

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

>> CAUTION: LPI APPROVAL REQUIRED <<

PROPERTY LOCATION

City, Town, or Plantation: Portland

Street or Road: Ice Pond Drive #12

Subdivision, Lot #: Lot 1

Town/City: City of Portland Permit #: 2016-00365

Date Permit Issued: 7/6/16 Fee: \$ _____ Double Fee Charged:

Local Plumbing Inspector Signature: [Signature] L.P.I. #: 1081

Owner Town State

OWNER/APPLICANT INFORMATION

(Last, first, MI) The Vista Corp Owner Applicant

Mailing Address of Owner/Applicant: P.O. Box 1464
Portland, ME 04104

Dayline Tel. #: 232-1010

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 a violation of the Department of Health Engineering Code of Regulations and subject to a fine of \$1000 per day for each day of violation.

Signature of Owner or Applicant: [Signature] Date: 7/6/16

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

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

TREATMENT TANK <input checked="" type="checkbox"/> 1. Concrete <input checked="" type="checkbox"/> a. Regular <input type="checkbox"/> b. Low Profile <input type="checkbox"/> 2. Plastic <input type="checkbox"/> 3. Other: _____ CAPACITY: <u>1,000</u> GAL	DISPOSAL FIELD TYPE & SIZE <input type="checkbox"/> 1. Stone Bed <input type="checkbox"/> 2. Stone Trench <input checked="" type="checkbox"/> 3. Proprietary Device <input type="checkbox"/> a. cluster array <input type="checkbox"/> c. Linear <input type="checkbox"/> b. regular load <input type="checkbox"/> d. H-20 load <input type="checkbox"/> 4. Other: _____ SIZE: <u>1000</u> sq. ft. <input type="checkbox"/> lin. ft.	GARBAGE DISPOSAL UNIT <input checked="" type="checkbox"/> 1. No <input type="checkbox"/> 2. Yes <input type="checkbox"/> 3. Maybe If Yes or Maybe, specify one below: <input type="checkbox"/> a. multi-compartment tank <input type="checkbox"/> b. _____ tanks in series <input type="checkbox"/> c. increase in tank capacity <input type="checkbox"/> d. Filter on Tank Outlet	DESIGN FLOW <u>305</u> gallons per day BASED ON: <input checked="" type="checkbox"/> 1. Table 4A (dwelling unit(s)) <input type="checkbox"/> 2. Table 4C (other facilities) SHOW CALCULATIONS --- for other facilities ---
SOIL DATA PROFILE: <u>2</u> CONDITION: <u>All</u> at Observation Hole # <u>TP-1</u> Depth <u>12"</u> of Most Limiting Soil Factor: <u>Bedrock</u>	DISPOSAL FIELD SIZING <input type="checkbox"/> 1. Medium--2.6 sq. ft. / gpd <input type="checkbox"/> 2. Medium--Large 3.3 sq. ft. / gpd <input type="checkbox"/> 3. Large--4.1 sq. ft. / gpd <input type="checkbox"/> 4. Extra Large--5.0 sq. ft. / gpd	EFFLUENT/EJECTOR PUMP <input checked="" type="checkbox"/> 1. Not Required <input type="checkbox"/> 2. May Be Required <input type="checkbox"/> 3. Required Specify only for engineered systems: DOSE: _____ gallons	<input type="checkbox"/> 3. Section 4B (meter readings) ATTACH WATER METER DATA LATITUDE AND LONGITUDE at center of disposal area Lat. <u>N43</u> ° <u>42</u> ' <u>07.41</u> " S Lon. <u>W70</u> ° <u>15</u> ' <u>50.78</u> " S if g.p.s. state margin of error: <u>20</u>

SITE EVALUATOR STATEMENT

I certify that on 07-15-15 (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: [Signature] SE #: 034 Date: 08/18/15

Site Evaluator Name Printed: Richard A. Sweet Telephone Number: 797-2110 Email Address: dick@sweetassociates.com

Designed with SeptiCAD v3
 Note: Changes to or deviations from the design should be confirmed with the Site Evaluator.

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Main Department of Public Services
 Division of Health Engineering, Station 10
 (207) 537-2672 Fax: (207) 537-5165

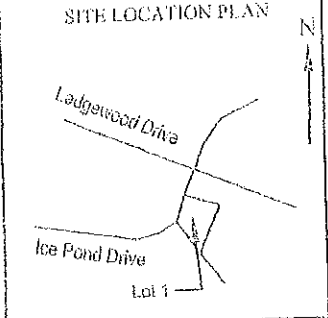
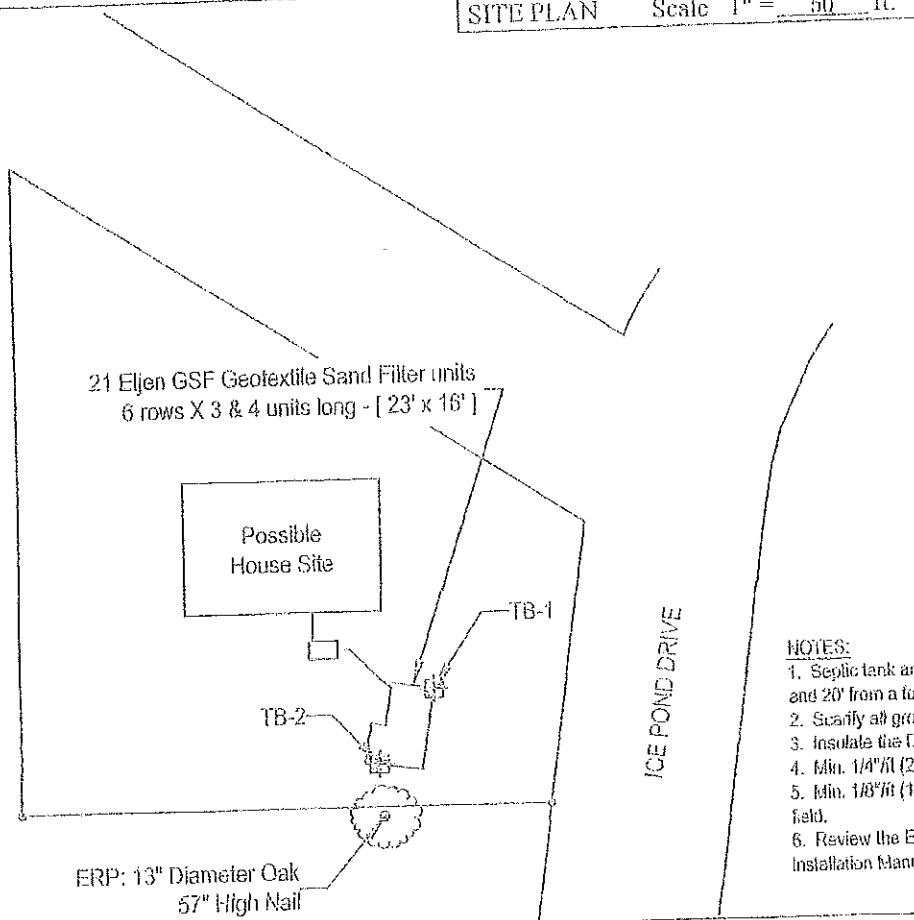
Town, City, Plantation
 Portland

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 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	Sandy Loam	Friable	Dark Brown	
6	Sandy Loam	Friable	Reddish Brown	
12	Bedrock at 12 inches			
18				
24				
30				
36				
42				
48	Soil Profile	Classification	Slope	Limiting Factor
	<u>2</u>	<u>All</u>	<u>7</u>	<u>12"</u>
				<input type="checkbox"/> Groundwater
				<input type="checkbox"/> Restrictive Layer
				<input checked="" type="checkbox"/> Bedrock

Observation Hole # TB-2 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				
30	Bedrock at 24 inches			
36				
42				
48	Soil Profile	Classification	Slope	Limiting Factor
	<u>2</u>	<u>All</u>	<u>7</u>	<u>24"</u>
				<input type="checkbox"/> Groundwater
				<input type="checkbox"/> Restrictive Layer
				<input checked="" type="checkbox"/> Bedrock

Richard O'Donovan
 Site Evaluator Signature

034
 SE #

08/18/15
 Date

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Department of Health Services
Division of Health Engineering, Section 10
1001 263-5073 Fax: (207) 727-3163

Town, City, Plantation
Portland

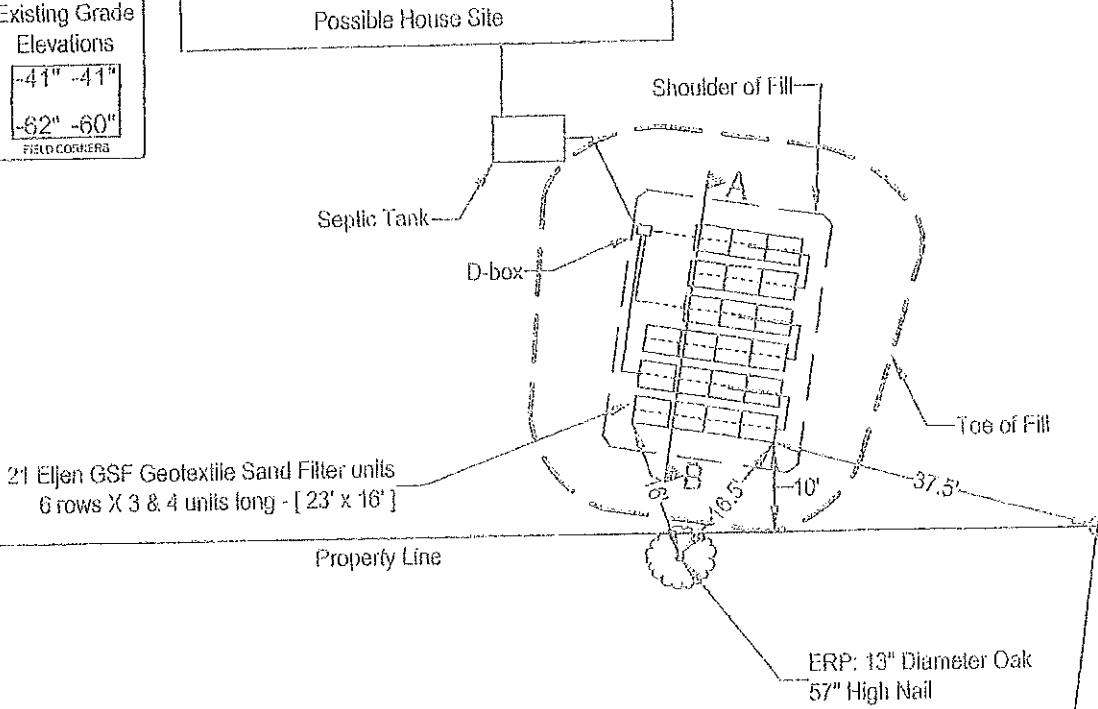
Street, Road, Subdivision
Ice Pond Drive

Owner or Applicant Name
Tim O'Donovan

SUBSURFACE WASTEWATER DISPOSAL PLAN

Scale: 1" = 20' ft

Existing Grade Elevations
-41" -41"
-62" -60"
FIELD CORNERS



BACKFILL REQUIREMENTS

CONSTRUCTION ELEVATIONS

ELEVATION REFERENCE POINT

Location & Description: 13" Diameter Oak 57" High Nail

Reference Elevation is 0.0" or:

Depth of Backfill (upslope) 31-31"
Depth of Backfill (downslope) 24-22"

Finished Grade Elevation (at Row 1) -10"
Top of Proprietary Device (at Row 1) -10"
Bottom of Disposal Field (at Row 1) -35"

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

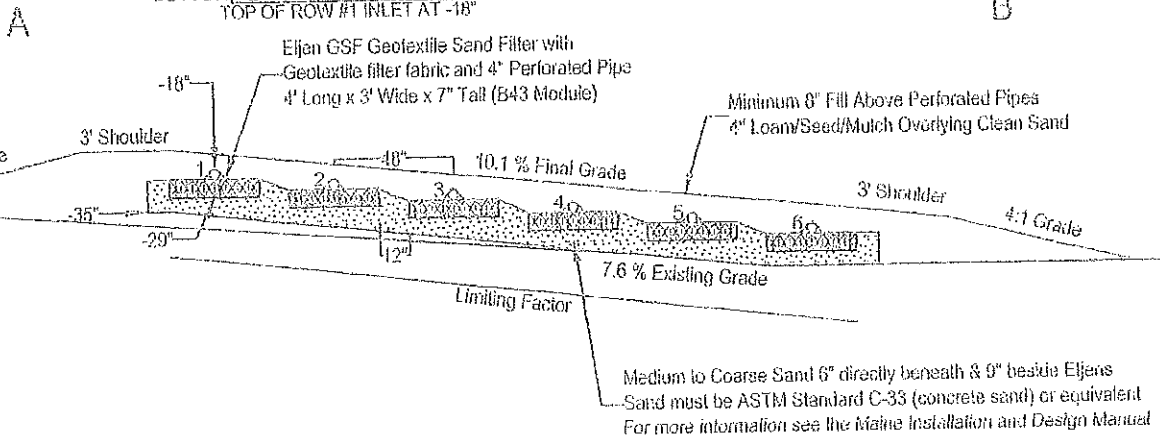
DISPOSAL FIELD CROSS SECTION

ROW #	1	2	3	4	5	6
TOP	-18"	-23"	-28"	-34"	-39"	-43"
BOTTOM	-29"	-34"	-39"	-45"	-50"	-55"

TOP OF ROW #1 INLET AT -18"

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

Scales:
Vertical: 1" = 6'
Horizontal: 1" = 6'



Medium to Coarse Sand 6" directly beneath & 9" bestie Eljens
Sand must be ASTM Standard C-33 (concrete sand) or equivalent
For more information see the Maine Installation and Design Manual

Richard O'Donovan
Site Evaluator Signature

034
SB #

08/18/15
Date

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