

121008

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Department of Human Services
Division of Health Engineering, 10 SHS
(207) 287-5672 Fax: (207) 287-3165

PROPERTY LOCATION: Portland (Cliff Island), 57 Church Road. CAUTION: PERMIT REQUIRED - ATTACH IN SPACE BELOW. OWNER/APPLICANT INFORMATION: Robert Howard, PO Box 35, Cliff Island, ME 04019, 207-766-2850. MUNICIPAL TAX MAP # 109 Lot # B FOSO. OWNER OR APPLICANT STATEMENT: 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. 4/22/13.

PERMIT INFORMATION. TYPE OF APPLICATION: 2. Replacement System. THIS APPLICATION REQUIRES: 1. No Rule Variance, 2. First Time System Variance. DISPOSAL SYSTEM COMPONENTS: 6. Non-engineered Disposal Field (only). TYPE OF WATER SUPPLY: 1. Drilled Well.

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3). TREATMENT TANK: 2. Plastic, CAPACITY: 1000 GAL. DISPOSAL FIELD TYPE & SIZE: 3. Proprietary Device, SIZE: 1296 sq. ft. GARBAGE DISPOSAL UNIT: 1. No. DESIGN FLOW: 393 gallons per day. SOIL DATA & DESIGN CLASS PROFILE CONDITION: 2 / AIII / at Observation Hole # TP-1. DISPOSAL FIELD SIZING: 3. Medium-Large 3.3 sq. ft. / gpd. EFFLUENT/EJECTOR PUMP: 3. Required. DOSE: gallons.

SITE EVALUATOR STATEMENT. I certify that on 7-14-09 (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). Signature: Richard A. Sweet, SE # 034, Date 09/17/12. Name: Richard A. Sweet, Telephone: 797-2110, Email: dick@sweetassociates.com. Note: Changes to or deviations from the design should be confirmed with the Site Evaluator.



Department of Health and Human Services
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286 Water Street
11 State House Station
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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 <u>Cliff Island (Portland)</u>
Property Owner's Name: <u>John & Sharon Hiltonen</u>	Tel. No.: _____
System's Location: <u>57 Church Road</u>	
Property Owner's Address: <u>P.O. Box 69 Cliff Island, ME</u>	Zip Code: <u>04019</u>
e-mail address: _____	

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.)	SECTION OF RULE
1. <u>Disposal Field will be 60' from owner's well.</u>	<u>Table 8A</u>
2. _____	_____
3. _____	_____

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 disposal field will drain downslope away from the owner's well.

I, Richard A. Sweet, 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.

SIGNATURE OF SITE EVALUATOR

09-17-12

DATE

PROPERTY OWNER

I, Robert C Howard, 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.

SIGNATURE OF OWNER
 AGENT FOR THE OWNER

4/22/13

DATE

LOCAL PLUMBING INSPECTOR - Approval at local level

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

I, Jonathan Rivers, 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.

LPI Signature

10/18/13
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

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Town, City, Plantation
Portland (Cliff Island)

Street, Road, Subdivision
57 Church Road

Owner or Applicant Name
John & Sharon Hiltone

Existing Grade Elevations

-36" -36"
-49" -49"

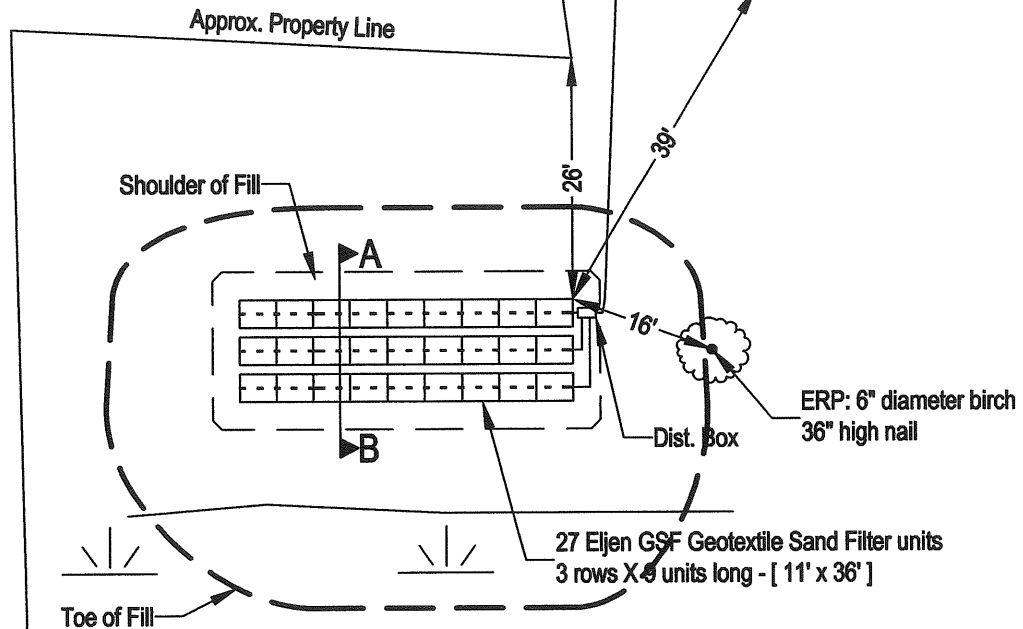
FIELD CORNERS

SUBSURFACE WASTEWATER DISPOSAL PLAN

Scale: 1" = 20 ft

House

Deck



BACKFILL REQUIREMENTS

Depth of Backfill (upslope) 33-33"
Depth of Backfill (downslope) 34-34"

CONSTRUCTION ELEVATIONS

Finished Grade Elevation (at Row 1) -5"
Top of Proprietary Device (at Row 1) -13"
Bottom of Disposal Field (at Row 1) -30"

ELEVATION REFERENCE POINT

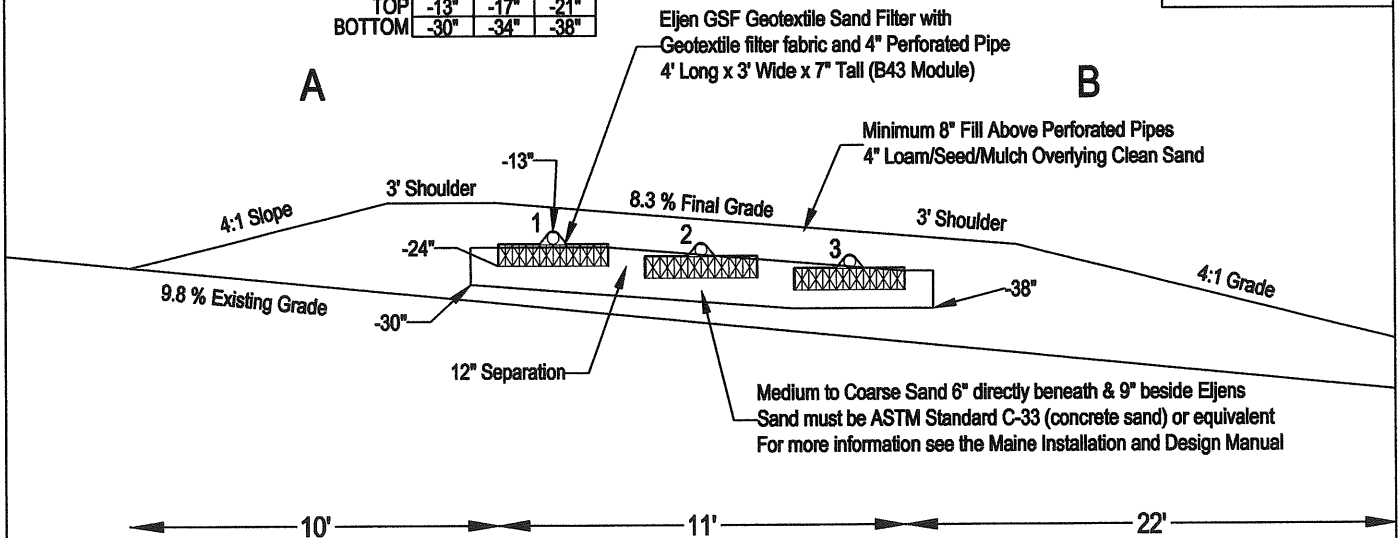
Location & Description: 6" diameter birch
36" high nail
Reference Elevation is 0.0" or: _____

NOTE: SCARIFY ALL GROUND SURFACE TO BE FILLED. USE GRAVELLY COARSE SAND WITHIN 3' OF ELJENS. REMAINING FILL: LOAMY SAND (no clay)

DISPOSAL FIELD CROSS SECTION

ROW #	1	2	3
TOP	-13"	-17"	-21"
BOTTOM	-30"	-34"	-38"

Scales:
Verticle: 1" = 5
Horizontal: 1" = 5



Richard Omet
Site Evaluator Signature

034
SE #

09-17-12
Date

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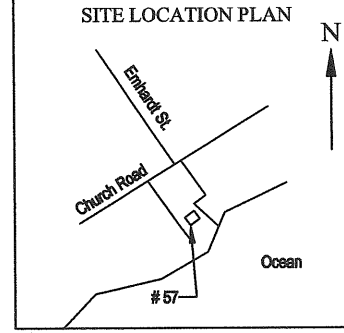
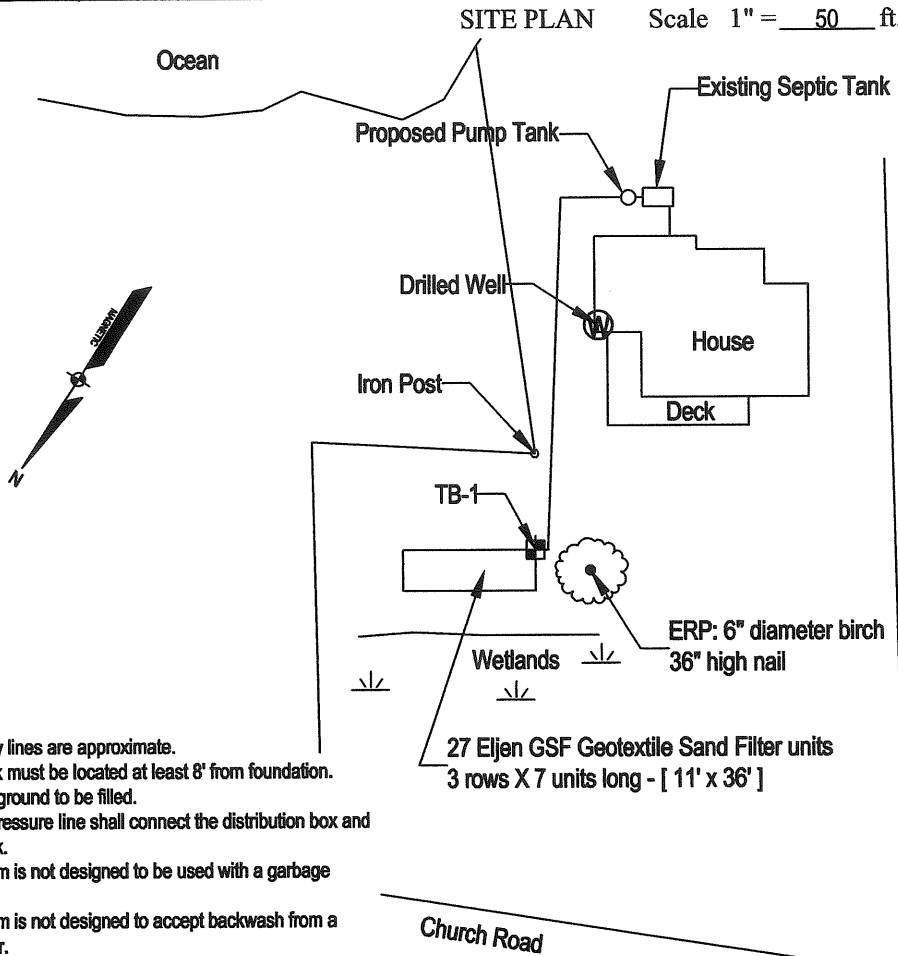
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NOTES:

1. All property lines are approximate.
2. Septic tank must be located at least 8' from foundation.
3. Scarify all ground to be filled.
4. A 2" dia. pressure line shall connect the distribution box and the pump tank.
5. This system is not designed to be used with a garbage disposal.
6. This system is not designed to accept backwash from a water softener.

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

Observation Hole #	<u>TB-1</u>	<input type="checkbox"/> Test Pit	<input checked="" type="checkbox"/> Boring		
"	Depth of organic horizon above mineral soil				
	Texture	Consistency	Color	Mottling	
0					
6					
12	Sandy Loam	Friable	Brown		
18	Sandy Loam	Friable	Reddish Brown		
24	Bedrock at 18 inches				
30					
36					
42					
48	Soil Profile	Classification Condition	Slope Percent	Limiting Factor Depth	<input type="checkbox"/> Groundwater <input type="checkbox"/> Restrictive Layer <input checked="" type="checkbox"/> Bedrock
2	All	8	18"		

Observation Hole #		<input type="checkbox"/> Test Pit	<input type="checkbox"/> Boring		
"	Depth of organic horizon above mineral soil				
	Texture	Consistency	Color	Mottling	
0					
6					
12					
18					
24					
30					
36					
42					
48	Soil Profile	Classification Condition	Slope Percent	Limiting Factor Depth	<input type="checkbox"/> Groundwater <input type="checkbox"/> Restrictive Layer <input type="checkbox"/> Bedrock

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Site Evaluator Signature

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SE #

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Date