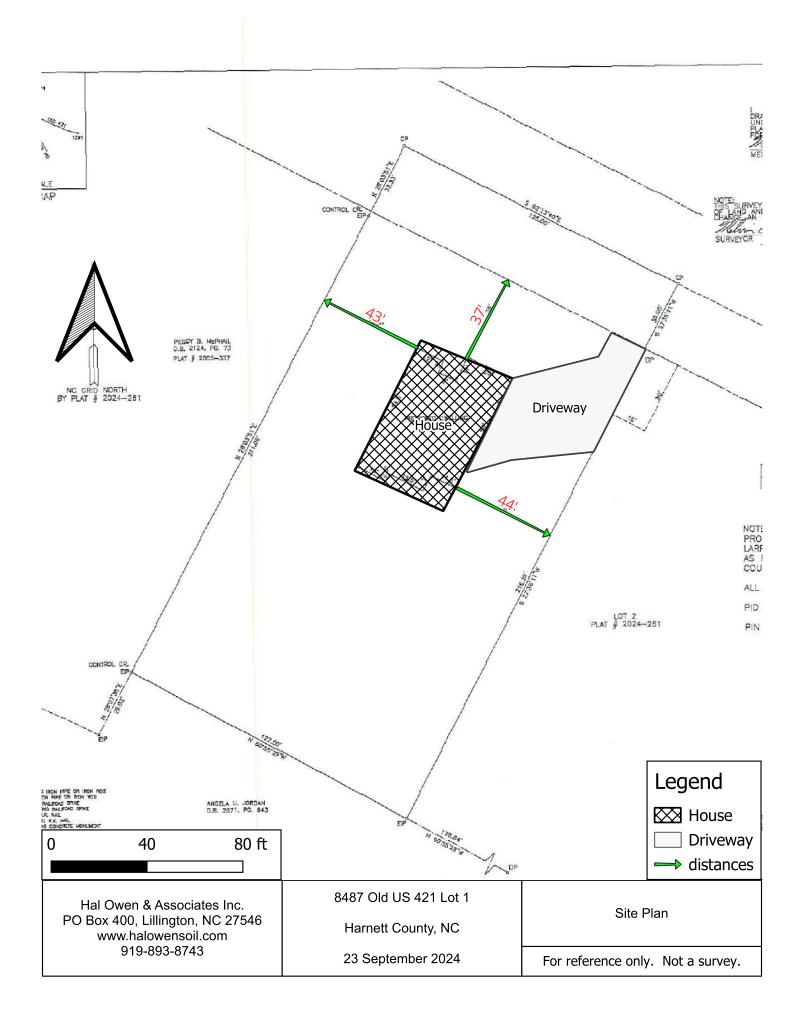


North Carolina Onsite Wastewater Contractor Inspector Certification Board Authorized Onsite Wastewater Evaluator Permit Option for Non-Engineered Systems Notice of Intent (NOI) to Construct

X New Expansion Repair Relocation Relocation of Repair Area
Owner or Legal Representative Information: Name: Beth Stephenson Mailing address: 13429 Old Stage Rd City: Willow Spring State: NC Zip: 27592 Phone: 252-333-2047 Email: twomorehomesllc@gmail.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: 8487 Old US 421, Lillington, NC 27546 Tax parcel identification number or subdivision lot, block number of property:
System Information: Wastewater System Type: Illbg (Pump to Accepted Status 25% reduction) Daily Design Flow: 360 gpd Saprolite System: Yes X Yes No Subsurface Operator Required: Yes X No Water Supply Type: Private Well X Public Water Supply Spring Other:
Facility Type: x Residential 3 # Bedrooms 6 Maximum # of Occupants Business Type of Business and Basis for Flow:
Required Attachments: ✓ Plat or Site Plan ✓ Evaluation of Soil and Site Features by Licensed Soil Scientist
Attest: On this the 23 day of September 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 23 day of September, 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:Date:Signature of Local Health Department Representative:Date:

							HA	LOWE1		OP ID: TOW
Ą		CER	RTI	FICATE OF LIA	BIL	ITY INS	SURAN	CE	•	MM/DD/YYYY) /10/2024
CE BE	IS CERTIFICATE IS ISSUED AS A RTIFICATE DOES NOT AFFIRMAT LOW. THIS CERTIFICATE OF IN PRESENTATIVE OR PRODUCER, A	TIVEL` SURA	Y OF	R NEGATIVELY AMEND, DOES NOT CONSTITUT	EXTE	ND OR ALT	ER THE CO	VERAGE AFFORDED	TE HOI BY THE	LDER. THIS E POLICIES
lf S	PORTANT: If the certificate holder SUBROGATION IS WAIVED, subjects certificate does not confer rights	t to th	ne te	rms and conditions of th	e polic ch enc	cy, certain p	olicies may).			
PROD			910	-893-5707	CONTA NAME:	CT SHARO	N WOODY			
LILLI PO B LILLI	RANCE SERVICE CTR -LILLING NGTON BRANCH OFFICE ox 1565 NGTON, NC 27546				PHONE (A/C, No	_{5, Ext):} 910-89 ss: SWOOD	93-5707 Y@ISCFAY	.COM	910-89	93-2077
	EL L. BABB						TONE NAT			NAIC #
INSUR	ED				INSURE					
HAL O	ED OWEN & ASSOCIATES, INC. OX 400				INSURE					
LILLI	NGTON, NC 27546				INSURE	RD:				
					INSURE	RE:				
					INSURE	RF:				
				ENUMBER:				REVISION NUMBER:		
IND CE	IS IS TO CERTIFY THAT THE POLICIE DICATED. NOTWITHSTANDING ANY R RTIFICATE MAY BE ISSUED OR MAY CLUSIONS AND CONDITIONS OF SUCH	EQUIR	REME AIN,	NT, TERM OR CONDITION THE INSURANCE AFFORDI	of an' Ed by	Y CONTRACT	OR OTHER	DOCUMENT WITH RESPE D HEREIN IS SUBJECT 1	ст то	WHICH THIS
	TYPE OF INSURANCE		SUBR			POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMI	rs	
	COMMERCIAL GENERAL LIABILITY							EACH OCCURRENCE	\$	
	CLAIMS-MADE OCCUR							DAMAGE TO RENTED PREMISES (Ea occurrence)	\$	
-		-						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)	\$	
	OWNED AUTOS ONLY SCHEDULED AUTOS							BODILY INJURY (Per accident	· ·	
	HIRED AUTOS ONLY NON-OWNED AUTOS ONLY							PROPERTY DAMAGE (Per accident)	\$	
									\$	
	UMBRELLA LIAB OCCUR							EACH OCCURRENCE	\$	
-	EXCESS LIAB CLAIMS-MAD	E						AGGREGATE	\$	
		_						PER OTH-	\$	
4	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y / N	_						STATUTE ER		
	ANY PROPRIETOR/PARTNER/EXECUTIVE	N/A						E.L. EACH ACCIDENT	\$	
i i	f yes, describe under DESCRIPTION OF OPERATIONS below							E.L. DISEASE - EA EMPLOYE E.L. DISEASE - POLICY LIMIT		
	PROFESSIONAL LIAB.			42ESP00143901		01/27/2024	01/27/2025		Ψ	1,000,000
								AGGREGATE		2,000,000
DESCR	RIPTION OF OPERATIONS / LOCATIONS / VEHI	CLES (A	ACORE	0 101, Additional Remarks Schedu	le, may b	e attached if mo	re space is requi	ed)		
	TIFICATE HOLDER				CAN	ELLATION				
	BETH STEPHENSON 13429 OLD STAGE RD WILLOW SPRING, NC 27	7592			THE ACC	EXPIRATIO	N DATE THI	ESCRIBED POLICIES BE (EREOF, NOTICE WILL EY PROVISIONS.		
						Taylon Wal	lace			
L						0				
ACO	RD 25 (2016/03)					© 19	88-2015 AC	ORD CORPORATION.	All rig	hts reserved.



HOA-A2-2409-02

Issue date 9/23/2024

Expiration 9/23/2029

APPLICANT INFORMATION

Name	Beth Stephenson					
Mailing Address	13429 Old Stage Road Willow Spring NC					
E-mail Address	twomorehomesllc@gmail.com	Telephone Number	2523332047			

PROPERTY IDENTIFIERS

County	Harnett	PIN	0610-16-6682			
Size (Acre)	.71	County PID	130610 9000 02			
Site Address 8487 Old US 421 Lillington NC 27546						
S/D Name and Lot#	Larry Taylor Subdivision Lot 1					

PROJECT INFORMATION

Wastewater System	New		.0403 Eng Low Flow	No
Wastewater Strength	Domestic		Effluent Standard	DSE
Facility Type	Residential		Water Supply	Public Water
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.

with with



Olwan





WASTEWATER SYSTEM DESIGN SPECIFICATIONS

Proposed Design Daily	360	gpd	Drainfield	Meeets Req	uirements:	
Septic Tank Size (mini	num)	1000	gallons	.0508 Availa	able Space	Yes
Pump Tank Size (minir	num)	1000	gallons, if required	.060	1 Setbacks	Yes
	-		•		-	
Initial System						
System Type IIIbg	-Pump to	Other nor	n-conventional system	ems		
Pump Required	Yes		9	ft TDH at	21	GPM
Trenches: Quick	4 standar	d chambe	er (25% reduction)			
Design LTAR		0.60	gal/day/ft ²	Sapro	lite System	No
Total Trench/ Bed Leng	gth –	150	feet		Fill System	No
Trench Spacing		9	ft on center			
Usable soil depth to LC	;	28	inches			
Maximum Trench Dept	h	13	inches, measured	on downhill	side of tren	ch
Minimum Soil Cover		6	inches			
Artificial Drainage Requ	uired	No				
Repair System						
	 Pump to 	PPBPS s	system			
	Yes					
	PS, horizor					
Design LTAR	_	0.80	gal/day/ft ²		lite System	No
Total Trench/ Bed Leng	gth _	75	feet		Fill System	No
Trench Spacing		9	ft on center			
Usable soil depth to LC		36	inches			
Maximum Trench Dept	h of	18	inches, measured	on downhill	side of tren	ch
Minimum Soil Cover		6	inches			
Potential Drainlines flag	ged at site	e on 9-ft c	enters.			

		Relative	Drainline	Field		
Line #	Color	Elevation (ft)	Length(ft)	Length(ft)		
1	В	104.22	25	29		air
2	W	101.31	50	57	حر	Repair
3	R	98.67	50	50		
4	Y	98.31	50	52		ial
5	В	97.95	50	54		Initial
Septic 1	fank:	98.81				
Pump T	ank:	98.81]			
Reference	e Elev:	100.00	*Property lines per ow			

*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 Specificaitons. 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.

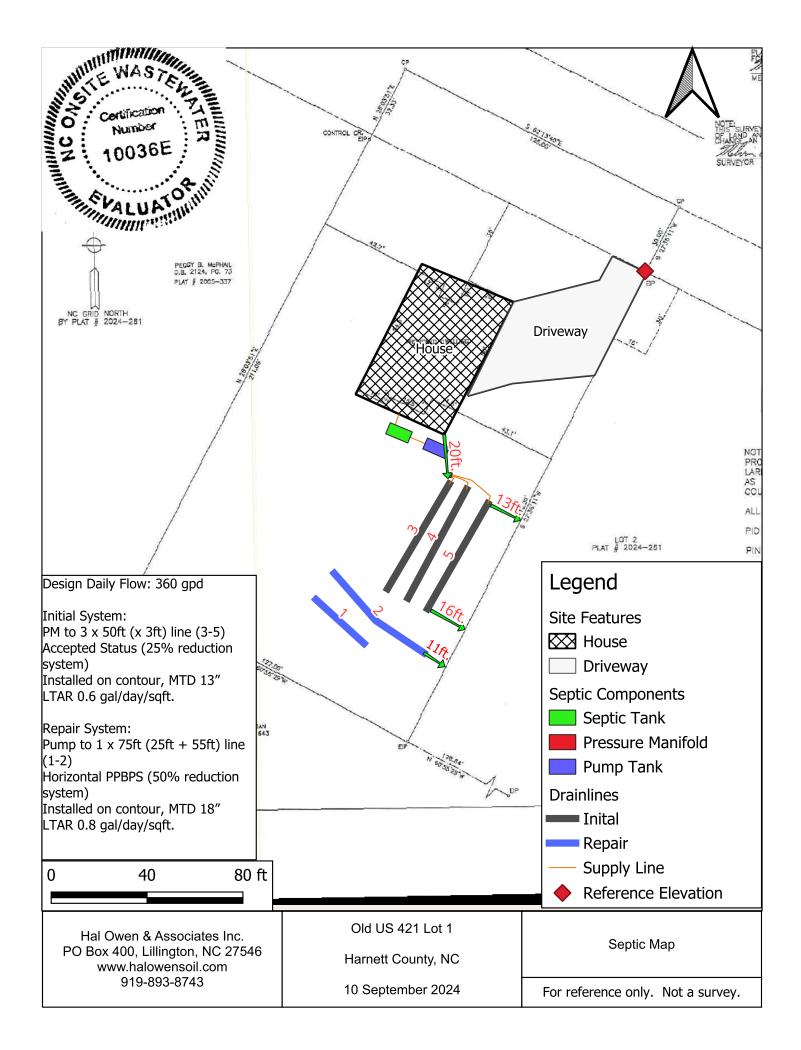
SPECIFIC REQUIREMENTS

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.

No additional grading in the septic area is permitted.



INITIAL WASTEWATER SYSTEM

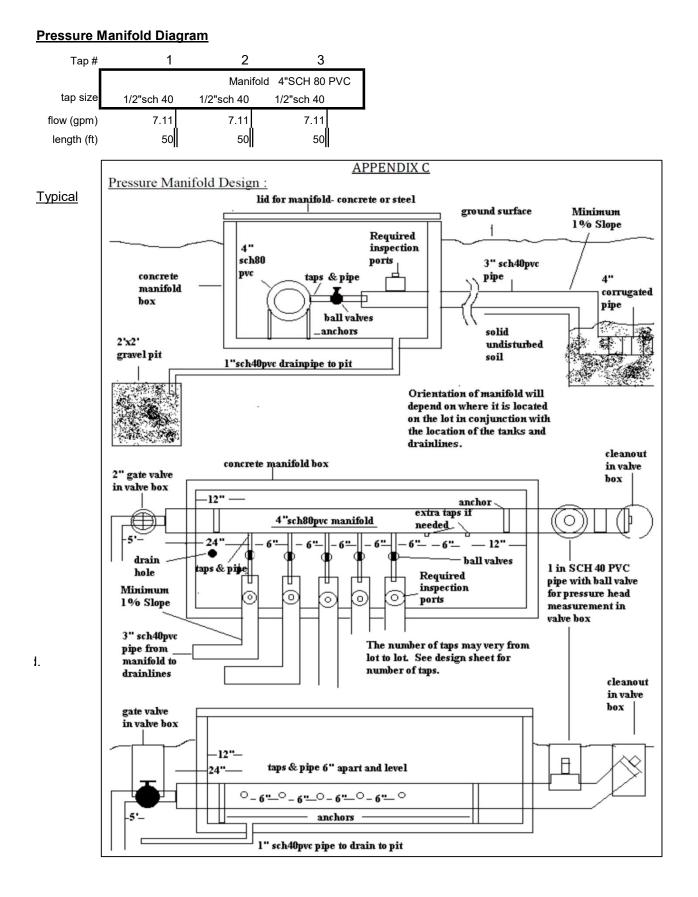
Pressure Manifold Design Criteria

DESI	GN DAILY FI	_ow	360	gallons/day	SOIL LTAR:	0.60	gpd/ft ²	
TAN	(S (min) S	Septic Tank:	1000	gallons	Pump Tank:	1000	- gallons	
SUPF		Length:	11	ft	Diameter:	2	" SCH 40 F	PVC
		Minimu	m flow (gpm) to i	maintain 2fps s	cour velocity:	20.9	gpm	
TREM	ICHES D	rainline Type:	Quick4 standard	d chamber (25%	% reduction)			
		Maximum	Trench Depth of	13	inches, meas	sured on l	- ow side of tr	ench
	Т	rench width:	3		Effective Tren	ch Width:	4	ft
	Abso	rption Area:	450	ft ²	Minimum Line	ar Length:	150	- ft
								-
MAN	FOLD	Length (ft):	3	Diameter:	4" sch 80 pvc	>	Elevation:	99.67
		# Taps	3	Tap Configura	tion: 6in. spac	cing, 1 sid	- e of manifol	d
TAP	CHART							_
		Relative		Tap Size/	flow/tap		LTAR	
Line	Color	Elevation	Length(ft)	Schedule	gpm	gpd/ft	(gpd/ft ²)	
3	R	98.67	50	1/2"sch 40	7.11	2.400	0.800	
4	Y	98.31	50	1/2"sch 40	7.11	2.400	0.800	
5	В	97.95	50	1/2"sch 40	7.11	2.400	0.800	
	Tot	al Drainline:	150	Total Flow:	21.33			
				-	Tar	rget LTAR*:	0.80	
PUM		TIONS			L	.TAR + 5%:	0.840	_
Dose	Volume:	73.46	gallons, with Pip	e Volume at	75	%	*65.3gal/100f	t pipe
Dose	Pump Run T	ime (min):	3.44	Daily	Pump Run Tii	me (min):	16.88	_
Draw	down (in.):	73	gallons ÷	20.25	gal/ inch =	3.63	inches	
Pump Tank Elevation (ft):		98.81	Pump	Elevation (ft):	93.81	_		
Frictio	on Head:	0.77	*Hazen Williams Fo	rmula (use supply	line length+70' fo	or fittings in	pump tank)	
Eleva	tion Head:	5.9						
Desig	ın Head:	2.0		Total	Dynamic Hea	ad (TDH):	8.63	ft
Pump	to Deliver:	21.3	gpm @	8.6	ft TDH			

NEMA 4X Simplex Control Panel with elapsed time meter, event counter, audible and visible alarm (w/ silence button), hand-off-automatic (HOA) switch, pump run light, and pump on separate circuits is requirec Control panel bottom shall be mounted a minimum of 24 in. above finished grade within 50 ft of pump tank. A septic tank filter is required. Floats to be determined by type of pump tank used.

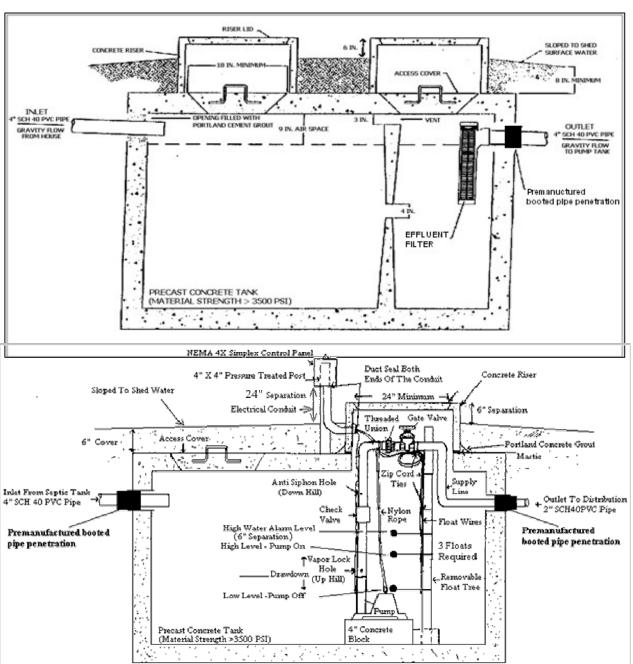
Possible Septic Tank:	Brantley 1000 STB-499	Possible Septic Filter:	
Possible Pump Tank:	Brantley 1000_PT-237	Vol(gal): 1000	GPI: 20.25
Possible Pump:		pump height (in) =	14
Possible Control Panel:			

INITIAL WASTEWATER SYSTEM



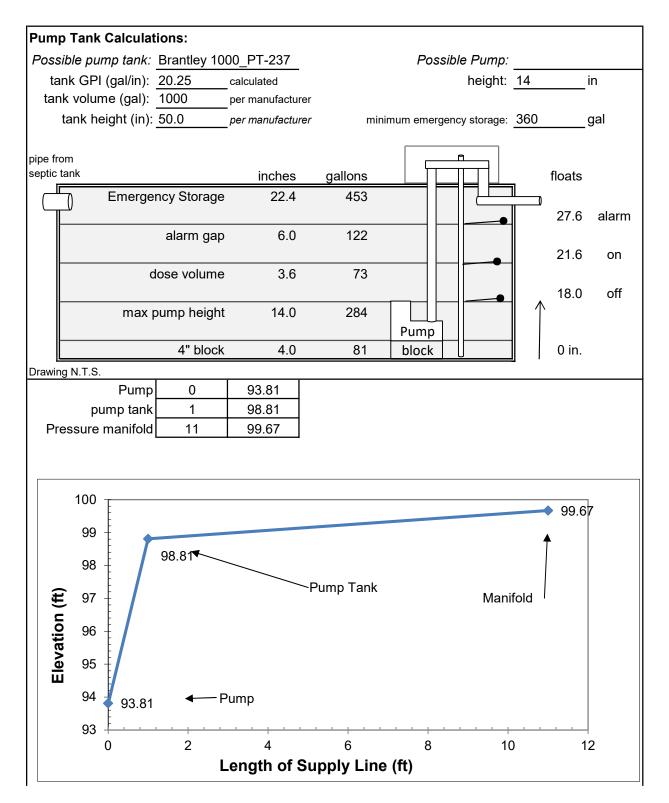
INITIAL WASTEWATER SYSTEM

Typical Septic Tank



1000 GALLON SEPTIC TANK, minimum

INITIAL WASTEWATER SYSTEM

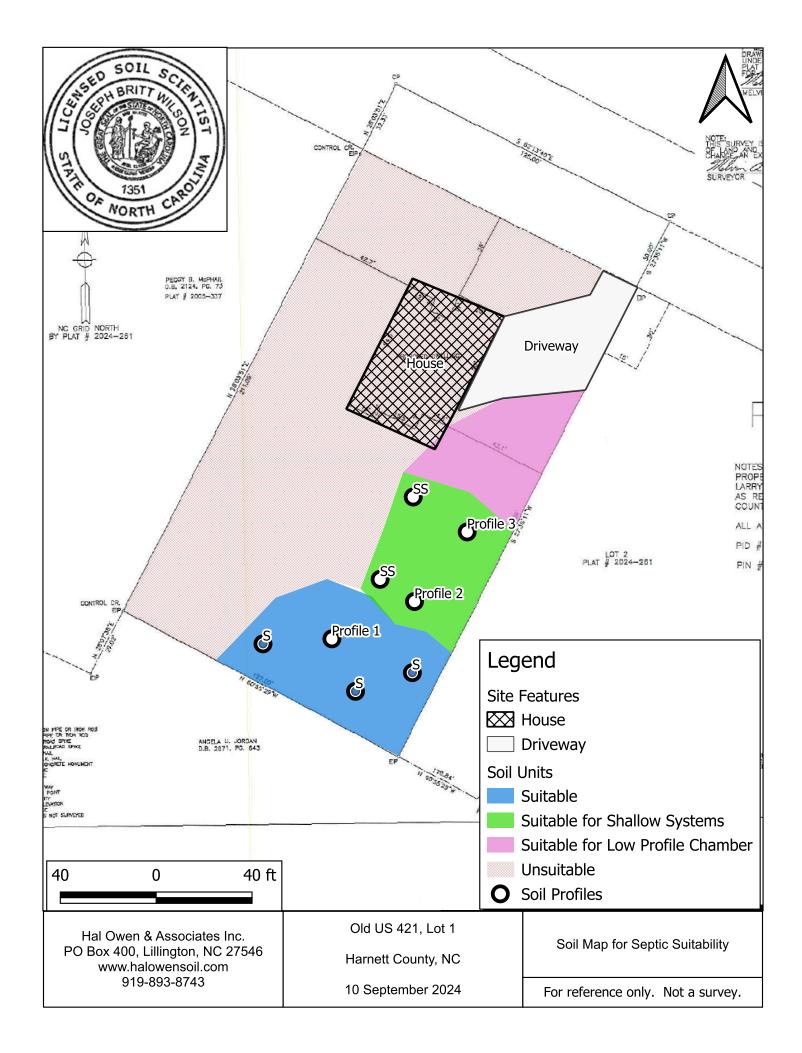


Repair WASTEWATER SYSTEM

Pump System Desi	<u>gn Criteria</u>						
DESIGN DAILY FLC	w .	360	gallons	SOIL LTAR	0.80	gpd/ft ²	
TANKS (min)	Septic Tank: _	1000	gallons	Pump Tank	: 1000	gallons	
SUPPLY LINE	Length (ft):	90	Diameter	2	_" sch 40 p	VC	
Mir	n total flow (gpm)) to maintain 2fp	s scour velocity =	20.9	gpm		
	ainline Type: _. Iaximum Trei			inches, mea	-	wside	
	ench height:	•	inches	-	ench width:		ft
	ength Factor:		%	Effective Tre	-		- 't ft
	orption Area:		ft ²	Minimum Lin	-		- ft
	ench Length:		Х	75			– ft
	Ū.		•	÷ 4.33 ft	 per panel :	17	_ _panels
	ONS:						
Total Flow:		gpm					
Daily Pump Run Tim		,		,			
Dose Volume:			17		(7.2	gallons/ pa	anel
Dose Pump Run Tin	ne <u>5.32</u>		se Volume/Tot				
Drawdown (in.):	122	gallons ÷	20.25	_ gal/ inch =	6.04	inches	
Pump Tank Elevatio	n (ft):	98.81	. Pump	Elevation (ft)	: 93.81		
Top Line Elevation:	104.22	feet					
Friction Head:	1.74	*Hazen William	s Formula (use su	pply line length-	⊦70' for fittings	in pump tan	k)
Elevation Head:	11.4						
Design Head:	2.0		Tota	l Dynamic He	ead (TDH): _	15.15	feet
Pump to Deliver:	23.00	gpm @	15.15	ft TDH			

NEMA 4X Simplex Control Panel with elapsed time meter, event counter, audible and visible alarm (w/ silence button), hand-off-automatic (HOA) switch, pump run light, and pump on separate circuits is required. Control panel bottom shall be mounted a minimum of 24 in. above finished grade within 50 ft of pump tank. A septic tank filter is required. Floats to be determined by type of pump tank used.

Possible Septic Tank:	Brantley 1000 STB-499	_Septic Filter:			
Possible Pump Tank:	Brantley 1000_PT-237	Vol(gal):	1000	GPI:	20.25
Possible Pump:		pump hei	ght (in) =	14	
Possible Control Panel:	SJE Rhombus 112 1W114	H8AC10E15A	17J		



Soil/Site Evaluation Form for On-Site Wastewater System

OWNER NAME:	Beth Stephenson			
PROPOSED FACILITY:	Residential	DESIGN DAILY FLOW:	360	WATER SUPPLY Public Water
LOCATION OF SITE:	8487 Old US 421 Lillington	n NC 27546	PIN:	0610-16-6682
WASTEWATER TYPE:	Domestic		COUNTY:	Harnett
EVALUATION METHOD] PIT		сит 🗔
EVALUATED BY:	Britt Wilson, LSS#1351		DA	TE EVALUATED: <u>9/2/24</u>
			_	
	INITIAL SYSTE	ΞM		REPAIR SYSTEM
AVAILABLE SPACE	450 ft ² trench botto	om	225	ft ² trench bottom
SYSTEM TYPE	Quick4 standard chan	nber (25% reduction)		PPBPS, horizontal
SITE LTAR	0.60 gpd/ft ²		0.80	gpd/ft ²
MAX TRENCH DEPTH	13 inches (measu	red on downhill side)	18	inches (measured on downhill side)
SITE CLASSIFICATION	Suitable	OTHE	R FACTORS	

COMMENTS:

Heavy Mechanical Disturbance

PROFILE 1

HORIZON	COLOR	CONSIS	TEXTURE	STRUCTURE	MINERA	OTHER PROFILE FACTORS	
DEPTH		TENCE			LOGY		
0-9	2.5Y 5/2	FR	SL	GR	SEXP	LANDSCAPE POSITION	L
9-15	2.5Y 6/3	FR	LS	GR	SEXP	SOIL WETNESS DEPTH	36"
15-38	2.5Y 7/4	FR	LS	GR	SEXP	SOIL WETNESS COLOR	10YR 6/1
38-48+	10YR 8/3	FR	LS	GR	SEXP	SOIL DEPTH	48"
						SAPROLITE CLASS	N/A
						RESTRICTIVE HORIZON	N/A
						SLOPE %	15
PROFILE CLASSIFICATION		Suitable	LTAR gpd/ft ²	0.8	SLOPE CORRECTION (IN)	5.4	
COMMENT							

PROFILE 2

HORIZON	COLOR	CONSIS	TEXTURE	STRUCTURE	MINERA	OTHER PROFILE FACTORS	
DEPTH		TENCE			LOGY		
0-4	2.5Y 6/3	FR	SL	GR	SEXP	LANDSCAPE POSITION	L
4-20	2.5Y 7/3	FR	LS	GR	SEXP	SOIL WETNESS DEPTH	28"
20-28	10YR 5/8	FR	SL	GR	SEXP	SOIL WETNESS COLOR	10YR 6/1
28+	10YR 5/8	FR	SL	GR	SEXP	SOIL DEPTH	28"+
						SAPROLITE CLASS N/A	
						RESTRICTIVE HORIZON	N/A
						SLOPE %	7
PROFILE CLASSIFICATION Suitable		Suitable	LTAR gpd/ft ²	0.6	SLOPE CORRECTION (IN)	2.5	
For Shallow Systems							

PROFILE 3

HORIZON	COLOR	CONSIS	TEXTURE	STRUCTURE	MINERA	OTHER PROFILE FACTORS	
DEPTH		TENCE			LOGY		
0-6	2.5Y 6/3	FR	SL	GR	SEXP	LANDSCAPE POSITION	L
6-28	2.5Y 7/3	FR	LS	GR	SEXP	SOIL WETNESS DEPTH	36"
28-48+	10YR 5/8	FR	SL	GR	SEXP	SOIL WETNESS COLOR	10YR 6/1
						SOIL DEPTH	48"
						SAPROLITE CLASS	N/A
						RESTRICTIVE HORIZON	N/A
						SLOPE %	2
PROFILE CLASSIFICATION		ION	Suitable	LTAR gpd/ft ²	0.6	SLOPE CORRECTION (IN)	0.7
COMMENT	COMMENT						

Soil/Site Evaluation Form for On-Site Wastewater System

LE	GEND OF ABBRE\	/IATIONS				
TEXTU	RE	TEXTURE		<u>LTAR</u>		
GROU	<u>P</u>	CLASS		(gal/day/sqft)		
1	I S - Sand			1.2-0.8		
		LS - Loamy	Sand			
11		SL - Sandy I	Loam	0.8 – 0.6		
		L - Loam				
111		SCL - Sandy	y Clay Loam	0.6 – 0.3		
		CL - Clay Lo	am			
		SiL - Silt Loa	am			
		Si - Silt				
		SiCL - Silt C	lay Loam			
			-			
IV		SC - Sandy	Clay	0.4 - 0.1		
			-			
		SiC - Silty C	lay			
		-				
		O - Organic		none		
MOIST CC	NSISTENCE		WET CONSIST	ENCE		
VFR - Very	/ Friable		NS - Non Stick			
FR - Friabl	e		SS - Slightly Sti	cky		
FI - Firm	FI - Firm		MS - Moderately Stick			
VFI - Very	Firm		VS - Very Stick	4		
y EFI - Extre	mely Firm					
			NP - Non Plasti	с		
MINERAL	OGY		SP - Slightly Pla	astic		
SEXP - Sli				MP - Moderately Plastic		
f – few	1 - fine		F - Faint			
c – common	2 - medium		D - Distinct			
	3 - coarse			P - Prominent		
	TEXTUI GROU I II II II II IV IV VFR - Very FR - Friabl FI - Firm VFR - Very FFI - Extrem VFI - Very EFI - Extrem SEXP - Sli EXP - Expand f - few	TEXTURE GROUP IIIIIIIIIIVIVVMOIST CONSISTENCE VFR - Very Friable FR - Friable FR - Friable FI - Firm VFI - Very Firm EFI - Extremely FirmYMINERALOGY SEXP - Slightly Expansive EXP - Expansive I - fine	GROUP CLASS I S - Sand LS - Loamy II SL - Sandy I L - Loam II SCL - Sandy I L - Loam III SCL - Sandy I L - Loam III SCL - Sandy I CL - Clay Lo SiL - Silt Loa SiL - Silt CO SiL - Silt CO SiC - Silt O SiC - Sandy C - Clay SiC - Silt O IV SC - Sandy C - Clay SiC - Silt O O - Organic O - Organic MOIST CONSISTENCE O - Organic VFR - Very Friable FI - Firable FI - Firable FI - Firable FI - Very Firm EFI - Extremely Firm VFI - Very Firm EXP - Slightly Expansive EXP - Slightly Expansive EXP - Expansive f - few 1 - fine	TEXTURE TEXTURE GROUP CLASS I S - Sand LS - Loamy Sand LS - Loamy Sand II SL - Sandy Loam L - Loam L - Loam III SCL - Sandy Clay Loam CL - Clay Loam SiL - Silt Loam SiL - Silt Loam Si - Silt SiC - Silty Clay C - Clay IV SC - Sandy Clay Loam IV SC - Sandy Clay C - Clay SiC - Silty Clay O - Organic O - Organic MOIST CONSISTENCE WET CONSIST VFR - Very Friable NS - Non Stick FR - Friable SS - Slightly Sti FI - Firm MS - Moderatelt VFI - Very Firm VS - Very Stick y EFI - Extremely Firm NP - Non Plasti MINERALOGY SP - Slightly Pla SEXP - Slightly Expansive MP - Moderatel VP - Very Plasti VP - Very Plasti		

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.

<u>Notice of Intent to Construct</u> – 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.

<u>Operation and Management</u> – 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.

<u>Repair of Malfunctioning Systems</u> – 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.