

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 Expansion Repair Relocation Relocation of Repair Area
Owner or Legal Representative Information: Name: Mattamy Homes, LLC Mailing address: 11000 Regency Parkway, Suite 110 _{City} : Cary State: NC Zip: 27518 Hone: 919-625-9546 Email: drew.brody@mattamycorp.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
ite Location Information: ite address: ite address: Cax parcel identification number or subdivision lot, block number of property: Riverfall SD, Ph 2, Lot 38 County: Harnett
ystem Information: Vastewater System Type: Illbg (Pump to Accepted Status 25% reduction) Paily Design Flow: 480 gpd aprolite System: Yes X No Subsurface Operator Required: Yes X No Vater Supply Type: Private Well X Public Water Supply Spring Other:
acility Type: Residential 4 # Bedrooms 8 Maximum # of Occupants Business Type of Business and Basis for Flow: Public Assembly Type of Public Assembly and Basis for Flow:
equired Attachments: V Plat or Site Plan Evaluation of Soil and Site Features by Licensed Soil Scientist
ttest: On this the 31 day of July , 2024 by signature below I hereby attest that the information required to be cluded 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. his NOI shall expire on 31 day of July , 2029
ignature of Owner or Legal Representative:
visclosure: The owner may apply for a building permit for the project upon submitting a complete NOI to Construct and the fee equired (if any) to the local health department. An onsite wastewater system authorized by an authorized onsite wastewater valuator shall be transferable to a new owner with the consent of the authorized onsite wastewater evaluator.
ocal Health Department Receipt Acknowledgement: ignature of Local Health Department Representative: Date:



OP ID: SGW



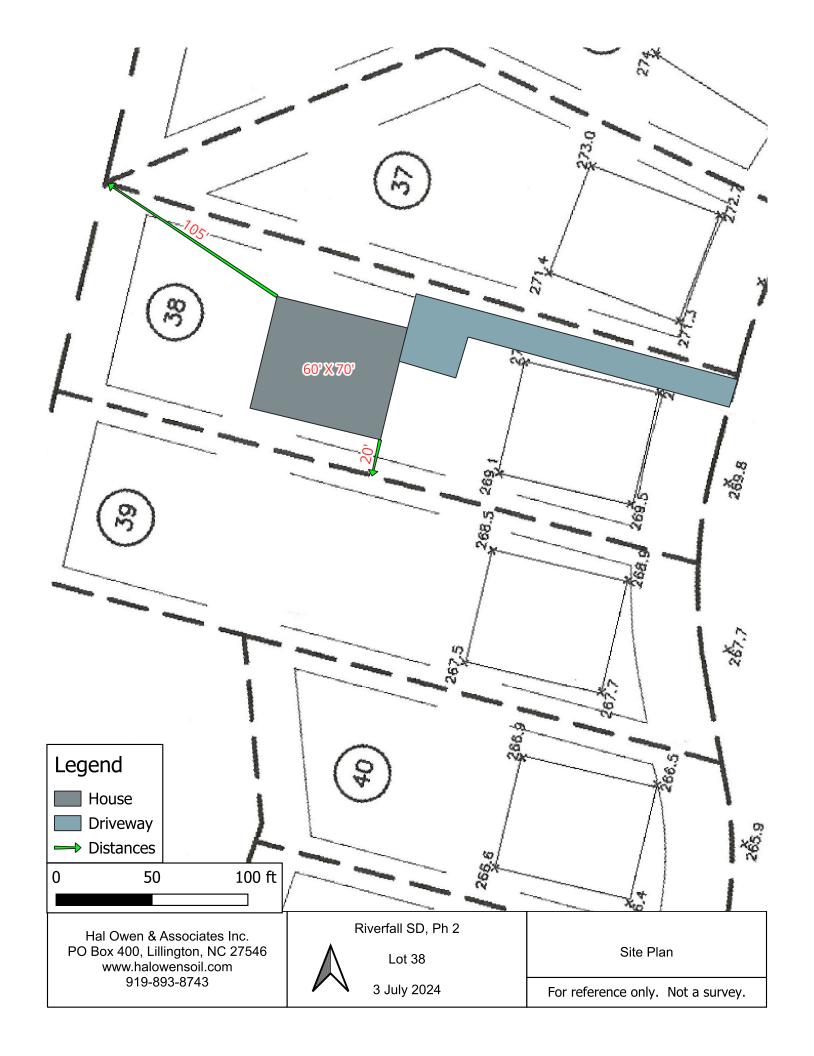
CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 03/11/2024

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.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed.

	SUBROGATION IS WAIVED, subject nis certificate does not confer rights t							require an endorsement	. A st	atement on	
PRO INS LILI PO	PRODUCER 910-893-5707 INSURANCE SERVICE CTR -LILLING LILLINGTON BRANCH OFFICE PO Box 1565					CONTACT SHARON WOODY NAME: PHONE (A/C, No, Ext): E-MAIL ADDRESS: SWOODY@ISCFAY.COM					
	LINGTON, NC 27546 NIEL L. BABB				ADDITEO			DING COVERAGE		NAIC #	
					INSURER	A:STARS	TONE NAT	IONAL			
INSI	JRED LOWEN & ASSOCIATES, INC.				INSURER	R B :					
PO	BOX 400				INSURER	C:					
LILI	LINGTON, NC 27546				INSURER	R D :					
					INSURER	RE:					
					INSURER	RF:					
				E NUMBER:	VE DEEN	LICOLIED TO		REVISION NUMBER:	IE DOI	IOV PEDIOD	
IN C E	HIS IS TO CERTIFY THAT THE POLICIES NDICATED. NOTWITHSTANDING ANY REERTIFICATE MAY BE ISSUED OR MAY SCLUSIONS AND CONDITIONS OF SUCH	EQUIF PERT POLI	REME AIN, CIES.	NT, TERM OR CONDITION THE INSURANCE AFFORD LIMITS SHOWN MAY HAVE	OF ANY DED BY T BEEN R	CONTRACT HE POLICIES EDUCED BY	OR OTHER S S DESCRIBEI PAID CLAIMS	DOCUMENT WITH RESPE D HEREIN IS SUBJECT TO	CT TO	WHICH THIS	
INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER		POLICY EFF MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMIT	S		
	COMMERCIAL GENERAL LIABILITY CLAIMS-MADE OCCUR							EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence)	\$		
								MED EXP (Any one person)	\$		
								PERSONAL & ADV INJURY	\$		
	GEN'L AGGREGATE LIMIT APPLIES PER:							GENERAL AGGREGATE	\$		
	POLICY PRO-							PRODUCTS - COMP/OP AGG	\$		
	AUTOMOBILE LIABILITY							COMBINED SINGLE LIMIT	\$		
	ANY AUTO							(Ea accident) BODILY INJURY (Per person)	\$		
	OWNED SCHEDULED AUTOS							BODILY INJURY (Per person)	\$		
	HIRED NON-OWNED AUTOS ONLY							PROPERTY DAMAGE (Per accident)	\$		
	AUTOS ONET							(i ci doddont)	\$		
	UMBRELLA LIAB OCCUR							EACH OCCURRENCE	\$		
	EXCESS LIAB CLAIMS-MADE							AGGREGATE	\$		
	DED RETENTION \$								\$		
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY							PER OTH- STATUTE ER			
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)	N/A						E.L. EACH ACCIDENT	\$		
	(Mandatory in NH) If yes, describe under							E.L. DISEASE - EA EMPLOYEE	\$		
_	DÉSCRIPTION OF OPERATIONS below			40ECD00442004		04/07/0004	04/07/2025	E.L. DISEASE - POLICY LIMIT	\$	4 000 000	
А	PROFESSIONAL LIAB.			42ESP00143901		01/2//2024	01/27/2025	AGGREGATE		1,000,000 2,000,000	
DES	 CRIPTION OF OPERATIONS / LOCATIONS / VEHIC	LES (A	ACORE	│ D 101, Additional Remarks Schedu	ule, may be	attached if mor	e space is requi	red)			
CE	RTIFICATE HOLDER				CANC	ELLATION					
MATTAMY HOMES LLC 11000 REGENCY PRKWY STE 110						EXPIRATION ORDANCE WI	N DATE THI TH THE POLIC	ESCRIBED POLICIES BE C EREOF, NOTICE WILL E CY PROVISIONS.			
	CARY, NC 27518				AUTHORIZED REPRESENTATIVE						



AOWE EVALUATION

HOA-AOWE-2407-17

Issue date 7/31/2024

Expiration 7/31/2029

APPLICANT INFORMATION

Name	Mattamy Homes, LLC
Mailing Address	11000 Regency Parkway, Cary, NC 27518
E-mail Address	Drew.Brody@mattamycorp.com Telephone Number 919-625-9546

PROPERTY IDENTIFIERS

County	Harnett	PIN	
Size (Acre)		County PID	
Site Address			
S/D Name and Lot#	Riverfall SD, Ph 2, Lot 38		

PROJECT INFORMATION

Wastewater System	New		.0403 Eng Low Flow	No
Wastewater Strength	Domestic		Effluent Standard	DSE
Facility Type	Residential		Water Supply	
Design Wastewater Flow	480	gpd	gal/unit	120
Basis for Flow	4	bedrooms	max occupancy	8
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	480	gpd	d Drainfield Meeets Requ		
Septic Tank Size (minimum)	1000	gallons	.0508 Available Space	Yes	
Pump Tank Size (minimum)	1000	gallons, if required	.0601 Setbacks	Yes	

Initial System

System Type	IIIbg –Pump to	Other nor	n-convention	ıal syst	ems			
Pump Required	Yes			11.6	ft TDH at	30.3	GPM	
Trenches:	Accepted (25%	reduction	n) System					
Design LTAR	0.40	gal/day/ft ²		Sapro	lite System	No		
Total Trench/ Be	300	feet			Fill System	No		
Trench Spacing		9	ft on center	-				
Usable soil depth	to LC	38	inches					
Maximum Trench	24	inches, measured on downhill side of trench						
Minimum Soil Cover		6	inches					
Artificial Drainage	e Required	No						

Repair System

System Type: IIIbe - Pump to PPBPS system Pump Required Yes Trenches: PPBPS, horizontal Design LTAR 0.40 gal/day/ft² Saprolite System No Total Trench/ Bed Length 200 feet Fill System No Trench Spacing 9 ft on center Usable soil depth to LC 38 inches Maximum Trench Depth of inches, measured on downhill side of trench 24 Minimum Soil Cover 6

Potential Drainlines flagged at site on 9-ft centers.

Potentia		es nagged at si	te on 9-it o	enters.	_		
		Relative	Drainline	Field			
Line #	Color	Elevation (ft)	Length(ft)	Length(ft)	_		
1	В	99.88	75	75	Repair		
2	W	99.59	125	131	∫		
3	R	99.25	100	131	_ E		
4	Y	99.03	100	134	- itia		
5	В	98.77	100	142	[] -		
Septic 7	Γank:	98.77			•		
Pump T	ank:	98.77		Notes:			
Reference	e Elev:	100.00]	*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.

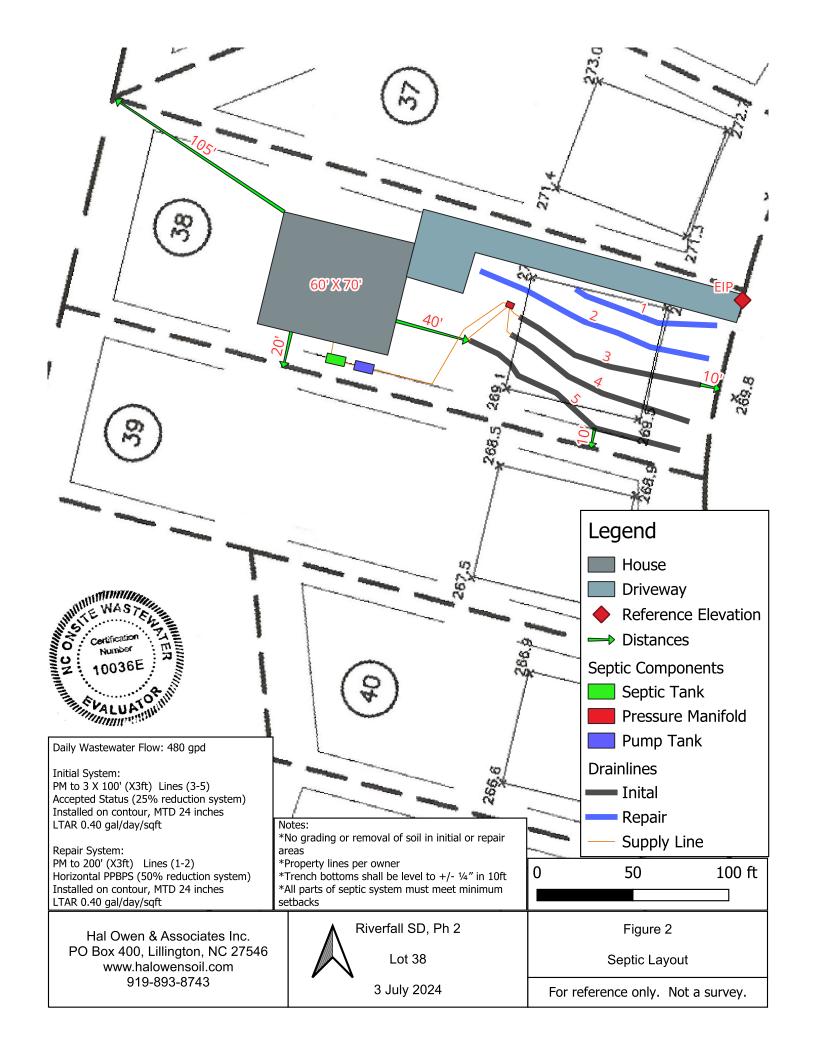
SPECIFIC REQUIREMENTS

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.

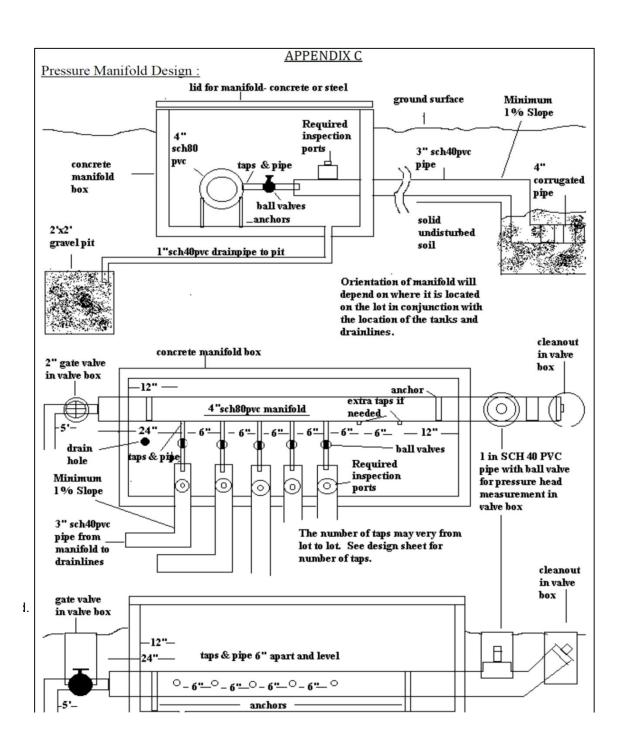
Water line must be installed at least 10ft from any part of the wastewater systems.



Pressure Manifold Design Criteria								
DESI	GN DAILY FL	.ow	480	gallons/day	SOIL LTAR:	0.40	gpd/ft ²	
TANKS (min) Septic Tank:			gallons					
SUPF	PLY LINE	Length:	100	.ft	Diameter:	2	" SCH 40 F	PVC
			n flow (gpm) to r	•		20.9	gpm	
		Supp	oly Pipe Volume	17	gallons			
TRE	NCHES Dr		Accepted (25%				-	
	_		French Depth of					
			3	ft ²	Effective Trend			-
	Abso	rption Area:	900	.π	Minimum Line	ar Length:	300	.ft
MAN	IFOLD	Length (ft):	3	Diameter:	4" sch 80 pvc		Elevation:	100.25
IVI	II OLD	# Tane		Tap Configura			-	
ТДР	CHART	# Taps	<u> </u>	. rap Coringula	don. om. spac	ilig, i sid	c or manilor	u
17.1		Relative		Tap Size/	flow/tap		LTAR	1
Line	Color	Elevation	Length(ft)	Schedule	gpm	gpd/ft	(gpd/ft ²)	
3	R	99.25	100	3/4"sch 80	10.10	1.600	0.533	
4	Y	99.03	100	3/4"sch 80	10.10	1.600	0.533	
5	В	98.77	100	3/4"sch 80	10.10	1.600	0.533	1
								1
								1
	Tota	al Drainline:	300	Total Flow:	30.30			
					Tar	get LTAR*:	0.53	_
_	P CALCULAT					TAR + 5%:		-
			gallons, with Pip				_	pipe
			4.85					-
			gallons ÷				•	
			98.77	•			-	
	on Head:		*Hazen Williams Fo	rmula (use supply	line length+70' fo	r fittings in p	pump tank)	
	ition Head:	6.5		Tatal	Dymania Haa	-d (TDII).	44 FC	Et.
Desig	ın Head:	2.0		rotai	Dynamic Hea	ia (TDH):	11.56	.ft
Pumr	to Deliver:	30.3	gpm @	11.6	ft TDH			
i dilip	o to Bonvon.		gpiii @					
NFM	A 4X Simplex	Control Pan	el with elansed ti	ime meter eve	nt counter au	dible and	visible alarr	n (w/
	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							
	,		nounted a minim		•	•		•
	A septic tank filter is required. Floats to be determined by type of pump tank used.							
'		•	Brantley 1000 S		Possible Se			
			Brantley 1000_F		Vol(gal):	1000	GPI:	20.25
Possible Pump:					. pump hei	ght (in) =	14	<u>-</u>

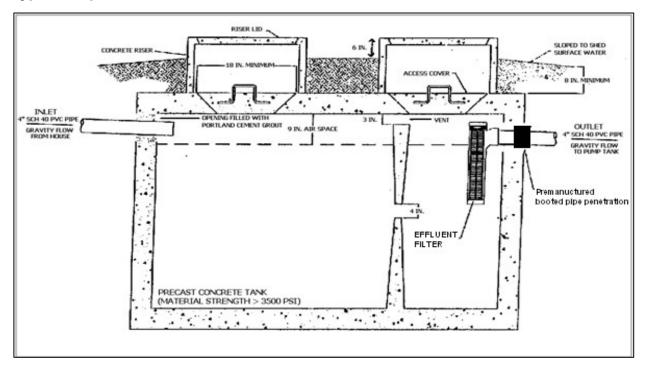
Pressure Manifold Diagram

_	1	2	3					
		Mani	Manifold 4"SCH 80 PVC					
tap size	3/4"sch 80	3/4"sch 80	3/4"sch 80					
flow (gpm)	10.10	10.10	10.10					
length (ft)	100	100	100					



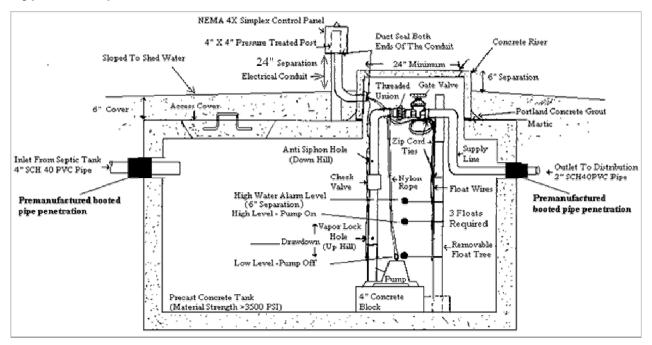
Typical Septic Tank

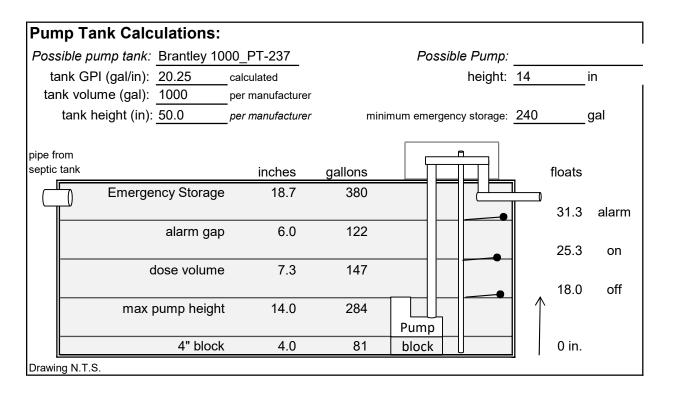
1000 GALLON SEPTIC TANK, minimum

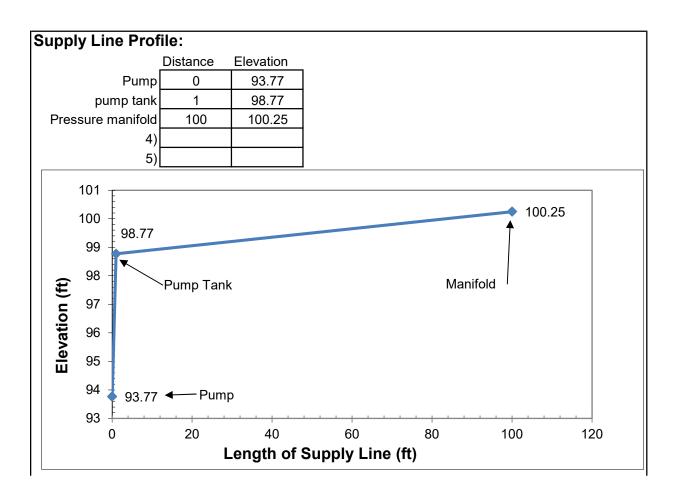


Typical Pump Tank

1000 GALLON PUMP TANK, minimum

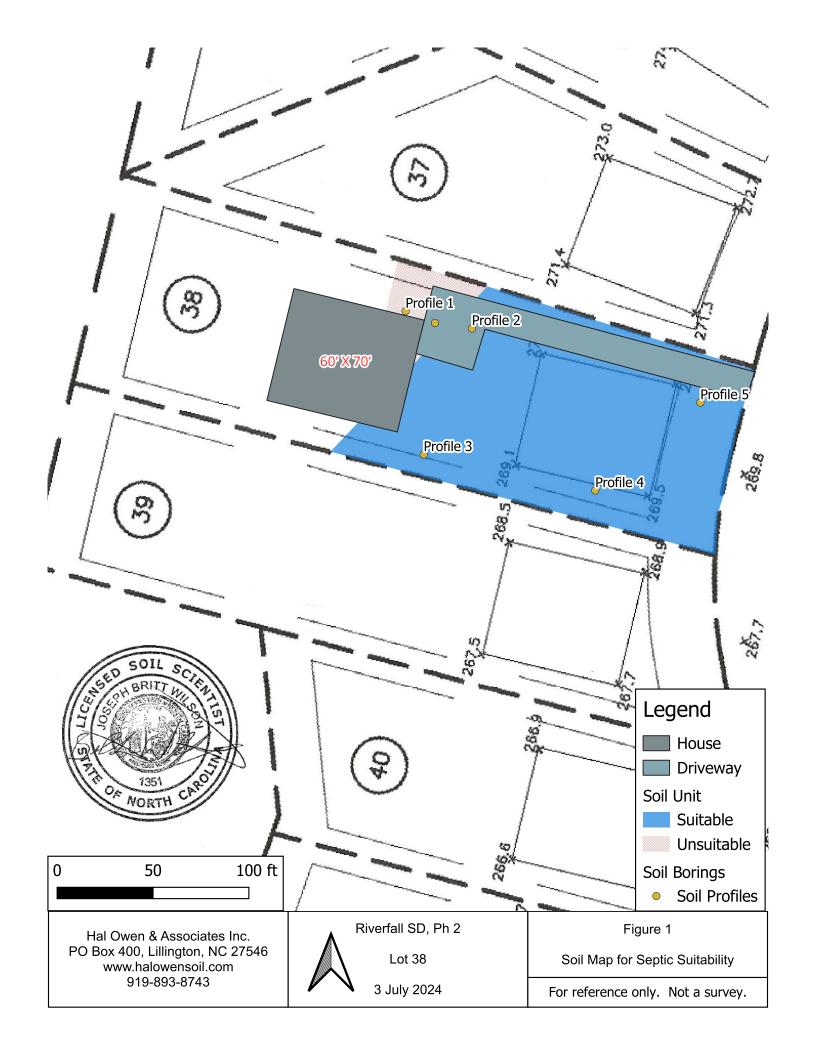






REPAIR WASTEWATER SYSTEM

DESIGN DAILY FLOW			480	gallons/day	S	SOIL LTAR:	0.40	gpd/ft ²
TANKS (minimum)			Septic Tank	1000	gallons	Pump Tank	1000	gallons
SUPPLY LINE Length (ft):					2			•
		Min total flo	ow (gpm) to mair	ntain 2 fps sco	ur velocity =	20.89	•	
TREN	ICHES Dra	inline Type:	PPBPS, horizon	tal			•	_
		Maximum	Trench Depth of	24	inches, mea	asured on lov	w side of tre	nch
	Tı	rench width:	3	feet	Effective Tr	ench Width:	6	ft
	Abso	rption Area:	600	ft ²	Minimum Li	inear Length:	200	ft
					÷ 4.33 f	t per panel :	46	panels
PRES	SURE MAN	IIFOLD						
		# Taps	2	Tap Configura	ation: 6in. spa	acing, 1 side	of manifold	
		Length (ft):	2.5	Diameter:	4" sch 80 pv	/C	Elevation:	100.88
TAP	CHART					#REF!		
Тар				Drainline	Number of	Tap Size/	Flow/tap	LTAR
#	Line #	Color	Elevation (ft)	Length(ft)	Panels	Schedule	(gpm)	(gpd/ft ²)
1	1	В	99.88	75	17	3/4"sch 80	10.10	0.801
2	2	W	99.59	125	29	1"sch 80	16.80	0.799
			Totals:	200	46	Total Flow:	26.90	
							Target LTAR*:	0.80
Pum	p Calcula	ations:					LTAR + 5%:	0.840
	Numbe	r of Panels:	46	_				
	Do	se Volume:	165.6	gallons	# of panels *	3.6	gallons/ par	nel
	Dose Pump	Run Time:	6.16	minutes	Dose volum	e/total flow		
	Daily Pump	Run Time:	17.84	minutes	Daily Flow/to	otal flow		
Draw	down (in.):	166	gallons ÷	20.25	_ gal/ inch =	8.18	inches	
Pump	Tank Eleva	ntion (ft):	98.77	Pump E	Elevation (ft):	93.77		
Friction	on Head:	2.54	*Hazen Williams Fo	rmula (use supply	line length+70'	for fittings in pu	ımp tank)	
Eleva	tion Head:	7.11	Design Head:	2.0	_	Total Head:	11.65	feet
Pump	to Deliver:	26.90	gpm @	11.65	ft head			
NEM	4 4X Simple	x Control Pa	nel with elapsed	time meter, ev	vent counter,	audible and	visible alarr	n (w/
silend	e button), h	and-off-auto	matic (HOA) swi	tch, pump run	light, and pur	np on separ	ate circuits i	s required.
Contr	ol panel bot	tom shall be	mounted a minir	mum of 24 in. a	above finishe	d grade with	in 50 ft of pu	ımp tank.
A sep	tic tank filte	r is required.	Floats to be det	ermined by typ	e of pump ta	nk used.		
	Possible S	Septic Tank:	Brantley 1000 S	TB-499	_Septic Filter:			
	Possible F	Pump Tank:	Brantley 1000_F	PT-237	Vol(gal):	1000	GPI:	20.25
	Pos	sible Pump:				pump l	height (in) =	14
	Possible Co	ntrol Panel:						



Soil/Site Evaluation Form for On-Site Wastewater System

OWNER NAME:	Mattamy Homes, LLC				
PROPOSED FACILITY:	Residential DESIGN DA	ILY FLOW:	480	WATER SUPPLY 0	
LOCATION OF SITE:	0		PIN:	0	
WASTEWATER TYPE:	Domestic		COUNTY:	Harnett	
EVALUATION METHOD	: AUGER BORING X	PIT		сит 🗆	
EVALUATED BY:	Britt Wilson, LSS#1351		DA [*]	TE EVALUATED:	
	INITIAL SYSTEM			REPAIR SYSTEM	
AVAILABLE SPACE	900 ft ² trench bottom		600	ft ² trench bottom	
SYSTEM TYPE	Accepted (25% reduction) Syst	em		PPBPS, horizontal	
SITE LTAR	0.40 gpd/ft ²		0.40	gpd/ft ²	
MAX TRENCH DEPTH	24 inches (measured on downh	nill side)	24	inches (measured on d	lownhill side)
SITE CLASSIFICATION	Suitable	OTHER	R FACTORS		
		_	-		
COMMENTS:					

PROFILE 1

HORIZON	COLOR	CONSIS	TEXTURE	STRUCTURE	MINERA	OTHER PROFILE FACTORS	
DEPTH		TENCE			LOGY		
0-7	10YR 5/3	VFR	LS	GR	SEXP	LANDSCAPE POSITION	L
7-16	10YR 6/4	VFR	LS	GR	SEXP	SOIL WETNESS DEPTH	16"
16-31	10YR 4/2	FR	SL	GR	SEXP	SOIL WETNESS COLOR	10YR 3/1
						SOIL DEPTH	31"
						SAPROLITE CLASS	NA
						RESTRICTIVE HORIZON	NA
						SLOPE %	7
PROFILE CLASSIFICATION		ION	Unsuitable	LTAR gpd/ft ²		SLOPE CORRECTION (IN)	2.5
COMMENT							

PROFILE 2

HORIZON	COLOR	CONSIS	TEXTURE	STRUCTURE	MINERA	OTHER PROFILE FACTORS	
DEPTH		TENCE			LOGY		
0-14	10YR 5/3	VFR	LS	GR	SEXP	LANDSCAPE POSITION	L
14-21	10YR 6/4	FR	SL	GR	SEXP	SOIL WETNESS DEPTH	43"
21-48	10YR 6/6	FR	SCL	SBK	SEXP	SOIL WETNESS COLOR	10YR 7/2
						SOIL DEPTH	48"
						SAPROLITE CLASS	NA
						RESTRICTIVE HORIZON	NA
						SLOPE %	7
PROFILE CLASSIFICATION		ION	Suitable	LTAR gpd/ft ²	0.45	SLOPE CORRECTION (IN)	2.5
COMMENT							

Soil/Site Evaluation Form for On-Site Wastewater System

PROFILE 3

HORIZON	COLOR	CONSIS	TEXTURE	STRUCTURE	MINERA	OTHER PROFILE FACTORS	
DEPTH		TENCE			LOGY		
0-13	10YR 4/2	VFR	SL	GR	SEXP	LANDSCAPE POSITION	L
13-17	10YR 5/2	FR	SL	GR	SEXP	SOIL WETNESS DEPTH	38"
17-48	10YR 6/3	FR	SCL	SBK	SEXP	SOIL WETNESS COLOR	10YR 7/2
						SOIL DEPTH	48"
						SAPROLITE CLASS	NA
						RESTRICTIVE HORIZON	NA
						SLOPE %	7
PROFILE CLASSIFICATION		ION	Suitable	LTAR gpd/ft ²	0.45	SLOPE CORRECTION (IN)	2.5
COMMENT							

PROFILE 4

HORIZON	COLOR	CONSIS	TEXTURE	STRUCTURE	MINERA	OTHER PROFILE FACTORS	
DEPTH		TENCE			LOGY		
0-9	10YR 5/3	VFR	LS	GR	SEXP	LANDSCAPE POSITION	L
9-14	10YR 6/4	VFR	SL	GR	SEXP	SOIL WETNESS DEPTH	38"
14-32	10YR 6/6	FR	SCL	SBK	SEXP	SOIL WETNESS COLOR	10YR 7/2
32-48	10YR 6/8	FI	SCL	SBK	SEXP	SOIL DEPTH	48"
						SAPROLITE CLASS	NA
						RESTRICTIVE HORIZON	NA
						SLOPE %	3
PROFILE CLASSIFICATION		ION	Suitable	LTAR gpd/ft ²	0.4	SLOPE CORRECTION (IN)	1.1
COMMENT							

PROFILE 5

HORIZON	COLOR	CONSIS	TEXTURE	STRUCTURE	MINERA	OTHER PROFILE FACTORS	
DEPTH		TENCE			LOGY		
0-10	10YR 5/3	VFR	LS	GR	SEXP	LANDSCAPE POSITION	L
10-21	10YR 6/4	VFR	SL	GR	SEXP	SOIL WETNESS DEPTH	39"
21-48	10YR 6/6	FR	SCL	SBK	SEXP	SOIL WETNESS COLOR	10YR 7/1
						SOIL DEPTH	48"
						SAPROLITE CLASS	NA
						RESTRICTIVE HORIZON	NA
						SLOPE %	3
PROFILE C	PROFILE CLASSIFICATION		Suitable	LTAR gpd/ft ²	0.45	SLOPE CORRECTION (IN)	1.1
COMMENT							

Soil/Site Evaluation Form for On-Site Wastewater System

LEGEND OF ABBREVIATIONS

	TEXTURE		TEXTURE		LTAR	
LANDSCAPE POSITION	GROUP		CLASS		(gal/day/sqft)	
CC - Concave Slope	1		S - Sand		1.2-0.8	
CV - Convex Slope				Sand		
DS - Debris Slump						
D - Depression	II		SL - Sandy	Loam	0.8 - 0.6	
DW - Drainage Way			L - Loam			
FP - Flood Plain						
FS - Foot Slope	III		SCL - Sand	y Clay Loam	0.6 - 0.3	
H - Head Slope			CL - Clay Lo	oam		
L - Linear Slope			SiL - Silt Lo	am		
N - Nose Slope			Si - Silt			
R - Ridge			SiCL - Silt C	Clay Loam		
S - Shoulder Slope						
T - Terrace	IV		SC - Sandy	Clay	0.4 - 0.1	
TS - Toe Slope			C - Clay			
			SiC - Silty C	Clay		
			O - Organic		none	
				1		
STRUCTURE	MOIST CON			WET CONSIST	ENCE	
G - Single Grain	VFR - Very F	riable		NS - Non Stick		
M - Massive		FR - Friable		SS - Slightly Sticky		
CR - Crumb	FI - Firm			MS - Moderately Stick		
GR - Granular	I	VFI - Very Firm		VS - Very Sticky	y	
SBK - Subangular Blocky	EFI - Extrem	ely Firm				
ABK - Angular Blocky				NP - Non Plastic		
PL - Platy		MINERALOGY		SP - Slightly Plastic		
PR - Prismatic	"	SEXP - Slightly Expansive		MP - Moderately Plastic		
	EXP - Expan	XP - Expansive		VP - Very Plasti	ic	
MOTTLES f –	few	1 - fine		F - Faint		
	- 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

The soils were evaluated under moist soil conditions through the advancing of auger borings. 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.

On-Site Wastewater System Contractor – 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.

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.