IMPROVEMENT PERMIT FOR G.S. 130A-335(a2)/SL2022-11

County: _____

IN/Lot Identifier:
ssued To:
roperty Location:
ubdivision: Lot #: Block: Section:
SS Report Provided: Yes 🗌 No 🗌
f yes, name and license number of LSS:
lew Repair Expansion System Relocation
roposed Structure:
roposed Wastewater System Type: (Initial) (Repair)
ill System: Yes No If yes, specify: New Existing (when adding more than 6 inches of fill to system area please provide a fill plan)
roposed Design Daily Flow: GPD Proposed LTAR (Initial): Proposed LTAR (Repair):
Design Wastewater Strength: domestic high strength industrial process
lumber of bedrooms: Number of Occupants: Other:
ump Required: Yes No May be required based upon final location and elevations of facilities
rtificial Drainage Required: 🗌 Yes 🔲 No If yes, please specify details:
ype of Water Supply: 🗌 Private well 📄 Public well 📄 Municipal Supply 📄 Spring 📄 Other:
Drainfield location meets requirements of Rule .1945: Yes No
Drainfield location meets requirements of Rule .1950: Yes No
ermit valid for: 🗌 Five years [site plan submitted pursuant to GS 130A-334(13a)] 🔲 No expiration [plat submitted pursuant to GS 130A-334(7a)
ermit conditions:
icensed Soil Scientist Print Name:
icensed Soil Scientist Signature: Xlex Xdavma
The LSS evaluation is being submitted pursuant to and meets the requirements of G.S. 130A-335(a2).
See attached site sketch

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This Section for Local	l Health Departi	ment Use Only	
Initial submittal received:			
	Date	Initials	
Permit Number:			
G.S. 130A-335(a4) states the following: 'If a local health depar submitted pursuant to subsection (a3) of the section within 10 department shall issue the improvement permit.'	•	• •	
In accordance with G.S. 130A-335(a3) the improvement permi	t application is:		
Incomplete (If box is checked, information in this section is	s required.)		
The following items are missing:			
Copies of this were sent to the LSS and the Owner on	Date		
State Authorized Agent:			Date:
Denied (See attached report.)			
Copies of this were sent to the LSS and the Owner on	Date	-	
State Authorized Agent:			Date:
Complete			

State Authorized Agent:	Date of Issuance:	
•		

This Improvement Permit is issued pursuant to G.S. 130A-335 (a2), (a3), and (a4) using the signed and sealed LSS/LG evaluation(s) attached here. The issuance of this permit by the Health Department in no way guarantees the issuance of other permits. The permit holder is responsible for checking with appropriate governing bodies in meeting their requirements. This site is subject to revocation if the site plan, plat, or the intended use changes, or if information submitted in the application was falsified, inaccurate or misleading. The Improvement Permit shall not be affected by a change in ownership of the site. This permit is subject to compliance with the provisions of the Laws and Rules for Sewage Treatment and Disposal and to conditions of this permit. The location and identification of all property lines, easements, water lines, and other appropriate utilities shall be the responsibility of the owner.

The Department, the Department's authorized agents, and the local health departments shall be discharged and released from any liabilities, duties, and responsibilities imposed by statute or in common law from any claim arising out of or attributed to evaluations, submittals, or actions from a licensed soil scientist or licensed geologist pursuant to GS 130A-335(a2).

Improvement Permit Expiration Date: _____

See attached site sketch

County: _____

CONSTRUCTION AUTHORIZATION FOR G.S. 130A-335(a2)/SL2022-11

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
Basement? Yes No Basement Fixtures? Yes No
Type of Wastewater System**(Initial)(Repair)
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? 🗌 Yes 🗌 No
Installation Requirements/Conditions
Septic Tank Size: gallons Total Trench/Bed Length: feet Trench/Bed Spacing: feet on center
Drainfield square footage: Trench/Bed Width: inches LTAR: gpd/ft ²
Soil Cover: inches Slope Adjusted Maximum Trench/Bed Depth: inches
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: Yes No
**If applicable: I understand the system type specified is different from the type specified on the application. I accept the specifications of this permit.
Owner/Legal Representative Print Name:
Owner/Legal Representative Signature: Date:
Pre-Construction Conference Required: Yes No Conditions:
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:Alex Adams
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

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This Section for Local Health Department Use Only

Initial submittal received:		by
	Date	Initials
Permit Number:		

G.S. 130A-335(a6) states the following: 'If a local health department fails to act on an application for a construction authorization submitted pursuant to subsection (a5) of the section within 10 business days of receipt of a complete application, the local health department shall issue the construction authorization.' In accordance with G.S. 130A-335(a5) the construction authorization application is: Incomplete (If box is checked, information in this section is required.) The following items are missing: Copies of this were sent to the AOWE/PE and the Owner on _____ Date State Authorized Agent: _____ Date: _____ Denied (See attached report.) Copies of this were sent to the AOWE/PE and the Owner on _____ Date State Authorized Agent: _____ Date: _____ Complete Date of Issuance: ____ State Authorized Agent: ____ This Construction Authorization is issued pursuant to G.S. 130A-335(a2), (a5), and (a6) using the signed and sealed plans or evaluations attached here. This Construction Authorization is subject to revocation if the site plan, plat, or the intended use changes, or if information submitted in the application was falsified, inaccurate or misleading. The Construction Authorization shall not be affected by a change in ownership of the site. This Construction Authorization is subject to compliance with the

provisions of the Laws and Rules for Sewage Treatment and Disposal and to the conditions of this permit. The location and identification of all property lines, easements, water lines, and other appropriate utilities shall be the responsibility of the owner. Final landscaping shall be constructed to divert water and establish vegetative cover.

The Department, the Department's authorized agents, and the local health departments shall be discharged and released from any liabilities, duties, and responsibilities imposed by statute or in common law from any claim arising out of or attributed to plans, evaluations, preconstruction conference findings, submittals, or actions from a person licensed pursuant to Chapter 89C of the General Statutes as a licensed engineer or a person certified pursuant to Article 5 of Chapter 90A of the General Statutes as an Authorized On-Site Wastewater Evaluator in GS 130A-335(a2), (a5), and (a7). The Department, the Department's authorized agents, and the local health departments shall be responsible and bear liability for their actions and evaluations and other obligations under State law or rule, including the issuance of the operations permit pursuant to GS 130A-337.

Construction Authorization Expiration Date: _____

See attached site sketch

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

May 19, 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: 104 Van Winkle St. 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 4-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 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 local 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

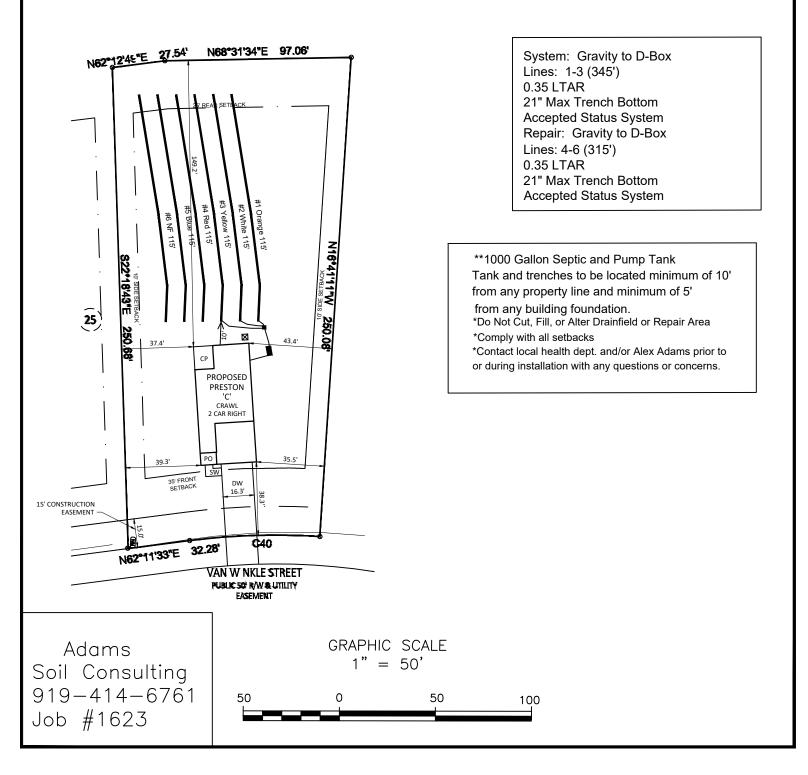


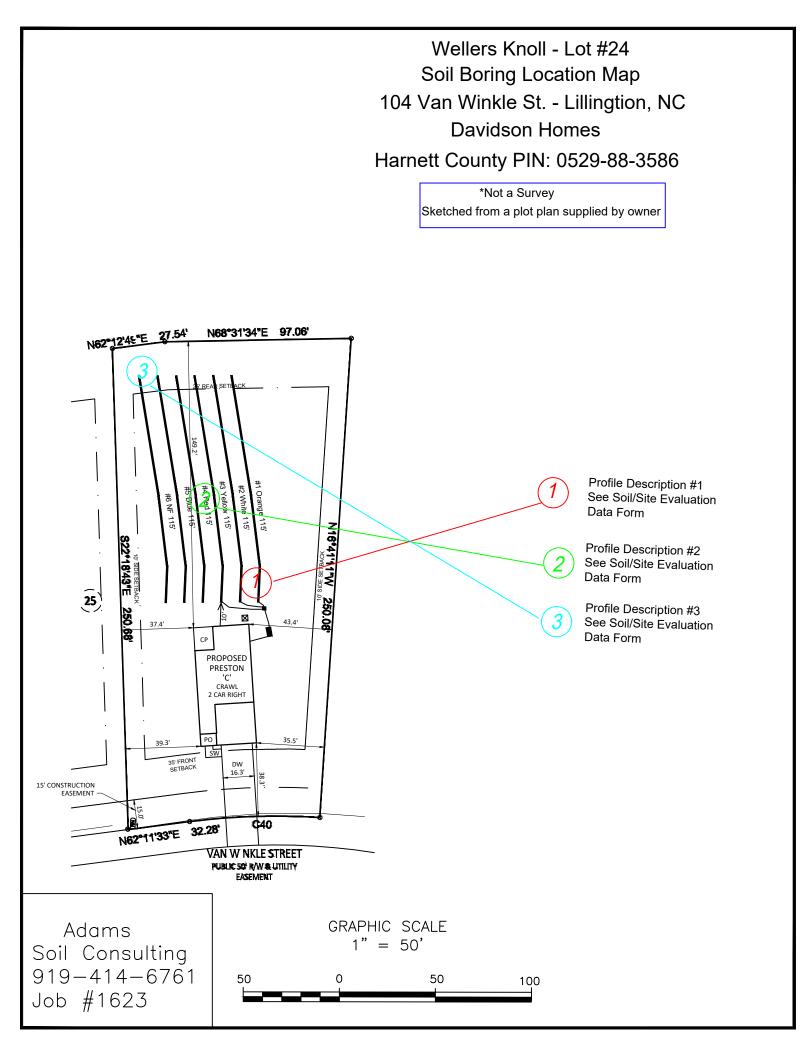


Wellers Knoll - Lot #24 4-Bedroom - Septic Design 104 Van Winkle St. - Lillingtion, NC Davidson Homes Harnett County PIN: 0529-88-3586

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

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





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

OWNER: Davidson Homes ADDRESS: 104 Van Winkle St. PROPOSED FACILITY: Single Family, 4-bedroom PROPOSED DESIGN FLOW (.1949): 480gpd LOCATION OF SITE: 104 Van Winkle St. WATER SUPPLY: Public Water EVALUATION METHOD: TYPE OF WASTEWATER: Auger Boring

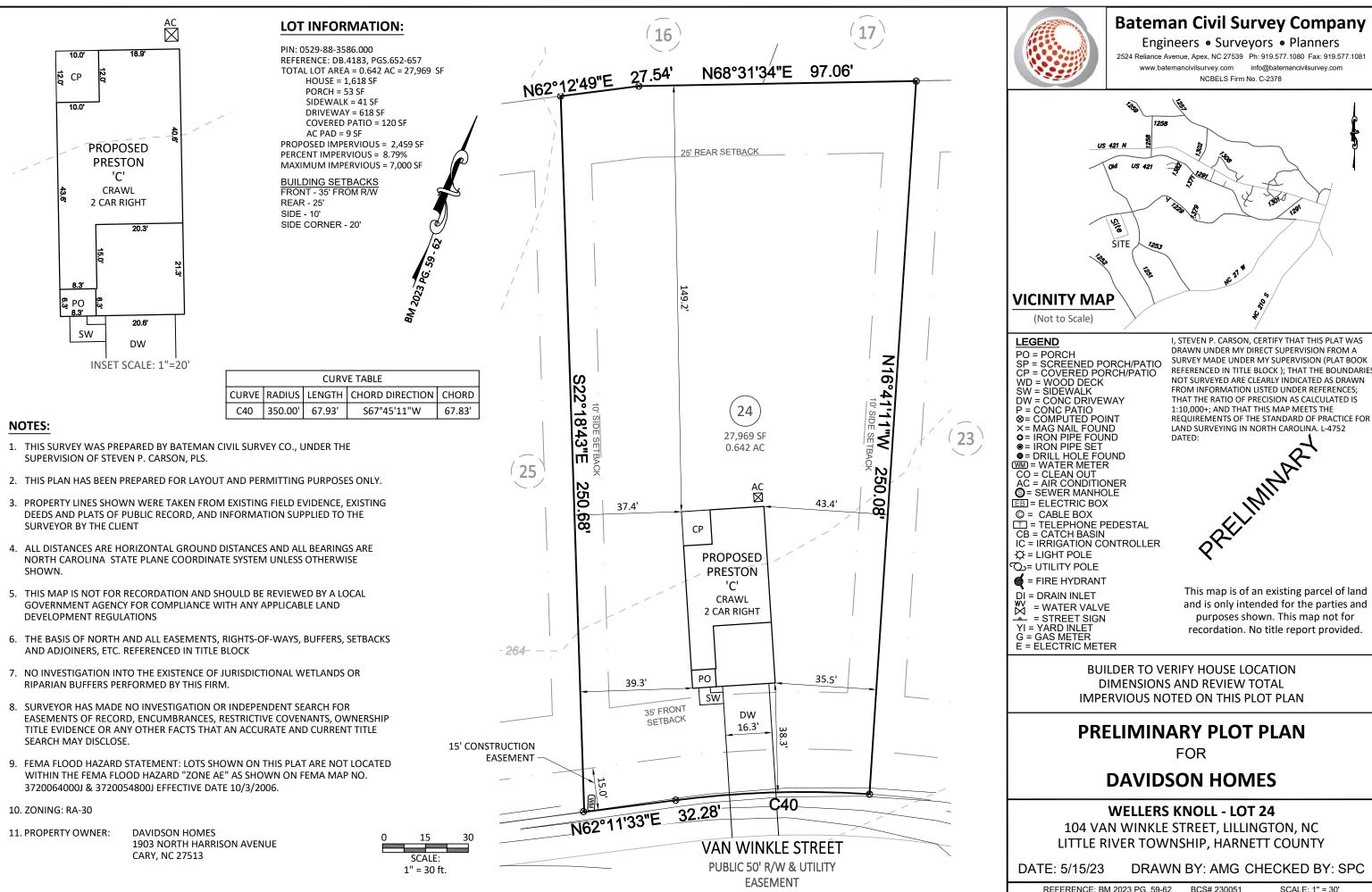
APPLICATION DATE: DATE EVALUATED: 5-17-23 PROPERTY SIZE: ~0.6 acres

Sewage

P R O F I L	.1940 LANDSCAPE HORIZON		SOIL MO (.						
E #	POSITION/ SLOPE % (IN.) .1941 .1941 STRUCTURE/ CONSISTENCE/ TEXTURE MINERALOGY	.1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR			
	Linear	0-18	GR/SL	FR/SEXP/NS	N/A	N/A	N/A	N/A	PS/0.35-0.4
	Slope/4%	18-40	SBK/SCL	FI/SEXP/SS	-				
1					-				
					-				
	Linear Slope/4%	0-20		FR/SEXP/NS	N/A	N/A	N/A	N/A	PS/0.35-0.4
	S10pe/4%	20-36	SBK/SCL	FI/SEXP/SS	-				
2						-			
					-				
		0-16	GR/SL	FR/SEXP/NS	33"	N/A	N/A	N/A	PS/0.35-0.4
	Slope/4%	16-36	SBK/SCL	FI/SEXP/SS					
3									
					-				
					-				
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	0.35	0.35	
COMMENTS:		-	-

Updated February 2014



REFERENCE: BM 2023 PG. 59-62

BCS# 230051

SCALE: 1" = 30'

ACORD	

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

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				CONTAC NAME:	T Angela S	Sensenig			
Wade Associates, LLC			·	PHONE (A/C, No	Ext). (252)	631-5269	FAX (A/C, No): ⁽²	52)649	-2443
250 Pollock St.				E-MAIL ADDRES	_{S:} asensen:	ig@wadeict			
							DING COVERAGE		NAIC #
New Bern NC 285	60			INSURE	RA:Markel	Insurance	Company		38970
INSURED				INSURE	RB:				
Alex Adams, DBA: Adams Soil Con	sult	ing		INSURE	RC:				
1676 Mitchell Rd.				INSURE	RD:				
				INSURE	RE:				
Angier NC 275				INSURE	RF:				
COVERAGES CER THIS IS TO CERTIFY THAT THE POLICIES OF			NUMBER: 23-24 Maste				REVISION NUMBER:		
INDICATED. NOTWITHSTANDING ANY REQ CERTIFICATE MAY BE ISSUED OR MAY PER EXCLUSIONS AND CONDITIONS OF SUCH P	JIREM TAIN, ⁻ OLICII	ent, [.] The II Es. Li	TERM OR CONDITION OF AN NSURANCE AFFORDED BY T MITS SHOWN MAY HAVE BEE	Y CONT HE POL	RACT OR OTH ICIES DESCRI UCED BY PAID	IER DOCUMEI BED HEREIN I	NT WITH RESPECT TO WHICH	H THIS	
INSR LTR TYPE OF INSURANCE	ADDL INSD		POLICY NUMBER		POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS		
COMMERCIAL GENERAL LIABILITY							EACH OCCURRENCE \$	6	
CLAIMS-MADE OCCUR							PREMISES (Ea occurrence) \$	6	
							MED EXP (Any one person) \$		
							PERSONAL & ADV INJURY \$		
							GENERAL AGGREGATE \$		
							PRODUCTS - COMP/OP AGG \$		
OTHER: AUTOMOBILE LIABILITY							COMBINED SINGLE LIMIT		
							(Ea accident) BODILY INJURY (Per person) \$		
ANY AUTO							BODILY INJURY (Per accident) \$		
AUTOS AUTOS NON-OWNED							PROPERTY DAMAGE (Per accident)		
AUTOS							(Per accident) \$	5	
UMBRELLA LIAB OCCUR							EACH OCCURRENCE \$	6	
EXCESS LIAB CLAIMS-MADE							AGGREGATE \$	5	
DED RETENTION \$							\$	6	
WORKERS COMPENSATION AND EMPLOYERS' LIABILITY							PER OTH- STATUTE ER		
AND EMPLOYERS LIABILITY Y/N ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED?	N/A						E.L. EACH ACCIDENT \$	6	
(Mandatory in NH) If yes, describe under							E.L. DISEASE - EA EMPLOYEE \$	6	
DESCRIPTION OF OPERATIONS below							E.L. DISEASE - POLICY LIMIT \$	6	
A Errors & Omissions			ME011181		1/31/2023	1/31/2024	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				CANC	ELLATION				
*FOR INFORMATIONAL PURP XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	xxxx	xxx		THE ACC	EXPIRATION D ORDANCE WIT	DATE THEREOF	SCRIBED POLICIES BE CANC F, NOTICE WILL BE DELIVEREI / PROVISIONS.		BEFORE
				AUTHOR	RIZED REPRESEN	ITATIVE	-		
				N Whi	tsett/RACI		N. Reel W		_
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