

North Carolina Onsite Wastewater Contractor Inspector Certification Board Authorized Onsite Wastewater Evaluator Permit Option for Non-Engineered Systems Notice of Intent (NOI) to Construct

New ExpansionRepair RelocationRelocation of Repair Area
Owner or Legal Representative Information: Name: Michael and Laurie Smith Mailing address: 784 Gentry Rd City: Erwin State: NC Zip: 28339 Phone: 910-818-4122 Email: mlsplumbing@hotmail.com
Authorized Onsite Wastewater Evaluator Information: Name: Hal Owen Certification #: 10036E Mailing address: PO Box 400 City: Lillington State: NC Zip: 27546 Phone: 910-893-8743 Email: hal@halowensoil.com
Site Location Information: Site address: 784 Gentry Rd, Erwin, NC 28339 Tax parcel identification number or subdivision lot, block number of property: PIN 0587-62-2735.000, Genesis Farms SD, Lot 8 County: Harnett
System Information: Wastewater System Type: IIIbg (Pump to Accepted Status 25% reduction) Daily Design Flow: 360 gpd Saprolite System: Yes X No Subsurface Operator Required: Yes X No Water Supply Type: X Private Well Public Water Supply Spring Other:
Facility Type: X Residential 3 # Bedrooms 6 Maximum # of Occupants Business Type of Business and Basis for Flow: Public Assembly Type of Public Assembly and Basis for Flow:
Required Attachments: V Plat or Site Plan V Evaluation of Soil and Site Features by Licensed Soil Scientist
Attest: On this the 8 day of July , 2024 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 8 day of July , 2029 . Signature of Authorized Onsite Wastewater Evaluator:
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 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:



OP ID: TOW

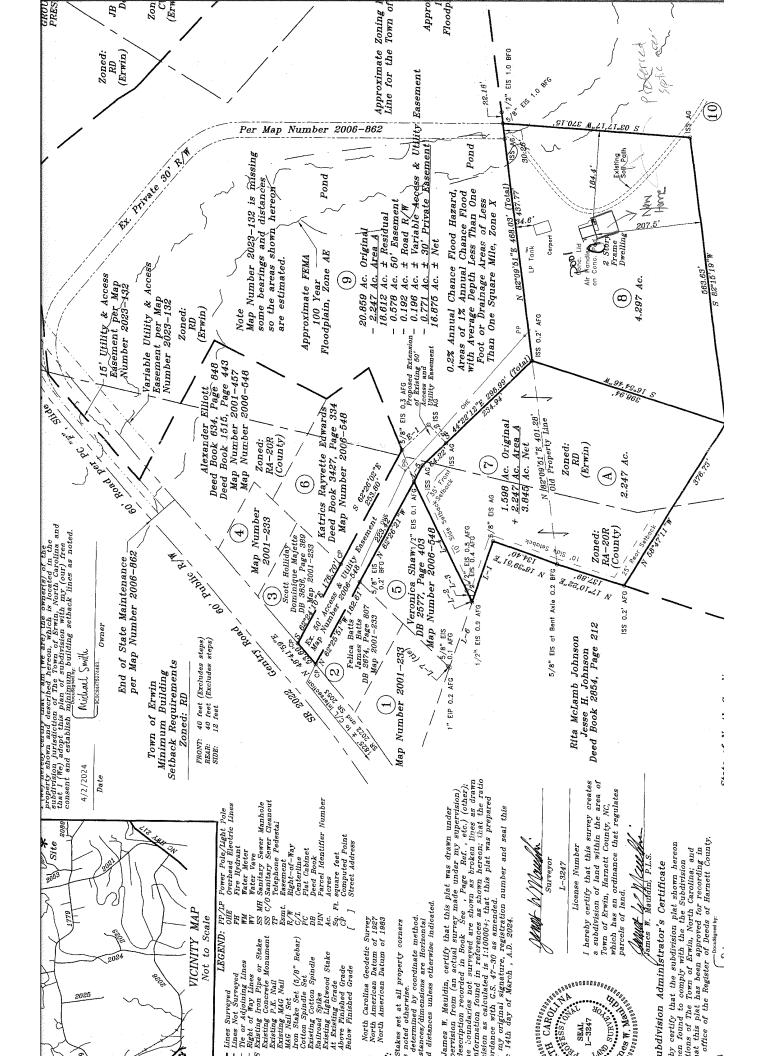
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CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 07/08/2024

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.

lf	SUBROGATION IS WAIVED, subject nis certificate does not confer rights to	to th	ne te	rms and conditions of th	e polic	y, certain p	olicies may				
	DUCER	, tile		0-893-5707	CONTA	CT SHARON	N WOODY				
INS	URANCE SERVICE CTR -LILLING LINGTON BRANCH OFFICE				PHONE	o, Ext): 910-89	93-5707		FAX (A/C, No):	910-89	93-2077
PO	Box 1565				E-MAIL	SS. SWOOD	Y@ISCFAY	.COM	(20, 110).		
	LINGTON, NC 27546 NIEL L. BABB				ADDICE			DING COVERAGE			NAIC #
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HAL PO	IRED . OWEN & ASSOCIATES, INC. BOX 400				INSURE						
	INGTON, NC 27546				INSURE						
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CO	VERAGES CER	TIFIC	CATE	E NUMBER:				REVISION NUI	MBFR:		
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INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER		POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)		LIMITS	3	
	COMMERCIAL GENERAL LIABILITY							EACH OCCURREN		\$	
	CLAIMS-MADE OCCUR							DAMAGE TO RENT PREMISES (Ea occ	ED urrence)	\$	
								MED EXP (Any one	person)	\$	
								PERSONAL & ADV	INJURY	\$	
	GEN'L AGGREGATE LIMIT APPLIES PER:							GENERAL AGGRE	GATE	\$	
	POLICY PRO- JECT LOC							PRODUCTS - COM	P/OP AGG	\$	
	OTHER:									\$	
	AUTOMOBILE LIABILITY							COMBINED SINGLI (Ea accident)	ELIMIT	\$	
	ANY AUTO							BODILY INJURY (P	er person)	\$	
	OWNED SCHEDULED AUTOS							BODILY INJURY (P	er accident)	\$	
	HIRED AUTOS ONLY NON-OWNED AUTOS ONLY							PROPERTY DAMA (Per accident)		\$	
	70700 01121									\$	
	UMBRELLA LIAB OCCUR							EACH OCCURREN	CE	\$	
	EXCESS LIAB CLAIMS-MADE							AGGREGATE		\$	
	DED RETENTION\$									\$	
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY							PER STATUTE	OTH- ER		
	ANY PROPRIETOR/PARTNER/EXECUTIVE	N/A						E.L. EACH ACCIDE	NT	\$	
	(Mandatory in NH)	N/A						E.L. DISEASE - EA	EMPLOYEE	\$	
	If yes, describe under DESCRIPTION OF OPERATIONS below							E.L. DISEASE - PO	LICY LIMIT	\$	
Α	PROFESSIONAL LIAB.			42ESP00143901		01/27/2024	01/27/2025	PER OCC.			1,000,000
								AGGREGATE			2,000,000
DES	CRIPTION OF OPERATIONS / LOCATIONS / VEHICL	ES (A	ACORE	D 101, Additional Remarks Schedu	le, may b	e attached if moi	re space is requir	ed)			
CF	RTIFICATE HOLDER				CANO	ELLATION					
	MICHAEL & LAURIE SMIT 784 GENTRY RD ERWIN, NC 28339	Ή			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						
						Taylor Wal	iace				



#	Issue date 7	/4/2024
	Expiration 7	/4/2029

APPLICANT INFORMATION

Name	Michael and Laurie Smith		
Mailing Address	784 Gentry Rd, Erwin, NC 28339		
E-mail Address	mlsplumbing@hotmail.com	Telephone Number	910-818-4122

PROPERTY IDENTIFIERS

County	Harnett	PIN	0587-62-2735.000
Size (Acre)	4.30	County PID	
Site Address	784 Gentry Rd, Erwin, NC 28339		
S/D Name and Lot#	Genesis Farms, Lot 8		

PROJECT INFORMATION

Wastewater System	New		.0403 Eng Low Flow	No
Wastewater Strength	Domestic		Effluent Standard	DSE
Facility Type	Residential		Water Supply	Private Well
Design Wastewater Flow	360	gpd	gal/unit	120
Basis for Flow	3	bedrooms	max occupancy	6
Basement	No		Fixtures in basement?	No
Crawl Space	No		Slab Foundation	Yes

CONSULTANT INFORMATION

Company Name	Hal Owen & Associates, Inc.		
Mailing Address	PO Box 400, Lillington, NC 27546		
E-mail Address	hal@halowensoil.com	Telephone Number	910-893-8743
Licensed Soil Scientist	Britt Wilson, LSS#1351	AOWE	Hal Owen, #10036E

A soil and site evaluation has been conducted for the referenced property for the purpose of permitting a subsurface wastewater system. This evaluation was prepared based on information provided by the applicant to include the basis for design flow, proposed structure location(s), and property boundaries. Any false, inaccurate, or incomplete information provided by the applicant, owner, or legal representatives may result in denial or revocation of applications, approvals, or permits.

This AOWE Evaluation is being submitted pursuant to and meets the requirements of G.S.130A-336.2. This evaluation includes a soil and site evaluation, specifications, plans, and reports for the site layout and construction of a proposed onsite wastewater system by an Authorized On-Site Wastewater Evaluator (AOWE). The evaluation of soil conditions and site features is provided in accordance with G.S. 130A-335(e), the Rules for "Wastewater Treatment and Dispersal Systems", 15A NCAC 18E, and local septic regulations (if any). This report represents my professional opinion as a Licensed Soil Scientist and Authorized Onsite Wastewater Evaluator.







WASTEWATER SYSTEM DESIGN SPECIFICATIONS

Proposed Design Daily Flow	360	gpd	Drainfield Meeets Req	uirements:
Septic Tank Size (minimum)	1000	gallons	allons .0508 Available Space	
Pump Tank Size (minimum)	1000	gallons, if required	.0601 Setbacks	Yes

Initial System

IIIbg –Pump to	Other non	-convention	al syst	ems			
Yes			9.0	ft TDH at	25.0	GPM	
Accepted (25%	reduction) System					
	0.60	gal/day/ft ²		Sapro	lite System	No	
d Length	150	feet			Fill System	No	
	9	ft on center					
to LC	48	inches					
Maximum Trench Depth			inches, measured on downhill side of trench				
Minimum Soil Cover 6							
e Required	No						
	Yes Accepted (25% d Length to LC n Depth	Yes Accepted (25% reduction 0.60 d Length 150 9 t to LC 48 n Depth 24 ver 6	Yes Accepted (25% reduction) System 0.60 gal/day/ft² d Length 150 feet 9 ft on center 1 to LC 48 inches n Depth 24 inches, meaning ver 6 inches	Yes 9.0 Accepted (25% reduction) System 0.60 gal/day/ft² d Length 150 feet 9 ft on center in to LC 48 inches in Depth 24 inches, measured ver 6 inches	Accepted (25% reduction) System 0.60 gal/day/ft² Saproduction) d Length 150 feet 9 ft on center a to LC 48 inches n Depth 24 inches, measured on downhill inches	Yes 9.0 ft TDH at 25.0 Accepted (25% reduction) System 0.60 gal/day/ft² Saprolite System d Length 150 feet Fill System 9 ft on center 1 to LC 48 inches n Depth 24 inches, measured on downhill side of treatment ver 6 inches	

Repair System

System Type:	IIIbg –Pump to	Other no	n-conventional systems	1			
Pump Required	Yes				•		
Trenches:	Accepted (25%	reduction	n) System				
Design LTAR		0.50	gal/day/ft²	Sapro	lite System	No	
Total Trench/ Bed Length		180	feet		Fill System	No	
Trench Spacing		9	ft on center				
Usable soil depth	to LC	48	inches				
Maximum Trench Depth of		24	inches, measured on downhill side of trench				
Minimum Soil Co	ver	6	inches				

Potential Drainlines flagged at site on 9-ft centers.

		Relative	Drainline	Field		
Line #	Color	Elevation (ft)	Length(ft)	Length(ft)		_
1	W	98.65	90	91]	Repai
2	Υ	97.72	90	95]]	æ
3	R	97.08	75	97	 	<u>ia</u>
4	В	96.56	75	92	IJ	Initia
Septic 1	Tank:	99.21				
Pump T	ank:	99.21				
Reference	e Elev:	100.00	Notes:			

^{*}No grading or removal of soil in initial or repair areas

^{*}Property lines per owner

^{*}Trench bottoms shall be level to +/- 1/4" in 10ft

^{*}All parts of septic system must meet minimum setbacks

PERMIT CONDITIONS

The requirements of 15A NCAC 18E are incorporated by reference into this permit and shall be met.

System shall be installed in accordance with the attached Wastewater System Design Specifications. See attached SYSTEM LAYOUT for wastewater system design and location.

Any changes to the site plan or intended use must be approved by Hal Owen & Associates. Permit modification and resubmittal to the LHD may be necessary to ensure regulatory compliance.

Conformance to all regulatory setbacks shall be maintained. Local regulations (such as well or riparian buffer ordinances) may require more stringent setbacks than specified in the septic regulations.

Minimum soil cover of six inches shall be established over dispersal field. Soil cover above the original grade shall be placed at a uniform depth over the entire dispersal field and shall extend laterally five feet beyond the dispersal trench. Site shall be graded to shed water away from field and a vegetative cover established to prevent erosion.

The dispersal field and repair area shall not be subject to vehicular traffic. Vehicular traffic can damage soils, pipes, and valve boxes. Do not use septic areas for parking.

Do not allow underground utilities, water lines, or sprinkler systems to be installed in the septic areas. Damage to the septic areas could result in the septic permit being revoked.

The wastewater system shall not be covered until inspected by Hal Owen & Associates and shall not be placed into use until an Authorization to Operate is issued.

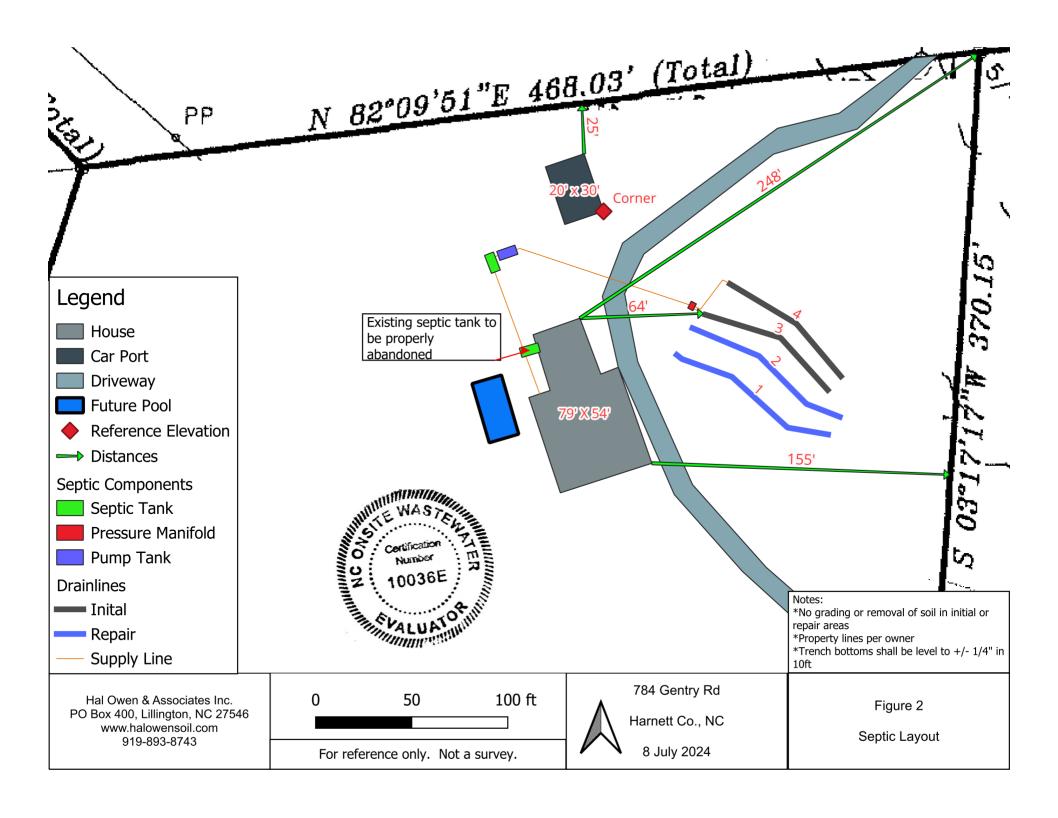
SPECIFIC REQUIREMENTS

A pre-construction conference with the septic contractor is required prior to installation. Call Hal Owen & Associates at least five days in advance to schedule 910-893-8743

The inlet and outlet of all tanks shall be equipped with an approved pipe penetration boot.

The pump tank may be eliminated if gravity distribution can be demonstrated.

The supply line from the septic tank to the drainfield will be conveyed under a driveway and shall be installed as required by .0601(h).

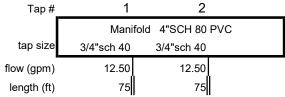


INITIAL WASTEWATER SYSTEM

Press	sure Manifo	old Design Cri	teria					
DESI	GN DAILY I	FLOW	360	gallons/day	SOIL LTAR:	0.60	gpd/ft ²	
TANKS (min) Septic Tank:		Septic Tank:		gallons	Pump Tank:	1000	- gallons	
SUPPLY LINE		Length:	90	ft	Diameter:	2	" SCH 40 F	2VC
		Minimur	m flow (gpm) to	- maintain 2fps s	cour velocity:	20.9	_ _gpm	
TREN	ICHES	Drainline Type:	Accepted (25%	reduction) Sys	tem		_	
		Maximum ⁻	Trench Depth of	24	inches, meas	sured on l	ow side of tr	ench
		Trench width:	3	_	Effective Tren	ch Width:	4	_ft
	Abs	sorption Area:	450	_ft²	Minimum Line	ear Length:	150	_ft
MAN	IFOLD		2.5	_ Diameter:	4" sch 80 pv	<u> </u>	_Elevation:	98.08
		# Taps _.	2	_Tap Configura	ition: 6in. spac	cing, 1 sid	e of manifol	d
TAP	CHART			,	_	1		1
		Relative		Tap Size/	flow/tap		LTAR	
Line	Color	Elevation	Length(ft)	Schedule	gpm	gpd/ft	(gpd/ft ²)	1
3	R	97.08	75	3/4"sch 40	12.50	2.400	0.800	1
4	В	96.56	75	3/4"sch 40	12.50	2.400	0.800	1
								1
								1
								1
								1
								1
	T	otal Drainline:	150	Total Flow:]
						rget LTAR*:		-
	P CALCULA					TAR + 5%:		-
			gallons, with Pip			-	-	t pipe
			2.94	_ Daily	Pump Run Ti	me (min):	14.40	-
			gallons ÷		_		_inches	
			99.21	-	Elevation (ft):		_	
			*Hazen Williams Fo	ormula (use supply	line length+70' fo	or fittings in	pump tank)	
	tion Head:	5.0		- .		L (TDLI)	0.00	61
Desig	ın Head:	2.0		lota	l Dynamic Hea	ad (TDH):	9.03	_ft
Dumr	to Deliver:	25.0	gpm @	9.0	ft TDH			
i uiiip	to Deliver.	25.0	урт ш	3.0	•			
NEM	۱ ۸ ۷ Simple	y Control Dan	ol with clansed t	imo motor ovo	ent counter au	ıdible and	vicible alan	m (w/
	•		el with elapsed t atic (HOA) switc					•
	-		nounted a minim	-				
	•		lounted a millin loats to be dete		-		iii oo it oi pi	anip talik.
7 9ch		•	Brantley 1000 S		Possible Se			
			Brantley 1000 c		_ Fossible Se Vol(gal):	-		20.25
		s r ump rams ssible Pump:	Diamicy 1000_1	. 201	_ von(gar). pump her			20.20
		Control Panel:				· · · · · · · · · · · · · · · · · · ·		-

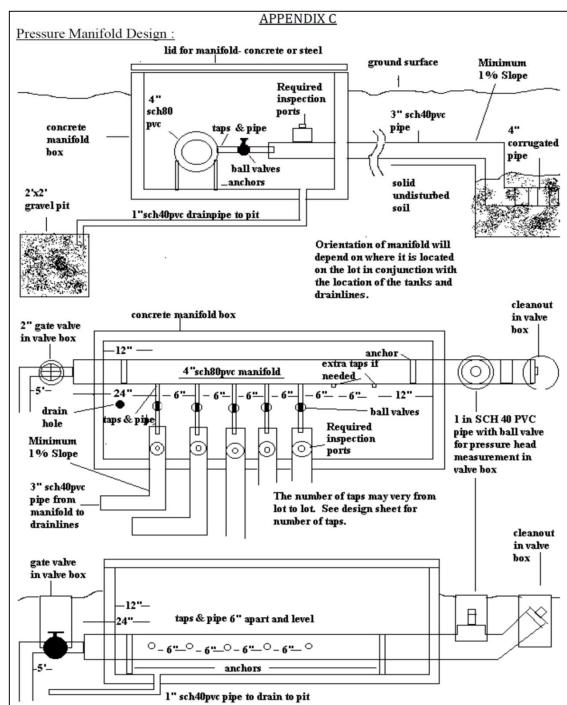
INITIAL WASTEWATER SYSTEM

Pressure Manifold Diagram



<u>Typical</u>

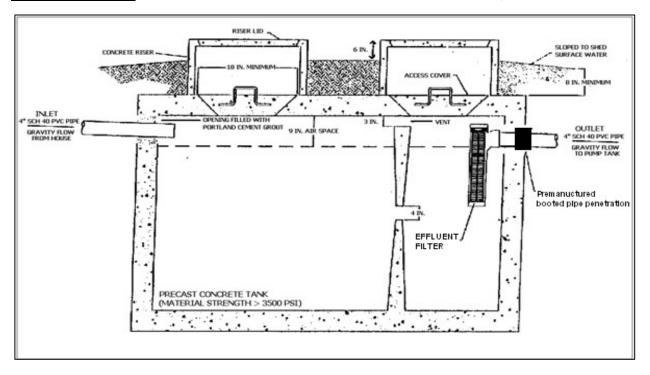
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INITIAL WASTEWATER SYSTEM

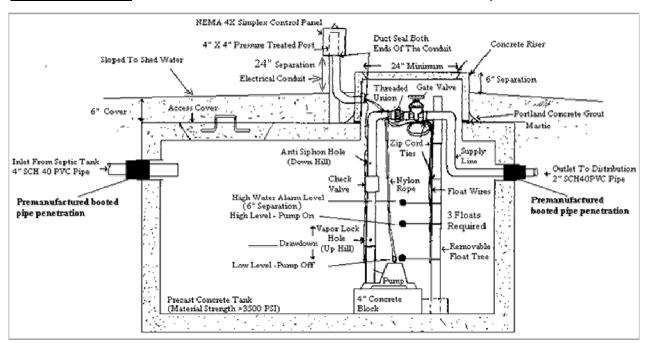
Typical Septic Tank

1000 GALLON SEPTIC TANK, minimum

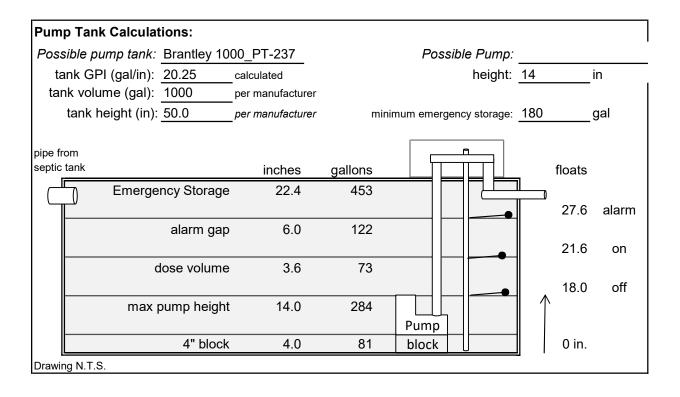


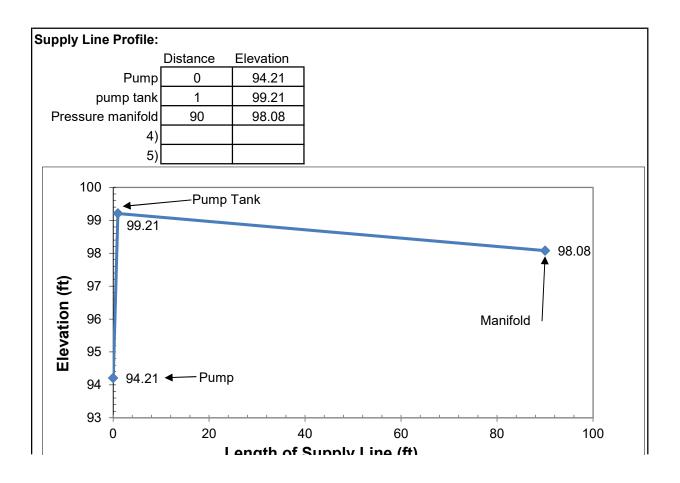
Typical Pump Tank

1000 GALLON PUMP TANK, minimum



INITIAL WASTEWATER SYSTEM





REPAIR AREA

Pressure Manifold Design Criteria

DESIGN FLOW 360 gal/day **SOIL LTAR:** 0.50 gpd/ft²

TANKS (minimum) Septic Tank: 1000 gallons Pump Tank: 1000 gallons

TRENCHES Drainline Type: Accepted (25% reduction) System

Maximum Trench Depth of 24 inches, measured on low side of trench

Trench width: 3 feet Effective Trench Width: 4 ft

bearting Area: 540 ft² Minimum Linear Length: 180 ft

Absorption Area: <u>540</u> ft² Minimum Linear Length: <u>180</u> ft

MANIFOLD # Taps ____ Tap Configuration: 6in. spacing, 1 side of manifold

Length (ft): 2.5 Diameter: 4" sch 80 pvc Elevation: 99.65

TAP CHART

Тар	Line	Line	Relative	Drainline	Tap Size/	Flow/tap	LTAR
#	Number	Color	Elevation	Length(ft)	Schedule	(gpm)	(gpd/ft ²)
1	1	W	98.65	90	3/4"sch 40	12.50	0.667
2	2	Y	97.72	90	3/4"sch 40	12.50	0.667

Total Drainline: 180 Total Flow: 25.00

Target LTAR*: 0.67

0.700

LTAR + 5%:

PUMP CALCULATIONS

Design Head (ft).

Total Flow: 25.00 gpm Design Head (ft): 2.0

Daily Pump Run Time: 14.40 min (Daily Flow/Total Flow)

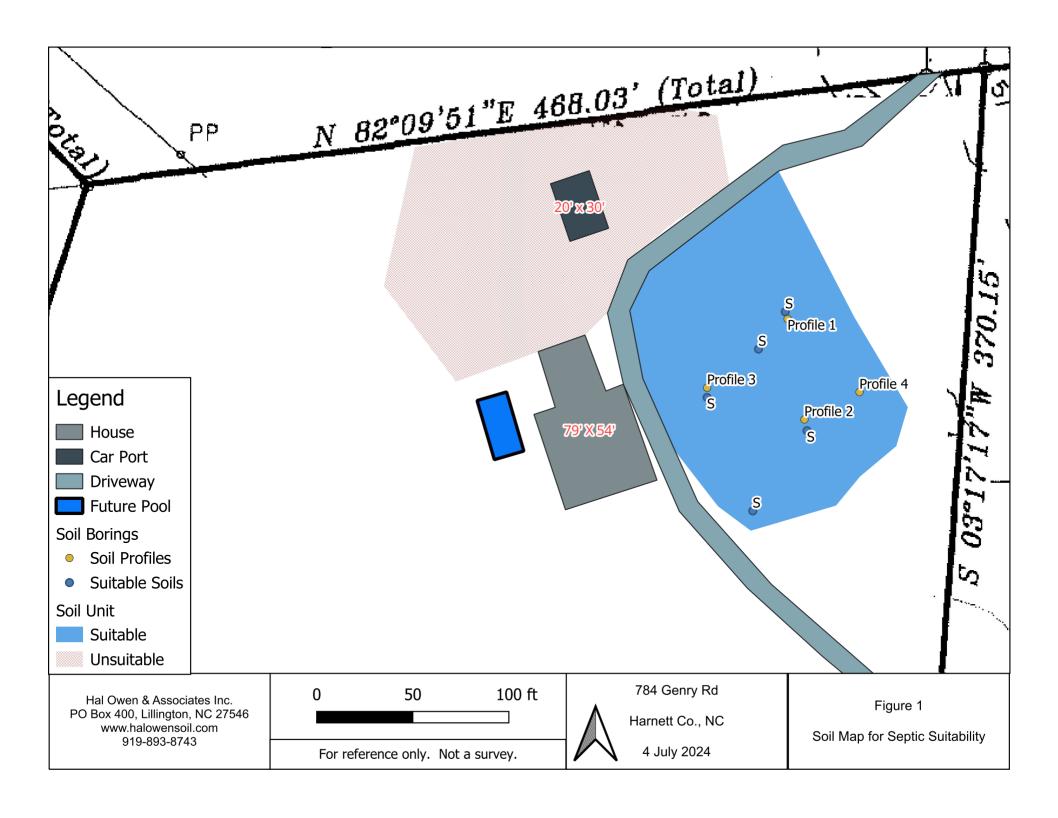
Dose Volume: 88.16 gallons with Pipe Volume at 75_____ % (65.3gal/100ft pipe)

Dose Pump Run 3.53 minutes (Dose Volume/Total Flow)

MANIFOLD DIAGRAM:

Tap#	1	2	
	4" SCH 80	PVC Manifold	
Tap Size	3/4"sch 40	3/4"sch 40	
flow (gpm)	12.50	12.50	
Line Length (ft)	90	90	

^{*} Target LTAR: Convert LTAR for non-conventional drainline types by dividing by trench length factor



Soil/Site Evaluation Form for On-Site Wastewater System

OWNER NAME:	Michael and Laurie Smith			
PROPOSED FACILITY:	Residential	DESIGN DAILY FLOW:	360	WATER SUPPLY Private Well
LOCATION OF SITE:	784 Gentry Rd, Erwin, NC	28339	PIN:	0587-62-2735.000
WASTEWATER TYPE:	Domestic		COUNTY:	Harnett
EVALUATION METHOD	: AUGER BORING	PIT		CUT 🗌
EVALUATED BY:	Britt Wilson, LSS#1351		_ DA	TE EVALUATED:
	INITIAL SYSTI	EM		REPAIR SYSTEM
AVAILABLE SPACE	450 ft ² trench botte	om	540	ft ² trench bottom
SYSTEM TYPE	Accepted (25% re	eduction) System	Acce	pted (25% reduction) System
SITE LTAR	0.60 gpd/ft ²		0.50	gpd/ft ²
MAX TRENCH DEPTH	24 inches (measu	red on downhill side)	24	inches (measured on downhill side)
SITE CLASSIFICATION	Suitable	OTHE	R FACTORS	
				

PROFILE 1

COMMENTS:

HORIZON	COLOR	CONSIS	TEXTURE	STRUCTURE	MINERA	OTHER PROFILE FACTORS	
DEPTH		TENCE			LOGY		
0-10	5YR 4/6	FR	SCL	GR	SEXP	LANDSCAPE POSITION	L
10-15	5YR 5/5	VFR	SL	GR	SEXP	SOIL WETNESS DEPTH	>48"
15-26	7.5YR 5/6	VFR	SL	GR	SEXP	SOIL WETNESS COLOR	
26-48	7.5YR 5/8	VFR	S	GR	SEXP	SOIL DEPTH	48"
						SAPROLITE CLASS	NA
						RESTRICTIVE HORIZON	NA
						SLOPE %	7
PROFILE CLASSIFICATION		Suitable	LTAR gpd/ft ²	0.6	SLOPE CORRECTION (IN)	2.5	
COMMENT							

PROFILE 2

HORIZON	COLOR	CONSIS	TEXTURE	STRUCTURE	MINERA	OTHER PROFILE FA	CTORS
DEPTH		TENCE			LOGY		
0-9	5YR 4/6	FR	SCL	GR	SEXP	LANDSCAPE POSITION	L
9-19	5YR 5/8	FR	SL	GR	SEXP	SOIL WETNESS DEPTH	>48"
19-38	7.5YR 5/6	VFR	LS	GR	SEXP	SOIL WETNESS COLOR	
38-48	7.5YR 4/6	VFR	S	GR	SEXP	SOIL DEPTH	48"
						SAPROLITE CLASS	NA
						RESTRICTIVE HORIZON	NA
						SLOPE %	7
PROFILE C	PROFILE CLASSIFICATION		Suitable	LTAR gpd/ft ²	0.75	SLOPE CORRECTION (IN)	2.5
COMMENT							

PROFILE 3

HORIZON	COLOR	CONSIS	TEXTURE	STRUCTURE	MINERA	OTHER PROFILE FACTORS		CTORS
DEPTH		TENCE			LOGY			
0-16	7.5YR 6/4	FR	SCL	GR	SEXP	LANDSCAPE POSITION		L
16-29	7.5YR 5/8	FI	SCL	SBK	SEXP	SOIL WETN	ESS DEPTH	>48"
29-48	10YR 5/8	FR	SL	GR	SEXP	SOIL WETNESS COLOR		
						SOIL DEPTH		48"
						SAPROLITE CLASS		NA
						RESTRICTIVE HORIZON		NA
						SLOPE %		7
PROFILE C	PROFILE CLASSIFICATION		Suitable	LTAR gpd/ft ²	0.5	SLOPE COR	RECTION (IN)	2.5
COMMENT								

PROFILE 4

HORIZON	COLOR	CONSIS	TEXTURE	STRUCTURE	MINERA	OTHER PROFILE FA	ACTORS
DEPTH		TENCE			LOGY		
0-11	5YR 5/8	FR	SCL	GR	SEXP	LANDSCAPE POSITION	L
11-26	7.5YR 5/8	FR	SL	GR	SEXP	SOIL WETNESS DEPTH	>48"
26-48	7.5YR 5/6	VFR	S	GR	SEXP	SOIL WETNESS COLOR	
						SOIL DEPTH	48"
						SAPROLITE CLASS	NA
						RESTRICTIVE HORIZON	NA
						SLOPE %	7
PROFILE CLASSIFICATION		ION	Suitable	LTAR gpd/ft ²	0.8	SLOPE CORRECTION (IN)	2.5
COMMENT				-		-	•

Soil/Site Evaluation Form for On-Site Wastewater System

LEGEND OF ABBREVIATIONS

LANDSCAPE	TEXTURE	TEXTURE			<u>LTAR</u>	
<u>POSITION</u>	<u>GROUP</u>		<u>CLASS</u>		(gal/day/sqft)	
CC - Concave Slope	1		S - Sand		1.2-0.8	
CV - Convex Slope			LS - Loamy	Sand		
DS - Debris Slump						
D - Depression	II		SL - Sandy I	_oam	0.8 - 0.6	
DW - Drainage Way			L - Loam			
FP - Flood Plain						
FS - Foot Slope	III		SCL - Sandy	/ Clay Loam	0.6 - 0.3	
H - Head Slope			CL - Clay Lo	am		
L - Linear Slope			SiL - Silt Loa	am		
N - Nose Slope			Si - Silt			
R - Ridge			SiCL - Silt C	lay Loam		
S - Shoulder Slope						
T - Terrace	IV		SC - Sandy Clay		0.4 - 0.1	
TS - Toe Slope			C - Clay			
			SiC - Silty C	lay		
			O - Organic		none	
STRUCTURE	MOIST CONS	SISTENCE		WET CONSISTE	NCE_	
G - Single Grain	VFR - Very Fr	VFR - Very Friable		NS - Non Stick		
M - Massive	FR - Friable	FR - Friable		SS - Slightly Sticky		
CR - Crumb	FI - Firm	FI - Firm		MS - Moderately Stick		
GR - Granular	VFI - Very Fir	VFI - Very Firm		VS - Very Sticky		
SBK - Subangular Blocky	EFI - Extreme	ly Firm				
ABK - Angular Blocky				NP - Non Plastic		
PL - Platy	MINERALOG	MINERALOGY		SP - Slightly Plastic		
PR - Prismatic	SEXP - Slight	SEXP - Slightly Expansive		MP - Moderately Plastic		
	EXP - Expans	ive		VP - Very Plastic		
MOTTLES	f – few	1 - fine		F - Faint		
	c – common	2 - medium		D - Distinct		
	m – many	3 - coarse		P - Prominent		

Give Horizon Depth in inches below natural soil surface and Fill Depth in inches above land surface.

Depth to Soil Wetness: inches below land surface to free water or to soil colors with chroma 2 or less.

Classification: S-Suitable U-Unsuitable

All soil characteristics were described in accordance with the USDA Field Book for Describing and Sampling Soils. The soils were evaluated under moist soil conditions. This evaluation included observations of topography and landscape position, soil morphology (texture, structure, clay mineralogy, organics), soil wetness, soil depth, and restrictive horizons.

TERMS AND CONDITIONS

This AOWE Evaluation is intended to file a Notice of Intent to construct a wastewater system with the Local Health Department and shall expire in five years. This evaluation is not a permit to develop. The owner and subcontractors will need to abide by all state and local rules and regulations pertaining to planning, zoning, and land use development.

Notice of Intent to Construct – Prior to commencing or assisting in the construction, siting, relocation, or repair of a wastewater system, a complete Notice of Intent (NOI) to Construct a wastewater system using an AOWE must be submitted to the Local Health Department (LHD). The owner may apply for a building permit for the project upon submitting a complete NOI and the required fee.

<u>Plan Alterations</u> – If there are any changes in the site plan that can impact the wastewater system, such as moving the house or driveway, site alterations, or if the applicant chooses to change the design daily flow prior to wastewater system construction, a new NOI shall be submitted to the LHD. The applicant shall request in writing that the PE or AOWE invalidate the prior NOI with a signed and sealed letter sent to the applicant and LHD.

<u>Site Alterations</u> – The applicant shall be responsible for preventing modifications or alterations of the site for the wastewater system and the system repair area before, during, and after any construction activities for the facility, unless approved by the AOWE.

<u>On-Site Wastewater System Contractor</u> – The AOWE shall assist the owner in the selection of a certified on-site wastewater system contractor who shall be under contractual obligation to the owner and have sufficient errors and omissions, liability, or other insurance for the system constructed.

<u>Inspections, Construction Observations, and Reports</u> – The AOWE shall make periodic visits to the site to observe the progress and quality of the construction of the wastewater system.

<u>Authorization to Operate (ATO)</u> – Upon determining that the wastewater system has been properly installed and is capable of being operated in accordance with the conditions of the permit, the AOWE shall provide the owner with a report that includes inspection reports, a written operation and management program, any special reports, and an Authorization to Operate. The owner shall sign confirming acceptance and receipt of the report, and then provide a copy to the LHD who will issue the certificate of occupancy for the facility.

Operation and Management – The owner shall be responsible for continued adherence to the operations and management program established by the AOWE. This permit shall in no way be taken as a guarantee or implied warranty that the septic system will function satisfactorily for any given period of time.

<u>Change in System Ownership</u> – An authorized wastewater system shall be transferrable to a new owner with the consent of the AOWE. The new owner and the AOWE shall enter a contract for the wastewater system.

<u>Revocation</u> – The AOWE permit is subject to revocation if the site plan, plat, or the intended use changes. This permit is subject to compliance with the provisions of the laws and Rules for Wastewater Treatment and Dispersal Systems and to the conditions of this permit.

Repair of Malfunctioning Systems – The owner may apply for an Improvement Permit and a Construction Authorization from the LHD or obtain a NOI from an AOWE to repair a malfunctioning wastewater system.