SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

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

Date: 05/24/16

PROPERTY LOCATION

City, Town, or Plantation	Portland
Street or Road	Ice Pond Drive
Subdivision, Lot #	Lot 8

>> CAUTION: LPI APPROVAL REQUIRED <<

Town/City _____ Permit # _____

Date Permit Issued ___/___/___ Fee: $ _____ Double Fee Charged ☐

L.P.I. # _____

Local Plumbing Inspector Signature

☐ Owner ☐ Town ☐ State

OWNER/APPLICANT INFORMATION

Name (last, first, MI) O'Donovan, Tim ■ Owner ☐ Applicant

Mailing Address of Owner/Applicant

Daytime Tel. #

The Subsurface Wastewater Disposal System shall not be installed until a Permit is issued by the Local Plumbing Inspector. This 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 # _____ Lot # _____

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.

Signature of Owner or Applicant _____ Date _____

CAUTION: INSPECTION REQUIRED

I have inspected the installation authorized above and found it to be in compliance with the Subsurface Wastewater Disposal Rules Application.

(1st) date approved _____

Local Plumbing Inspector Signature _____ (2nd) date approved _____

PERMIT INFORMATION

TYPE OF APPLICATION

■ 1. First Time System
☐ 2. Replacement System
Type replaced: _____
Year installed: _____
☐ 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
☐ 3. Replacement System Variance
☐ a. Local Plumbing Inspector Approval
☐ b. State & Local Plumbing Inspector
☐ 4. Minimum Lot Size Variance
☐ 5. Seasonal Conversion Permit

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

SIZE OF PROPERTY

0.50 ☐ SQ. FT. ■ ACRES

SHORELAND ZONING

☐ Yes ■ No

DISPOSAL SYSTEM TO SERVE

■ 1. Single Family Dwelling Unit, No. of Bedrooms: 3
☐ 2. Multiple Family Dwelling, No. of Units: _____
☐ 3. Other: _____ (specify)

Current Use ☐ Seasonal ☐ Year Round ■ Undeveloped

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: 1,000 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: _____
SIZE: 1152 ■ 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

281 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

PROFILE 8 CONDITION D
at Observation Hole # TP-1
Depth 9 "
of Most Limiting Soil Factor
Groundwater

DISPOSAL FIELD SIZING

☐ 1. Medium—2.6 sq. ft. / gpd
☐ 2. Medium---Large 3.3 sq. f.t / 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. N43 d 42 m 06.19 s
Lon. W70 d 15 m 58.90 s
If g.p.s. state margin of error: 20'

SITE EVALUATOR STATEMENT

I certify that on 04-17-14 (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).

Site Evaluator Signature	034 SE #	05/11/14 Date
Richard A. Sweet Site Evaluator Name Printed	797-2110 Telephone Number	dick@sweetassociates.com Email Address

Designed with SeptiCAD v3

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

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Town, City, Plantation: Portland

Street, Road, Subdivision: Ice Pond Drive

Owner or Applicant Name: Tim O'Donovan

SITE PLAN Scale 1" = 50 ft.

SITE LOCATION PLAN

NOTES:
1. Septic tank and disposal field must be located at least 8' and 20' from a full foundation.
2. Scarify all ground to be filled.
3. Insulate the Distribution Box (D-Box).
4. Min. 1/4"/ft (2%) pitch of pipe from building to septic tank.
5. Min. 1/8"/ft (1%) pitch of pipe from septic tank to disposal field.
6. Review the Eljen Geotextile Sand Filter (GSF) Design and Installation Manual before installing this system.

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

Observation Hole # TB-1 ■ Test Pit ☐ Boring

" Depth of organic horizon above mineral soil

Depth below mineral soil surface (inches)	Texture	Consistency	Color	Mottling
0–6	Silt Loam	Friable	Brown	
6–12	Silt Loam	Friable	Olive Brown	
12–18	Silt Loam	Firm	Olive Brown	Common & Faint
18–48	Limit of Excavation at 18 inches			

Soil Profile	Classification Condition	Slope Percent	Limiting Factor Depth	
8	D	7	9"	■ Groundwater ■ Restrictive Layer ☐ Bedrock

Observation Hole # _____ ☐ Test Pit ☐ Boring

" Depth of organic horizon above mineral soil

Depth below mineral soil surface (inches)	Texture	Consistency	Color	Mottling
0–48				

Soil Profile	Classification Condition	Slope Percent	Limiting Factor Depth	
				☐ Groundwater ☐ Restrictive Layer ☐ Bedrock

Site Evaluator Signature

034
SE #

05/11/14
Date

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SUBSURFACE WASTEWATER DISPOSAL PLAN

BACKFILL REQUIREMENTS		CONSTRUCTION ELEVATIONS		ELEVATION REFERENCE POINT
Depth of Backfill (upslope)	32-28"	Finished Grade Elevation (at Row 1)	-7"	Location & Description: 6" Diameter Hardwood 39" High Nail
Depth of Backfill (downslope)	30-30"	Top of Proprietary Device (at Row 1)	-15"	
		Bottom of Disposal Field (at Row 1)	-26"	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	4
TOP	-15"	-18"	-21"	-24"
BOTTOM	-26"	-29"	-32"	-36"

TOP OF ROW #1 INLET AT -9"

APPROXIMATE ABOVE GRADE FILL REQUIRED
50 cubic yards of LOAM
225 cubic yards of SAND
Compaction: +20% Loam & +15% Sand
Volume of chambers not considered

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

Site Evaluator Signature

034
SE #

05/11/14
Date