evaluator	1	Date	
	The section below is for Local Health Department use	e after submittal of it	ems noted as missing above.	
LHD Follow-ւ	up Completeness Review of Construction A	uthorization		
	completeness of this Construction Authorization re-s on Authorization is determined to be:	ubmittal was condu	ucted in accordance with G.S	. 130A-335(a5).
☐ Incomplete ((If box is checked, information in this section is requi	red.)		
The following it	ems are missing:			
	OLIAN 35° OLIAN	M AIDE	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:	

6

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

alexadams@bcsoil.com

January 9, 2024 Project #479

"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: McKay Place - Lot #20 (42 Finsbury Ct. - Lillington) Subdivision NC (Harnett County) for DR Horton, Inc.

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 480 gallon/day 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 480 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 Harnett 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



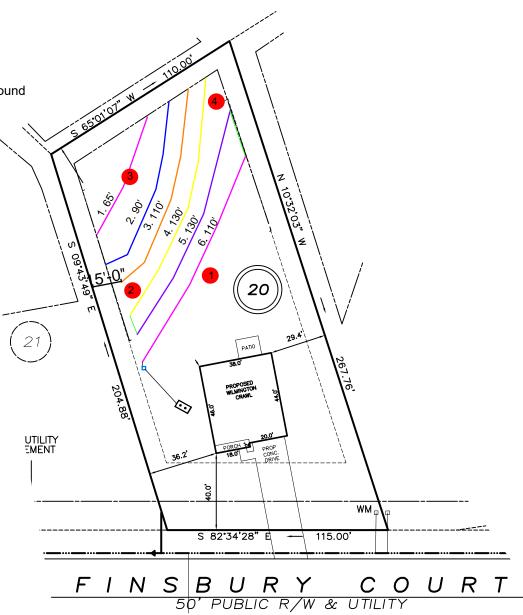


Mckay Place Lot 20 4 Bedroom Harnett County

- *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 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 4-7 (370') Accepted Status Pressure Manifold REPAIR: Lines 1-3 (250') PPBPS

Adams Soil Consulting 919-414-6761



SCALE 1" = 50'

Mckay Place Lot 20 4 Bedroom 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.

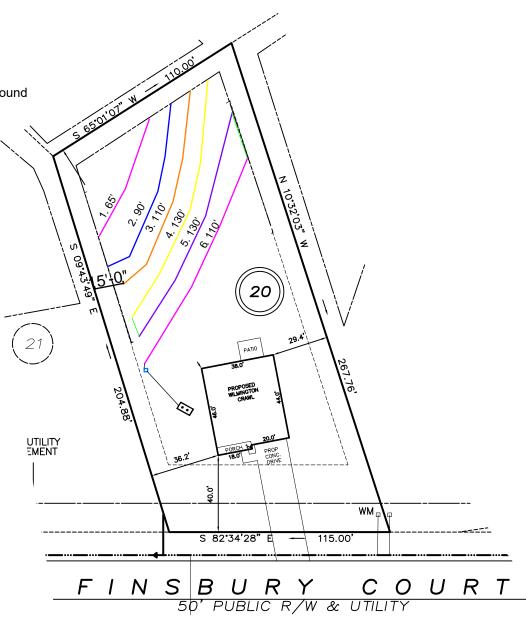
***No cuts of 2' or greater within within 15' of septic area

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

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

INITIAL: Lines 4-6 (370') Accepted Status Pressure Manifold REPAIR: Lines 1-3 (265') PPBPS

Adams Soil Consulting 919-414-6761



SCAL<u>E 1" = 50'</u>

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

(Complete all fields in full)

OWNER: D.R Horton

APPLICATION DATE:

ADDRESS:

DATE EVALUATED: 12-28-2023 PROPERTY SIZE: .59 Acres

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

LOCATION OF SITE: 42 Finsbury Ct., Lillington NC 27546

WATER SUPPLY: Municipal Water

EVALUATION METHOD: Auger Boring

TYPE OF WASTEWATER: Sewage

P R O F I L	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941)		FA				
#			.1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	.1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
	12% Lisis	0-10	GR SL	VFR,NS,NP,SEXP	N.O	40"	N.O	N.O	P.S .325
		10-30	SBK SCL	FR,SS,SP,SEXP					
1		30-40	SBKWKSCL	FR,SS,SP,SEXP					
	100/T::	0.15	CD CI	VED NG ND GEVD	NO	4.033	N I O	NIO	D G 225
	12% Lisis	0-15	GR SL	VFR,NS,NP,SEXP	N.O	40"	N.O	N.O	P.S .325
2		15-30	SBIT SCE	FR,SS,SP,SEXP					
2		30-40	SBKWKSCL	FR,SS,SP,SEXP					
	12% Lisis	0-12	GR SL	VFR,NS,NP,SEXP	N.O	36"	N.O	N.O	P.S .325
		12-30	SBK SCL	FR,SS,SP,SEXP					
3		30-36	SBKWKSCL	FR,SS,SP,SEXP					
4	12% Lisis	0-22	GR SL	VFR,NS,NP,SEXP		36"	N.O	N.O	P.S .325
		22-36	SBK SCL	FR,SS,SP,SEXP	@ 36"			ı	

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM	OTHER FACTORS (.1946):				
Available Space (.1945)	S	S	SITE CLASSIFICATION (.1948): U/PS EVALUATED BY: A. Adams OTHER(S) PRESENT:				
System Type(s)	Type III B	Type III B					
Site LTAR	0.325	0.325					

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) 642					252)649-2443			
250 Pollock St.				(A/C, No, Ext): (252)651-5269 (A/C, No): (252)649-2443 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	INSURER C:								
1676 Mitchell Rd.	_	INSURER D :							
			INSURER E:						
Angier NC 27	501		INSURER E: 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					