

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Dept. Health & Human Services
Div. Environmental Health, 11SHS
(207) 287-2070 Fax: (207) 287-4172

PROPERTY LOCATION		>> CAUTION: LPI APPROVAL REQUIRED <<	
City, Town, or Plantation	Southwest Harbor	Town/City	<u>SOUTHWEST HARBOR</u> Permit # <u>1978</u>
Street or Road	490 Seawall Rd.	Date Permit Issued	<u>7/31/25</u> Fee: \$ <u>305.00</u> Double Fee Charged ☐
Subdivision, Lot #		<i>John Larson</i>	L.P.I. # <u>960</u>
OWNER/APPLICANT INFORMATION		Local Plumbing Inspector Signature	
Name (last, first, MI)	Walsh, Stephen	Fee: \$ <u>62.52</u> state min fee \$ <u>242.50</u>	Locally adopted fee
Mailing Address of Owner/Applicant	490 Seawall Rd Southwest Harbor, ME 04679	Copy: ☐ Owner ☐ Town ☒ State	
Daytime Tel. #	(774)-270-0435	The Subsurface Wastewater Disposal System shall not be installed until a Permit is issued by the Local Plumbing Inspector. The Permit shall authorize the owner or installer to install the disposal system in accordance with this application and the Maine Subsurface Wastewater Disposal Rules.	
		Municipal Tax Map # <u>019</u>	Lot # <u>004</u>

OWNER OR APPLICANT STATEMENT	CAUTION: INSPECTION REQUIRED
I state and acknowledge that the information submitted is correct to the best of my knowledge and understand that any falsification is reason for the Department and/or Local Plumbing Inspector to deny a Permit.	I have inspected the installation authorized above and found it to be in compliance with the Subsurface Wastewater Disposal Rules Application.
<i>Stephen Walsh</i> Signature of Owner or Applicant	<i>John Larson</i> Local Plumbing Inspector Signature
Date <u>7/31/25</u>	(1st) date approved
	(2nd) date approved

PERMIT INFORMATION	
TYPE OF APPLICATION ☐ 1. First Time System ☒ 2. Replacement System Type replaced: <u>Concrete Cha</u> Year installed: <u>1987</u> ☐ 3. Expanded System ☐ a. <25% Expansion ☐ b. >25% Expansion ☐ 4. Experimental System ☐ 5. Seasonal Conversion	THIS APPLICATION REQUIRES ☐ 1. No Rule Variance ☐ 2. First Time System Variance ☐ a. Local Plumbing Inspector Approval ☐ b. State & Local Plumbing Inspector Approval ☒ 3. Replacement System Variance ☒ a. Local Plumbing Inspector Approval ☐ b. State & Local Plumbing Inspector Approval ☐ 4. Minimum Lot Size Variance ☐ 5. Seasonal Conversion Permit
SIZE OF PROPERTY <u>.99</u> ☐ SQ. FT. ☒ ACRES	DISPOSAL SYSTEM TO SERVE ☒ 1. Single Family Dwelling Unit, No. of Bedrooms: <u>4</u> ☐ 2. Multiple Family Dwelling, No. of Units: _____ ☐ 3. Other: _____ (specify) Current Use ☒ Seasonal ☐ Year Round ☐ Undeveloped
SHORELAND ZONING ☐ Yes ☒ No	DISPOSAL SYSTEM COMPONENTS ☒ 1. Complete Non-engineered System ☐ 2. Primitive System (graywater & alt. toilet) ☐ 3. Alternative Toilet, specify: _____ ☐ 4. Non-engineered Treatment Tank (only) ☐ 5. Holding Tank, _____ gallons ☐ 6. Non-engineered Disposal Field (only) ☐ 7. Separated Laundry System ☐ 8. Complete Engineered System (2000 gpd or more) ☐ 9. Engineered Treatment Tank (only) ☐ 10. Engineered Disposal Field (only) ☐ 11. Pre-treatment, specify: _____ ☐ 12. Miscellaneous Components TYPE OF WATER SUPPLY ☐ 1. Drilled Well ☐ 2. Dug Well ☐ 3. Private ☒ 4. Public ☐ 5. Other

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)			
TREATMENT TANK ☒ 1. Concrete ☒ a. Regular ☐ b. Low Profile ☐ 2. Plastic ☐ 3. Other: _____ CAPACITY: <u>1000</u> GAL.	DISPOSAL FIELD TYPE & SIZE ☐ 1. Stone Bed ☐ 2. Stone Trench ☒ 3. Proprietary Device ☐ a. cluster array ☐ c. Linear ☐ b. regular load ☐ d. H-20 load ☐ 4. Other: <u>28 Eljen B43 Modules</u> SIZE: <u>420</u> ☒ sq. ft. ☐ lin. ft.	GARBAGE DISPOSAL UNIT ☒ 1. No ☐ 2. Yes ☐ 3. Maybe If Yes or Maybe, specify one below: ☐ a. multi-compartment tank ☐ b. _____ tanks in series ☐ c. increase in tank capacity ☒ d. Filter on Tank Outlet	DESIGN FLOW <u>360</u> gallons per day BASED ON: ☒ 1. Table 4A (dwelling unit(s)) ☐ 2. Table 4C (other facilities) SHOW CALCULATIONS for other facilities ☐ 3. Section 4G (meter readings) ATTACH WATER METER DATA
SOIL DATA & DESIGN CLASS PROFILE CONDITION <u>12/3/C</u> at Observation Hole # <u>TP-1</u> Depth <u>18</u> " of Most Limiting Soil Factor	DISPOSAL FIELD SIZING ☐ 1. Medium—2.6 sq. ft. / gpd ☒ 2. Medium—Large 3.3 sq. ft. / gpd ☐ 3. Large—4.1 sq. ft. / gpd ☐ 4. Extra Large—5.0 sq. ft. / gpd	EFFLUENT/EJECTOR PUMP ☐ 1. Not Required ☐ 2. May Be Required ☒ 3. Required Specify only for engineered systems: DOSE: _____ gallons	LATITUDE AND LONGITUDE at center of disposal area Lat. 44 _____ d 14 _____ m 57.20 s Lon. 68 _____ d 17 _____ m 48.37 s if g.p.s, state margin of error: 30'

SITE EVALUATOR STATEMENT			
I certify that on <u>7/9/25</u> (date) I completed a site evaluation on this property and state that the data reported are accurate and that the proposed system is in compliance with the State of Maine Subsurface Wastewater Disposal Rules (10-144A CMR 241).			
<i>Aaron Leighton</i> Site Evaluator Signature	SE#00439 SE #	<u>7/23/25</u> Date	
Aaron Leighton Site Evaluator Name Printed	(207)-598-6515 Telephone Number	aleighton94@outlook.com E-mail Address	

Note : Changes to or deviations from the design should be confirmed with the Site Evaluator.

Department of Health & Human Services
Division of Environmental Health
(207)287-5672 Fax:(207)287-3165

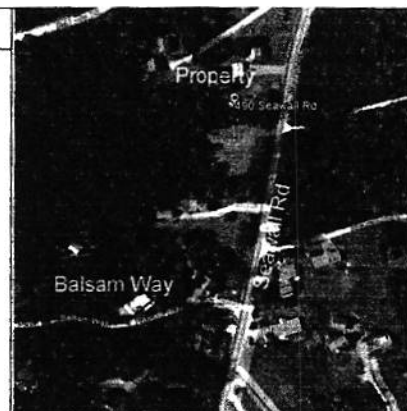
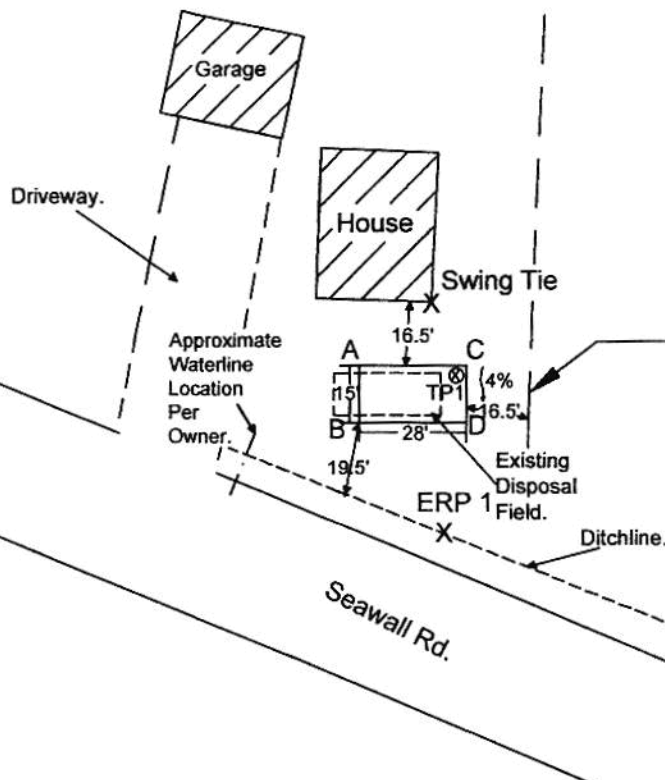
Street, Road, Subdivision
490 Seawall Rd.

Owner's Name
Walsh, Stephen

Scale 1"= 50 ft. or as shown

A-C 5 N

Swing Tie 1: House Corner.



Approximate
property
line location
per owner.

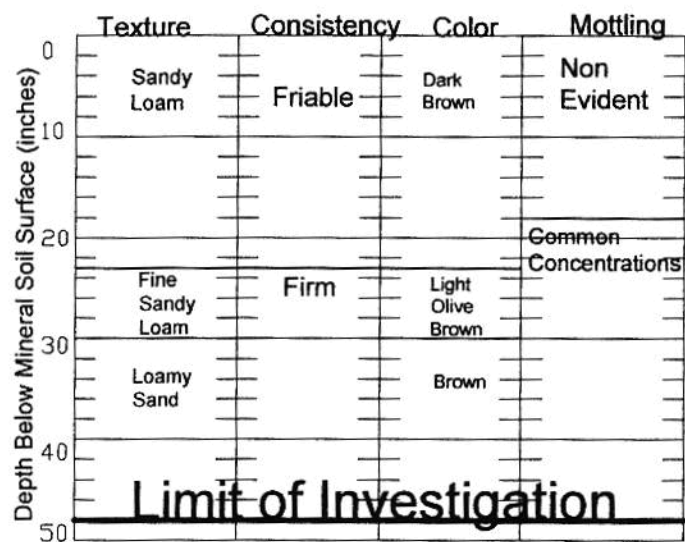
Remove existing Disposal Field and tank and all contaminated soil and dispose of per maine rules.

Corner Reference from ERP and Swing Tie

	ERP 1	Swing Tie
A	49'-0"	25'-0"
B	-	-
C	44'-3"	18'-11"
D	-	-

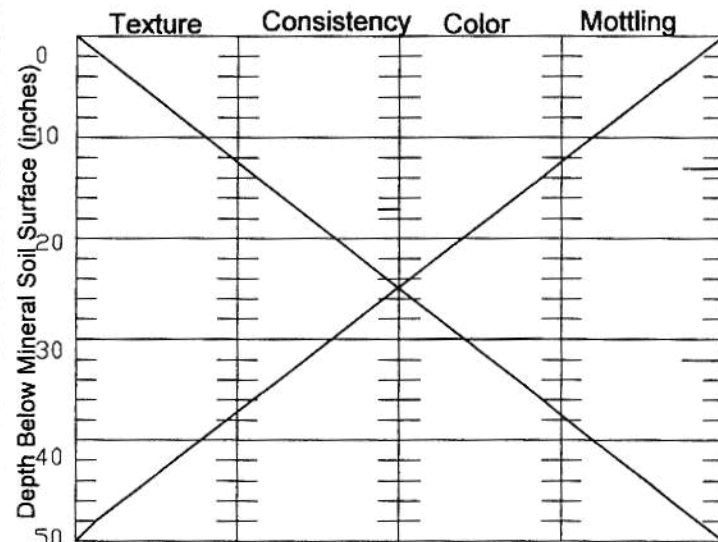
SOIL DESCRIPTION AND CLASSIFICATION (Location of Observation Holes Shown Above)

Observation Hole TP 1 ☒ Test Pit ☐ Boring
1 "Depth of Organic Horizon Above Mineral Soil



Soil Classification	Slope	Limiting Factor	☒ Ground Water
<u>12/3 C</u>	<u>4</u> %		☐ Restrictive Layer
Profile Condition		<u>18</u> "	☐ Bedrock
			☐ Pit Depth

Observation Hole TP 2 ☐ Test Pit ☐ Boring
 "Depth of Organic Horizon Above Mineral Soil



Soil Classification	Slope	Limiting Factor	☐ Ground Water
	_____ %		☐ Restrictive Layer
Profile Condition		_____ "	☐ Bedrock
			☐ Pit Depth

Ann Tupper

00439

7/23/25

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Health & Human Services
Division of Environmental Health
(207) 287-5672 Fax: (207) 287-3165

Town, City, Plantation
Southwest Harbor

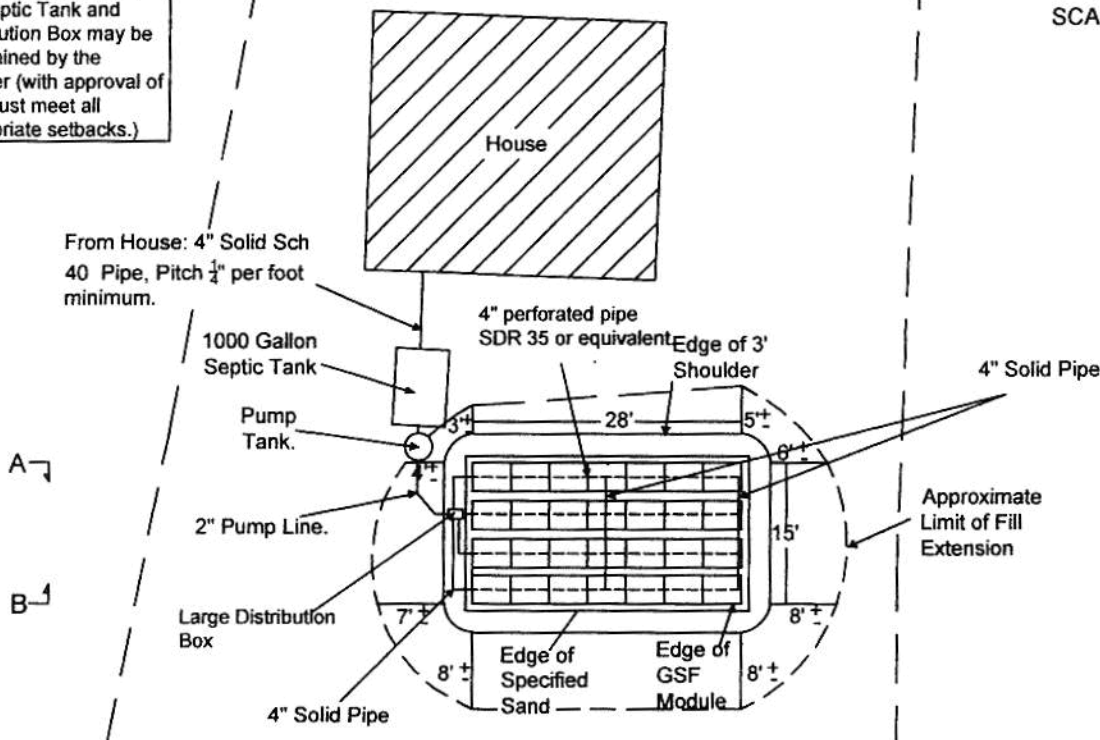
Street, Road, Subdivision
490 Seawall Rd.

Owner's Name
Walsh, Stephen

SUBSURFACE WASTEWATER DISPOSAL PLAN

Note: Final Location of the Septic Tank and Distribution Box may be determined by the Installer (with approval of LPI, must meet all appropriate setbacks.)

0
SCALE: 1" = 20 FT.



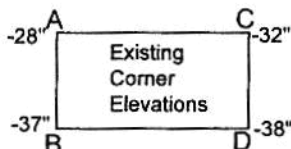
FILL REQUIREMENTS

CONSTRUCTION ELEVATIONS

ELEVATION REFERENCE POINT

Depth of Fill (Upslope)	13"-17"	Finished Grade Elevation (at corners)	-15"	Location & Description:	Pg 2
		Top of Distribution Pipe or Proprietary Device	-23"	Reference Elevation:	0"
Depth of Fill (Downslope)	22"-23"	Bottom of Disposal Area	-34"		

DISPOSAL AREA CROSS SECTION



Scale

Horizontal 1" = ____ ft.
Vertical 1" = ____ ft.

- Install all erosion control methods if needed before construction.
- All systems are located within owner/ applicants property as per the owner/owner representative.
- Septic tank to be 8' minimum from building and water tight. (one-piece tank recommended). Take precautions to prevent tank from floating during and after installation.
- Final grading to be completed so that surface and groundwater are diverted from the disposal field.
- Protect all piping and distribution box from frost.
- Well to be a minimum of 100' from septic system, 50' minimum from septic tank.
- Disposal field to be 20' min from foundation or frost wall, or 15' from slab.
- Septic Tank to have water tight access covers to grade. Pump tank to have water tight access covers to grade.
- THIS SYSTEM IS NOT DESIGNED FOR A VEHICULAR LOAD.
- THIS SYSTEM IS NOT DESIGNED FOR BACKWASH FROM A WATER SOFTNER.
- THIS SYSTEM IS NOT DESIGNED FOR USE WITH A GARBAGE DISPOSAL.

Amr Taha

00430

7/23/25



**Maine Center for Disease
Control and Prevention**
An Office of the
Department of Health and Human Services

Department of Health and Human Services
Maine Center for Disease Control and Prevention
286 Water Street
11 State House Station
Augusta, Maine 04333-0011
Tel: (207) 287-5672
Fax: (207) 287-4172; TTY: 1-800-606-0215

SUBSURFACE WASTEWATER DISPOSAL SYSTEM VARIANCE REQUEST

This form must accompany an application (HHE-200 Form) for any subsurface wastewater disposal system which requires a variance to provisions of the Subsurface Wastewater Disposal Rules. The Local Plumbing Inspector must not issue a permit for the installation of a subsurface wastewater disposal system requiring a variance from the Department of Health and Human Services until approval has been received from the Department.

GENERAL INFORMATION

Town of Southwest Harbor

Property Owner's Name: Stephe Walsh

Tel. No.: 774-270-0435

System's Location: 490 Seawall Rd Southwest Harbor, ME

Property Owner's Address: 490 Seawall Rd Southwest Harbor, ME

Zip Code 04679

e-mail address: spwmcw@gmail.com

The subsurface wastewater disposal system design for the subject property requires a ☒ replacement system variance ☐ first time system variance to the Subsurface Wastewater Disposal Rules. This variance requires ☒ local approval ☐ local and state approval.

SPECIFIC VARIANCE REQUESTED (To be filled in by Site Evaluator. Use additional sheets if needed.)

1. Distance from ditchline 25' to 16.5 feet

2. Distance to Foundation 20' down to 16.5'

3. _____

SECTION OF RULE

Section 9

Section 9

SITE EVALUATOR

When a property is found to be unsuitable for subsurface wastewater disposal by a licensed Site Evaluator, the Evaluator shall so inform the property owner. If the property owner, after exploring all other alternatives, wishes to request a variance to the Rules, and the Evaluator in his professional opinion feels the variance request is justified and the site limitations can be overcome, he shall document the soil and site conditions on the Application. The Evaluator shall list the specific variances necessary plus describe below the proposed system design and function. The Evaluator shall further describe how the specific site limitations are to be overcome, and provide any other support documentation as required prior to consideration by the Department. Attach a separate sheet if necessary.

The proposed site in my opinion is the best location for the septic system due to site constraints including wet soil.

I, Aaron Leighton, S.E., certify that a variance to the Rules is necessary since a system cannot be installed which will completely satisfy all the Rule requirements. In my judgment, the proposed system design on the attached Application is the best alternative available; enhances the potential of the site for subsurface wastewater disposal; and that the system should function properly.

Aaron Leighton
SIGNATURE OF SITE EVALUATOR

7/23/25

DATE

PROPERTY OWNER

I, Stephen Walsh, am the ☐ owner ☐ agent for the owner of the subject property. I understand that the installation on the Application is not in total compliance with the Rules. Should the proposed system malfunction, I release all concerned provided they have performed their duties in a reasonable and proper manner, and I will promptly notify the Local Plumbing Inspector and make any corrections required by the Rules. By signing the variance request form, I acknowledge permission for representatives of the Department to enter onto the property to perform such duties as may be necessary to evaluate the variance request.

Stephen Walsh
☐ SIGNATURE OF OWNER
☐ AGENT FOR THE OWNER

7/31/2025
DATE

LOCAL PLUMBING INSPECTOR - Approval at local level

The local plumbing inspector shall review all variance requests prior to rendering a decision.

I, JOHN LARSON, the undersigned, have visited the above property and find that the variance request submitted by the applicant does not conform with certain provisions of the wastewater disposal rules. The variance request submitted by the applicant is the best alternative for a subsurface wastewater disposal system on this property. The proposed system (☒ does ☐ does not) conflict with any provisions controlling subsurface wastewater disposal in the shoreland zone. Therefore, I (☒ do ☐ do not) approve the requested variance. I (☐ will ☐ will not) issue a permit for the system's installation as proposed by the application.

John Larson
LPI Signature

7-31-25
Date

LOCAL PLUMBING INSPECTOR - Referral to the Department

The local plumbing inspector shall review all variance requests prior to forwarding to the Division of Environmental Health.

I, _____, the undersigned, have visited the above property and find that the variance request submitted by the applicant does not conform with certain provisions of the wastewater disposal rules. The variance request submitted by the applicant is the best alternative for a subsurface wastewater disposal system on this property. The proposed system (☐ does ☐ does not) conflict with any provisions controlling subsurface wastewater disposal in the shoreland zone. Therefore, I (☐ do ☐ do not) recommend the issuance of a permit for the system's installation as proposed by the application.

LPI Signature

Date

FOR USE BY THE DEPARTMENT ONLY

The Department has reviewed the variance(s) and (☐ does ☐ does not) give its approval. Any additional requirements, recommendations, or reasons for the Variance denial, are given in the attached letter.

SIGNATURE OF THE DEPARTMENT

DATE

Notes: 1. Variances for soil conditions may be approved at the local level as long as the total point assessment is at least the minimum allowed. (See Section 7.B.4 of the Subsurface Wastewater Disposal Rules for Municipal Review.)

2. Variances for other than soil conditions or soil conditions beyond the limit of the LPI's authority are to be submitted to the Department for review. (See Section 7.B.3 for Department Review.) The LPI's signature is required on these variance requests prior to sending them to the Department.

**SOIL, SITE AND ENGINEERING FACTORS FOR FIRST TIME SYSTEM VARIANCE ASSESSMENT
WITH LIMITING SOIL DRAINAGE CONDITIONS (SEE TABLES 7C THROUGH 7M).**

	CHARACTERISTIC	POINT ASSESSMENT
Soil Profile		
Depth to Groundwater/Restrictive Layer		
Terrain		
Size of Property		
Waterbody Setback		
Water Supply		
Type of Development		
Disposal Area Adjustment		
Vertical Separation Distance		
Additional Treatment		
TOTAL POINT ASSESSMENT:		

Minimum Points (Check One): ☐ Outside Shoreland Zone-50 ☐ Inside Shoreland Zone-65 ☐ Subdivision-65