HAL OWEN & ASSOCIATES, INC.

SOIL & ENVIRONMENTAL SCIENTISTS

P.O. Box 400, Lillington NC 27546-0400 Phone (910) 893-8743 / Fax (910) 893-3594 www.halowensoil.com

15 January 2025

Raul Garcia 72 Electric Ln Sanford, NC

Reference: Notice of Intent to Revoke AOWE Permit (HOA-AOWE-2412-01)

LHD# SFD2404-0126

26 Electric Ln; PIN 9577-84-3855

Dear Mr. Garcia,

The intent of this letter is to revoke the above referenced AOWE Permit. This revocation is being provided upon your request due to a change in the site plan as well as changes to the dispersal field. You will need to apply for a new wastewater permit that meets the requirements of current regulations.

SOIL SCIENTS OF NORTH CHE

O Contribution Number 10036E

Sincerely,

Hal Owen

Licensed Soil Scientist

Authorized Onsite Wastewater Evaluator



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 X Expansion Repair Re	locationRelocation of Repair Area
Owner or Legal Representative Information:	
Name: Raul Garcia	
Mailing address: 72 Electric Ln City: Sanf	ord State: NC Zip:
Phone: 919-895-9836 Email: garcias.tile.concr	ete.masonry@gmail.com
Authorized Onsite Wastewater Evaluator Information:	
Name: Hal Owen	Certification #: 10036E
	gton State: NC Zip: 27546
Phone: 910-893-8743 Email: hal@halowensoi	.com
Site Location Information:	
Site address: 26 Electric Ln	
Tax parcel identification number or subdivision lot, block number of	
PIN 9577-84-3855 Co	unty: Harnett
System Information:	
Wastewater System Type: IIa Daily Design Flow: 600 gpd	
Saprolite System: Yes X No Subsurface Operator I	Required: Yes X No
Water Supply Type:Private Well _XPublic Water Supply	
Facility Type:	
x Residential 5 # Bedrooms 10 Maximum # of Occupa	nte
Business Type of Business and Basis for Flow:	
Public Assembly Type of Public Assembly and Basis for Flow	
Public Assembly Type of Fublic Assembly and Basis for Flow	°
Required Attachments: ✓ Plat or Site Plan	
V Evaluation of Soil and Site Features by Licensed Soil Scientis	st
Attest: On this the 15 day of January, 2025 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 system. This NOI shall expire on 15 day of January, 2030	
	Hal Owan
Signature of Authorized Onsite Wastewater Evaluator:	
Signature of Owner or Legal Representative:	
Disclosure: The owner may apply for a building permit for the proje	ect upon submitting a complete NOI to Construct and the fee
required (if any) to the local health department. An onsite wastewat	er system authorized by an authorized onsite wastewater
evaluator shall be transferable to a new owner with the consent of the	e authorized onsite wastewater evaluator.
Local Health Department Receipt Acknowledgement: Signature of Local Health Department Representative:	Date:



HALOWE1

WE1 OP ID: TOW

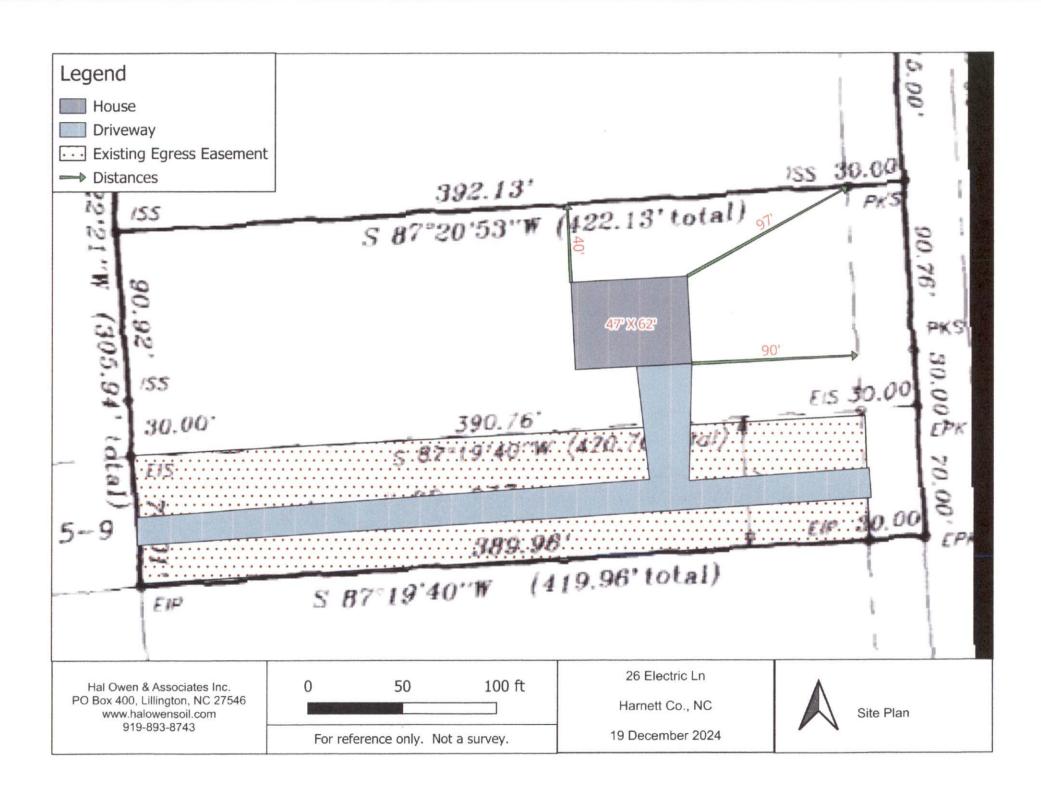
DATE (MM/DD/YYYY)

12/06/2024

CERTIFICATE OF LIABILITY INSURANCE

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. 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 910-893-5707 CONTACT SHARON WOODY INSURANCE SERVICE CTR -LILLING PHONE (A/C, No, Ext): 910-893-5707 FAX (A/C, No): 910-893-2077 LILLINGTON BRANCH OFFICE E-MAIL SWOODY@ISCFAY.COM PO Box 1565 LILLINGTON, NC 27546 DANIEL L. BABB INSURER(S) AFFORDING COVERAGE NAIC # INSURER A: STARSTONE NATIONAL INSURED HAL OWEN & ASSOCIATES, INC. INSURER B : **PO BOX 400** INSURER C : LILLINGTON, NC 27546 INSURER D: INSURER E : INSURER F COVERAGES CERTIFICATE NUMBER: REVISION NUMBER: THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS. ADDL SUBR POLICY EFF POLICY EXP TYPE OF INSURANCE POLICY NUMBER COMMERCIAL GENERAL LIABILITY EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) CLAIMS-MADE OCCUR MED EXP (Any one person) PERSONAL & ADV INJURY GEN'L AGGREGATE LIMIT APPLIES PER GENERAL AGGREGATE PRO-JECT POLICY LOC PRODUCTS - COMP/OP AGG \$ OTHER COMBINED SINGLE LIMIT (Ea accident) AUTOMOBILE LIABILITY ANY AUTO BODILY INJURY (Per person) SCHEDULED OWNED AUTOS ONLY BODILY INJURY (Per accident) HIRED AUTOS ONLY NON-OWNED AUTOS ONLY UMBRELLALIAR OCCUR EACH OCCURRENCE EXCESS LIAB CLAIMS-MADE AGGREGATE RETENTION \$ DED WORKERS COMPENSATION AND EMPLOYERS' LIABILITY PER STATUTE ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) E.L. EACH ACCIDENT NIA If yes, describe under DESCRIPTION OF OPERATIONS below E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$ PROFESSIONAL LIAB. 42ESP00143901 01/27/2024 01/27/2025 PER OCC. 1.000,000 AGGREGATE 2,000,000 DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required) CERTIFICATE HOLDER CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. RAUL GARCIA 72 ELECTRIC LN AUTHORIZED REPRESENTATIVE SANFORD, NC 27332 Taylor Wallace



HOA-AOWE-2412-01

Issue date 1/15/2025

Expiration 1/15/2030

APPLICANT INFORMATION

Name	Raul Garcia		
Mailing Address	72 Electric Ln, Sanford, NC		
E-mail Address	Garcias.Tile.concrete.masonry@gmai	Telephone Number	919-895-9836

PROPERTY IDENTIFIERS

County	Harnett	PIN	9577-84-3855
Size (Acre)	1.845	County PID	
Site Address	26 Electric Ln		
S/D Name and Lot#			

PROJECT INFORMATION

Wastewater System	Expansion		.0403 Eng Low Flow	No
Wastewater Strength	Domestic		Effluent Standard	DSE
Facility Type	Residential		Water Supply	Public Water
Design Wastewater Flow	600	gpd	gal/unit	120
Basis for Flow	5	bedrooms	max occupancy	10
Basement	No		Fixtures in basement?	No
Crawl Space	Yes		Slab Foundation	No

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

Permit # HOA-AOWE-2412-01

Proposed Design Daily Flow	600	_gpd	Drainfield Meeets Requ	irements:
Septic Tank Size (minimum)	1250	gallons	.0508 Available Space _	Yes
Pump Tank Size (minimum)	1250	gallons, if required	.0601 Setbacks	Yes

Initial System

IIa - Conventio	nal syste	m with 750 I	linear ft of trench or less
No			25.43 ft TDH at 31.0 GPM
Conventional			
	0.425	_gal/day/ft ²	Saprolite System No
ngth	472	feet	Fill System No
	9	ft on cente	er
_C	45	inches	
pth	24	inches, me	easured on downhill side of trench
	6	inches	
quired	No		
	No	No	0.425 gal/day/ft ²

Repair System

System Type:	IIIbe - Pump to	PPBPS	system		
Pump Required	Yes				
Trenches:	PPBPS, horizon	ital			
Design LTAR		0.35	gal/day/ft²	Saprolite System	Yes
Total Trench/ Bed L	ength	286	feet	Fill System	No
Trench Spacing		9	ft on center		
Usable soil depth to	LC	35	inches		
Maximum Trench D	Depth of	18	inches, measured	on downhill side of trenc	h
Minimum Soil Cove	er _	6	inches		

Potential Drainlines flagged at site on 9-ft centers.

		Relative	Drainline	Field	1
Line #	Color	Elevation (ft)	Length(ft)	Length(ft)	
1	В	97.79	86	88] <u>.</u>
2	R	97.13	100	110	Repair
3	W	96.49	100	129] &
4	Existing	102.18	102	56	
5	Existing	101.74	102	56	Tres
6	Existing	100.56	102	64	- Initial
7	Existing	100.13	102	44	=
8	Existing	99.21	64	64	
Septic T	ank:	90.23			
Pump Ta	ank:	90.23			
Referenc	e Elev:	100.00	1	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

HOA-AOWE-2412-01

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 County, well, or riparian ordinances) may require more stringent setbacks than specified in the State 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

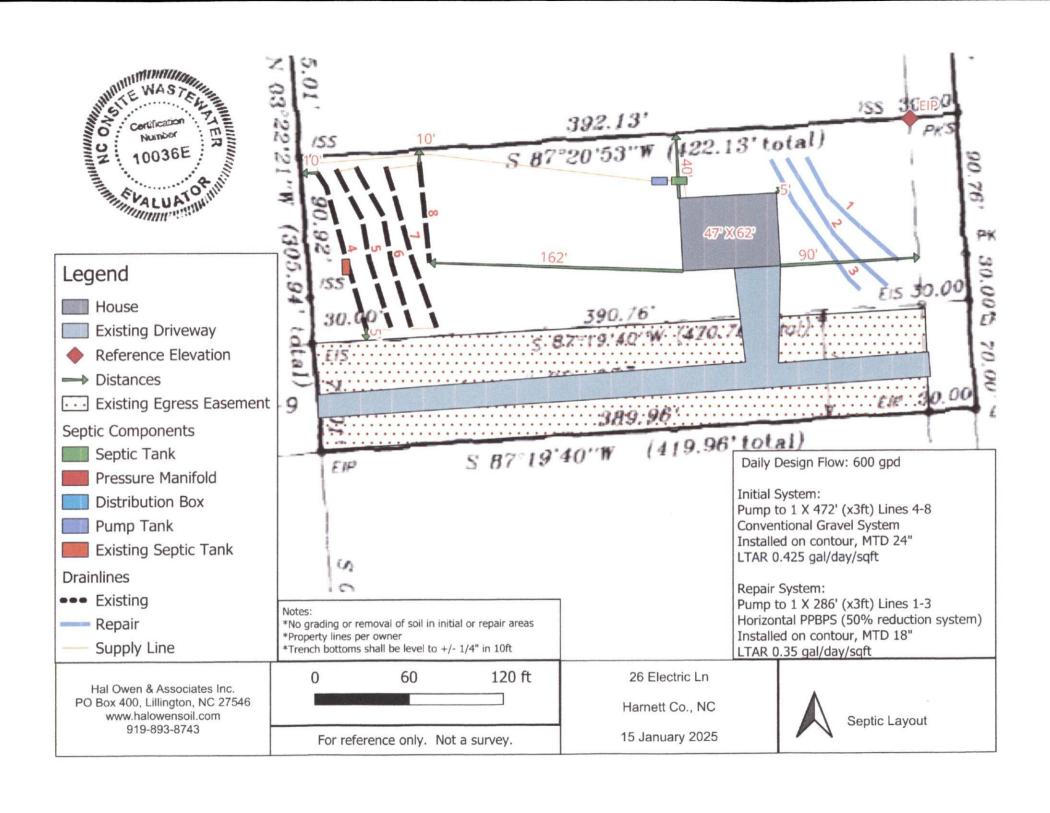
A pre-construction conference with the septic contractor is required prior to installation. Call Hal Owen & Associates at least five days in advance to schedule 910-893-8743

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

The existing septic tank will need to be properly abandoned.

The septic and pump tanks must be watertight. The installer shall either provide documentation that the tank has been leak tested by the manufacturer or be prepared to run leak testing (hydrostatic or vacuum testing in the ready- to-use-state) at the site

In order to extend existing line 4, a straight pipe shall be utilized to go through the existing septic tank area.



INITIAL WASTEWATER SYSTEM

Permit # HOA-AOWE-2412-01

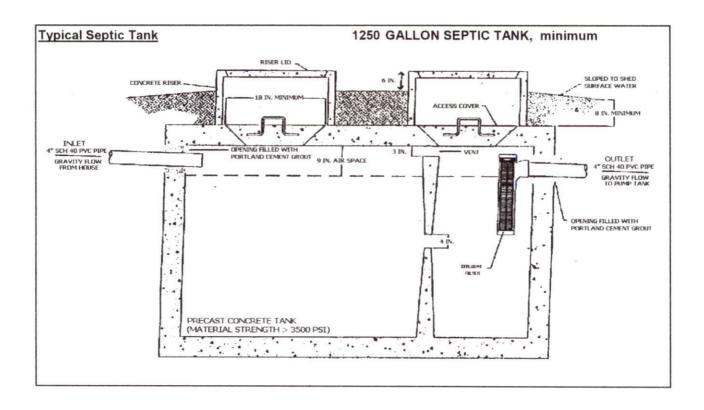
Pump System Design	Criteria						
DESIGN DAILY FLOW	V	600	gallons	SOIL LTAR:	0.425	gpd/ft ²	
TANKS (min) Sep	tic Tank:	1250	gallons	Pump Tank:	1250	gallons	
SUPPLY LINE Le	nath (ft):	220	Diameter:	2	" cob 40 r	21/0	
		gpm) to maintain 2fp			_" sch 40 p	JVC	
Militi			100000		- gpm		
	Sup	ply Pipe Volume	38	gallons			
TRENCHES Drainli	ne Type:	Conventional			_		
Maximum Trend	ch Depth	24	inches, measu	red on low s	ide		
Trenc	h height:	12	inches	Tre	nch width:	3	ft
Trench Length	h Factor:	100	%	Effective Tre	ench Width:	3	ft
Absorpti	ion Area:	1412	ft ²	Minimum Lin	ear Length:	471	ft
Actual Trench	Length:	1	X	472	ft =	472	ft
PUMP CALCULATION	NS:						
Total Flow:	31	gpm					
Daily Pump Run Time	19.35	minutes (Daily F	low/Total Flow	')			
Dose Volume (gal):	231	gallons, with Pip	e Volume at	75	_%	*65.3gal/100	ft pipe
Dose Pump Run Time	7.46	minutes (Dose \	/olume/Total F	low)			
Drawdown (in.):	231	gallons ÷	28	gal/inch =	8.26	inches	
Pump Tank Elevation	(ft):	90.23	Pump	Elevation (ft):	85.23		
Top Line Elevation:	102.18	feet					
Friction Head:	5.48	*Hazen Williams Fo	rmula (use supply	line length+70'	for fittings in	pump tank)	
Elevation Head:	18.0						
Design Head:	2.0		Total	Dynamic He	ad (TDH):	25.43	_feet
Pump to Deliver:	25.43	ft TDH @	31.00	gpm			

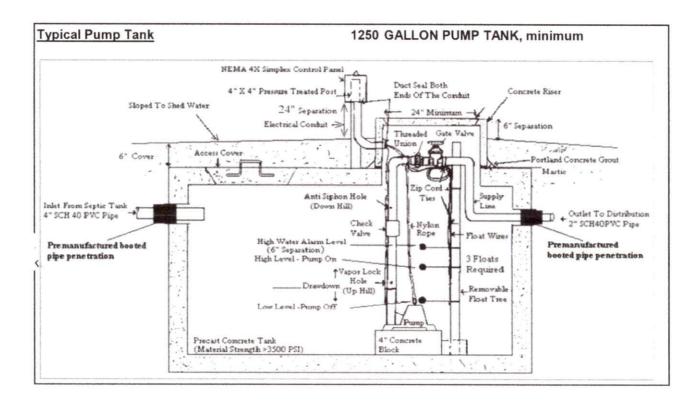
NEMA 4X Simplex Control Panel with elapsed time meter, event counter, audible and visible alarm (w/ silence button), hand-off-automatic (HOA) switch, pump run light, and pump on separate circuits required. Control panel bottom shall be mounted a minimum of 24 in. above finished grade within 50 ft of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

Possible Septic Tank:	Brantley 1250 STB-323	Septic Filter:				
Possible Pump Tank:	Brantley 1300_PT-459	Vol(gal):	1300	GPI:	28	
Possible Pump:		pump heig	ght (in) =	14		
Possible Control Panel:						

INITIAL WASTEWATER SYSTEM

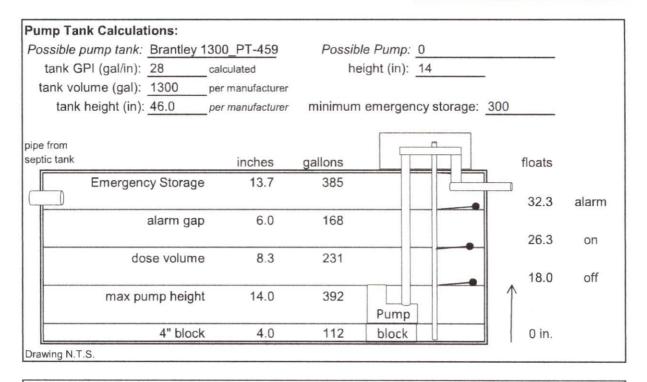
Permit # HOA-AOWE-2412-01

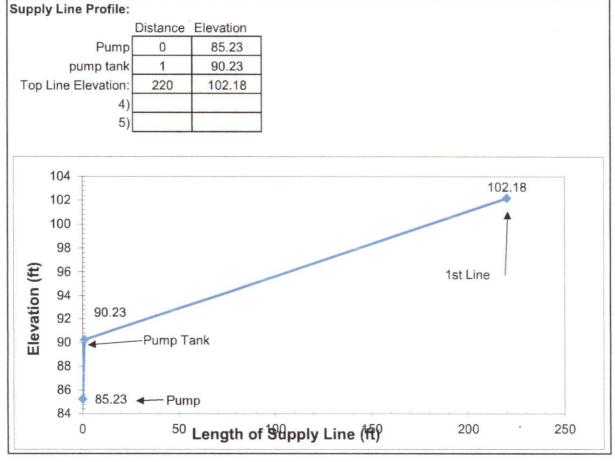




INITIAL WASTEWATER SYSTEM

Permit# HOA-AOWE-2412-01





pump height (in) =

AOWE EVALUATION

Possible Control Panel:

REPAIR WASTEWATER SYSTEM Permit # HOA-AOWE-2412-01 600 gpd/ft[∠] **DESIGN DAILY FLOW** gallons/day SOIL LTAR: 0.35 1250 Pump Tank 1250 gallons TANKS (minimum) Septic Tank gallons SUPPLY LINE Length (ft): 110 Diameter: 2 " sch 40 pvc Min total flow (gpm) to maintain 2 fps scour velocity = 20.89 TRENCHES Drainline Type: PPBPS, horizontal Maximum Trench Depth of inches, measured on low side of trench Trench width: Effective Trench Width: feet ft^2 Absorption Area: Minimum Linear Length: 66 ÷ 4.33 ft per panel: panels PRESSURE MANIFOLD Tap Configuration: 6in. spacing, 1 side of manifold Diameter: 4" sch 80 pvc Elevation: 98.79 Length (ft): TAP CHART Drainline Number of Tap Size/ LTAR Tap Flow/tap # Schedule (apd/ft²) Line # Color Elevation (ft) Length(ft) Panels (apm) 3/4"sch 80 1 1 В 97.79 86 10.10 0.669 20 2 R 97.13 100 23 3/4"sch 40 12.50 0.712 3 3 W 3/4"sch 40 96.49 100 23 12.50 0.712 Totals: 286 66 Total Flow: 35.10 Target LTAR*: 0.70 Pump Calculations: LTAR + 5%: 0.735 Number of Panels: # of panels * 3.6 gallons/ panel Dose Volume: 237.6 gallons Dose Pump Run Time: 6.77 minutes Dose volume/total flow Daily Pump Run Time: 17.09 minutes Daily Flow/total flow Drawdown (in.): 238 gal/ inch = 8.49 gallons ÷ Pump Tank Elevation (ft): 90.23 Pump Elevation (ft): 85.23 Friction Head: 4.28 *Hazen Williams Formula (use supply line length+70' for fittings in pump tank) Elevation Head: 13.56 Design Head: 2.0 Total Head: 19.84 gpm @ Pump to Deliver: 35.10 19.84 ft head 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 1250 STB-323 Septic Filter: Possible Pump Tank: Brantley 1300_PT-459 Vol(gal): 1300 28 Possible Pump:

Permit # HOA-A	OWE-2412-01
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SOIL/SITE EVALUATION FORM FOR ON-SITE WASTEWATER SYSTEM

OWNER NAME:	Raul Garcia				
PROPOSED FACILITY:	Residential	DESIGN DAILY FLOW:	600	WATER SUPPLY Public Water	
LOCATION OF SITE:	26 Electric Ln		PIN:	9577-84-3855	
WASTEWATER TYPE:	Domestic		COUNTY:	Harnett	
EVALUATION METHOD	: AUGER BORING	PIT		CUT	
EVALUATED BY:	Britt Wilson, LSS#1351		DA	ATE EVALUATED: 11/26/24	
	INITIAL SYS	TEM		REPAIR SYSTEM	
AVAILABLE SPACE	1412 ft ² trench bot	ttom	857	ft ² trench bottom	
SYSTEM TYPE	Conve	entional	PPBPS, horizontal		
SITE LTAR	0.425 gpd/ft ²		0.35	gpd/ft ²	
MAX TRENCH DEPTH	24 inches (meas	sured on downhill side)	18	inches (measured on downhill side	
SITE CLASSIFICATION	Suitable	OTHE	R FACTORS		

COMMENTS:

PROFILE 1

HORIZON	COLOR	CONSIS	TEXTURE	STRUCTURE	MINERA	OTHER PROFILE FACTORS	
DEPTH		TENCE			LOGY		
0-6	10YR 4/2	VFR	SL	GR	SEXP	LANDSCAPE POSITION	CV
6-10	10YR 6/3	FR	SL	SBK	SEXP	SOIL WETNESS DEPTH	35"
10-17	10YR 6/6	FI	SCL	SBK	SEXP	SOIL WETNESS COLOR	10YR 7/2
17-25	10YR 6/4	FR	CL	SBK	SEXP	SOIL DEPTH	25"
25-50+	Varigated	FR	L	М	SEXP	SAPROLITE CLASS S	
						RESTRICTIVE HORIZON	NA
						SLOPE %	7
PROFILE CLASSIFICATION Suitable LTAR gpd/fi		LTAR gpd/ft ²	0.35	SLOPE CORRECTION (IN)	2.5		
COMMENT Suitable for modified systems							

PROFILE 2

HORIZON	COLOR	CONSIS	TEXTURE	STRUCTURE	MINERA	OTHER PROFILE FACTORS	
DEPTH		TENCE			LOGY		
0-13	10YR 5/3	VFR	LS	GR	SEXP	LANDSCAPE POSITION	L
13-28	2.5Y 7/4	VFR	LS	GR	SEXP	SOIL WETNESS DEPTH	45"
28-35	10YR 6/4	FR	SCL	SBK	SEXP	SOIL WETNESS COLOR	10YR 7/1
35-48+	10YR 6/6	FI	SCL	SBK	SEXP	SOIL DEPTH	48"
						SAPROLITE CLASS	NA
						RESTRICTIVE HORIZON	NA
						SLOPE %	4
PROFILE CLASSIFICATION		Suitable	LTAR gpd/ft ²	0.425	SLOPE CORRECTION (IN)	1.4	
COMMENT	9						

SOIL/SITE EVALUATION FORM FOR ON-SITE WASTEWATER SYSTEM

LEGEND OF ABBREVIATIONS

LANDSCAPE	TEXTUR	RE	TEXTURE		LTAR	
POSITION	GROU	GROUP			(gal/day/sqft)	
CC - Concave Slope	1	1			1.2-0.8	
CV - Convex Slope			LS - Loamy	Sand		
DS - Debris Slump	*					
D - Depression	- 11	11		Loam	0.8 - 0.6	
DW - Drainage Way			L - Loam			
FP - Flood Plain						
FS - Foot Slope	III		SCL - Sandy	y Clay Loam	0.6 - 0.3	
H - Head Slope			CL - Clay Lo	oam		
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	IV		Clay	0.4 - 0.1	
TS - Toe Slope			C - Clay			
			SiC - Silty C	lay		
			O - Organic		none	
STRUCTURE	MOIST CO	NEISTENCE		WET CONSISTE	NOT	
STRUCTURE		NSISTENCE		WET CONSISTE NS - Non Stick	INCE	
G - Single Grain M - Massive	VFR - Very			The state of the s	la.	
CR - Crumb	F. 102	FI - Firm		SS - Slightly Sticky		
GR - Granular	ph 50 Value of the control of	VFI - Very Firm		MS - Moderately Stick VS - Very Sticky		
SBK - Subangular Blocky		EFI - Extremely Firm		VS - Very Sticky		
ABK - Angular Blocky	/ EFT - EXITE	mely Firm		NP - Non Plastic		
PL - Platy	MINEDAL	MINERALOGY		SP - Slightly Plastic		
PR - Prismatic		SEXP - Slightly Expansive		MP - Moderately		
1 1 - 1 Hamado		EXP - Expansive		VP - Very Plastic		
	EAR - Expe	113176		VI - Very Flastic		
MOTTLES	f – few	1 - fine		F - Faint		
	c – common	2 - medium	n 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.

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.

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.

