

## 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> <u>Repair</u> <u>Relocation</u> <u>Relocation of Repair</u> Area
Owner or Legal Representative Information: James RumleyName: Caruso HomesMailing address: 110 Horizon Drive - Suite 320 City: Raleigh State: NC Zip: 27615Phone: 240-886-3229Email: jrumley@carusohomes.com
Authorized Onsite Wastewater Evaluator Information:Name: Alex AdamsCertification #: AOWE# 10021EMailing address: 1676 Mitchell RoadCity: AngierState: NCPhone: 919-414-6761Email: alexadams@bcsoil.com
Site Location Information: Site address: Lot #19 (Magnolia Acres) 11 Little Gem Ln - Fuquay-Varina NC 27501 Tax parcel identification number or subdivision lot, block number of property: PIN# 0623-92-7758 County: Harnett
System Information: Accepted Status    Wastewater System Type: Type III (b)    Daily Design Flow: 360 gallons/day    Saprolite System:YesX_No    Subsurface Operator Required:YesX_No    Water Supply Type:Private WellX_Public Water Supply SpringOther:
Facility Type:   X_Residential3_# Bedrooms6_ 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 10th day of April 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>10 day of April 2030</u> .
Signature of Authorized Onsite Wastewater Evaluator: <u>Xlex</u> Hormonic Signature of Owner or Legal Representative: <u>James Rumley</u>
Disclosure: The owner may apply for a building permit for the project upon submitting a complete NOI to Construct and the fee 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

April 10, 2025 Project #2110

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

RE: Magnolia Acres -Lot #19 – 11 Little Gem Ln. – Fuquay-Varina, NC - 3-bedroom Single Family Residence (PIN# 0623-92-7758)

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 360 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 360 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.

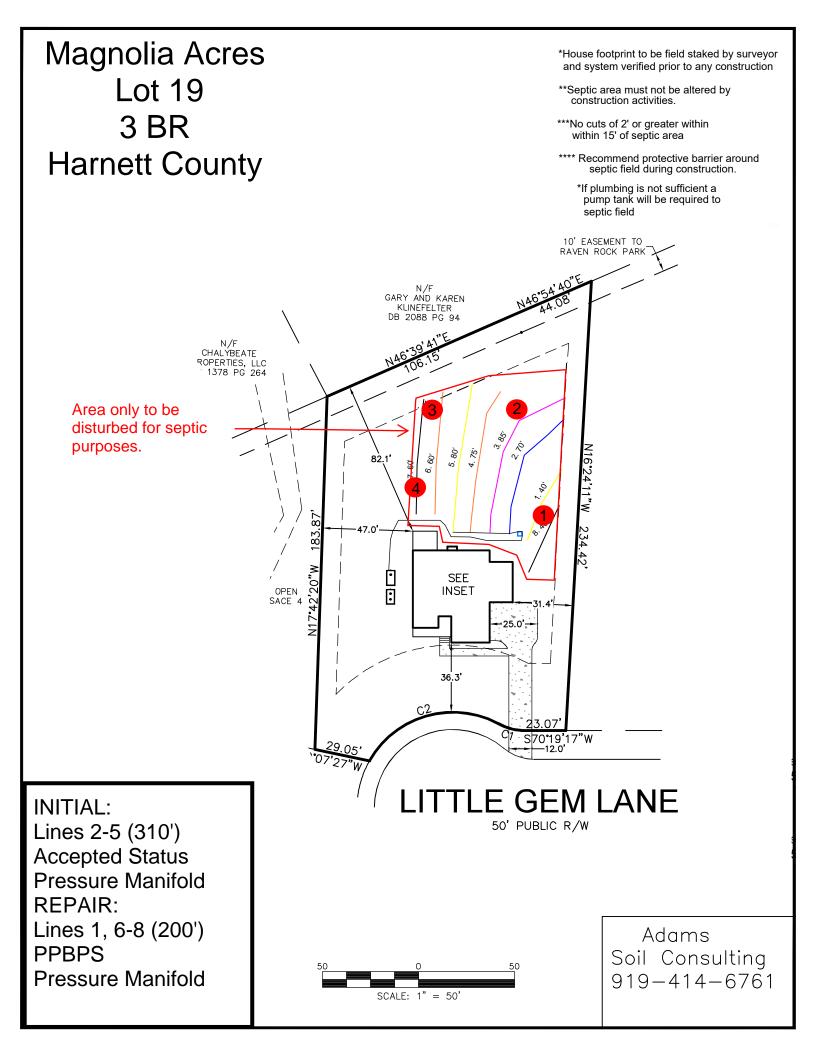
If you have any questions regarding the findings on the attached site plan or in this report, please feel free to contact me anytime.

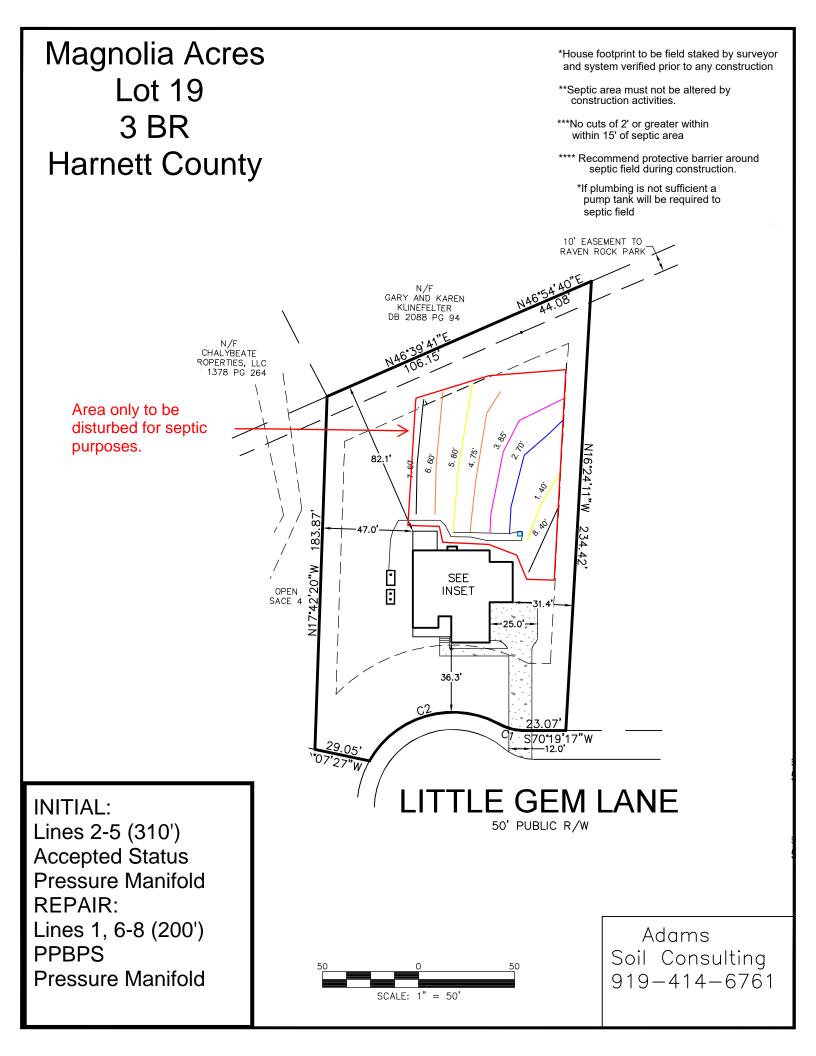
Sincerely,

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





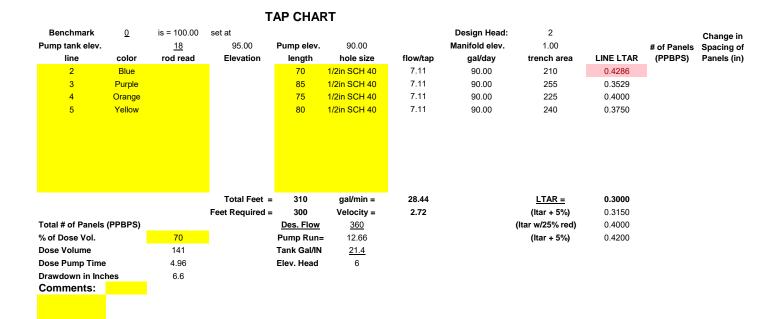




### Lot 19 Magnolia Acres PRESSURE MANIFOLD DESIGN -Initial

Caruso Hor	nes								
# of BDR: <u>3</u>	Daily Flow:	<u>360</u>	gal/day	L.T.A.R.:	<u>0.3000</u>	gal/day/sq.ft	t		
_	•								
Septic Tank: 1000	gals	Pump Tank:	1000	gals	Sq. Foot:	930	System Type:	Accepted	
<u></u>	94.0	· •		94.0		<u></u>	e)e.e	<u></u>	
Number of Tener	4	I on ath of	Tranchas	210	#/See Ten	Chart for Date	nilo)		
Number of Taps:	<u>4</u>	Length of	Trenches:	<u>310</u>	n(See Tap	Chart for Deta	ans)		
						_			
Depth of Trenches:	<u>12</u>	in	Mani	ifold Length:	<u>42</u>	in			
Manifold Diameter:	4in sch 80pv	<u>c</u>	Tap Confi	iguration: 6 in	spacing	<u>1</u>	side(s) of mar	nifold	
		_	-	-			.,		
Supply Line: length:	120	ft		Diameter:	2	in sch 40pvo	•		
Supply Line. length.	120			Diameter	<u> </u>		•		
Frietien Less - Fittin		2 50	ft/aumplu/	line length .	701 fan fittin				
Friction Loss + Fittin	g Loss:	<u>3.59</u>	n(supply	line length +	TO TOP HELIN	igs in pump ta	ink)		
	_				-				
Design Head:	<u>2</u>	ft	Elevation	Head:	<u>6</u>	ft			
Total Head: <u>11.59</u>	ft		Pum	p to Deliver:	28.44	gals/min at	<u>11.59</u>	ft head	
				-		•			
Dosing Volume:	141	gals,							
Decing tolulle.	<u></u>	gaio,							
Drawalawara 444	مروا مراكبة مراجع	. I	04.4		0.0				
Drawdown: 141	gals divided	р	<u>21.4</u>	gals/in =	<u>6.6</u>	inches			

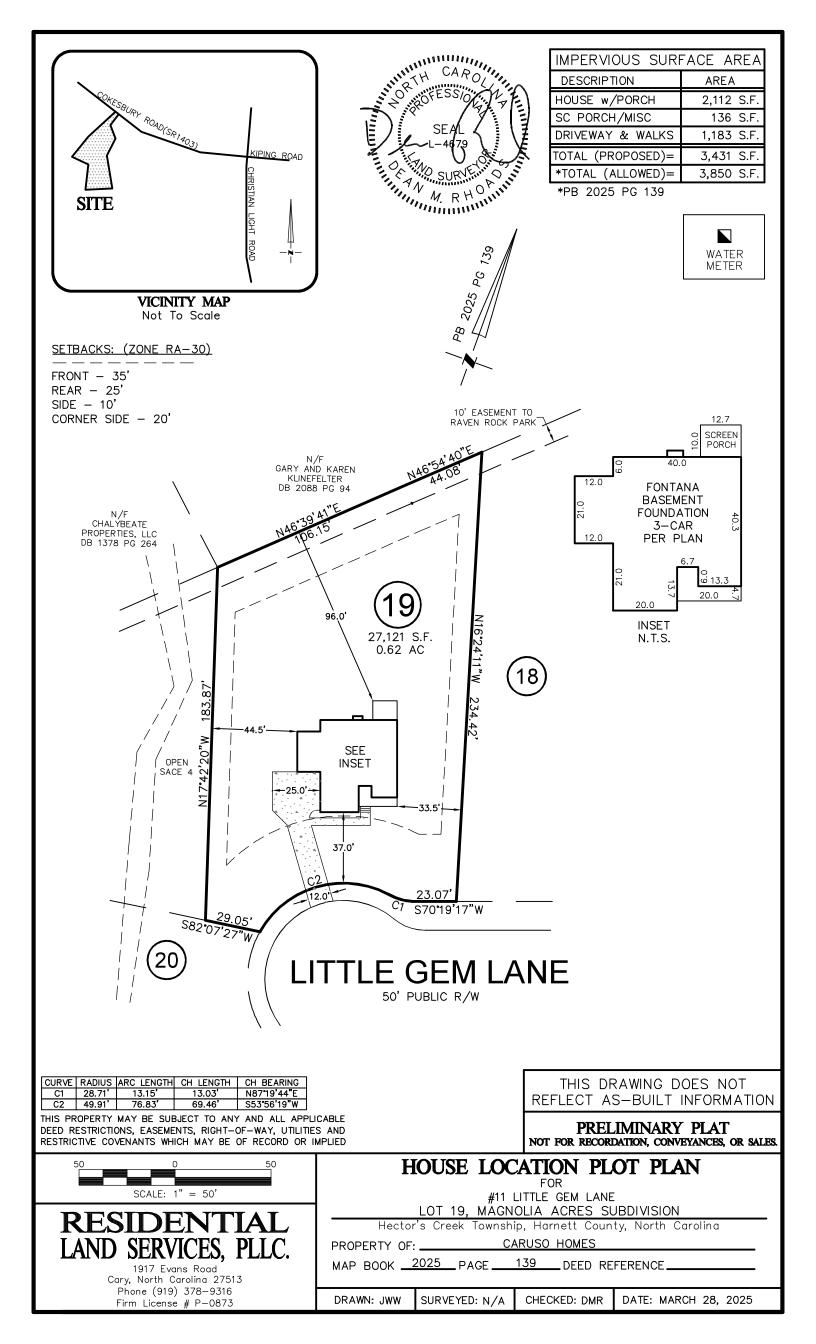
Simplex Control Panel required; elapsed time meter and cycle counter required; Floats to be determined by type of pump tank used. A septic tank filter is required.



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

	R: Caruso H	lomes		(Complete all f	DATE EVALUATED:4/10/2025					
LOCA	DSED FACILITY	11 Little Gem	n Way, Fuquay V				PROPE	RTY REC	E:62 A ORDED:	Y
			$\frac{\text{gle Family Well}}{\text{r Boring}} \square \text{Pit}$	□ Shared Well □ □ Cut TY	Spring $\Box$ Oth PE OF WASTE				_	
P R O F I			SOIL MO	RPHOLOGY	OTHE	R PROFII	LE FACTO	DRS		
L E #	.0502 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	.0503 STRUCTURE/ TEXTURE	.0503 CONSISTENCE/ MINERALOGY	.0504 SOIL WETNESS/ COLOR	.0505 SOIL DEPTH	.0506 SAPRO CLASS	.0507 RESTR HORIZ	.0509 PROFILE CLASS & LTAR*	.0502(d) SLOPE CORRE CTION
		0-35	GR/LS	VFR,SEXP,NS						
	Shoulder	35-48	M Sap	Fr,SEXP,NS		35"	SL Sap	N.O		3"
1	8%				N.O	35	35-48	N.O	U/P.S .3	3
		0.14								
		0-14	GR/LS	VFR,SEXP,NS Fr,SEXP,NS						
$ _2$	Shoulder	14-39	M Sap	TI,SEAF,NS	N.O	14"	SL Sap	N.O	U/P.S .3	3"
	8%					14	14-39	11.0	.3	
		0-8	GR/SL	VFR,SEXP,NS						
	Linear	8-34	Wk C	FI, S, Sexp		o ("			U/P.S	
3	19%				N.O	34"	N.O	N.O	.3	7"
		0-8	GR/SL	VFR,SEXP,NS						
		8-36	Wk C	FI, S, Sexp	N.O	36"	N.O	N.O	P.S .3	7"
4	Linear 19%						IN.O		1.0.5	

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM	
Available Space (.0508)	S	S	SITE CLASSIFICATION (.0509): U/P.S
System Type(s)	III B	III B	EVALUATED BY: Bobby Weaver/Alex Adams
Site LTAR	.3	.3	OTHER(S) PRESENT:
Maximum Trench Depth	12"	12"	
Comments:			



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 CONTACT Angela Sensenig											
Wade Associates, LLC				PHONE (A/C, No	Ext). (252)	631-5269	FAX (A/C, No): (252)649	-2443			
250 Pollock St.		s: asensen:	senig@wadeict.com								
							DING COVERAGE	NAIC #			
New Bern NC	28560			INSURE	RA: Lloyd's	s of Londo	n	A1122J			
INSURED				INSURE							
Alex Adams, DBA: Adams Soil (	Consulti	ing		INSURE							
1676 Mitchell Rd.				INSURE							
				INSURE	RE:						
Angier NC	27501			INSURE	RF:						
COVERAGES C	ERTIFIC	ATE	NUMBER: 25-26				REVISION NUMBER:				
THIS IS TO C RTI Y THAT TH POLICI				N ISS	TO TH IN		ABO OR TH POLICY P RIO				
IN ICAT . NOT ITHSTAN IN ANY R C RTI ICAT AY B ISS OR AY F CL SIONS AN CON ITIONS O S C		'H IN		H POL	ICI S SCRI		NT ITH R SP CT TO HICH THIS ISSBCT TO ALL TH T R S	2			
INSR LTR TYPE OF INSURANCE	ADDL S		POLICY NUMBER		POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS				
COMMERCIAL GENERAL LIABILITY							ACH OCC RR NC				
CLAI S- A OCC R							A A TOR NT PR IS S ( a occurrence)				
							P (Any one person)				
							P RSONAL A IN RY				
N'LA R AT LI ITAPPLI SP R:							N RALA R AT				
POLICY PRO- CT LOC							PRO CTS-CO P/OPA				
OTH R:											
AUTOMOBILE LIABILITY							CO BIN SIN L LI IT ( a accident)				
ΑΝΥΑ ΤΟ							BO ILY IN RY (Per person)				
ALL O N SCH L A TOS A TOS							BO ILY IN RY (Per accident)				
HIR A TOS A TOS							PROP RTY A A (Per accident)				
UMBRELLA LIAB OCC R							ACH OCC RR NC				
EXCESS LIAB CLAI S-	4						A R AT				
R T NTION											
WORKERS COMPENSATION AND EMPLOYERS' LIABILITY							P R OTH- STAT T R				
							.L. ACH ACCI NT				
O IC R/ B R CL (Mandatory in NH)							.L. IS AS - A PLOY				
If yes describe under SCRIPTION O OP RATIONS below							.L. IS AS - POLICY LI IT				
A Errors & Omissions			PSN0040221161		1/31/2025	1/31/2026	ach Occurrence	\$1,000,000			
							eneral Aggregate	\$1,000,000			
DESCRIPTION OF OPERATIONS / LOCATIONS / VEH	ICLES (ACO	RD 101	I, Additional Remarks Schedule, m	ay be atta	ched if more spa	ce is required)					
1											
				CANC							
CERTIFICATE HOLDER CANCELLATION											
*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.							
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx					AUTHORIZED REPRESENTATIVE						
				N Whitsett/RACHEL N Red W							