

083-AM-001

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services
Division of Health Engineering
(207) 287-5672 FAX (207) 287-4172

PROPERTY LOCATION

Town or Plantation: **PORTLAND GREAT DIAMOND**

Street Subdivision Lot: **SPRING AVENUE**

PROPERTY OWNER'S NAME

Last: **STEVENS** First: **LOUISE**

Applicant's Name: _____

Mailing Address of Owner: **44 VINE STREET
SOUTH BERWICK 03908**

Daytime Tel.: **384-5546**

Date Permit Issued: **10/26/98**

FEE: \$ **1110.00** Double Fee Charged

L.P.I. # **0124**

[Signature]
Local Plumbing Inspector Signature

Owner Statement

I state 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] **10/26/98**
Signature of Owner/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

[Signature] **10/4/98**
Local Plumbing Inspector Signature Date Approved

PERMIT INFORMATION

<p>TYPE OF APPLICATION:</p> <p>1. <input type="checkbox"/> First Time System</p> <p>2. <input checked="" type="checkbox"/> Replacement System Type Replaced _____ Year Installed _____</p> <p>3. <input checked="" type="checkbox"/> Expanded System <input type="checkbox"/> a. one time exempted <input checked="" type="checkbox"/> b. non exempted</p> <p>4. <input type="checkbox"/> Experimental System</p> <p>5. <input type="checkbox"/> Seasonal Conversion</p>	<p>THIS APPLICATION REQUIRES:</p> <p>1. <input checked="" type="checkbox"/> No Rule Variance</p> <p>2. <input type="checkbox"/> New System Variance (Municipal-soil condition)</p> <p>3. <input type="checkbox"/> First Time System Variance (State)</p> <p>4. <input type="checkbox"/> Replacement System Variance a. Local Plumbing Inspector approval b. State & Local Plumbing Inspector approval</p> <p>5. <input type="checkbox"/> Minimum Lot Size Variance</p> <p>6. <input type="checkbox"/> Seasonal Conversion Approval</p>	<p>DISPOSAL SYSTEM COMPONENT(S)</p> <p>1. <input checked="" type="checkbox"/> Non-Engineered System</p> <p>2. <input type="checkbox"/> Primitive System (graywater & alt toilet)</p> <p>3. <input type="checkbox"/> Alternative Toilet _____</p> <p>4. <input type="checkbox"/> Non-Engineered Treatment Tank</p> <p>5. <input type="checkbox"/> Holding Tank _____ Gallons</p> <p>6. <input type="checkbox"/> Non-Engineered Disposal Area (only)</p> <p>7. <input type="checkbox"/> Separated Laundry System</p> <p>8. <input type="checkbox"/> Engineered System (+2000 gpd)</p> <p>9. <input type="checkbox"/> Engineered Treatment Tank (only)</p> <p>10. <input type="checkbox"/> Engineered Disposal Area (only)</p> <p>11. <input type="checkbox"/> Pretreatment</p>
<p>SIZE OF PROPERTY</p> <p>: 3,000 SQ. FT. -</p>	<p>DISPOSAL SYSTEM TO SERVE:</p> <p>1. <input checked="" type="checkbox"/> Single Family Dwelling Unit</p> <p>2. <input type="checkbox"/> Multiple Family Dwelling: Number of Units _____</p> <p>3. <input type="checkbox"/> Other _____</p>	<p>TYPE OF WATER SUPPLY</p> <p>SUMMER WATER</p>
<p>SHORELAND ZONING</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>		

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

<p>TREATMENT TANK</p> <p>1. <input checked="" type="checkbox"/> Concrete <input checked="" type="checkbox"/> a. Regular <input type="checkbox"/> b. Low Profile</p> <p>2. <input type="checkbox"/> Plastic</p> <p>3. <input type="checkbox"/> Other _____</p> <p>SIZE 1000 Gallons</p>	<p>DISPOSAL AREA TYPE / SIZE</p> <p>1. <input type="checkbox"/> Bed _____ Sq. Ft.</p> <p>2. <input checked="" type="checkbox"/> Proprietary Device 750 Sq. Ft. <input type="checkbox"/> Cluster <input checked="" type="checkbox"/> Linear <input checked="" type="checkbox"/> Regular <input type="checkbox"/> H-20</p> <p>3. <input type="checkbox"/> Trench</p> <p>4. <input type="checkbox"/> Other _____</p> <p>24 PLASTIC CHAMBERS</p>	<p>GARBAGE DISPOSAL UNIT</p> <p>1. <input checked="" type="checkbox"/> No</p> <p>2. <input type="checkbox"/> Yes <input type="checkbox"/> Multi-compartment tank <input type="checkbox"/> Tank in series <input type="checkbox"/> Increase in tank capacity <input type="checkbox"/> Filter on tank outlet</p>	<p>CRITERIA USED FOR DESIGN FLOW (Show Calculations)</p> <p>EXISTING 3 BEDROOM POTENTIAL 4 BEDROOM</p> <p>DESIGN FLOW: 360 (Gallons/Day)</p>			
<p>PROFILE & DESIGN CLASS</p> <table border="1"> <tr> <th>PROFILE</th> <th>DESIGN</th> </tr> <tr> <td>3</td> <td>A/C</td> </tr> </table> <p>DEPTH TO MOST LIMITING FACTOR 28 "</p>	PROFILE	DESIGN		3	A/C	<p>DISPOSAL AREA SIZING</p> <p>1. <input type="checkbox"/> Small - 2.00</p> <p>2. <input type="checkbox"/> Medium - 2.60</p> <p>3. <input checked="" type="checkbox"/> Medium-Large - 3.30</p> <p>4. <input type="checkbox"/> Large - 4.10</p> <p>5. <input type="checkbox"/> Extra-Large - 5.00</p>
PROFILE	DESIGN					
3	A/C					

SITE EVALUATOR'S STATEMENT

On **9/14/98** (date) I completed a site evaluation on this property and state that the data reported is accurate and that the proposed system is in compliance with the Subsurface Wastewater Disposal Rules.

Albert Frick
Site Evaluator Signature

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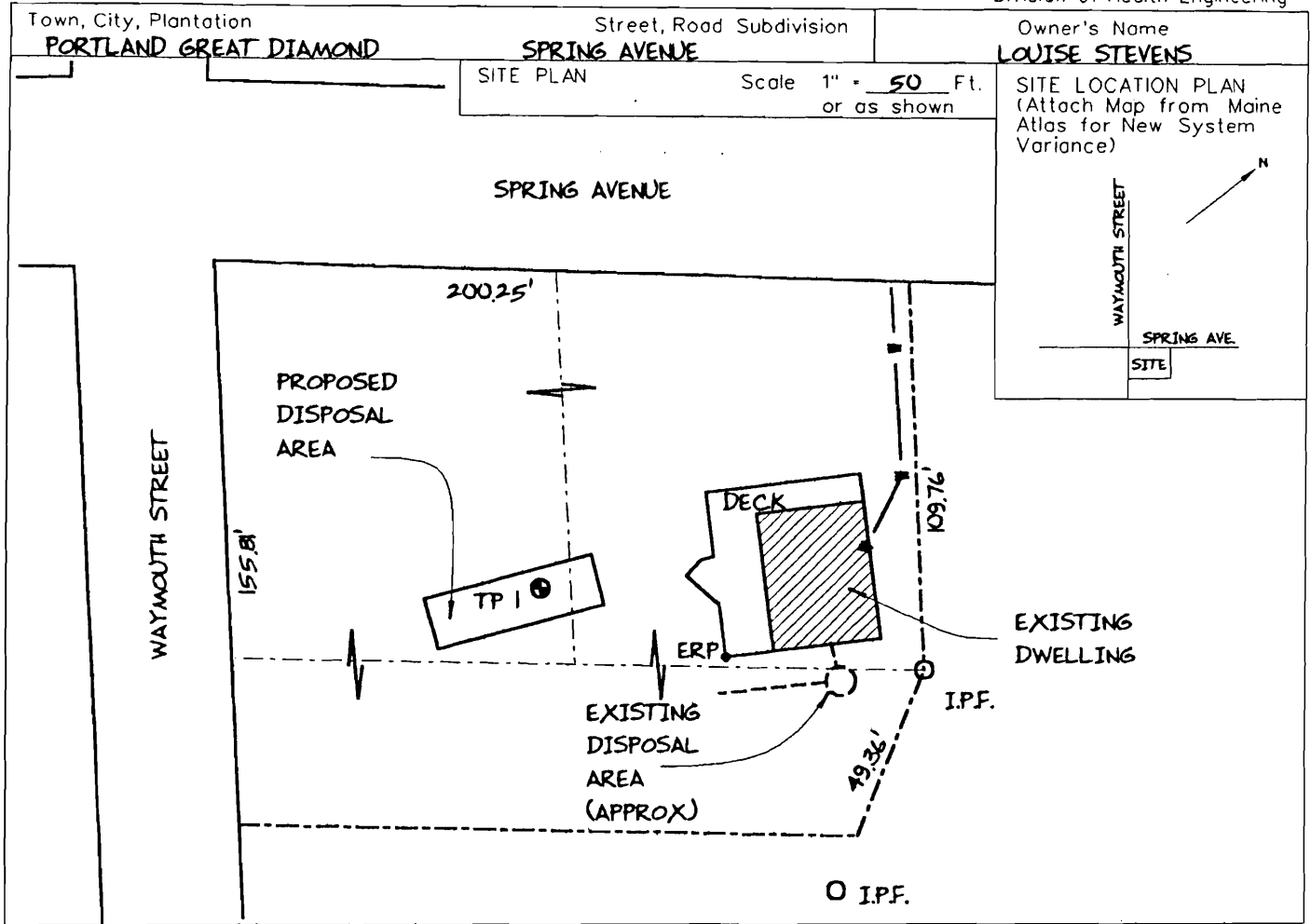
10/12/98
Date

10/25/98 Deposit \$5000.00 CK#188



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SOIL 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			DARK BROWN	
10	SANDY LOAM	FRIABLE	DARK YELLOW BROWN	
20				
30	LOAMY SAND & SAND	FIRM	LIGHT YELLOW BROWN	COMMON, DISTINCT
40				
45	REFUSAL			
50				

Soil Classification 3 A/C Profile Condition	Slope %	Limiting Factor 28"	<input checked="" type="checkbox"/> Ground Water <input type="checkbox"/> Restrictive Layer <input type="checkbox"/> Bedrock <input type="checkbox"/> Pit Depth
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Observation Hole _____ Test Pit Boring
" Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (inches)	Texture	Consistency	Color	Mottling
0				
10				
20				
30				
40				
50				

Soil Classification Profile Condition	Slope %	Limiting Factor "	<input type="checkbox"/> Ground Water <input type="checkbox"/> Restrictive Layer <input type="checkbox"/> Bedrock <input type="checkbox"/> Pit Depth
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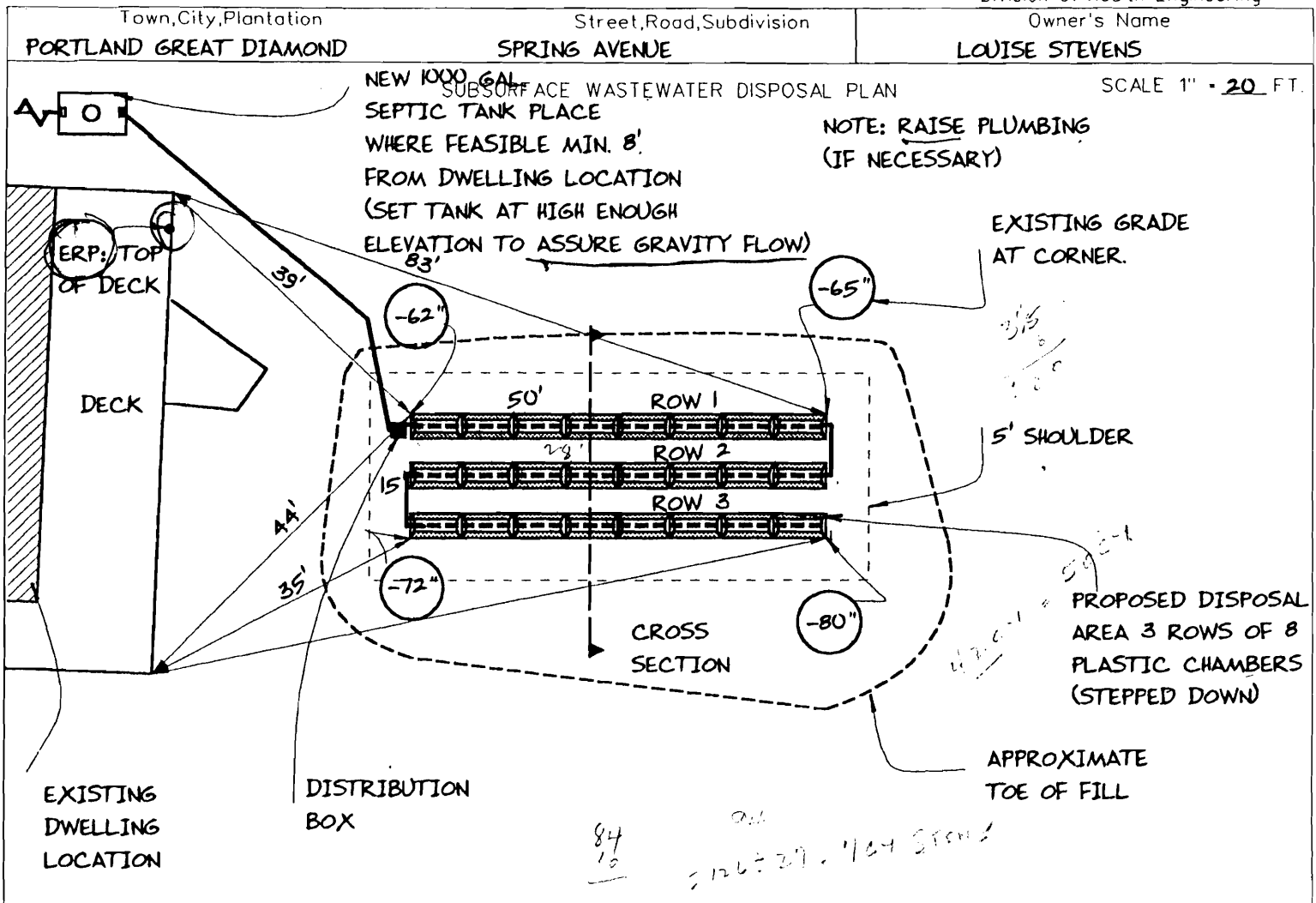
Albert Frick
Site Evaluator Signature

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SE

10/12/98
Date

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FILL REQUIREMENTS

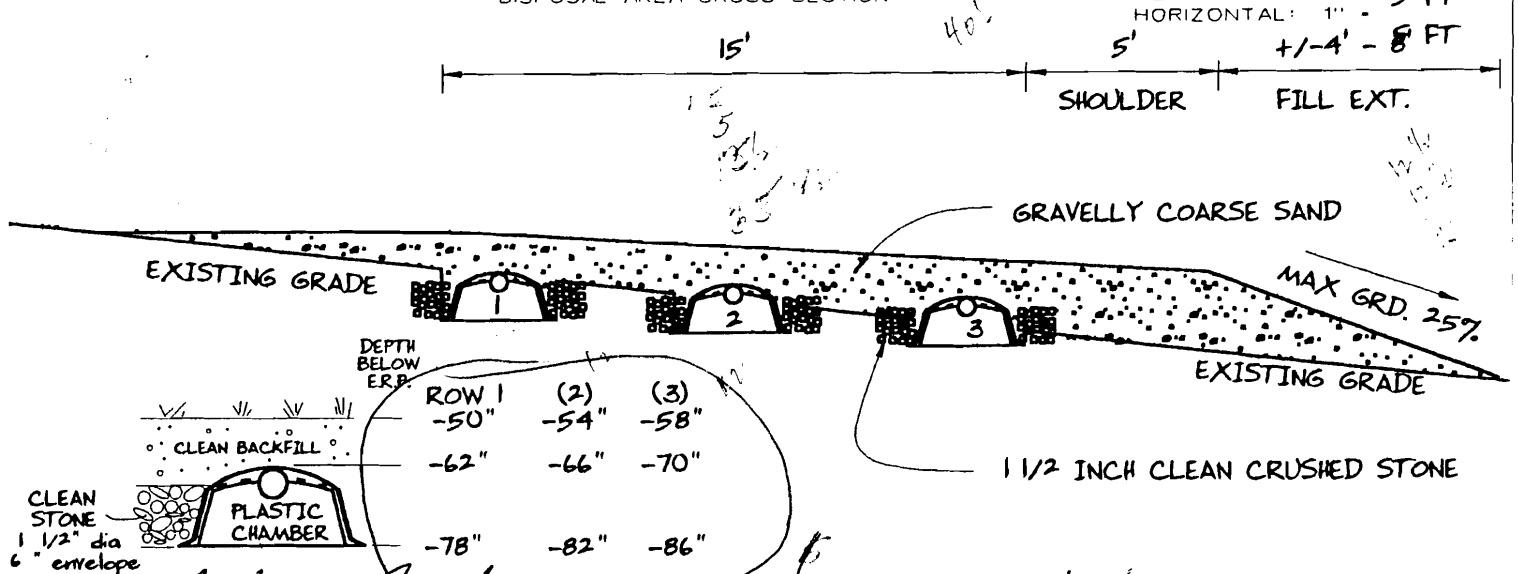
Depth of Fill (Upslope) : 8-11"
Depth of Fill (Downslope) : 12-22"

CONSTRUCTION ELEVATIONS

Finished Grade Elevation
Top of Distribution Pipe or Proprietary Device
Bottom of Disposal Area

SEE **DETAIL BELOW**
ELEVATION REFERENCE POINT
Location & Description: TOP OF DECK
Reference Elevation: 00"

DISPOSAL AREA CROSS SECTION



Albert Smith
Site Evaluator Signature

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SE

10/12/98
Date

ATTACHMENT TO SUBSURFACE WASTEWATER DISPOSAL APPLICATION

PORTLAND (GREAT DIAMOND ISLAND) SPRING AVE. LOUISE STEVENS
TOWN LOCATION APPLICANT'S NAME

- 6) The septic tank should be pumped within two years of installation and subsequently as recommended by the pump service, but in no event should the septic tank be pumped less often than once every three years.
- 7) The actual water flow or number of bedrooms shall not exceed the design criteria indicated on this application without a re-evaluation of the system as proposed. If the system is supplied by public water or a private service with a water meter, the water consumption per period should be divided by the number of days to calculate the average daily water consumption (water usage (cu.ft.) x 7.48 cu.ft.(gallons per cu.ft.) ÷ # of days in period).
- 8) The general minimum setbacks between a well and septic system serving a single family residence is 100-300 feet, unless the local municipality has a more stringent requirement. A well installed by an abutter within the minimum setback distances prior to the issuance of a permit for the proposed disposal system may void this design.
- 9) When a gravity system is proposed: **BEFORE CONSTRUCTION/INSTALLATION BEGINS**, the system installer or building contractor shall review the elevations of all points given in this application and the elevation of the existing and/or proposed building drain and septic tank inverts for compatibility to minimum slope requirements. In gravity systems, the invert of the septic tank(s) outlet(s) shall be at least 4 inches above the invert of the distribution box outlet at the disposal area. When an effluent pump is required, provisions shall be made to make certain that surface ground water does not enter the septic tank or pump station. An alarm device warning of a pump failure shall be installed. Also, when pumping is required to a chamber system, install a "T" connection in the distribution box and place 3 inches of stone or a splash plate in the first chamber. Insulate gravity pipes, pump lines and the distribution box as necessary to prevent freezing.
- 10) On all systems, remove the vegetation, organic duff and old fill material from under the disposal area and any fill extension. On sites where the proposed system is to be installed in natural soil, scarify the bottom and sides of the excavated disposal area with a rake. Do not use wheeled equipment on the scarified soil surface. For systems installed in fill, scarify the native soil by roto-tilling to a depth of at least 8 inches over the entire disposal and fill extension area to prevent glazing and to promote fill bonding. Place fill in loose layers no deeper than 8 inches and compact thoroughly before placing more fill (this ensures that voids and loose pockets are eliminated to minimize the chance of leakage). Do not use wheeled equipment on the scarified soil area until after 12 inches of fill is in place. Keep equipment off the chambers. Divert the surface water away from the disposal area by ditching or shallow swales.
- 11) Unless noted otherwise, fill shall be gravelly coarse sand which contains no more than 5% fines (silt and clay).
- 12) Do not install systems on loamy, silty, or clayey soils during wet periods since soil smearing/glazing may seal off the soil interface.
- 13) Seed all filled and disturbed surfaces with perennial grass seed, then mulch with hay or equivalent material to prevent erosion.

