



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: Luzetta J. Dowdy and Kenneth H. Dowdy

Mailing address: 81 McRae Ln City: Lillington State: NC Zip: 27546

Phone: _____ Email: _____

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: Collins Rd, Lillington, NC 27546

Tax parcel identification number or subdivision lot, block number of property: LOT#3 MARK LOUIS CENTRELLA MAP#2025-205

PIN 0631-30-2626 County: Harnett

System Information:

Wastewater System Type: IIIbg (Pump to Accepted Status 25% reduction)

Daily Design Flow: 360 gpd

Saprolite System: ☐ Yes ☒ No Subsurface Operator Required: ☐ Yes ☐ No

Water Supply Type: ☐ Private Well ☐ Public Water Supply ☐ Spring ☐ Other: _____

Facility Type:

☒ 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:

☒ Plat or Site Plan

☒ Evaluation of Soil and Site Features by Licensed Soil Scientist

Attest: On this the 15th day of April, 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 systems in the state of North Carolina.

This NOI shall expire on 15th day of April, 2030.

Signature of Authorized Onsite Wastewater Evaluator: Hal Owen

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: _____



HALOWE1

OP ID: TOW

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

03/21/2025

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 INSURANCE SERVICE CTR -LILLING LILLINGTON BRANCH OFFICE PO Box 1565 LILLINGTON, NC 27546 DANIEL L. BABB	910-893-5707	CONTACT NAME: TAYLOR TURLINGTON PHONE (A/C, No, Ext): 910-893-5707 FAX (A/C, No): 910-893-2077 E-MAIL ADDRESS: TTURLINGTON@ISCFAY.COM
INSURED HAL OWEN & ASSOCIATES, INC. PO BOX 400 LILLINGTON, NC 27546		INSURER(S) AFFORDING COVERAGE INSURER A: STARSTONE NATIONAL INSURER B: INSURER C: 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.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
	COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:						EACH OCCURRENCE \$ DAMAGE TO RENTED PREMISES (Ea occurrence) \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ PRODUCTS - COMP/OP AGG \$ \$
	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY						COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
	UMBRELLA LIAB <input type="checkbox"/> OCCUR EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input type="checkbox"/> RETENTION \$						EACH OCCURRENCE \$ AGGREGATE \$ \$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) <input type="checkbox"/> Y/N If yes, describe under DESCRIPTION OF OPERATIONS below		N/A				PER STATUTE <input type="checkbox"/> OTH-ER <input type="checkbox"/> E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$
A	PROFESSIONAL LIAB.			42ESP00143901	01/27/2025	01/27/2026	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

LUZETTA J DOWDY KENNETH H DOWDY 81 MCRAE LN LILLINGTON, NC 27546	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 <i>Taylor O Turlington</i>
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ACORD 25 (2016/03)

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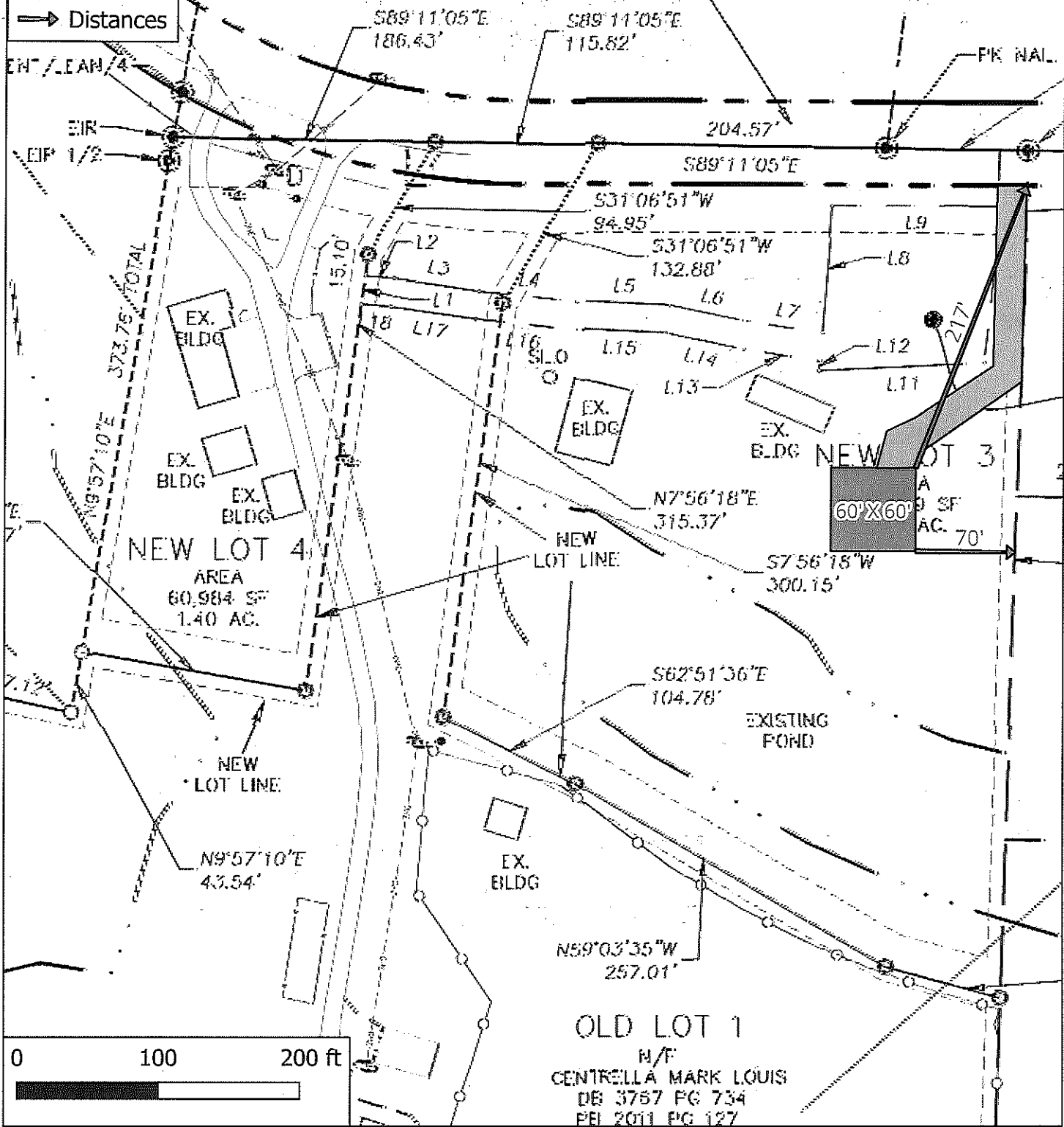
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Legend

- Driveway
- House
- Distances

PIN# 0631-31-1456.000
PID# 130631 0004 02

NCSR 1259 (COLLINS RD.) 60' R/W
PER PE 2001 PG 127



0 100 200 ft

Hal Owen & Associates Inc.
PO Box 400, Lillington, NC 27546
www.halowensoil.com
919-893-8743

Collins Road
Lillington NC, 27546
PIN 0631-30-2626

April 7 2025



Site Plan

For reference only. Not a survey.

AOWE EVALUATIONHAL OWEN ASSOCIATES
www.halowensoil.com

HOA-AOWE-2502-11

Issue date 4/7/2025

Expiration 4/7/2030

APPLICANT INFORMATION

Name	Luzetta J. Dowdy and Kenneth H. Dowdy		
Mailing Address	81 McRae Ln, Lillington, NC 27546		
E-mail Address		Telephone Number	

PROPERTY IDENTIFIERS

County	Harnett	PIN	0631-30-2626
Size (Acre)	4.5	County PID	130631 0010 02
Site Address	Collins Rd, Lillington, NC 27546		
S/D Name and Lot#			

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	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	Hal Owen, LSS#1102	AOWE	Hal Owen, #100361

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.



AOWE EVALUATION

HAL OWEN ASSOCIATES
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WASTEWATER SYSTEM DESIGN SPECIFICATIONS

Permit # HOA-AOWE-2502-11

Proposed Design Daily Flow	<u>360</u> gpd	Drainfield Meets Requirements:	
Septic Tank Size (minimum)	<u>1000</u> gallons	.0508 Available Space	<u>Yes</u>
Pump Tank Size (minimum)	<u>1000</u> gallons, if required	.0601 Setbacks	<u>Yes</u>

Initial System

System Type	<u>IIIbg - Pump to Other non-conventional systems</u>		
Pump Required	<u>Yes</u>	<u>12.19</u> ft TDH at	<u>25.0</u> GPM
Trenches:	<u>Accepted (25% reduction) System</u>		
Design LTAR	<u>0.35</u> gal/day/ft ²	Saprolite System	<u>No</u>
Total Trench/ Bed Length	<u>260</u> feet	Fill System	<u>No</u>
Trench Spacing	<u>9</u> ft on center		
Usable soil depth to LC	<u>42</u> inches		
Maximum Trench Depth	<u>24</u> inches, measured on downhill side of trench		
Minimum Soil Cover	<u>6</u> inches		
Artificial Drainage Required	<u>No</u>		

Repair System

System Type:	<u>IIIbg - Pump to Other non-conventional systems</u>		
Pump Required	<u>Yes</u>		
Trenches:	<u>Accepted (25% reduction) System</u>		
Design LTAR	<u>0.35</u> gal/day/ft ²	Saprolite System	<u>No</u>
Total Trench/ Bed Length	<u>260</u> feet	Fill System	<u>No</u>
Trench Spacing	<u>9</u> ft on center		
Usable soil depth to LC	<u>34</u> inches		
Maximum Trench Depth of	<u>20</u> inches, measured on downhill side of trench		
Minimum Soil Cover	<u>6</u> inches		

Potential Drainlines flagged at site on 9-ft centers.

Line #	Color	Relative Elevation (ft)	Drainline Length(ft)	Field Length(ft)
1	Y	99.75	130	137
2	W	99.24	130	170
3	B	98.86	130	168
4	R	98.40	130	108
Septic Tank:		98.86		
Pump Tank:		98.86		
Reference Elev:		100.00		

Repair Initial

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-2502-11**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 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.

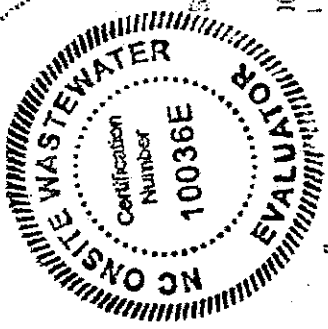
SPECIFIC REQUIREMENTS

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

The supply line shall be installed over the existing septic supply line of Lot 4.
Care should be taken to not damage any parts of the septic system.



- Legend**
- Driveway
 - House
 - Existing system
 - Permitted Repair
 - Distances
 - Reference Elevation

- Septic Components**
- Septic Tank
 - Pressure Manifold
 - Pump Tank
- Drainlines**
- Initial
 - Repair
 - Supply Line
 - Existing Supply Line

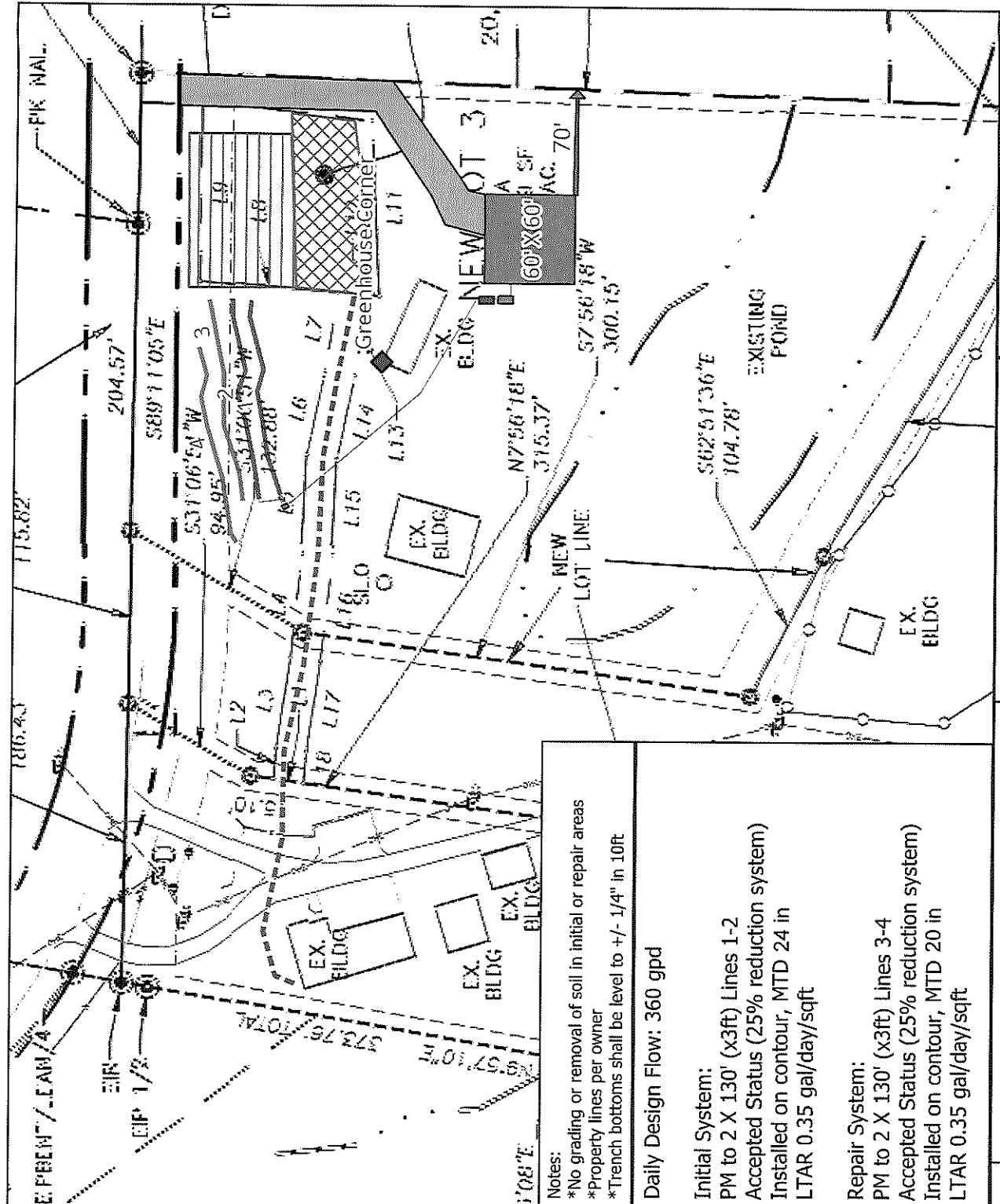
Notes:

- *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

Daily Design Flow: 360 gpd

Initial System:
 PM to 2 X 130' (x3ft) Lines 1-2
 Accepted Status (25% reduction system)
 Installed on contour, MTD 24 in
 LTAR 0.35 gal/day/sqft

Repair System:
 PM to 2 X 130' (x3ft) Lines 3-4
 Accepted Status (25% reduction system)
 Installed on contour, MTD 20 in
 LTAR 0.35 gal/day/sqft



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 919-893-8743

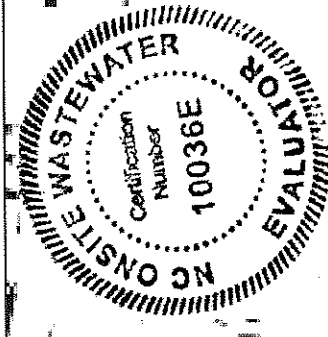
0 100 200 ft

For reference only. Not a survey.

Collins Rd
 Lillington NC 27546
 PIN 0631-30-2626

7 April 2025

Figure 2
 Septic Layout



Legend

- Driveway
- House
- Existing system
- Permitted Repair
- Distances
- Reference Elevation
- Septic Components
 - Septic Tank
 - Pressure Manifold
 - Pump Tank
- Drainlines
 - Initial
 - Repair
 - Supply Line
 - Existing Supply Line

Notes:

- *No grading or removal of soil in initial or repair areas
- *Property lines per owner
- *Trench bottoms shall be level to $\pm 1/4"$ in 10ft

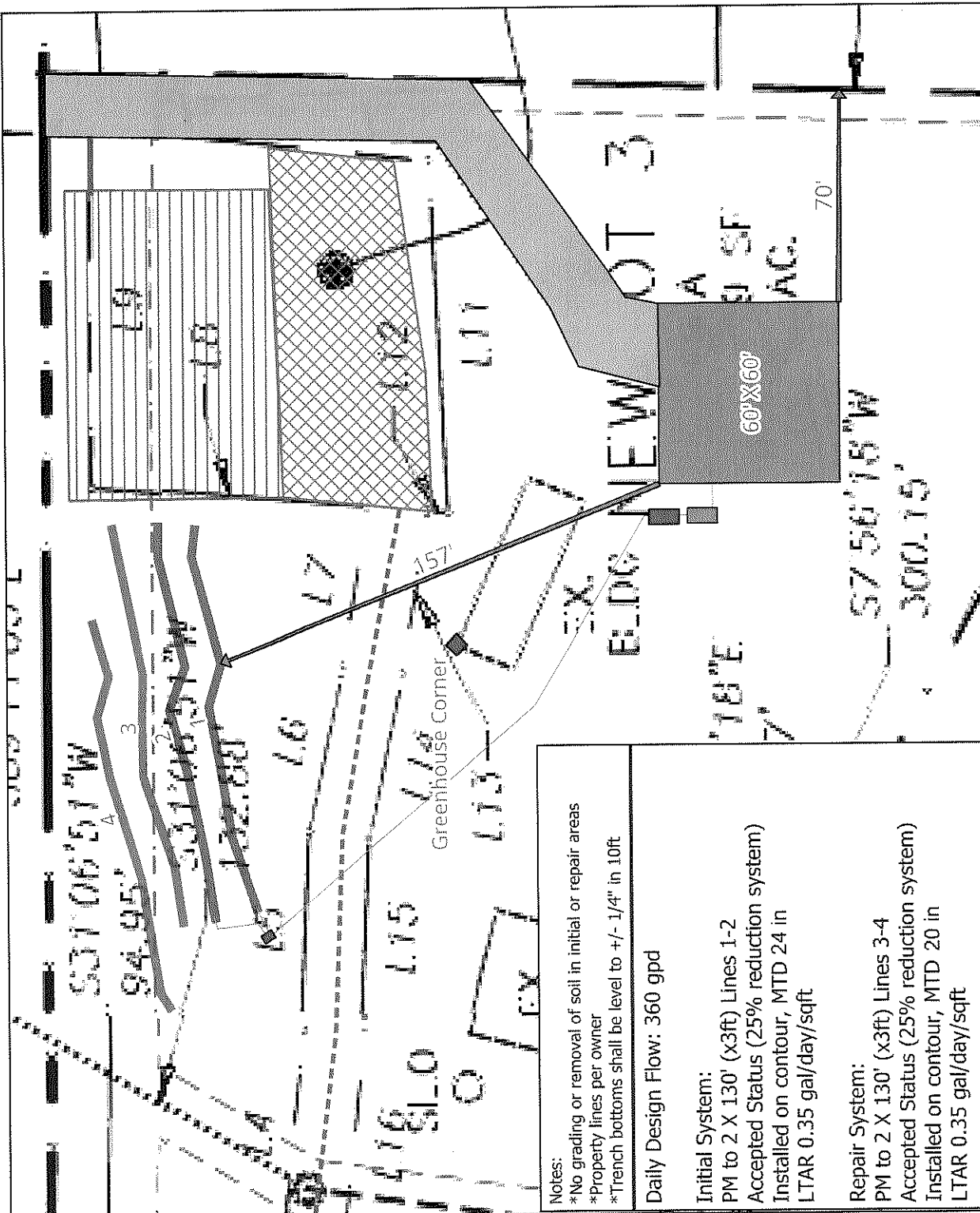
Daily Design Flow: 360 gpd

Initial System:

PM to 2 X 130' (x3ft) Lines 1-2
Accepted Status (25% reduction system)
Installed on contour, MTD 24 in
LTAR 0.35 gal/day/sqft

Repair System:

PM to 2 X 130' (x3ft) Lines 3-4
Accepted Status (25% reduction system)
Installed on contour, MTD 20 in
LTAR 0.35 gal/day/sqft



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0 50 100 ft



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Collins Rd
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PIN 0631-30-2626

7 April 2025

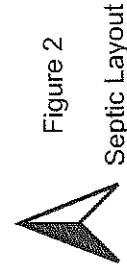


Figure 2
Septic Layout

AOWE EVALUATION

HAL OWEN ASSOCIATES

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INITIAL WASTEWATER SYSTEM

Permit # HOA-AOWE-2502-11

Pressure Manifold Design Criteria

DESIGN DAILY FLOW		<u>360</u>	gallons/day	SOIL LTAR:	<u>0.35</u>	gpd/ft ²
TANKS (min)	Septic Tank:	<u>1000</u>	gallons	Pump Tank:	<u>1000</u>	gallons
SUPPLY LINE	Length:	<u>190</u>	ft	Diameter:	<u>2</u>	" SCH 40 PVC
Minimum flow (gpm) to maintain 2fps scour velocity:					<u>20.9</u>	gpm
TRENCHES	Drainline Type: <u>Accepted (25% reduction) System</u>					
	Maximum Trench Depth of	<u>24</u>	inches,	measured on low side of trench		
	Trench width:	<u>3</u>	feet	Effective Trench Width:	<u>4</u>	ft
	Absorption Area:	<u>771</u>	ft ²	Minimum Linear Length:	<u>257</u>	ft

MANIFOLD Length (ft): 2.5 Diameter: 4" sch 80 pvc Elevation: 100.75
Taps 2 Tap Configuration: 6in. spacing, 1 side of manifold

TAP CHART

Line	Color	Relative Elevation	Length(ft)	Tap Size/ Schedule	flow/tap gpm	gpd/ft	LTAR (gpd/ft ²)
1	Y	99.75	130	3/4"sch 40	12.50	1.385	0.462
2	W	99.24	130	3/4"sch 40	12.50	1.385	0.462
	Total Drainline:		260	Total Flow:	25.00		

Target LTAR*: 0.47

LTAR + 5%: 0.490

PUMP CALCULATIONS

Dose Volume:	<u>127.34</u>	gallons, with Pipe Volume at	<u>75</u>	%	*65.3gal/100ft pipe
Dose Pump Run Time (min):	<u>5.09</u>	Daily Pump Run Time (min):	<u>14.40</u>		
Drawdown (in.):	<u>127</u>	gallons ÷	<u>20.25</u>	gal/ inch =	<u>6.29</u> inches
Pump Tank Elevation (ft):	<u>98.86</u>	Pump Elevation (ft):	<u>93.86</u>		
Friction Head:	<u>3.30</u>	*Hazen Williams Formula (use supply line length+70' for fittings in pump tank)			
Elevation Head:	<u>6.9</u>				
Design Head:	<u>2.0</u>	Total Dynamic Head (TDH):	<u>12.19</u>	ft	

Pump to Deliver: **12.19** ft TDH @ **25.00** 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 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-502

Possible Septic Filter:

Possible Pump Tank: Brantley 1000 PT-237

Vol(qal): 1000 *GPI:* 20,25

Possible Pump:

pump height (in) = 14

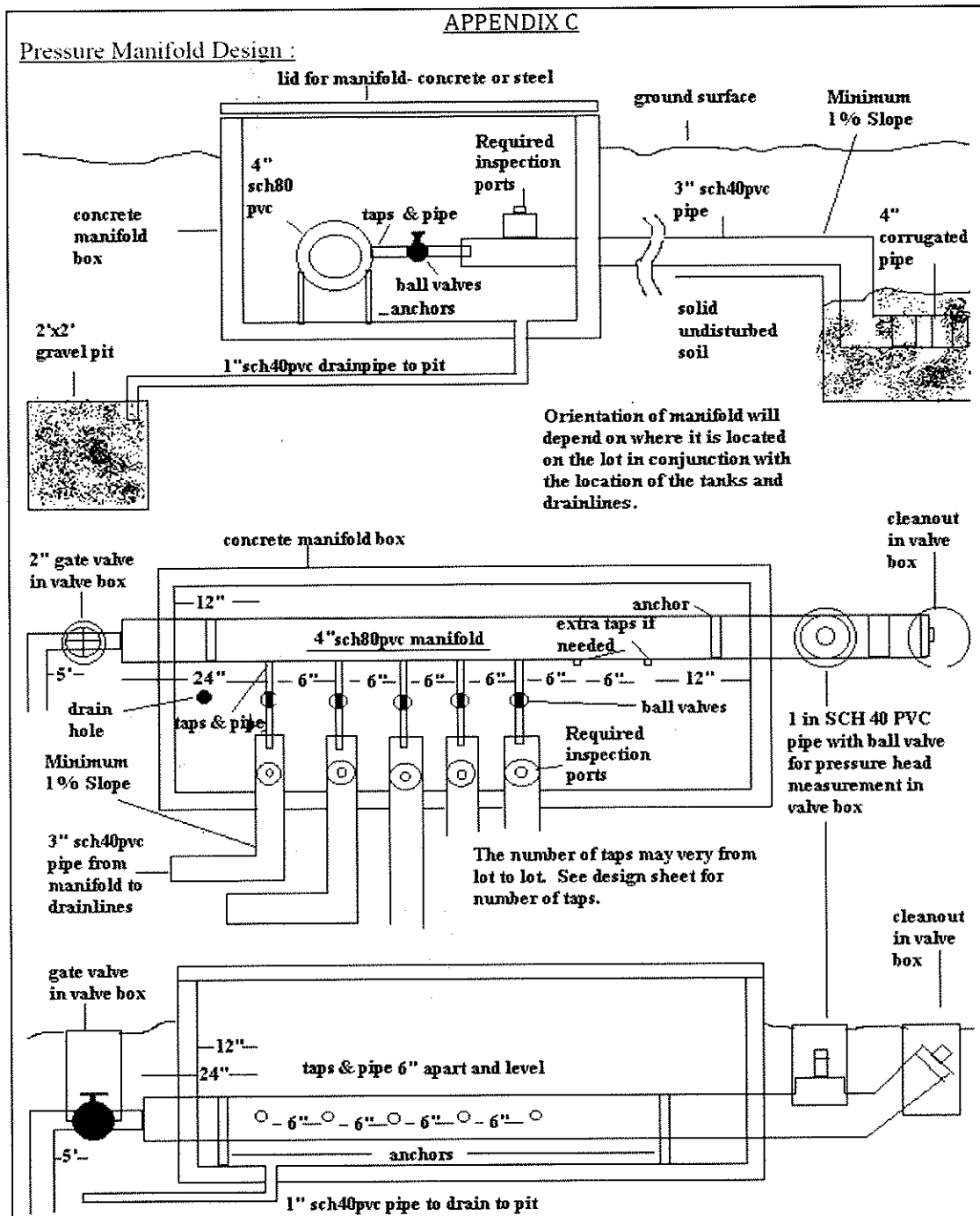
Possible Control Panel:

INITIAL WASTEWATER SYSTEM

Permit # HOA-AOWE-2502-11

Pressure Manifold Diagram

Tap #	1	2
Manifold	4" SCH 80 PVC	
tap size	3/4" sch 40	3/4" sch 40
flow (gpm)	12.50	12.50
length (ft)	130	130

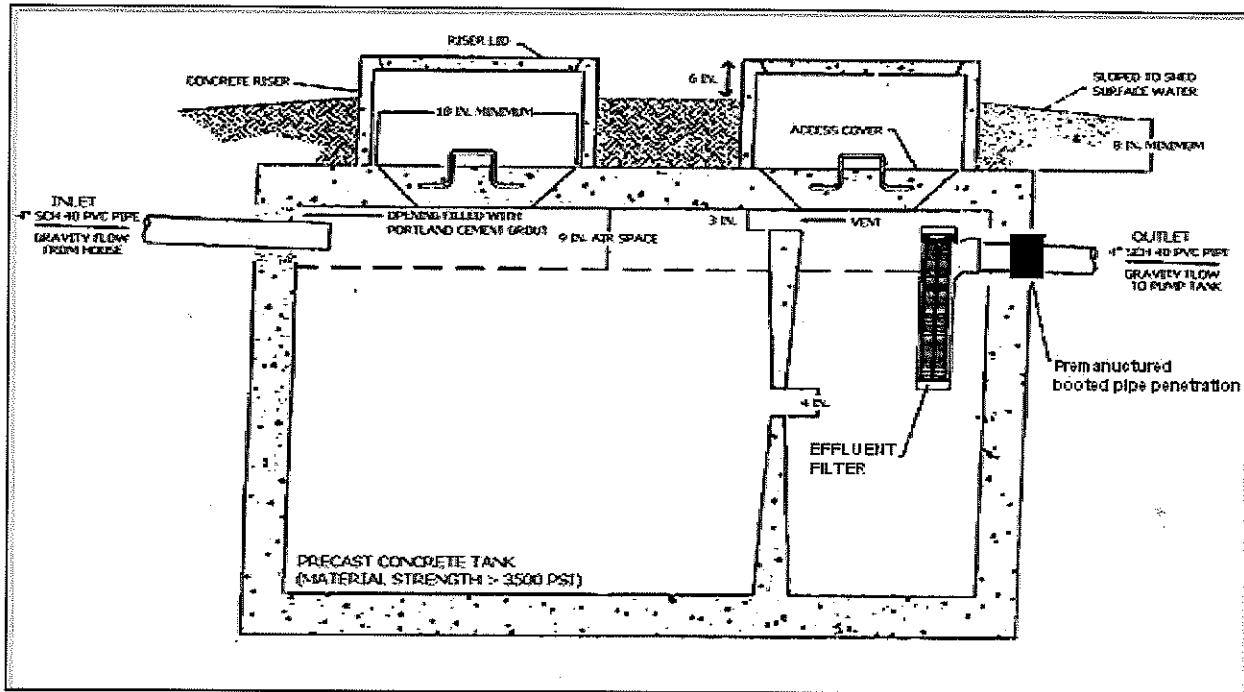
Typical

INITIAL WASTEWATER SYSTEM

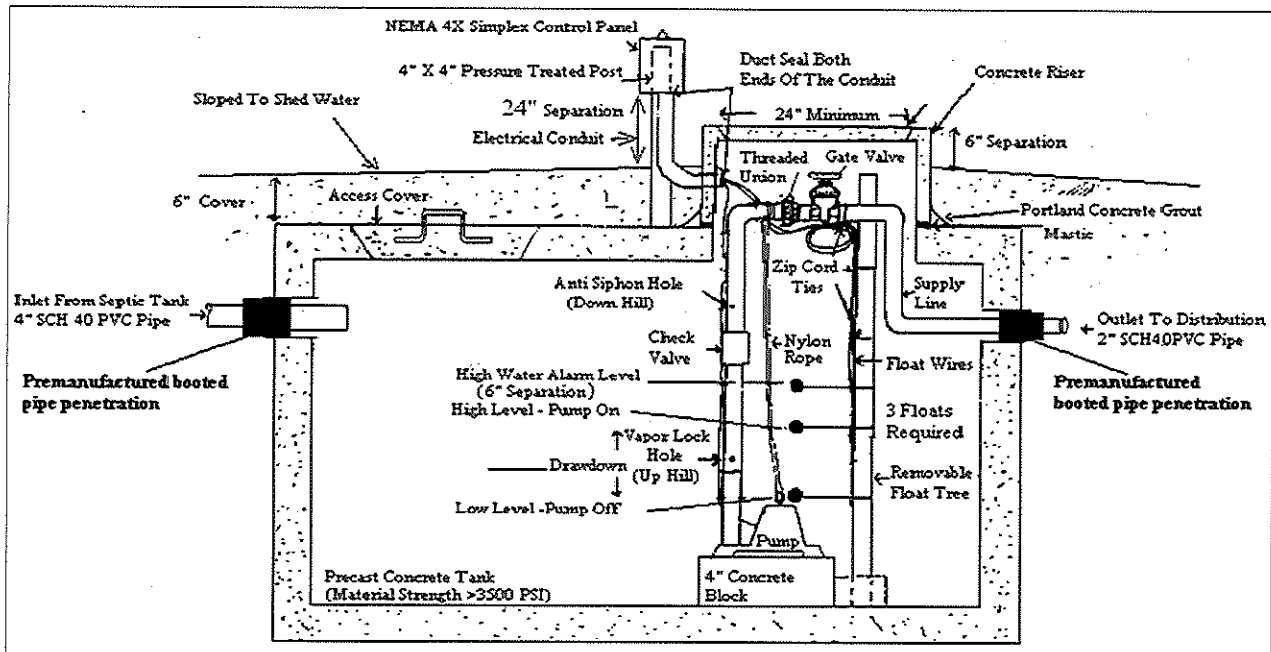
Permit # HOA-AOWE-2502-11

Typical Septic Tank

1000 GALLON SEPTIC TANK, minimum

Typical Pump Tank

1000 GALLON PUMP TANK, minimum



INITIAL WASTEWATER SYSTEM

Permit # HOA-AOWE-2502-11

Pump Tank Calculations:

Possible pump tank: Brantley 1000_PT-237

Possible Pump:

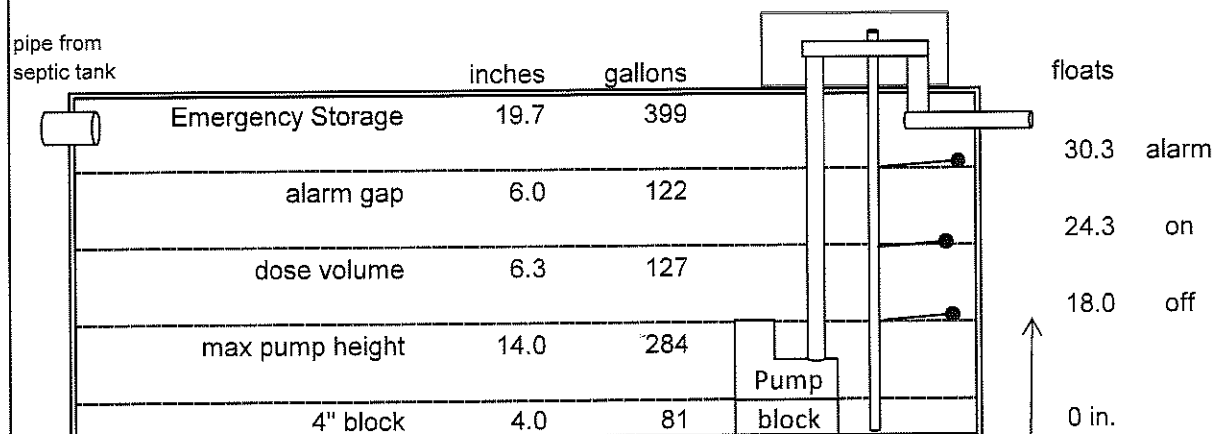
tank GPI (gal/in): 20.25 calculated

height: 14 in

tank volume (gal): 1000 per manufacturer

tank height (in): 50.0 per manufacturer

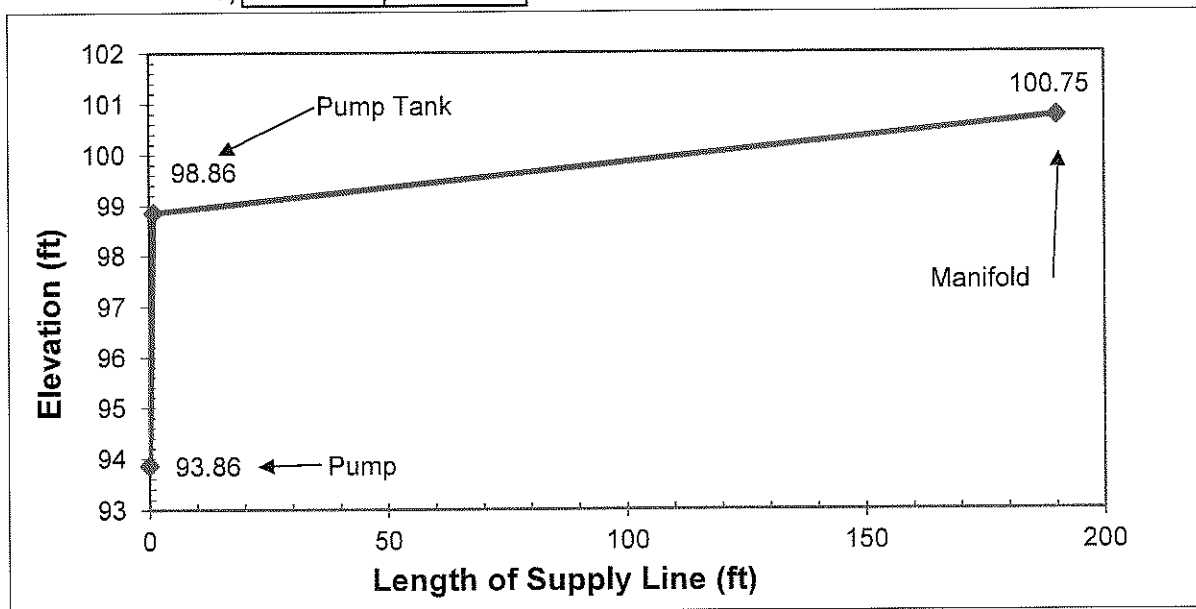
minimum emergency storage: 180 gal



Drawing N.T.S.

Supply Line Profile:

	Distance	Elevation
Pump	0	93.86
pump tank	1	98.86
Pressure manifold	190	100.75
4)		
5)		

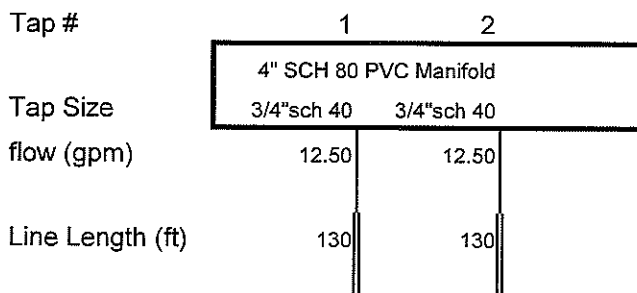


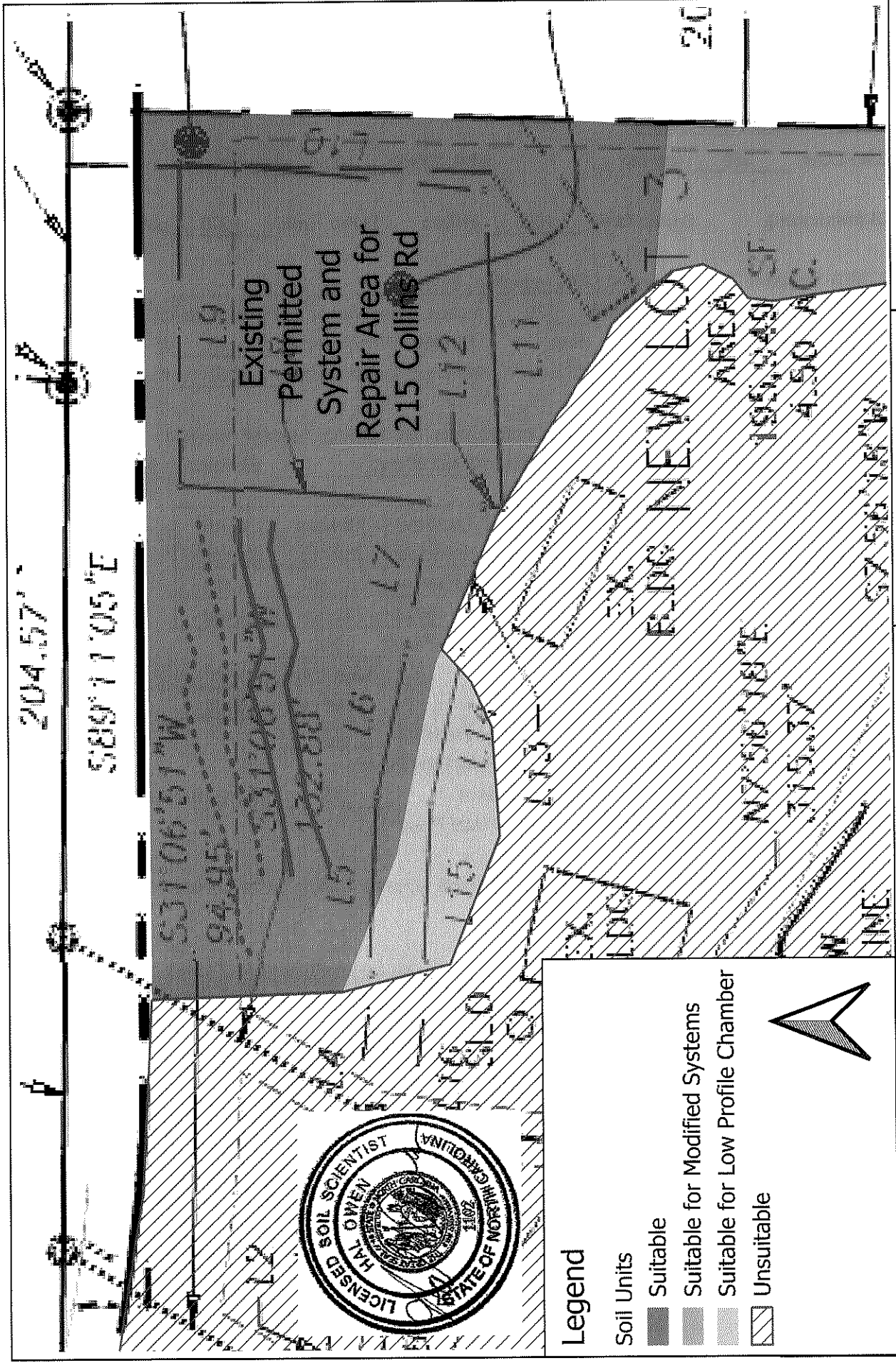
AOWE EVALUATIONHAL OWEN ASSOCIATES
www.halowensoil.com**REPAIR AREA**Permit # HOA-AOWE-2502-11**Pressure Manifold Design Criteria**DESIGN FLOW 360 gal/daySOIL LTAR: 0.35 gpd/ft²TANKS (minimum) Septic Tank: 1000 gallons Pump Tank: 1000 gallonsTRENCHES Drainline Type: Accepted (25% reduction) SystemMaximum Trench Depth of 20 inches, measured on low side of trenchTrench width: 3 feet Effective Trench Width: 4 ftAbsorption Area: 771 ft² Minimum Linear Length: 257 ftMANIFOLD # Taps 2 Tap Configuration: 6in. spacing, 1 side of manifoldLength (ft): 2.5 Diameter: 4" sch 80 pvc Elevation: 99.86**TAP CHART**

Tap #	Line Number	Line Color	Relative Elevation	Drainline Length(ft)	Tap Size/Schedule	Flow/tap (gpm)	LTAR (gpd/ft ²)
1	3	B	98.86	130	3/4"sch 40	12.50	0.462
2	4	R	98.4	130	3/4"sch 40	12.50	0.462

Total Drainline: 260 Total Flow: 25.00Target LTAR*: 0.47**PUMP CALCULATIONS**LTAR + 5%: 0.490Total Flow: 25.00 gpmDesign Head (ft): 2.0Daily Pump Run Time: 14.40 min (Daily Flow/Total Flow)Dose Volume: 127.34 gallons with Pipe Volume at 75 % (65.3gal/100ft pipe)Dose Pump Run 5.09 minutes (Dose Volume/Total Flow)

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

MANIFOLD DIAGRAM:



<div data-bbox="1372 1575 1485 1942"> <p>Hal Owen & Associates Inc. PO Box 400, Lillington, NC 27546 www.halowensoil.com 919-893-8743</p> </div> <div data-bbox="1347 997 1510 1533"> <p>0 50 100 ft</p> <p>For reference only. Not a survey.</p> </div>	<div data-bbox="1347 619 1437 850"> <p>Collins Rd Lillington NC 27546 PIN 0631-30-2626</p> </div> <div data-bbox="1469 661 1502 808"> <p>7 April 2025</p> </div>	<div data-bbox="1404 126 1437 472"> <p>Soil Map for Septic Suitability</p> </div>

AOWE EVALUATION

HAL OWEN ASSOCIATES

www.halowensoil.com

Permit # HOA-AOWE-2502-11

SOIL/SITE EVALUATION FORM FOR ON-SITE WASTEWATER SYSTEM

OWNER NAME: Luzetta J. Dowdy and Kenneth H. Dowdy

PROPOSED FACILITY: Residential DESIGN DAILY FLOW: 360 WATER SUPPLY Public Water

LOCATION OF SITE: Collins Rd, Lillington, NC 27546 PIN: 0631-30-2626

WASTEWATER TYPE: Domestic COUNTY: Harnett

EVALUATION METHOD: AUGER BORING ☒ PIT ☐ CUT ☐

EVALUATED BY: Hal Owen, LSS#1102 DATE EVALUATED: 12/23/24

	INITIAL SYSTEM	REPAIR SYSTEM
AVAILABLE SPACE	771 ft ² trench bottom	771 ft ² trench bottom
SYSTEM TYPE	Accepted (25% reduction) System	Accepted (25% reduction) System
SITE LTAR	0.35 gpd/ft ²	0.35 gpd/ft ²
MAX TRENCH DEPTH	24 inches (measured on downhill side)	20 inches (measured on downhill side)
SITE CLASSIFICATION	Suitable	OTHER FACTORS

COMMENTS:

PROFILE 1

HORIZON DEPTH	COLOR	CONSISTENCE	TEXTURE	STRUCTURE	MINERALOGY	OTHER PROFILE FACTORS	
0-3	10YR 3/2	FR	L		SEXP	LANDSCAPE POSITION	L
3-7	10YR 4/2	VFR	SL	GR	SEXP	SOIL WETNESS DEPTH	>42"
7-17	10YR 5/8	VFR	SL	GR	SEXP	SOIL WETNESS COLOR	NA
17-42	10YR 6/8	FR	SCL	SBK	SEXP	SOIL DEPTH	>42"
						SAPROLITE CLASS	NA
						RESTRICTIVE HORIZON	NA
						SLOPE %	4
PROFILE CLASSIFICATION			Suitable	LTAR gpd/ft ²	0.45	SLOPE CORRECTION (IN)	1.4
COMMENT							

PROFILE 2

HORIZON DEPTH	COLOR	CONSISTENCE	TEXTURE	STRUCTURE	MINERALOGY	OTHER PROFILE FACTORS	
0-7	10YR 4/2	VFR	SL	GR	SEXP	LANDSCAPE POSITION	S
7-16	10YR 5/6	VFR	SL	GR	SEXP	SOIL WETNESS DEPTH	34"
16-42	10YR 6/8	FR	SCL	SBK	SEXP	SOIL WETNESS COLOR	10YR 7/2
						SOIL DEPTH	>42"
						SAPROLITE CLASS	NA
						RESTRICTIVE HORIZON	NA
						SLOPE %	4
PROFILE CLASSIFICATION			Suitable	LTAR gpd/ft ²	0.4	SLOPE CORRECTION (IN)	
COMMENT							

SOIL/SITE EVALUATION FORM FOR ON-SITE WASTEWATER SYSTEM

LEGEND OF ABBREVIATIONS

<u>LANDSCAPE POSITION</u>	<u>TEXTURE GROUP</u>	<u>TEXTURE CLASS</u>	<u>LTAR</u> (gal/day/sqft)
CC - Concave Slope	I	S - Sand	1.2-0.8
CV - Convex Slope		LS - Loamy 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 - Sandy Clay Loam	0.6 – 0.3
H - Head Slope		CL - Clay Loam	
L - Linear Slope		SiL - Silt Loam	
N - Nose Slope		Si - Silt	
R - Ridge		SiCL - Silt Clay Loam	
S - Shoulder Slope			
T - Terrace	IV	SC - Sandy Clay	0.4 – 0.1
TS - Toe Slope		C - Clay	
		SiC - Silty Clay	
		O - Organic	none
<u>STRUCTURE</u>	<u>MOIST CONSISTENCE</u>	<u>WET CONSISTENCE</u>	
G - Single Grain	VFR - Very Friable	NS - Non Stick	
M - Massive	FR - Friable	SS - Slightly Sticky	
CR - Crumb	FI - Firm	MS - Moderately Stick	
GR - Granular	VFI - Very Firm	VS - Very Sticky	
SBK - Subangular Blocky	EFI - Extremely Firm	NP - Non Plastic	
ABK - Angular Blocky		SP - Slightly Plastic	
PL - Platy	<u>MINERALOGY</u>	MP - Moderately Plastic	
PR - Prismatic	SEXP - Slightly Expansive	VP - Very Plastic	
	EXP - Expansive		
<u>MOTTLES</u>	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.

Plan Alterations – 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.

Site Alterations – 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.

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

Authorization to Operate (ATO) – 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.

Change in System Ownership – 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.

Revocation – 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.

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BUSINESS ESSENTIALS

371002389

Amount: \$-51.31

Statement Description: SXM*SIRIUSXM.COM/ACCT 888-635-5144 NYUS Tran Date/Time: 06/27/2025
08:59:41

Check Number: 33516

Posted Date: 6/27/2025

Type: Debit

Status: Pending

6/27/2025 1:05 PM

BUSINESS ESSENTIALS

371002389

Amount: \$2,030.00

Statement Description: CMH HOMES, INC./A/P

Posted Date: 6/27/2025

Type: Credit

Status: Pending

