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

City, Town, or Plantation	Portland
Street or Road	Ice Pond Drive
Subdivision, Lot #	Lot 6 414 A016001

>> CAUTION: LPI APPROVAL REQUIRED <<

Town/City PORTLAND Permit # 201601133

Date Permit Issued 5/11/17 Fee: $ 265.00 ☐ Double Fee Charged

Local Plumbing Inspector Signature L.P.I. # 1188

☐ 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.

Local Plumbing Inspector Signature (1st) date approved (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

0.46 ☐ SQ. FT. ■ ACRES

SHORELAND ZONING

☐ Yes ■ No

DISPOSAL SYSTEM TO SERVE

■ 1. Single Family Dwelling Unit, No. of Bedrooms: 4
☐ 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: 1200 ■ 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

364 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 2 CONDITION AIII
at Observation Hole # TP-1
Depth 29 "
of Most Limiting Soil Factor
Bedrock

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. N43 d 42 m 04.92 s
Lon. W70 d 15 m 55.69 s
if g.p.s. state margin of error: 20'

SITE EVALUATOR STATEMENT

I certify that on 05-27-15 (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 SE # 034 Date 06/02/15

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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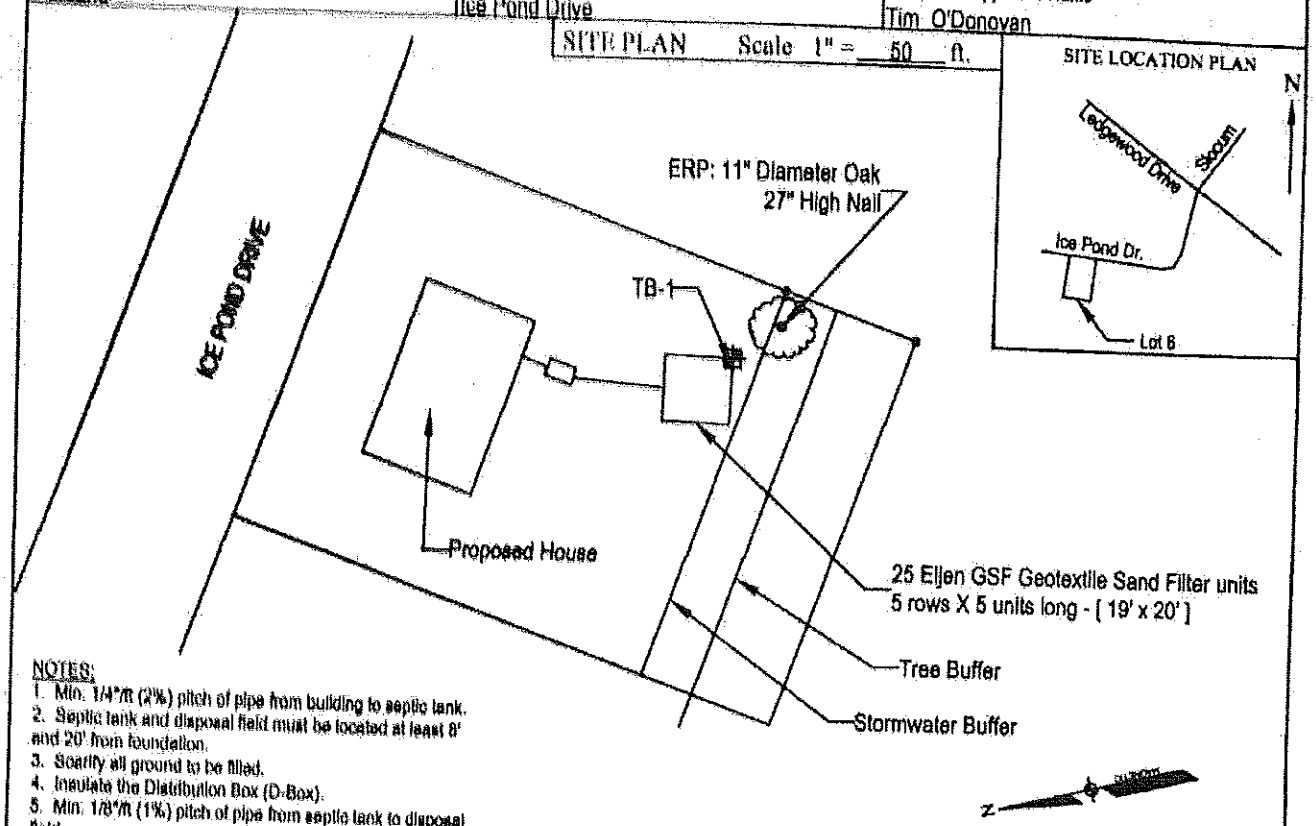
Town, City, Plantation	Street, Road, Subdivision	Owner or Applicant Name
Portland	Ice Pond Drive	Tim O'Donovan

SITE PLAN Scale 1" = 50 ft.



SITE LOCATION PLAN

NOTES:
1. Min. 1/4"/ft (2%) pitch of pipe from building to septic tank.
2. Septic tank and disposal field must be located at least 8' and 20' from foundation.
3. Scarify all ground to be filled.
4. Insulate the Distribution Box (D-Box).
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 # TP-1 ■ Test Pit ☐ Boring

" Depth of organic horizon above mineral soil

Depth below mineral soil surface (inches)	Texture	Consistency	Color	Mottling
0	Sandy Loam	Friable	Dark Brown	
6				
12	Sandy Loam	Friable	Reddish Brown	
18				
24	Loamy Sand	Loose	Yellowish Brown	
30				
36	Bedrock at 29 inches			
42				
48				

Soil Profile	Classification Condition	Slope Percent	Limiting Factor Depth	☐ Groundwater ☐ Restrictive Layer ■ Bedrock
2	A	7	29"	

Observation Hole # _____ ☐ Test Pit ☐ Boring

" Depth of organic horizon above mineral soil

Depth below mineral soil surface (inches)	Texture	Consistency	Color	Mottling
0				
6				
12				
18				
24				
30				
36				
42				
48				

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

Richard Adams — Site Evaluator Signature

034 — SE #

06/02/15 — Date

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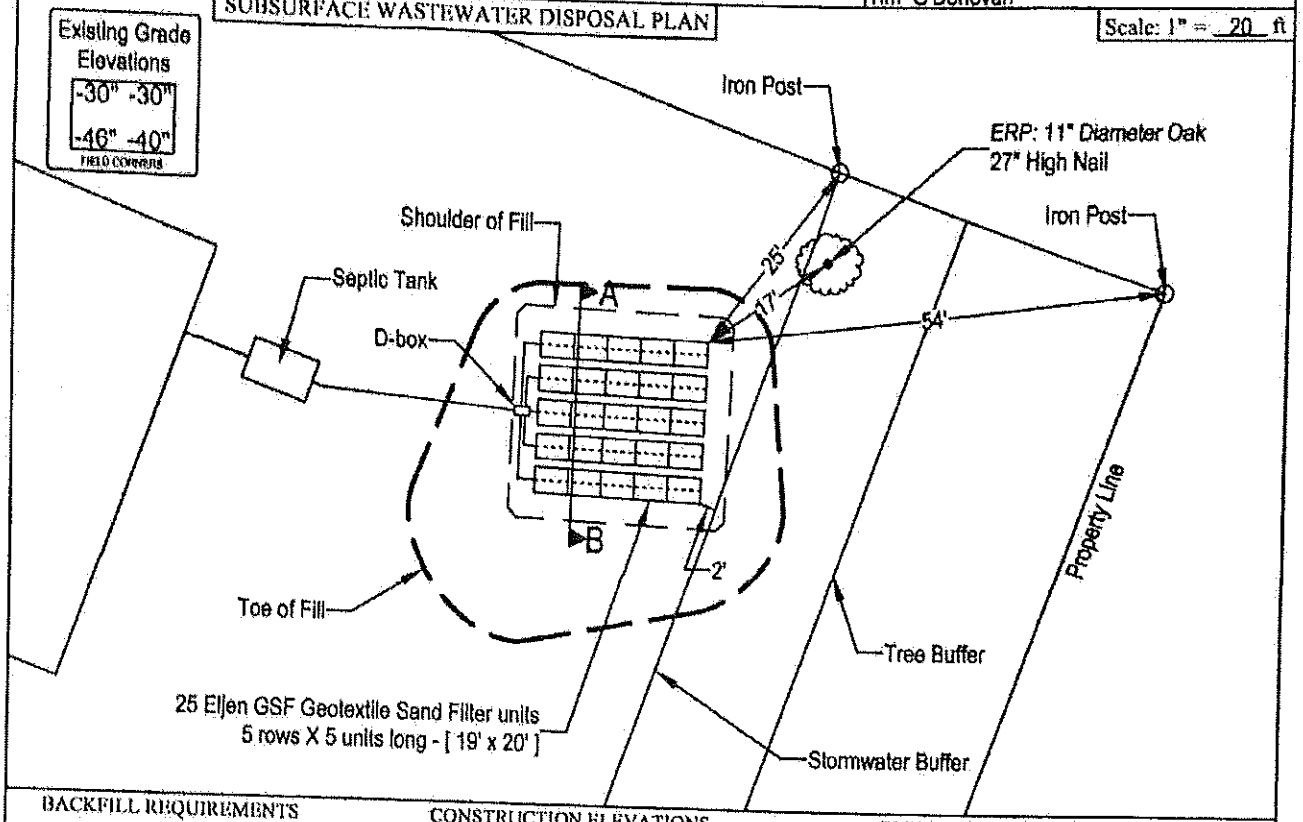
SUBSURFACE WASTEWATER DISPOSAL PLAN

Scale: 1" = 20 ft



BACKFILL REQUIREMENTS

Depth of Backfill (upslope) 14-14"
Depth of Backfill (downslope) 30-24"

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

CONSTRUCTION ELEVATIONS

Finished Grade Elevation (at Row 1) -16"
Top of Proprietary Device (at Row 1) -24"
Bottom of Disposal Field (at Row 1) -41"

ELEVATION REFERENCE POINT

Location & Description: 11" Diameter Oak 27" High Nail
Reference Elevation is 0.0" or: _____

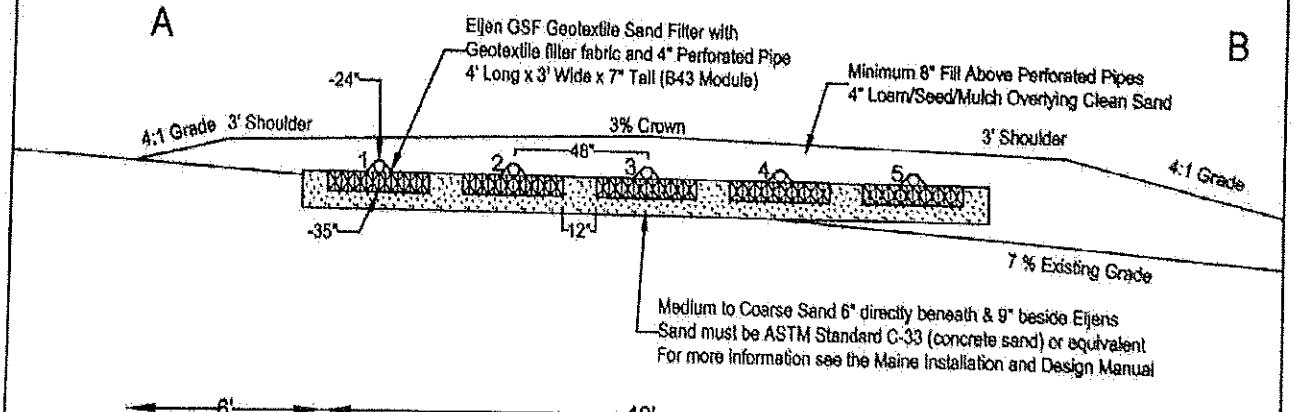
DISPOSAL FIELD CROSS SECTION

ROW #	1	2	3	4	5
TOP	-24"	-24"	-24"	-24"	-24"
BOTTOM	-35"	-35"	-35"	-35"	-35"

TOP OF ROW #1 INLET AT -24"

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

Scales:
Vertical: 1" = 5
Horizontal: 1" = 5



Site Evaluator Signature

034
SE #

06/02/15
Date