

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: Mattamy Homes, LLC Mailing address: 11000 Regency Parkway, Suite 110 _{City} : Cary Phone: (704) 616-6107 Email: Lawrence.Mcalister@matt.	
Authorized Onsite Wastewater Evaluator Information: Name: Hal Owen Certific Mailing address: PO Box 400 City: Lillington Phone: 910-893-8743 Email: hal@halowensoil.com	
Site Location Information: Site address: Scarlet Sage Dr Tax parcel identification number or subdivision lot, block number of property: Bloom Subdivision- North, Lot 6 County: Har	-
System Information: Wastewater System Type: Ilb (Accepted wastewater gravity system) Daily Design Flow: 480 gpd Saprolite System: Yes X No Subsurface Operator Required: Water Supply Type: Private Well X Public Water Supply Spring	Yes X No Other:
Facility Type: X 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:	
Required Attachments: V Plat or Site Plan V Evaluation of Soil and Site Features by Licensed Soil Scientist	
Attest: On this the 16 day of June, 2025 by signature below I her included with this NOI to Construct is accurate and complete to the best of my have adhered to the laws and rules governing onsite wastewater systems in the This NOI shall expire on 16 day of June, 2030. Signature of Authorized Onsite Wastewater Evaluator:	state of North Carolina.
Signature of Owner or Legal Representative:	
Disclosure: The owner may apply for a building permit for the project upon su required (if any) to the local health department. An onsite wastewater system a evaluator shall be transferable to a new owner with the consent of the authorize	authorized by an authorized onsite wastewater
Local Health Department Receipt Acknowledgement: Signature of Local Health Department Representative:	Date:



OP ID: TOW

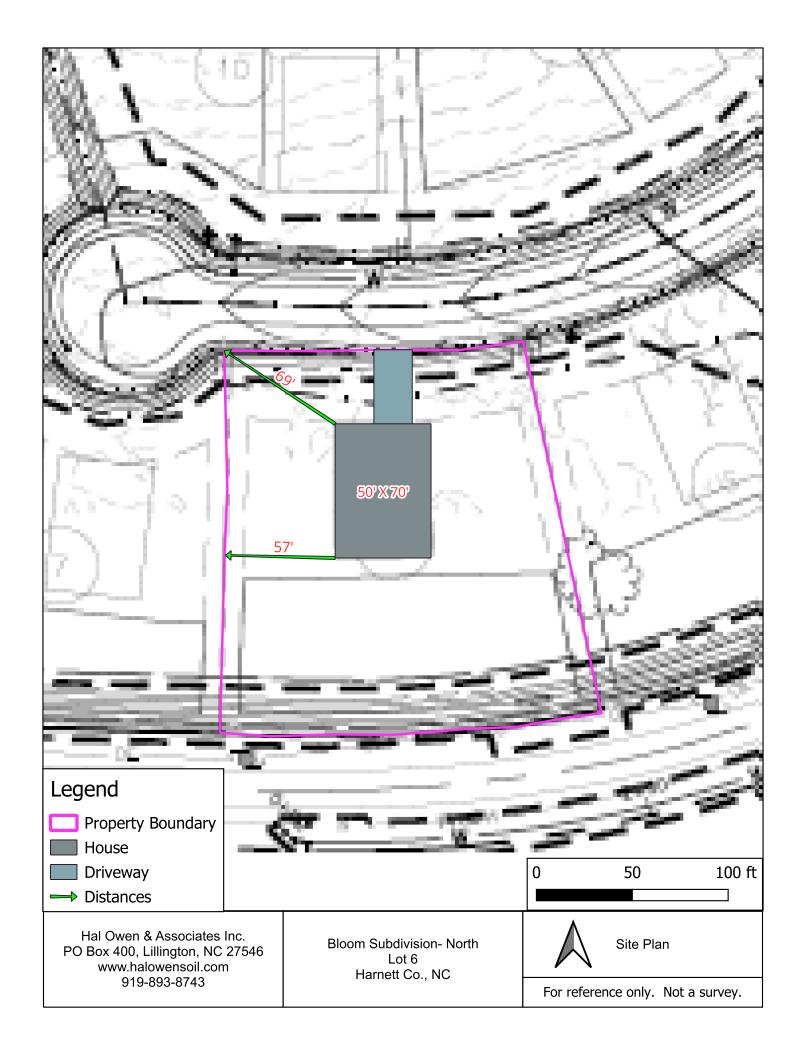


CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 04/02/2025

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.

lf	IPORTANT: If the certificate holder SUBROGATION IS WAIVED, subject his certificate does not confer rights t	to ti	ne te	rms and conditions of th	e poli	cy, certain p	olicies may			
PRO	DUCER URANCE SERVICE CTR -LILLING	0 1110		D-893-5707	CONTACT TAYLOR TURLINGTON					
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LILLINGTON, NC 27546					INSURE	RD:				
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					INSUR	RF:				
				E NUMBER:				REVISION NUMBER:		
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INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER		POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	i	
	COMMERCIAL GENERAL LIABILITY							EACH OCCURRENCE DAMAGE TO RENTED	\$	
	CLAIMS-MADE OCCUR							PREMISES (Ea occurrence)	\$	
								MED EXP (Any one person)	\$	
	OFAIL ACCORDANT LIMIT APPLIES DED.							PERSONAL & ADV INJURY	\$	
	POLICY PRO- JECT LOC							GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	\$	
	OTHER:							TROBOOTO - GOINII 701 AGC	\$	
	AUTOMOBILE LIABILITY							COMBINED SINGLE LIMIT (Ea accident)	\$	
	ANY AUTO							BODILY INJURY (Per person)	\$	
	OWNED SCHEDULED AUTOS								\$	
	HIRED AUTOS ONLY NON-OWNED AUTOS ONLY							PROPERTY DAMAGE (Per accident)	\$	
									\$	
	UMBRELLA LIAB OCCUR							EACH OCCURRENCE	\$	
	EXCESS LIAB CLAIMS-MADE							AGGREGATE	\$	
	DED RETENTION \$							PER OTH-	\$	
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y/N							STATUTE ER		
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)	N/A						E.L. EACH ACCIDENT	\$	
	If yes, describe under							E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	\$	
Α	PROFESSIONAL LIAB.			42ESP00143901		01/27/2025	01/27/2026		Ф	1,000,000
								AGGREGATE		2,000,000
DES	CRIPTION OF OPERATIONS / LOCATIONS / VEHIC	LES (A	ACORE	D 101, Additional Remarks Schedu	le, may b	e attached if mo	re space is requii	red)		
CE	RTIFICATE HOLDER				CANO	CELLATION				
MATTAMY HOMES LLC 11000 REGENCY PARKWAY STE 110				110	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					
	CARY, NC 27518				Taylor Wallace					



AOWE EVALUATION

HOA-AOWE-2503-10

Issue date 6/16/2025
Expiration 6/16/2030

APPLICANT INFORMATION

Name	Mattamy Homes, LLC			
Mailing Address	11000 Regency Parkway, Suite 110, Cary, NC 27518			
E-mail Address	Lawrence.Mcalister@mattamycorp.co	Telephone Number	704-616-6107	

PROPERTY IDENTIFIERS

County	Harnett	PIN	
Size (Acre)		County PID	
Site Address	Scarlet Sage Dr		
S/D Name and Lot#	Bloom Subdivision- North, Lot 6		

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	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

Permit # HOA-AOWE-2503-10

Proposed Design Daily Flow	480	gpd	Drainfield Meeets Req	uirements:
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	IIb – Accepted	wastewate	er gravity sy	stem		
Pump Required	No			ft TDH at		GPM
Trenches:	Accepted (25%	reduction) System			
Design LTAR		0.40	gal/day/ft ²	Sapro	olite System	No
Total Trench/ Bed	d Length	300	feet		Fill System	No
Trench Spacing		9	ft on center	٢		
Usable soil depth	to LC	40	inches			
Maximum Trench Depth		24	inches, measured on downhill side of trench			
Minimum Soil Co	ver	6	inches			
Artificial Drainage	Required	No				

Repair System

System Type:	IIb – Accepted	wastewate	er gravity system				
Pump Required	No						
Trenches:	Accepted (25%	reduction) System				
Design LTAR		0.40	gal/day/ft²	Saprolite System	No		
Total Trench/ Bed Length		300	feet	Fill System	No		
Trench Spacing		9	ft on center				
Usable soil depth to LC		40	inches				
Maximum Trench Depth of		24	inches, measured on downhill side of trench				
Minimum Soil Cover		6	inches				

Potential Drainlines flagged at site on 9-ft centers.

	Field	Drainline	Relative		
_	ngth(ft)	Length(ft)	Elevation (ft)	Color	Line #
] Initia	178	150	101.24	W	1
_ =	183	150	100.92	В	2
ր .≌	143	130	100.71	R	3
Repair	103	90	100.33	Υ	4
_ &	87	80	100.20	W	5
			101.89	ank:	Septic T
	Notes:		100.00	e Elev:	Referenc

^{*}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-2503-10

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.

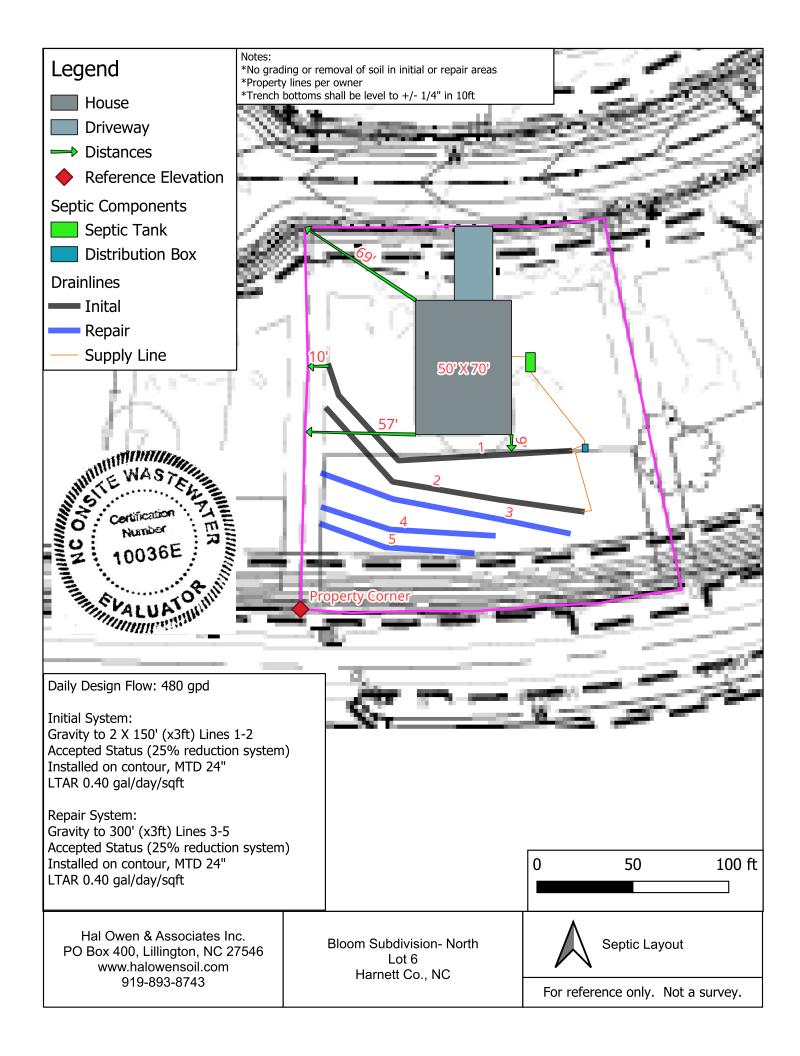
SPECIFIC REQUIREMENTS

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.

A pump tank should be added if gravity distribution cannot be demonstrated.

Gutter drains must be diverted away from the drainfield



INITIAL WASTEWATER SYSTEM

Permit # HOA-AOWE-2503-10

300

Gravity System Design Criteria

Actual Trench Length: 2

DESIGN DAILY FLOW 480 gallons **SOIL LTAR:** 0.40 gpd/ft² TANK (minimum) Septic Tank: 1000 gallons **SUPPLY LINE** Length (ft): 40 Diameter: 3 "sch 40 pvc slope = 1.38% *minimum slope of supply line is 1/8" per foot (%1.04) **TRENCHES** Drainline Type: Accepted (25% reduction) System Maximum Trench Depth of 24 inches, measured on downhill side Trench height: 12 Trench width: 3 inches Trench Length Factor: ____75 % Effective Trench Width: 4 ft² Absorption Area: 900 Minimum Linear Length: 300 ft

Χ

150

Gravity Distri	ibution Schematic			
<i>Septic Tank</i> Ground	Tank Outlet*	D-Box	<i>Trench</i> Ground	
Elev (ft)= 101.89 ft	Depth (in) = 12 Elev (ft)= 100.89	Elev (ft)= 100.34	Elev (ft)= 101.24	=
PALT PROPERTY OF THE PROPERTY	## # # 1 1 	D-box ly Line	Trench Drainline	Trench Bottom Elev (ft)= 99.24
PRECAST CON MATERIAL ST	CRETE TANK RICKTH > 3500 PSI)		drawing N	N.T.S.

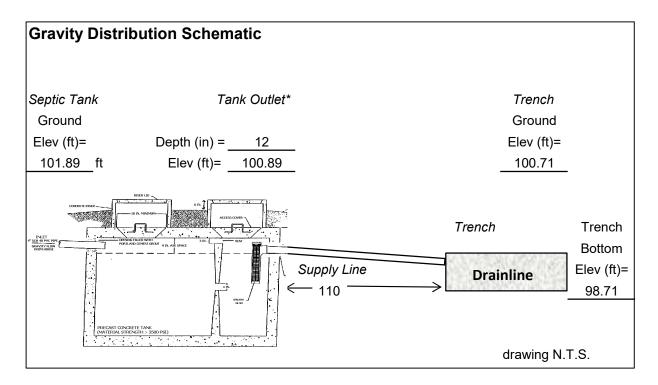
^{*}Outlet depth of septic tank is dependant upon the depth of the plumbing stub out from the home. A pump tank should be added if gravity distribution cannot be demonstrated.

REPAIR WASTEWATER SYSTEM

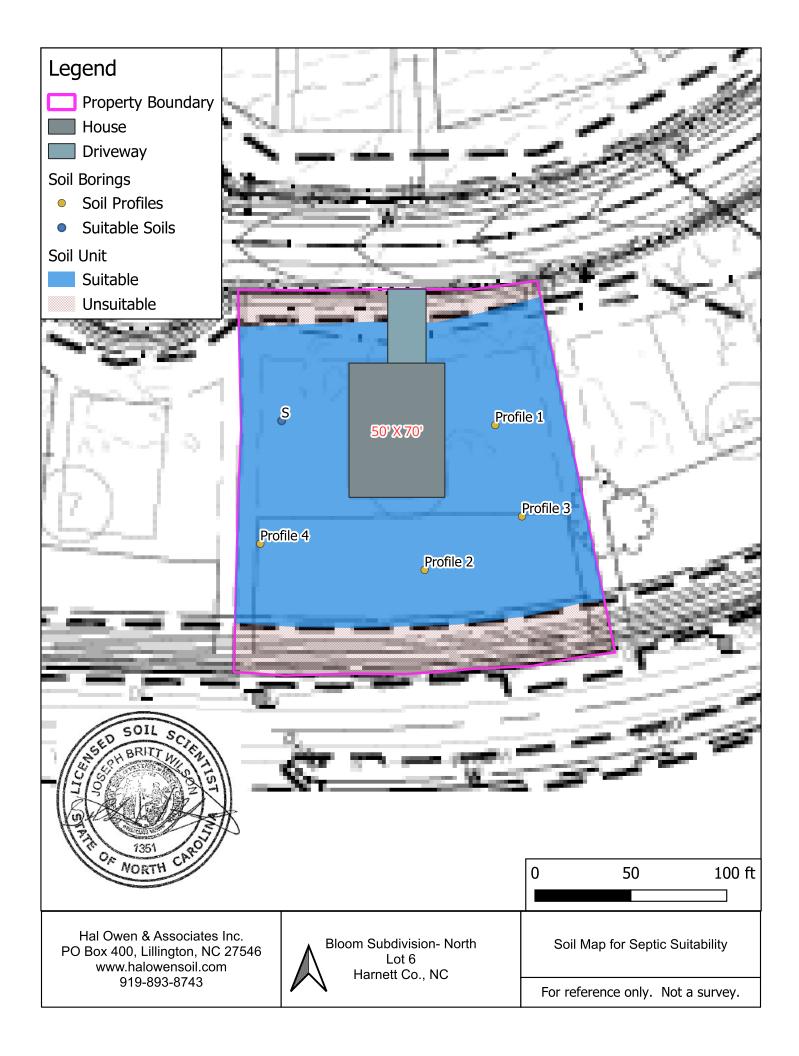
Permit # HOA-AOWE-2503-10

Gravity System Design Criteria

DESIGN DAILY FLOW 480 gallons **SOIL LTAR:** 0.40 gpd/ft² TANK (minimum) Septic Tank: 1000 gallons **SUPPLY LINE** Length (ft): 110 Diameter: 3 "sch 40 pvc slope = 1.07% *minimum slope of supply line is 1/8" per foot (%1.04) **TRENCHES** Drainline Type: Accepted (25% reduction) System Maximum Trench Depth of 24 inches, measured on downhill side Trench height: 12 Trench width: 3 inches Effective Trench Width: 4 Trench Length Factor: _____75 % Absorption Area: 900 Minimum Linear Length: 300 Actual Trench Length: 1 Χ 300 300



^{*}Outlet depth of septic tank is dependant upon the depth of the plumbing stub out from the home. A pump tank should be added if gravity distribution cannot be demonstrated.



AOWE EVALUATION

Permit # HOA-AOWE-2503-10

SOIL/SITE EVALUATION FORM FOR ON-SITE WASTEWATER SYSTEM

OWNER NAME:	Mattamy Homes, LLC				
PROPOSED FACILITY:	Residential	DESIGN DAILY FLOW	/: <u>480</u>	WATER SUPPLY P	ublic Water
LOCATION OF SITE:	Scarlet Sage Dr		PIN:	0	
WASTEWATER TYPE:	Domestic		COUNTY:	Harnett	
EVALUATION METHOD	: AUGER BORING	PI	Т 🗌	сит 🗆	
EVALUATED BY:	Britt Wilson, LSS#1351		DA	ATE EVALUATED: <u>3/</u>	31/25
	INITIAL SYST	EM		REPAIR SYSTEM	
AVAILABLE SPACE	900 ft ² trench bot	tom	900	ft ² trench bottom	
SYSTEM TYPE	Accepted (25% r	eduction) System	Acce	pted (25% reduction)	System
SITE LTAR	0.40 gpd/ft ²		0.40	gpd/ft ²	
MAX TRENCH DEPTH	24 inches (meas	ured on downhill side)	24	inches (measured o	n downhill side
SITE CLASSIFICATION	Suitable	OTH	ER FACTORS		

COMMENTS:

PROFILE 1

HORIZON	COLOR	CONSIS	TEXTURE	STRUCTURE	MINERA	OTHER PROFILE FACTORS	
DEPTH		TENCE			LOGY		
0-9	2.5Y 4/2	VFR	LS	GR	SEXP	LANDSCAPE POSITION	L
9-20	2.5Y 6/4	VFR	LS	GR	SEXP	SOIL WETNESS DEPTH	39"
20-34	10YR 5/6	FR	SCL	SBK	SEXP	SOIL WETNESS COLOR	10YR 7/2
34-45+	10YR 6/6	FI	SCL	SBK	SEXP	SOIL DEPTH	45"
						SAPROLITE CLASS	NA
						RESTRICTIVE HORIZON	NA
						SLOPE %	3
PROFILE CLASSIFICATION			Suitable	LTAR gpd/ft ²	0.4	SLOPE CORRECTION (IN)	1.1
COMMENT	COMMENT						

PROFILE 2

HORIZON	COLOR	CONSIS	TEXTURE	STRUCTURE	MINERA	OTHER PROFILE FACTORS	
DEPTH		TENCE			LOGY		
0-10	2.5Y 4/2	VFR	SL	GR	SEXP	LANDSCAPE POSITION	L
10-21	2.5Y 6/4	VFR	SL	GR	SEXP	SOIL WETNESS DEPTH	41"
21-32	10YR 6/6	FR	SL	GR	SEXP	SOIL WETNESS COLOR	10YR 7/2
32-39	10YR 6/6	FR	SCL	SBK	SEXP	SOIL DEPTH	43"
39-43+	10YR 5/6	FI	SCL	SBK	SEXP	SAPROLITE CLASS	NA
						RESTRICTIVE HORIZON	NA
						SLOPE %	3
PROFILE CLASSIFICATION		Suitable	LTAR gpd/ft ²	0.4	SLOPE CORRECTION (IN)	1.1	
COMMENT							

PROFILE 3

HORIZON	COLOR	CONSIS	TEXTURE	STRUCTURE	MINERA	OTHER PROFILE FACTORS	
DEPTH		TENCE			LOGY		
0-8	2.5Y 4/2	VFR	LS	GR	SEXP	LANDSCAPE POSITION	L
8-19	10YR 5/6	FR	SCL	SBK	SEXP	SOIL WETNESS DEPTH	40"
19-38	10YR 6/6	FR	SCL	SBK	SEXP	SOIL WETNESS COLOR	10YR 7/2
38-48+	10YR 6/6	FI	SC	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 4

FROFILE 4							
HORIZON	COLOR	CONSIS	TEXTURE	STRUCTURE	MINERA	OTHER PROFILE FACTORS	
DEPTH		TENCE			LOGY		
0-10	2.5Y 4/2	VFR	SL	GR	SEXP	LANDSCAPE POSITION	L
10-13	2.5Y 4/2	VFR	SL	GR	SEXP	SOIL WETNESS DEPTH	45"
13-29	10YR 5/6	FR	SCL	SBK	SEXP	SOIL WETNESS COLOR	10YR 7/2
29-41	10YR 5/8	FI	SCL	SBK	SEXP	SOIL DEPTH	51"
41-51+	10YR 5/8	FI	SC	SBK	SEXP	SAPROLITE CLASS	NA
						RESTRICTIVE HORIZON	NA
						SLOPE %	3
PROFILE CLASSIFICATION			Suitable	LTAR gpd/ft ²	0.4	SLOPE CORRECTION (IN)	1.1
COMMENT			-		-		

AOWE EVALUATION

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.