

# 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 >> CAUTION: LPI APPROVAL REQUIRED <<

City, Town, or Plantation	<b>Portland</b>	Town/City	<b>Portland</b>	Permit #	_____
Street or Road	<b>1062 Ocean Avenue</b>	Date Permit Issued	<b>1/1</b>	Fee: \$	_____
Subdivision, Lot #	_____	Double Fee Charged	[ ]		
OWNER/APPLICANT INFORMATION		Local Plumbing Inspector Signature			
<input checked="" type="checkbox"/> Owner <input type="checkbox"/> Applicant		<input type="checkbox"/> Owner <input type="checkbox"/> Town <input type="checkbox"/> State			

Name (last, first, MI) **TPO Properties, LLC / Richmond Properties**

Mailing Address of Owner/Applicant **30 Wedgewood Drive, Falmouth, ME**

Daytime Tel. # **450-7890**

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 # \_\_\_\_\_ 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: *Amelia P. Sweet* Date: **9/2/14**

**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

<b>TYPE OF APPLICATION</b> <input type="checkbox"/> 1. First Time System <input checked="" type="checkbox"/> 2. Replacement System Type replaced: <b>Trench</b> Year installed: <b>unkn</b> <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	<b>THIS APPLICATION REQUIRES</b> <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	<b>DISPOSAL SYSTEM COMPONENTS</b> <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
<b>SIZE OF PROPERTY</b> <b>5.8</b> <input type="checkbox"/> SQ. FT. <input checked="" type="checkbox"/> ACRES	<b>DISPOSAL SYSTEM TO SERVE</b> <input checked="" type="checkbox"/> 1. Single Family Dwelling Unit, No. of Bedrooms: <b>3</b> <input type="checkbox"/> 2. Multiple Family Dwelling, No. of Units: _____ <input type="checkbox"/> 3. Other: _____ (specify) Current Use <input type="checkbox"/> Seasonal <input checked="" type="checkbox"/> Year Round <input type="checkbox"/> Undeveloped	<b>TYPE OF WATER SUPPLY</b> <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
<b>SHORELAND ZONING</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

## DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

<b>TREATMENT TANK</b> <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: <b>1000</b> GAL	<b>DISPOSAL FIELD TYPE &amp; SIZE</b> <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 checked="" type="checkbox"/> b. regular load <input type="checkbox"/> d. H-20 load <input type="checkbox"/> 4. Other: _____ SIZE: <b>1536</b> sq. ft. <input type="checkbox"/> lin. ft.	<b>GARBAGE DISPOSAL UNIT</b> <input type="checkbox"/> 1. No <input checked="" type="checkbox"/> 2. Yes <input type="checkbox"/> 3. Maybe If Yes of 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 checked="" type="checkbox"/> d. Filter on Tank Outlet	<b>DESIGN FLOW</b> <b>307</b> 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 —
<b>SOIL DATA &amp; DESIGN CLASS</b> PROFILE <b>9</b> / CONDITION <b>DII</b> / <b>3</b> at Observation Hole # <b>TP-1</b> Depth <b>12</b> " of Most Limiting Soil Factor <b>Groundwater</b>	<b>DISPOSAL FIELD SIZING</b> <input type="checkbox"/> 1. Small—1.5 sq. ft. / gpd <input type="checkbox"/> 2. Medium—2.6 sq. ft. / gpd <input type="checkbox"/> 3. Medium—Large 3.3 sq. ft. / gpd <input type="checkbox"/> 4. Large—4.1 sq. ft. / gpd <input checked="" type="checkbox"/> 5. Extra Large—5.0 sq. ft. / gpd	<b>EFFLUENT/EJECTOR PUMP</b> <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 4G (meter readings) ATTACH WATER METER DATA LATITUDE AND LONGITUDE at center of disposal area Lat. <b>N43 d 42 m 04.24 s</b> Lon. <b>W70 d 15 m 36.67 s</b> if g.p.s. state margin of error: <b>20'</b>

## SITE EVALUATOR STATEMENT

I certify that on **12-7-11** (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: **03/12/12**

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

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Owner or Applicant Name

Portland

1062 Ocean Avenue

TTPO Properties, LLC

**NOTES:**

1. This is not a survey. All property lines, building locations and site features have been approximately located, unless otherwise shown.
2. Septic tank must be located at least 8' from a foundation.
3. Disposal field must be located at least 15' from a non-full foundation (slab, frost wall or columns) and 20' from a full foundation.
4. Scarify all ground to be filled.
5. Insulate the Distribution Box (D-Box).
6. Min. 1/4"/ft pitch of pipe from building to septic tank.
7. Min. 1/8"/ft pitch of pipe from septic tank to disposal field.
8. Review the Eljen Geotextile Sand Filter (GSF) Design and Installation Manual before installing this system.

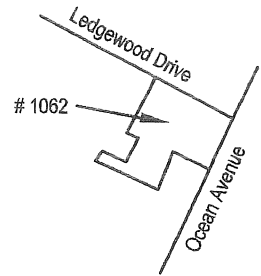
**SITE PLAN**

Scale 1" = 50 ft.

**SITE LOCATION PLAN**

ERP: Top of 64" high wooden corner fence post

minor stream



Wood Fence

TP-1

Proposed Septic Tank

32 Eljen GSF Geotextile Sand Filter units  
4 rows X 8 units long - [ 15' x 32' ]

Possible House Site

OCEAN AVENUE

LEDGEWOOD DRIVE



**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

Texture	Consistency	Color	Mottling
0			
6	Sandy Loam	Friable	Brown
12	Limit of Excavation at 12 inches		
18	Silty Clay Loam	Firm	Gray
24			Common & Prominent
30			
36			
42			
48			
Soil Profile	Classification	Slope	Limiting Factor
9	D	0-1	12"
	Condition	Percent	Depth

Observation Hole # \_\_\_\_\_  Test Pit  Boring

\_\_\_\_\_ " Depth of organic horizon above mineral soil

Texture	Consistency	Color	Mottling
0			
6			
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18			
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42			
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Soil Profile	Classification	Slope	Limiting Factor
	Condition	Percent	Depth

*Richard O...*  
Site Evaluator Signature

034  
SE #

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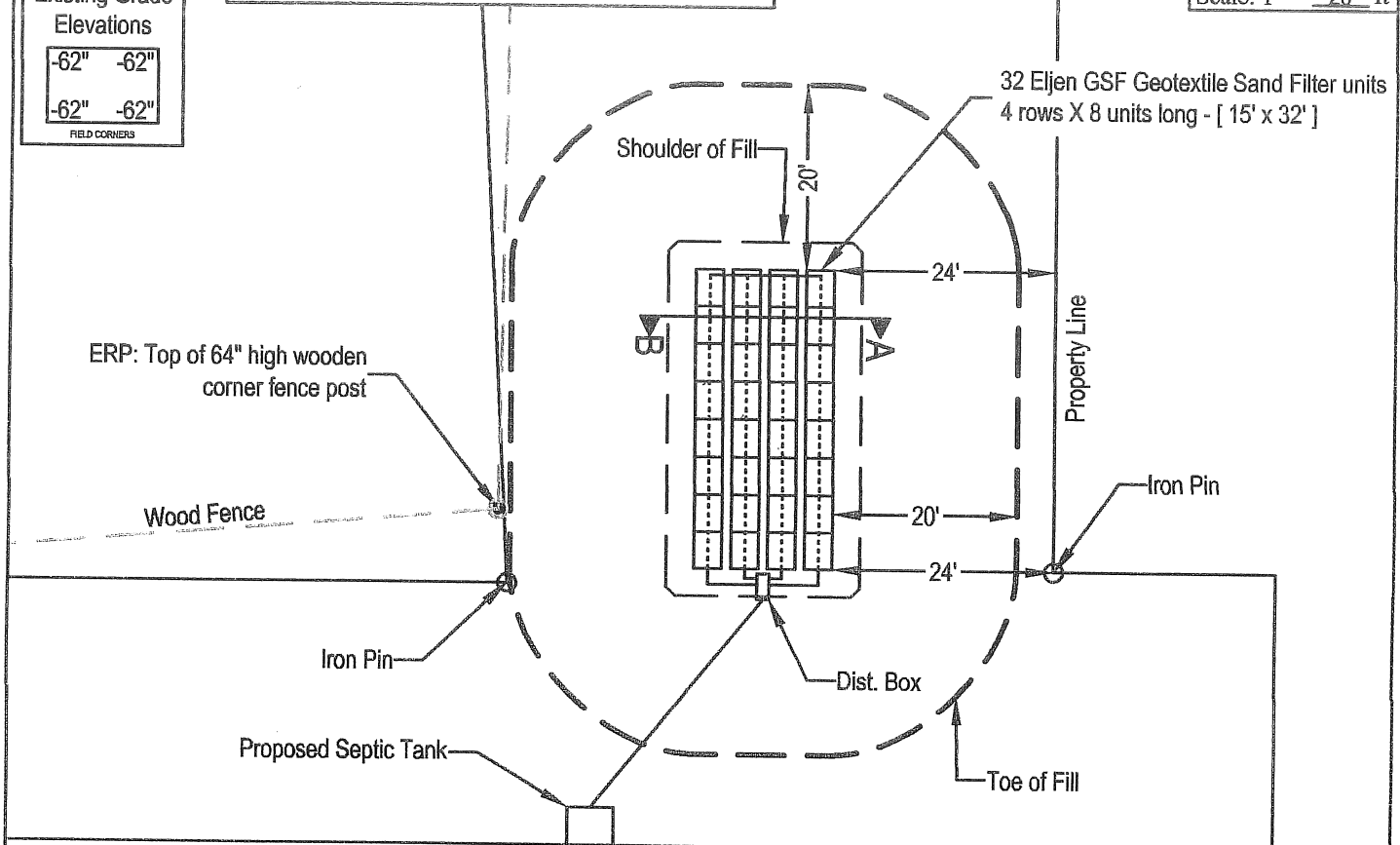
Existing Grade Elevations

-62"	-62"
-62"	-62"

FIELD CORNERS

**SUBSURFACE WASTEWATER DISPOSAL PLAN**

Scale: 1" = 20' ft



**BACKFILL REQUIREMENTS**

Depth of Backfill (upslope) 25-25"  
Depth of Backfill (downslope) 25-25"

**CONSTRUCTION ELEVATIONS**

Finished Grade Elevation (at Row 1) -37"  
Top of Proprietary Device (at Row 1) -45"  
Bottom of Disposal Field (at Row 1) -62"

**ELEVATION REFERENCE POINT**

Location & Description: Top of 64" high wooden corner fence post

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)

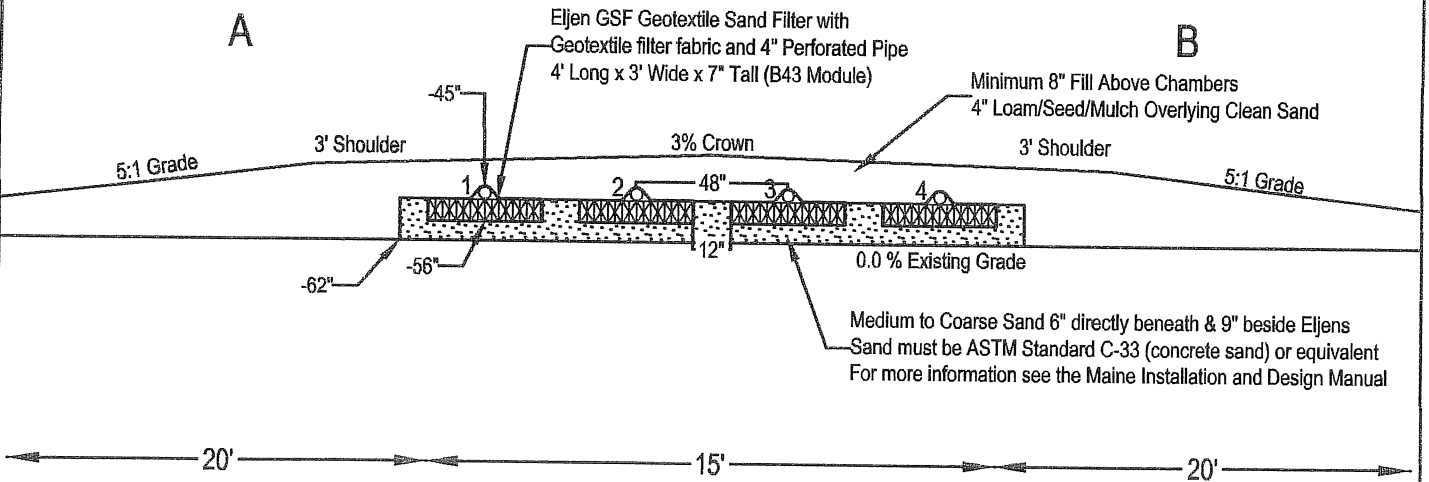
**DISPOSAL FIELD CROSS SECTION**

ROW #	1	2	3	4
TOP	-45"	-45"	-45"	-45"
BOTTOM	-56"	-56"	-56"	-56"

ROW #1 INLET INVERT AT -49"

Scales:

Verticle: 1" = 5'  
Horizontal: 1" = 5'



*Richard Omet*  
Site Evaluator Signature

034  
SE #

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