

2010 - 6006

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION Maine Department of Human Services
Division of Health Engineering, 10 SHS
(207) 287-6672 Fax: (207) 287-3195

PROPERTY LOCATION		CAUTION: PERMIT REQUIRED - ATTACH IN SPACE BELOW	
City, Town, or Plantation	Portland	PORTLAND PERMIT # 11333 TOWN COPY Date Permit issued: <u>6/30/10</u> \$ <u>100.00</u> <input type="checkbox"/> If Double Fee Charged L.P.I. # <u>071324</u> <i>Jamie Banks</i> Local Plumbing Inspector Signature	
Street or Road	Shore Road		
Subdivision, Lot #	Cushing Island		
OWNER/APPLICANT INFORMATION		Municipal Tax Map # <u>106A</u> Lot # <u>A011</u>	
Name (last, first, MI)	<input checked="" type="checkbox"/> Owner <input type="checkbox"/> Applicant		
Empson, Josh			
Mailing Address of Owner/Applicant	155 GRAY ROAD FALMOUTH, ME 04105		
Daytime Tel. #	797-2110		

<p style="text-align: center;">OWNER OR APPLICANT STATEMENT</p> <p>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.</p> <p><i>Richard Sweet</i> <u>6-29-10</u> Signature of Owner or Applicant Date</p>	<p style="text-align: center;">CAUTION: INSPECTION REQUIRED</p> <p>I have inspected the installation authorized above and found it to be in compliance with the Subsurface Wastewater Disposal Rules Application.</p> <p><i>118</i> Local Plumbing Inspector Signature</p> <p>(1st) date approved: <u>6-30-10</u> (2nd) date approved: _____</p>
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PERMIT INFORMATION		
<p>TYPE OF APPLICATION</p> <p><input checked="" type="checkbox"/> 1. First Time System <input type="checkbox"/> 2. Replacement System Type replaced: _____ Year installed: _____</p> <p><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</p>	<p style="text-align: center;">THIS APPLICATION REQUIRES</p> <p><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</p>	<p style="text-align: center;">DISPOSAL SYSTEM COMPONENTS</p> <p><input checked="" type="checkbox"/> 1. Complete Non-engineered System <input type="checkbox"/> 2. Primitive System (graywater & airt. 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</p>
<p style="text-align: center;">SIZE OF PROPERTY</p> <p>19,101 <input checked="" type="checkbox"/> SQ. FT. <input type="checkbox"/> ACRES</p>	<p style="text-align: center;">DISPOSAL SYSTEM TO SERVE</p> <p><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 checked="" type="checkbox"/> Year Round <input type="checkbox"/> Undeveloped</p>	<p style="text-align: center;">TYPE OF WATER SUPPLY</p> <p><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</p>
<p style="text-align: center;">SHORELAND ZONING</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>		

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)			
<p style="text-align: center;">TREATMENT TANK</p> <p><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: <u>1,000</u> GAL</p>	<p style="text-align: center;">DISPOSAL FIELD TYPE & SIZE</p> <p><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>1,008</u> <input checked="" type="checkbox"/> sq. ft. <input type="checkbox"/> lin. ft.</p>	<p style="text-align: center;">GARBAGE DISPOSAL UNIT</p> <p><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</p>	<p style="text-align: center;">DESIGN FLOW</p> <p><u>305</u> gallons per day BASED ON: <input checked="" type="checkbox"/> 1. Table 501.1 (dwelling unit(s)) <input type="checkbox"/> 2. Table 501.1 (other facilities) SHOW CALCULATIONS — for other facilities —</p>
<p style="text-align: center;">SOIL DATA & DESIGN CLASS</p> <p>PROFILE <u>2</u> / CONDITION <u>A</u> / DESIGN <u>1</u> at Observation Hole # <u>TP-1</u> Depth _____ of Most Limiting Soil Factor Bedrock</p>	<p style="text-align: center;">DISPOSAL FIELD SIZING</p> <p><input type="checkbox"/> 1. Small—2.0 sq. ft. / gpd <input type="checkbox"/> 2. Medium—2.6 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</p>	<p style="text-align: center;">EFFLUENT/EJECTOR PUMP</p> <p><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</p>	<p><input type="checkbox"/> 3. Section 503.0 (meter readings) ATTACH WATER METER DATA</p> <p style="text-align: center;">LATITUDE AND LONGITUDE at center of disposal area Lat. <u>N44</u> d <u>03</u> m <u>21.8</u> s Lon. <u>W70</u> d <u>24</u> m <u>03.6</u> s If g.p.s. state margin of error: <u>20'</u></p>

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).		
Signature <i>Richard Sweet</i>	SE # 034	Date 10-26-06
Name Richard Sweet	Telephone Number 797-2110	Email Address sweet@maine.rr.com

Note: Changes to or deviations from the design should be confirmed with the Site Evaluator. HHE-200 Rev. 4/05

SATISFACTORY: *Richard Sweet* 2-12-09

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Department of Human Services
Division of Health Engineering, Station 10
(207) 287-5672 Fax: (207) 287-3161

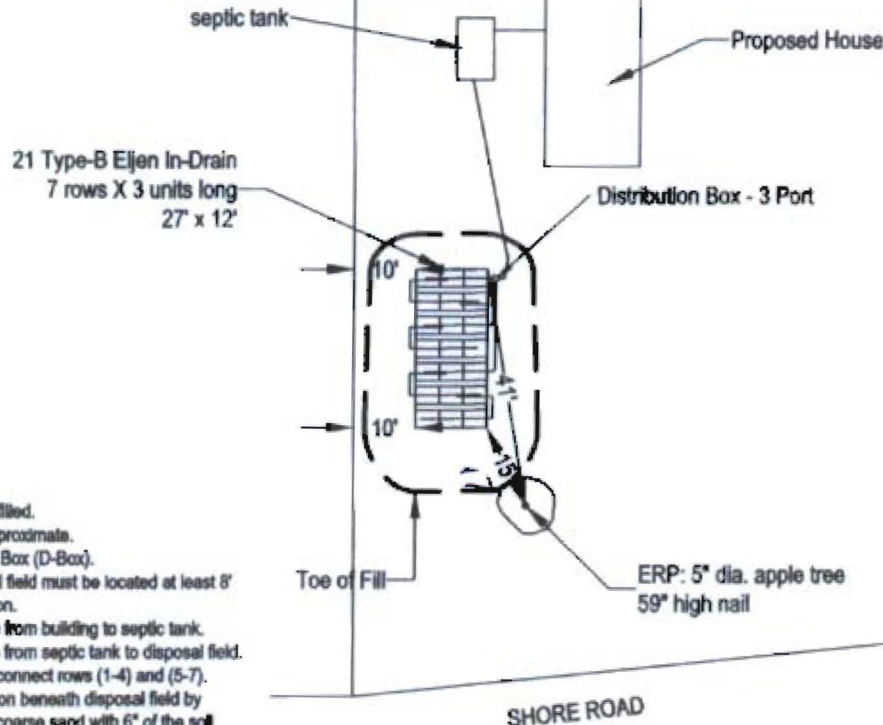
Town, City, Plantation
Portland

Street, Road, Subdivision
Shore Road

Owner or Applicant Name
Josh Empson

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. 1/4"/ft slope of pipe from building to septic tank.
6. Min. 1/8"/ft 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) -29"
Bottom of Disposal Field (at Row 1) -46"

ELEVATION REFERENCE POINT

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

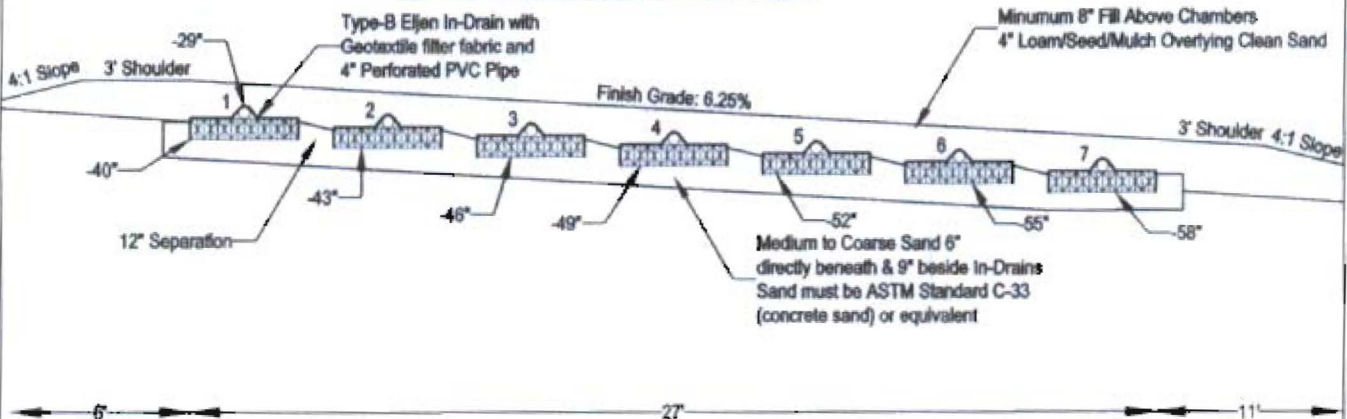
NOTE: SCARIFY ALL GROUND SURFACE TO BE FILLED. USE GRAVELLY COARSE SAND WITHIN 3' OF IN-DRAINS. REMAINING FILL: LOAMY SAND (no clay)

DISPOSAL FIELD CROSS SECTION

ROW #	1	2	3	4	5	6	7
TOP	-29"	-32"	-35"	-38"	-41"	-44"	-47"
BOTTOM	-46"	-49"	-52"	-55"	-58"	-61"	-64"

Scales:

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



Richard Chouet
Site Evaluator Signature

034

SE #

10-26-06

Date

Page 3 of 3

HHE-200 Rev. 10/02

SATISFACTORY: *Richard Chouet* 2-12-09

BUILDING PERMIT INSPECTION PROCEDURES

Please call 874-8703 or 874-8693 (ONLY)

or email: buildinginspections@portlandmaine.gov

With the issuance of this permit, the owner, builder or their designee is required to provide adequate notice to the City of Portland Inspection Services for the following inspections. Appointments must be requested 48 to 72 hours in advance of the required inspection. The inspection date will need to be confirmed by this office.

- **Please read the conditions of approval that is attached to this permit!! Contact this office if you have any questions.**
- **Permits expire in 6 months, if the project is not started or ceases for 6 months.**
- **If the inspection requirements are not followed as stated below additional fees may be incurred due to the issuance of a "Stop Work Order" and subsequent release to continue with construction.**

 X **Exposed septic field preparation and tank location inspection to check elevations, dimensions, piping, pumping station and system design prior to covering.**

 X **Backfill inspection of septic field for approved materials, stabilization, slopes and extensions**

The project cannot move to the next phase prior to the required inspection and approval to continue, REGARDLESS OF THE NOTICE OR CIRCUMSTANCES.

IF THE PERMIT REQUIRES A CERTIFICATE OF OCCUPANCY, IT MUST BE PAID FOR AND ISSUED TO THE OWNER OR DESIGNEE BEFORE THE SPACE MAY BE OCCUPIED.



CITY OF PORTLAND, MAINE
Department of Building Inspections

Original Receipt

June 25 2011

Received from Jack Egan

Location of Work 234 Shore Rd - Cushing

Cost of Construction \$ _____ Building Fee: _____

Permit Fee \$ _____ Site Fee: _____

Certificate of Occupancy Fee: _____

Total: 110.00

Building (1L) _____ Plumbing (15) Electrical (12) _____ Site Plan (U2) _____

Other _____

CBL: 106 A A 011

Check #: 1000 **Total Collected \$** 110.00

**No work is to be started until permit issued.
Please keep original receipt for your records.**

Taken by: [Signature]

WHITE - Applicant's Copy
YELLOW - Office Copy
PINK - Permit Copy

Gayle Guertin - Fw: Cushing Island - Empson

From: "Sweet Associates" <sweet@maine.rr.com>
To: <gg@portlandmaine.gov>
Date: 6/30/2010 3:10 PM
Subject: Fw: Cushing Island - Empson
CC: "Dick Sweet" <dick@sweetassociates.com>

FYI: see below, recent emial from Josh Empson

Steve Marcotte, CG, LSE
Sweet Associates
155 Gray Road
Falmouth, ME 04105
(207) 797-2110
www.sweetassociates.com
steve@sweetassociates.com

From: [Josh Empson](#)
Sent: Wednesday, June 30, 2010 3:02 PM
To: [Richard Sweet](#)
Subject: Re: Cushing Island

Dick,

We're using city water. It's a spring line that's turned on and off seasonally.

Please feel free to call my mobile as well if I can help with the city: 310.614.4989.

Josh

On Wed, Jun 30, 2010 at 11:05 AM, Richard Sweet <sweet@maine.rr.com> wrote:
Josh,

City Hall is back to me again. Are you putting a well in or are you going to use public water? I did not check that off on my design, probably because no one was sure which way the water supply would go when I was there.

Dick

----- Original Message -----

From: [Josh Empson](#)
To: [Richard Sweet](#)
Sent: Tuesday, June 29, 2010 1:51 PM
Subject: Re: Cushing Island

Thanks so much.

Josh

On Tue, Jun 29, 2010 at 10:23 AM, Richard Sweet <sweet@maine.rr.com> wrote:
Yes, it is kind of crazy, but keeping city hall happy has some value. I will take care of it.
Dick

----- Original Message -----

From: Josh Empson

To: Richard Sweet

Sent: Tuesday, June 29, 2010 12:58 PM

Subject: Re: Cushing Island

Richard,

I have a call in to the office to find out why they prefer you to sign it, but they sent me an email saying the same thing. If it wouldn't be too inconvenient, I'd be grateful if you could sign it, as we have a requirement to get all heavy equipment off of the island by Thursday. Straightening out the "who signs what" issue could take a couple of days on its own.

I would have thought they could take a .pdf of a copy signed by you, not sure why they need you to come in personally.

Thanks again for all of your help with this.

Josh

On Tue, Jun 29, 2010 at 8:39 AM, Richard Sweet <sweet@maine.rr.com> wrote:
Jay,

I got a call from the Portland code department this morning regarding the septic system application that we just brought up to date. They want me to go into City Hall and sign your paperwork as the applicant. The applicant should be you or your builder/excavation contractor. I can do it, but it is a little unusual. Let me know if you want me to do that.

Dick Sweet

No virus found in this incoming message.

Checked by AVG - www.avg.com

Version: 9.0.829 / Virus Database: 271.1.1/2972 - Release Date: 06/30/10 02:36:00