

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Department of Human Services
Division of Health Engineering, 10 Hall
(207) 287-4672 Fax: (207) 257-4468

PROPERTY LOCATION		CAUTION: PERMIT REQUIRED - ATTACH IN SPACE BELOW <h1>Revision</h1>
City, Town, or Plantation	Portland	
Street or Road	Shore Road 224	
Subdivision, Lot #	Cushing Island	

OWNER/APPLICANT INFORMATION		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 _____
Name (last, first, MI)	Eric Stark / ERIC STARK <input checked="" type="checkbox"/> Owner <input type="checkbox"/> Applicant	
Mailing Address of Owner/Applicant	71 BECKETT ST #1 PORTLAND ME 04101	
Daytime Tel. #	776 5227	

OWNER OR APPLICANT STATEMENT		106A-A-011 Municipal Tax Map # 106A Lot # 11
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		

PERMIT INFORMATION	
TYPE OF APPLICATION	DISPOSAL SYSTEM TO SERVE
<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. Minor Expansion <input type="checkbox"/> b. Major Expansion <input type="checkbox"/> 4. Experimental System <input type="checkbox"/> 5. Seasonal Conversion	<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"/> 2. 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

SIZE OF PROPERTY	DISPOSAL SYSTEM COMPONENTS
19,101 <input checked="" type="checkbox"/> SQ. FT. <input type="checkbox"/> ACRES	<input checked="" type="checkbox"/> 1. Complete Non-engineered System <input type="checkbox"/> 2. Primitive System (graywater & salt 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

SHORELAND ZONING	TYPE OF WATER SUPPLY
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> 1. Drilled Well <input type="checkbox"/> 2. Dug Well <input type="checkbox"/> 2. Private <input type="checkbox"/> 4. Public <input type="checkbox"/> 5. Other

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)	
TREATMENT TANK	DISPOSAL FIELD TYPE & SIZE
<input type="checkbox"/> 1. Concrete <input checked="" type="checkbox"/> a. Regular <input type="checkbox"/> b. Low Profile <input checked="" type="checkbox"/> 2. Plastic <input type="checkbox"/> 3. Other: _____ CAPACITY: 1,000 GAL	<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: 1,000 <input type="checkbox"/> sq. ft. <input type="checkbox"/> lin. ft.

SOIL DATA & DESIGN CLASS	DISPOSAL FIELD SIZING	GARBAGE DISPOSAL UNIT	DESIGN FLOW
PROFILE CONDITION DESIGN 2 / A / 1 of Observation Hole # TP-1 Depth _____" of Most Limiting Soil Factor Bedrock	<input type="checkbox"/> 1. Small—2.0 sq. ft. / gpd <input type="checkbox"/> 2. Medium—2.4 sq. ft. / gpd <input checked="" type="checkbox"/> 3. Medium—Large 3.3 sq. ft. / gpd <input type="checkbox"/> 4. Large—4.1 sq. ft. / gpd <input type="checkbox"/> 5. Extra Large—5.0 sq. ft. / gpd	<input checked="" type="checkbox"/> 1. No <input 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 type="checkbox"/> d. Filter on Tank Outlet	305 gallons per day BASED ON: <input checked="" type="checkbox"/> 1. Table 601.1 (dwelling unit(s)) <input type="checkbox"/> 2. Table 501.1 (other facilities) SHOW CALCULATIONS — for other facilities —

EFFLUENT/EJECTOR PUMP	LATITUDE AND LONGITUDE
<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 603.D (rocker readings) ATTACH WATER METER DATA at center of disposal area Lat. 44° d. 03' m. 21.3" = Lon. 70° d. 24' m. 08.0" = If g.p.s. state margin of error: 20'

SITE EVALUATOR STATEMENT	
I certify that on <u>9-14-06</u> (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	
_____ Site Evaluator Name Printed	_____ Telephone Number
_____ Date	_____ Email Address

Town, City, Plantation
Portland

Street, Road, Subdivision
224 Shore Road

Owner or Applicant Name
Josh Empeon

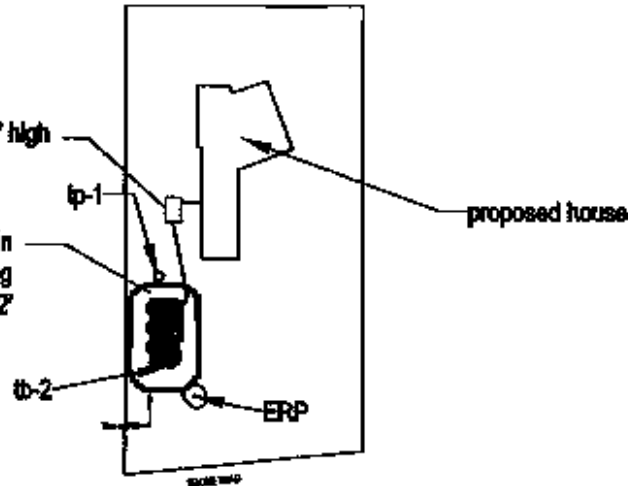
SITE PLAN Scale 1" = 80 ft.

SITE LOCATION PLAN



1000 Gallon Low Boy Sepsic Tank - 48" high

21 Type-B Eljen In-Drain
7 rows X 3 units long
27' x 12'



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 (feet)	Texture	Consistency	Color	Mottling
0			DK. BROWN	
6	STONY			
12	SANDY LOAM	FRIABLE	RED	
18				
24				
30				
36				
42	BEDROCK			
48				

Soil Profile	Classification	Slope	Limiting Factor	<input type="checkbox"/> Overburden <input type="checkbox"/> Restrictive Layer <input checked="" type="checkbox"/> Bedrock
2	A	7	36"	

Observation Hole # TP-2 Test Pit Boring

Depth of organic horizon above mineral soil

Depth below mineral soil surface (feet)	Texture	Consistency	Color	Mottling
0			DK. BROWN	
6	STONY			
12	SANDY LOAM	FRIABLE	RED	
18				
24				
30				
36				
42	BEDROCK			
48				

Soil Profile	Classification	Slope	Limiting Factor	<input type="checkbox"/> Groundwater <input type="checkbox"/> Restrictive Layer <input checked="" type="checkbox"/> Bedrock
2	A	7	36"	

Richard O'Connell
Site Evaluator Signature

034
SE #

10-26-06
Date

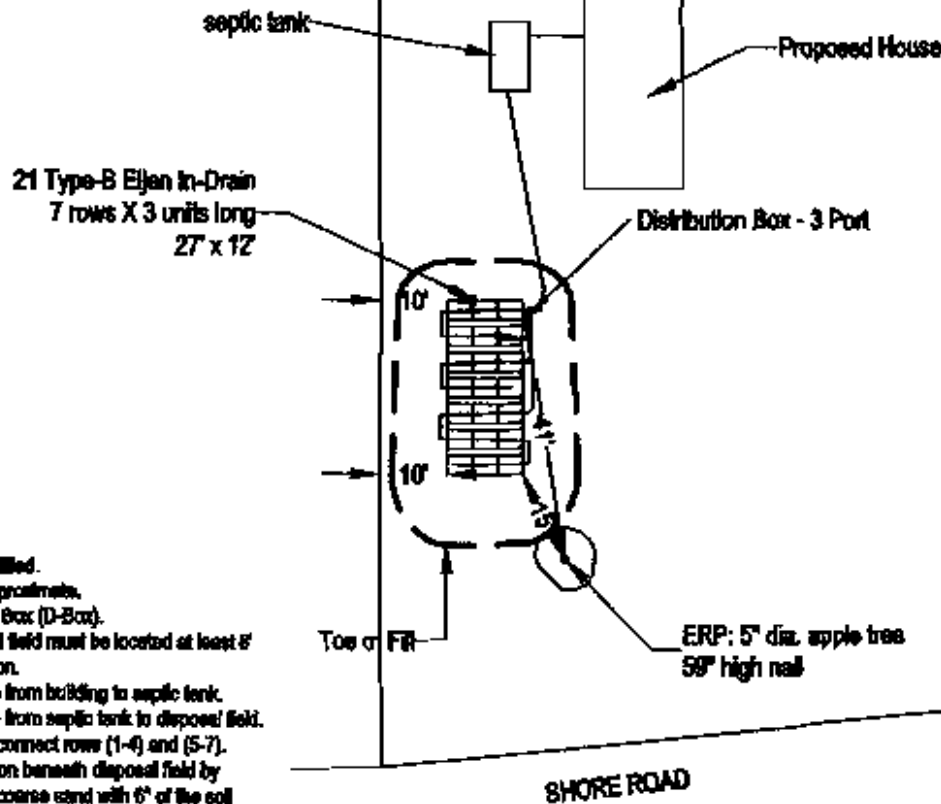
Town, City, Plantation
Portland

224 Street, Road, Subdivision
Shore Road

Owner or Applicant Name
Josh Empeon

SUBSURFACE WASTEWATER DISPOSAL PLAN

Scale: 1" = 30' ft



NOTES:

1. Scarify all ground to be filled.
2. All property lines are approximate.
3. Insulate the Distribution Box (D-Box).
4. Septic tank and disposal field must be located at least 8' and 20' from a full foundation.
5. Min. 1/8" slope of pipe from building to septic tank.
6. Min. 1/8" slope of pipe from septic tank to disposal field.
7. Serial Distribution shall connect rows (1-4) and (5-7).
8. Create transitional horizon beneath disposal field by thoroughly mixing gravelly coarse sand with 6" of the soil beneath system.

BACKFILL REQUIREMENTS

Depth of Backfill (upslope) 14-14"
Depth of Backfill (downslope) 17-17"

CONSTRUCTION ELEVATIONS

Finished Grade Elevation (at Row 1) -21"
Top of Proprietary Device (at Row 1) -25"
Bottom of Disposal Field (at Row 1) -45"

ELEVATION REFERENCE POINT

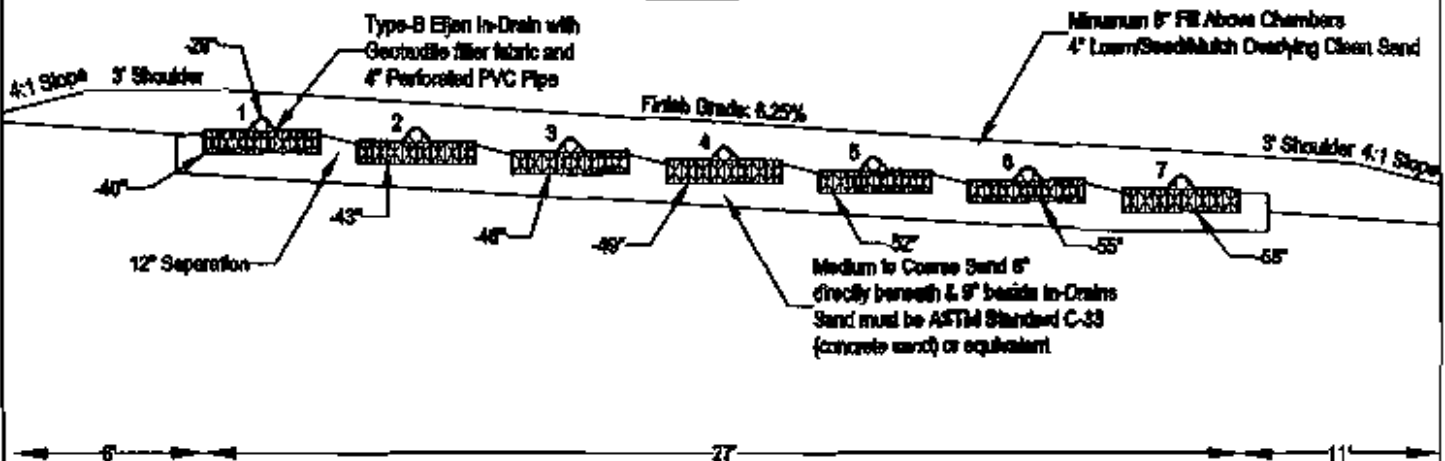
Location & Description: 5" dia. apple tree
58" high nail
Reference Elevation is 0.0' or:

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

DISPOSAL FIELD CROSS SECTION

ROW #	1	2	3	4	5	6	7
TOP	-28"	-27"	-26"	-30"	-41"	-46"	-47"
BOTTOM	-46"	-45"	-32"	-35"	-38"	-41"	-54"

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



Richard Chant
Site Evaluator Signature

034
SE #

10-26-06
Date