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

January 28, 2025 Project #1215

RE: 19 Grading Stick Ct. - Angier, NC 27501– (Harnett County, NC PIN# 0693-24-7623)

OWNER ACCEPTANCE OF SEPTIC SYSTEM

I certify that Drees Homes is accepting the subsurface wastewater (septic) system installed at 19 Grading Stick Ct. The acceptance includes the AOWE permit as issued and designed by Adams Soil Consulting, PLLC and installed by Full Circle Septic Services).

Owner's Representative (print): _____ Bradley Weekley

Owner's Representative – (Signature Date):	Bradley Weekley	1/29/2025 9:03:32 AM EST
Owner's Representative – (Signature Date)	4E761125D09C444	, , , , , ,

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January 28, 2024 Project #1215

This document is submitted in addition to the "Notice of Intent to Construct" submittal package previously supplied to the local health department in pursuant to G.S. 130A-336.1

RE: 19 Grading Stick Ct.- Angier, NC 27501– (Harnett County, NC PIN# 0693-24-7623)

To whom it may concern:

This letter is to notify the Harnett County Environmental Health Department that the construction of the wastewater system has been completed. The system was installed to acceptable construction standards. The installation was constructed in conformance to the original construction documents. This document may serve as "Authorization to Operate" the installed system.

Operation and Management Program

Have the effluent filter in the septic tank cleaned periodically by a professional. Have the solids pumped out of the septic tank every 3-5 years by a professional. Maintain adequate vegetative cover over the drainfield. Keep surface waters away from the tank and drainfield. Do not pour grease or oil down the sink. Contact a professional for periodic maintenance.

to Xa

Alex Adams Adams Soils Consulting, PLLC NC Licensed Soil Scientist #1247

North Carolina Onsite Wastewater Contractor Inspector Certification Board Authorized Onsite Wastewater Evaluator Permit Option for Non-Engineered Systems Notice of Intent (NOI) to Construct
<u>x</u> New <u>Expansion</u> Repair Relocation Relocation of Repair Area
Owner or Legal Representative Information: Teri TreffzsName: Drees Homes CompanyMailing address: 211 Grandview Drive - Suite 102 City: Ft. Mitchell State: KY Zip: 41017Phone: 919-256-5478Email: ttreffzs@dreeshomes.com
Authorized Onsite Wastewater Evaluator Information:Name: Alex AdamsCertification #: AOWE# 10021EMailing address: 1676 Mitchell RoadCity: AngierState: NCZip: 27501Phone: 919-414-6761Email: alexadams@bcsoil.com
Site Location Information: Site address: Lot #60 (Tobacco Road) 19 Grading Stick Ct Angier, NC 27501 Tax parcel identification number or subdivision lot, block number of property: PIN# 0693-24-7623 County: Harnett
System Information: Accepted Status Wastewater System Type: Type III (g) Daily Design Flow: 480 gallons/day Saprolite System: YesX_No Subsurface Operator Required: YesX_No Water Supply Type: Private WellX_Public Water Supply SpringOther:
Facility Type: X_Residential4 # Bedrooms8 Maximum # of Occupants Business Type of Business and Basis for Flow: Public Assembly Type of Public Assembly and Basis for Flow:
Requird_Attachments: x_Plat_or_Siteplan x_Evaluation of Soil and Site Features by Licensed Soil Scientist
Attest: On this the <u>22 Day of August 2024</u> by signature below I hereby attest that the information required to be included with this NOI to Construct is accurate and complete to the best of my knowledge. Furthermore, I hereby attest that I have adhered to the laws and rules governing onsite wastewater systems in the state of North Carolina. This NOI shall expire on <u>22th day of August 2029</u> .
Signature of Authorized Onsite Wastewater Evaluator: New Harme
Signature of Owner or Legal Representative: Disclosure: The owner may apply for a building permit for the project upon submitting a complete NOI to Construct and the fee required (if each) to the level height department. An excite meeter surface surface with sized excite meeters and her each surface surface.
required (if any) to the local health department. An onsite wastewater system authorized by an authorized onsite wastewater evaluator shall be transferable to a new owner with the consent of the authorized onsite wastewater evaluator. Local Health Department Receipt Acknowledgement: Signature of Local Health Department Representative:Date:

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

August 22, 2024 Project #1215

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

RE: Tobacco Road -Lot #60 - 19 Grading Stick Ct. - Angier, NC - 4-bedroom Single Family Residence (PIN# 0693-24-7623)

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.

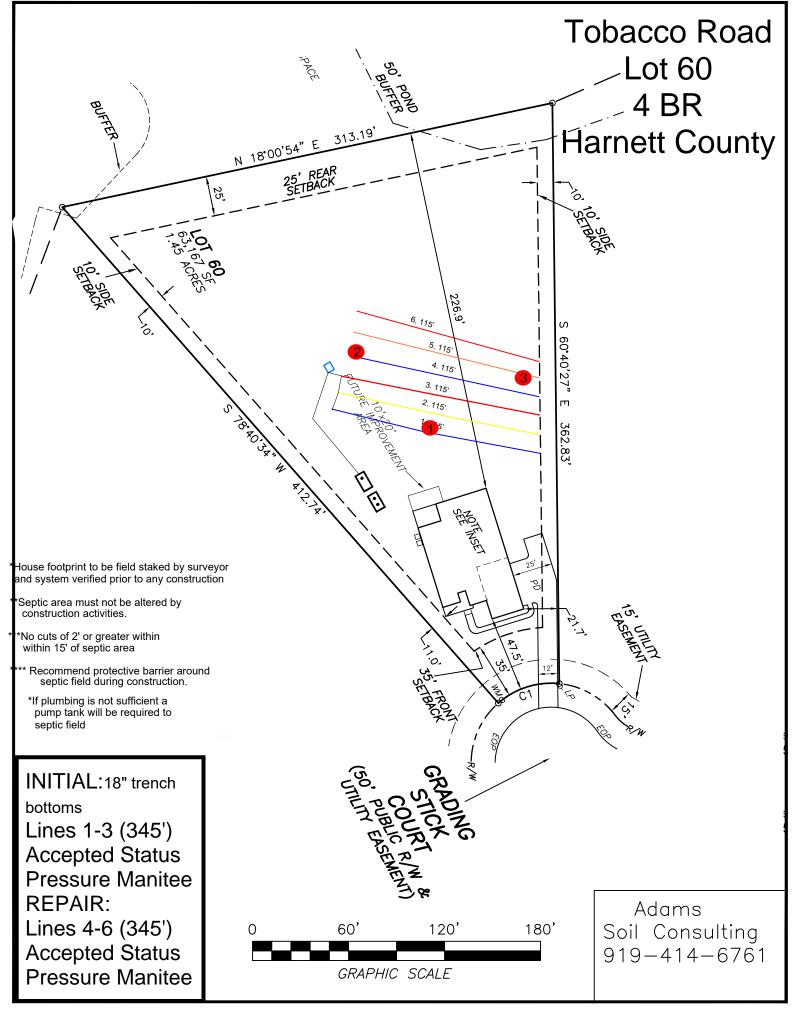
If you have any questions regarding the findings on the attached site plan or in this report, please feel free to contact me anytime.

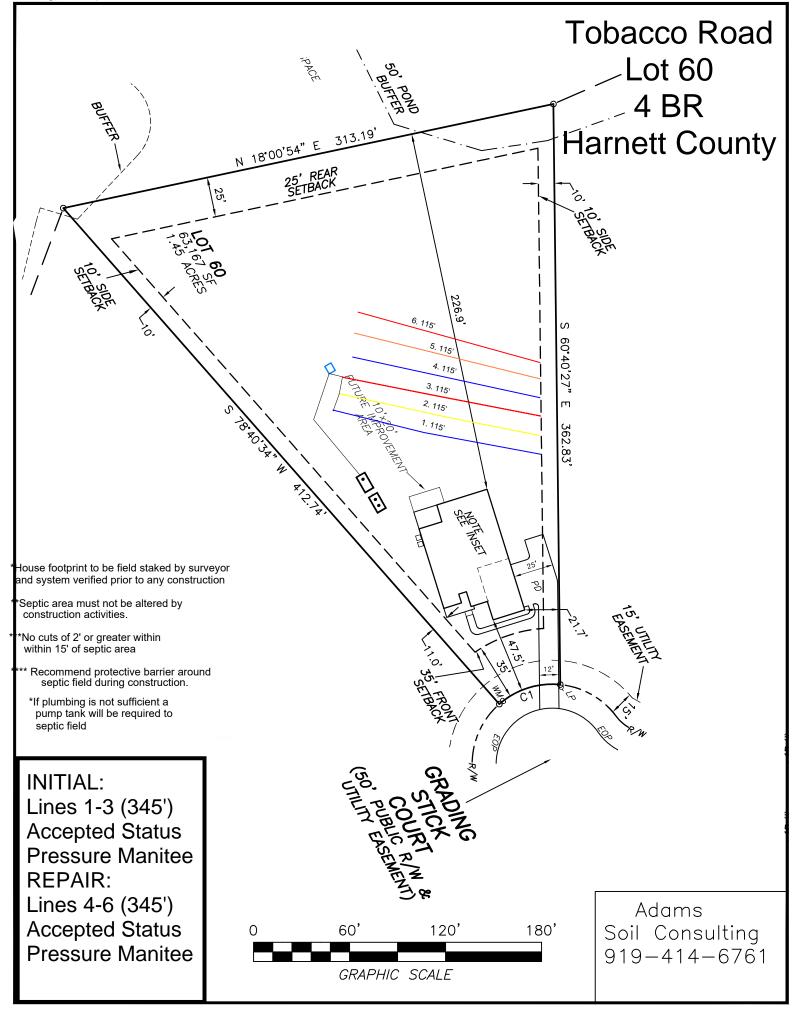
Sincerely,

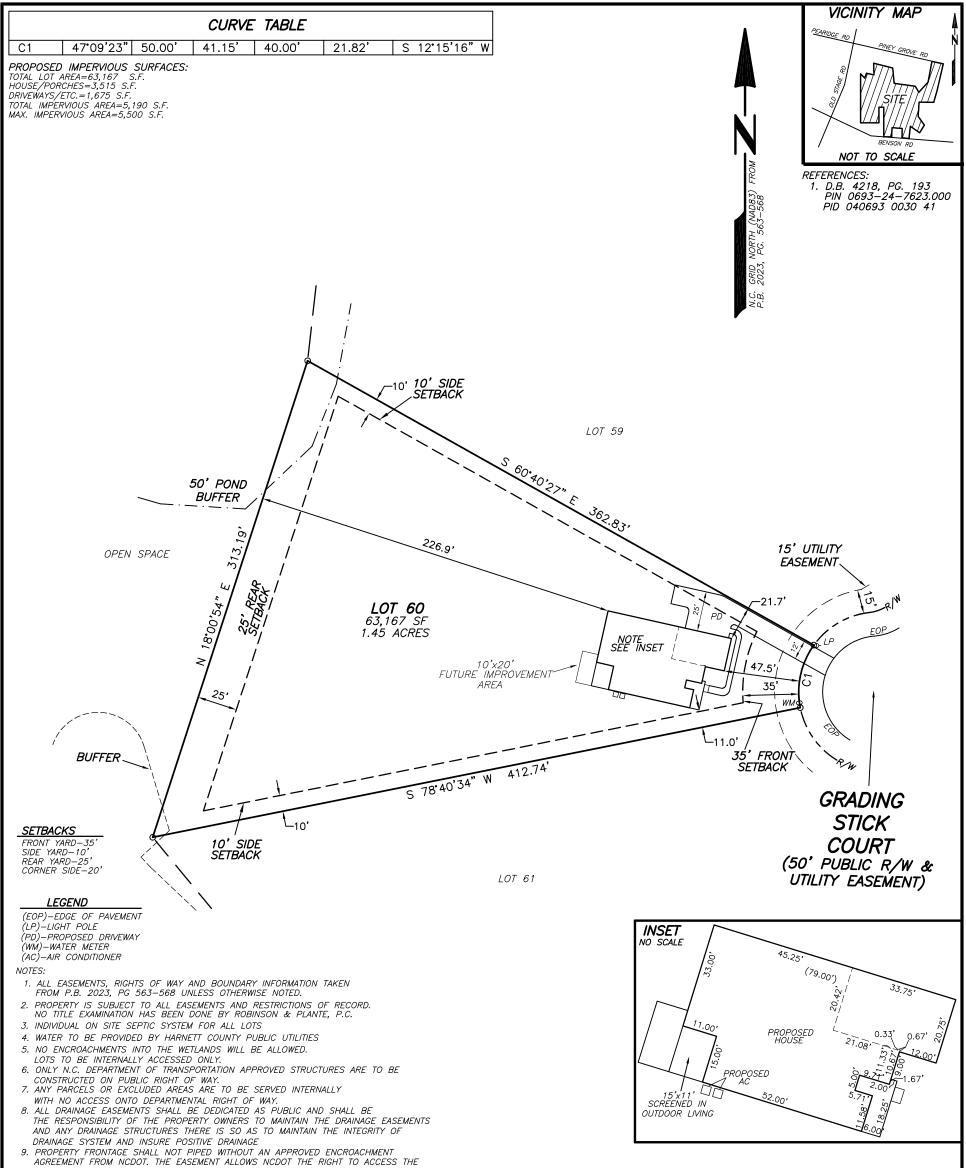
Alex Adams NC Licensed Soil Scientist #1247 AOWE Certification: 10021E









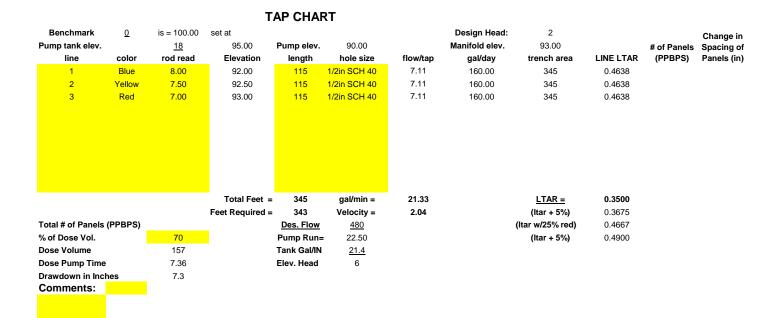


AGREEMENT FROM NCDOT. THE EASEMENT ALLOWS NCDOT THE RIGHT TO DRAINAGE EASEMENTS AND PERFORM WORK IT DEEMS NECESSARY OR P TO ALLEVIATE ANY ISSUES JEOPARDIZING THE INTEGRITY OF THE ROADW, PRELIMINARY PLAT- NOT FOR RECORDATION, CONVEYANCE, OR SALE	RUDENT AY.	survey for DREES HOMES
LOT 60 TOBACCO ROAD SUBDIVISION PHASE 1 & 3 19 GRADING STICK COURT HARNETT COUNTY ANGIER, NC 27501		0 60' 120' 180' GRAPHIC SCALE
REFERENCE: PLAT BOOK_2023_PAGE563-56	<u>8</u>	FILE: TBRDLOT60PP
I CERTIFY THAT THIS MAP WAS DRAWN		
UNDER MY SUPERVISION FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION DESCRIPTION RECORDED IN <u>REFERENCES AS SHOWN;</u> 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). THISDAY OF, 2024.	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

Lot 60 Tobacco Road PRESSURE MANIFOLD DESIGN -Initial

Dree	es Hom	es								
# of BDR:	<u>4</u>	Daily Flow:	<u>480</u>	gal/day	L.T.A.R.:	<u>0.3500</u>	gal/day/sq.ft			
Septic Tank:	<u>1000</u>	gals	Pump Tank:	<u>1000</u>	gals	Sq. Foot:	<u>1035</u>	System Type:	<u>Accepted</u>	
Number of Tap	s:	<u>3</u>	Length of	Trenches	<u>345</u>	ft(See Tap	Chart for Deta	ails)		
Depth of Trend	hes:	<u>18</u>	in	Man	ifold Length:	<u>36</u>	in			
Manifold Diam	eter:	<u>4in sch 80pv</u>	<u>'C</u>	Tap Conf	iguration: 6 i	n spacing	<u>1</u>	side(s) of man	nifold	
Supply Line: le	ength:	<u>75</u>	ft		Diameter:	<u>2</u>	in sch 40pvo	;		
Friction Loss +	Fitting	g Loss:	<u>1.61</u>	ft(supply	line length +	70' for fittin	igs in pump ta	ink)		
Design Head:		<u>2</u>	ft	Elevation	Head:	<u>6</u>	ft			
Total Head:	<u>9.61</u>	ft		Pun	np to Deliver:	<u>21.33</u>	gals/min at	<u>9.61</u>	ft head	
Dosing Volume	e:	<u>157</u>	gals,							
Drawdown:	157	gals divided	l by	<u>21.4</u>	gals/in =	<u>7.3</u>	inches			

Simplex Control Panel required; elapsed time meter and cycle counter required; Floats to be determined by type of pump tank used. A septic tank filter is required.



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: 19 Grading Stick Angier, NC, 27501 WATER SUPPLY: Public Water EVALUATION METHOD: Auger Boring TYPE OF WASTEWATER: Sewage

APPLICATION DATE: DATE EVALUATED: 08/19/2024 PROPERTY SIZE: 1.45 Acres

P R O F I L	.1940 LANDSCAPE	HORIZON		RPHOLOGY 1941)	FA				
E #	E POSITION/ DEPTH		.1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	.1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
		0-22	GR/SL	VFR,NS,NP,SEXP	N.O	36"	N.O	N.O	P.S .35
1	Slope/3%	22-36	SBK/SCL	FR,SS,SP,SEXP					
		0-12	GR/SL	VFR,NS,NP,SEXP	7.5 yr 7/2	34"	N.O	N.O	U/P.S/.35
	Slope/3%	12-34	SBK/SCL	FR,SS,SP,SEXP	@ 34"				
2									
		0-30	GR/SL	VFR,NS,NP,SEXP	N.O	36"	N.O	N.O	P.S/.35
	Slope/3%	30-36	SBK/SCL	FR,SS,SP,SEXP					
3									
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM	OTHER FACTORS (.1946):
Available Space (.1945)	S	S	SITE CLASSIFICATION (.1948): U/PS
System Type(s)	Type III B	Type III B	EVALUATED BY:A. Adams OTHER(S) PRESENT:
Site LTAR	0.35	0.35	

ACORD®	CERTIFICATE OF LIABILITY INSURANCE						DATE (MM/DD/YYYY) 1/17/2024		
THIS CERTIFICATE IS ISSUED AS A CERTIFICATE DOES NOT AFFIRMA BELOW. THIS CERTIFICATE OF IN REPRESENTATIVE OR PRODUCER	TIVELY C	R NE	GATIVELY AMEND, EXTER	ND OR	ALTER THE C	OVERAGE A	FFORDED BY THE POI	ICIES	3
IMPORTANT: If the certificate hold the terms and conditions of the po certificate holder in lieu of such en	icy, certa	in pol							
PRODUCER		-(-)-		CONTAG	T Angela	Sensenig			
Wade Associates, LLC				PHONE (A/C, No	(252)	631-5269	FAX (A/C No)	: (252)649	9-2443
250 Pollock St.				E-MAIL	_{SS:} asensen:	ig@wadeict	.com	•	
				ADDICE			DING COVERAGE		NAIC #
New Bern NC	28560				RA:Markel	• •			38970
INSURED				INSURE		11104141100	company		50570
Alex Adams, DBA: Adams Soil	Consul	ting		INSURE					
1676 Mitchell Rd.		-		INSURE					
				INSURE					
Angier NC	27501			INSURE					
COVERAGES	CERTIFI	CATE	NUMBER: 24-25	INSORE	KT .		REVISION NUMBER:		
THIS IS TO CERTIFY THAT THE POLICI INDICATED. NOTWITHSTANDING ANY CERTIFICATE MAY BE ISSUED OR MAY EXCLUSIONS AND CONDITIONS OF SU	REQUIREN PERTAIN,	IENT, THE I	TERM OR CONDITION OF AN NSURANCE AFFORDED BY T	NY CONT THE POL	RACT OR OTH	HER DOCUMEI BED HEREIN I	NT WITH RESPECT TO WH	IICH THIS	
INSR	ADDI	SUBR		ENRED	POLICY EFF	POLICY EXP			
LTR TYPE OF INSURANCE	INSD	WVD	POLICY NUMBER		(MM/DD/YYYY)	(MM/DD/YYYY)			
							EACH OCCURRENCE DAMAGE TO RENTED	\$	
CLAIMS-MADE OCCUR							PREMISES (Ea occurrence)	\$	
							MED EXP (Any one person)	\$	
							PERSONAL & ADV INJURY	\$	
GEN'L AGGREGATE LIMIT APPLIES PER:							GENERAL AGGREGATE	\$	
							PRODUCTS - COMP/OP AGG	\$	
OTHER:							COMBINED SINGLE LIMIT	\$	
							(Ea accident)	\$	
ANY AUTO							BODILY INJURY (Per person)	\$	
ALL OWNED SCHEDULEE AUTOS AUTOS NON-OWNEI							BODILY INJURY (Per accident		
HIRED AUTOS AUTOS	,						PROPERTY DAMAGE (Per accident)	\$	
								\$	
							EACH OCCURRENCE	\$	
EXCESS LIAB CLAIMS-	MADE						AGGREGATE	\$	
DED RETENTION \$								\$	
WORKERS COMPENSATION AND EMPLOYERS' LIABILITY	Y/N						PER OTH- STATUTE ER		
ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED?							E.L. EACH ACCIDENT	\$	
(Mandatory in NH) If yes, describe under							E.L. DISEASE - EA EMPLOYEE	\$	
If yes, describe under DESCRIPTION OF OPERATIONS below							E.L. DISEASE - POLICY LIMIT	\$	
A Errors & Omissions			ME01118-06		1/31/2024	1/31/2025	General Aggregate		\$1,000,000
							Each Occurrence		\$1,000,000
DESCRIPTION OF OPERATIONS / LOCATIONS / VE	HICLES (AC	 ORD 10	∐ 01, Additional Remarks Schedule, m	nay be atta	iched if more spa	ce is required)			
									
CERTIFICATE HOLDER				CANC	ELLATION				
*FOR INFORMATIONAL P XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	xxxxxx	xxxx	:	THE	EXPIRATION D	DATE THEREOF	SCRIBED POLICIES BE CA F, NOTICE WILL BE DELIVE Y PROVISIONS.		D BEFORE
*****					RIZED REPRESEN		۸۱ ت.	\mathcal{A}	
				N Whi	tsett/RAC		N. Lee	w)	
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