

**City of Portland, Maine - Building or Use Permit Application**

389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

Permit No: 02-0003	Issue Date:	CBL: 088 B007001
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Location of Construction: 0 Off Vermont Ave <b>P.I.</b>	Owner Name: Johnson Thomas Covington	Owner Address: Po Box 48	Phone: 207-766-3375
Business Name: n/a	Contractor Name: Albert Frick Associates	Contractor Address: 95A County Road Gorham	Phone: 2078395563
Lessee/Buyer's Name: n/a	Phone: n/a	Permit Type: First Time System	Zone: <b>I-2-1</b>

Past Use: Vacant	Proposed Use: Single Family / First Time Disposal System for a 3 bedroom home. Complete non-engineered system.	Permit Fee:	Cost of Work: \$0.00	CEO District: 3
		FIRE DEPT: <input type="checkbox"/> Approved <input type="checkbox"/> Denied	INSPECTION: Use Group: Type:	

Proposed Project Description: Install non-engineered disposal system	Signature:	Signature:
PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)		
Action: <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied		
Signature:	Date:	

Permit Taken By: gg	Date Applied For: 12/28/2001	<b>Zoning Approval</b>		
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<p>1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.</p> <p>2. Building permits do not include plumbing, septic or electrical work.</p> <p>3. Building permits are void if work is not started within six (6) months of the date of issuance. False information may invalidate a building permit and stop all work..</p>	<p>Special Zone or Review</p> <input type="checkbox"/> Shoreland <b>N/A</b> <input type="checkbox"/> Wetland <input type="checkbox"/> Flood Zone <input type="checkbox"/> Subdivision <input checked="" type="checkbox"/> Site Plan <i>monaghan</i> <b>2002-0002</b> Maj <input type="checkbox"/> Minor <input type="checkbox"/> MM <input checked="" type="checkbox"/>	<p>Zoning Appeal</p> <input type="checkbox"/> Variance <input type="checkbox"/> Miscellaneous <input type="checkbox"/> Conditional Use <input type="checkbox"/> Interpretation <input type="checkbox"/> Approved <input type="checkbox"/> Denied	<p>Historic Preservation</p> <input checked="" type="checkbox"/> Not in District or Landmark <input type="checkbox"/> Does Not Require Review <input type="checkbox"/> Requires Review <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied
	Date:	Date:	Date:

**CERTIFICATION**

I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in the application is issued, I certify that the code official's authorized representative shall have the authority to enter all areas covered by such permit at any reasonable hour to enforce the provision of the code(s) applicable to such permit.

SIGNATURE OF APPLICANT	ADDRESS	DATE	PHONE
RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE		DATE	PHONE

0 2 2003

**SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION**

Main Department of Human Resources  
607-267-6077 FAX 607-267-4322

<b>PROPERTY LOCATION</b>		>> <b>Caution: Permit Required - Attach in Space Below</b> <<	
City, Town, or Plantation	PORTLAND, PEAKS ISLAND	The Subsurface Wastewater Disposal System shall not be installed until a Permit is attached HERE 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.	
Street or Road	HIGHLAND AVENUE		
Subdivision, Lot #			
<b>OWNER/APPLICANT INFORMATION</b>			
Name (last, first, middle)	JOHNSON CONINGTON		
Mailing Address of	P.O. BOX 48 PEAKS ISLAND, ME 04108		
Daytime Tel #			
<b>Owner or Applicant Statement</b>		<b>Caution: Inspections Required</b>	
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.		I have inspected the installation described above and found it to be in compliance with the Subsurface Wastewater Disposal Rules Application.	
Signature of Owner/Applicant _____ Date _____		Municipal Tax Map - <u>88, BLOCK B</u> Lot # <u>7</u> Local Plumbing Inspector Signature _____ (Print Date Approved) _____	

PERMIT INFORMATION		
<b>TYPE OF APPLICATION</b>	<b>THIS APPLICATION REQUIRES</b>	<b>DISPOSAL SYSTEM COMPONENTS</b>
1. <input checked="" type="checkbox"/> First Time System 2. <input type="checkbox"/> Replacement System Type Replaced: _____ Year Installed: _____ 3. <input type="checkbox"/> Expanded System a. <input type="checkbox"/> One-time exempted b. <input type="checkbox"/> Non-exempted 4. <input type="checkbox"/> Experimental System 5. <input type="checkbox"/> Seasonal Conversion	1. <input checked="" type="checkbox"/> No Rule Variance 2. <input type="checkbox"/> First Time System Variance a. <input type="checkbox"/> Local Plumbing Inspector Approval b. <input type="checkbox"/> State & Local Plumbing Inspector Approval 3. <input type="checkbox"/> Replacement System Variance a. <input type="checkbox"/> Local Plumbing Inspector Approval b. <input type="checkbox"/> State & Local Plumbing Inspector Approval 4. <input type="checkbox"/> Minimum Lot Size Variance 5. <input type="checkbox"/> Seasonal Conversion Approval	1. <input checked="" type="checkbox"/> Complete Non-Engineered System 2. <input type="checkbox"/> Primitive System (graywater & oil toilet) 3. <input type="checkbox"/> Alternative Toilet, specify: _____ 4. <input type="checkbox"/> Non-Engineered Treatment Tank (only) 5. <input type="checkbox"/> Holding Tank _____ Gallons 6. <input type="checkbox"/> Non-Engineered Disposal Field (only) 7. <input type="checkbox"/> Separated Laundry System 8. <input type="checkbox"/> Complete Engineered System (2000 gpd) 9. <input type="checkbox"/> Engineered Treatment Tank (only) 10. <input type="checkbox"/> Engineered Disposal Field (only) 11. <input type="checkbox"/> Pre-treatment, specify: _____ 12. <input type="checkbox"/> Miscellaneous components
<b>SIZE OF PROPERTY</b>	<b>DISPOSAL SYSTEM TO SERVE</b>	<b>PROPOSED TYPE OF WATER SUPPLY</b>
26,280 <input checked="" type="checkbox"/> sq. ft. <input type="checkbox"/> acres	1. <input checked="" type="checkbox"/> Single Family Dwelling Unit, No. of Bedrooms: <u>3</u> 2. <input type="checkbox"/> Multiple Family Dwelling, No. of Units: _____ 3. <input type="checkbox"/> Other: _____ SPECIFY: _____	1. <input checked="" type="checkbox"/> Drilled Well 2. <input type="checkbox"/> dug Well 3. <input type="checkbox"/> Private 4. <input type="checkbox"/> Public 5. <input type="checkbox"/> 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>	<b>DISPOSAL FIELD TYPE &amp; SIZE</b>	<b>GARBAGE DISPOSAL UNIT</b>	<b>DESIGN FLOW</b>
1. <input checked="" type="checkbox"/> Concrete a. <input checked="" type="checkbox"/> Regular b. <input type="checkbox"/> Low Profile 2. <input type="checkbox"/> Plastic 3. <input type="checkbox"/> Other: _____ CAPACITY: <u>1000</u> gallons	1. <input type="checkbox"/> Stone Bed 2. <input type="checkbox"/> Stone Trench 3. <input checked="" type="checkbox"/> Proprietary Device a. <input type="checkbox"/> Cluster array b. <input checked="" type="checkbox"/> Linear b. <input checked="" type="checkbox"/> Regular c. <input type="checkbox"/> P-20 loaded 4. <input type="checkbox"/> Other: _____ SIZE: <u>1152</u> <input type="checkbox"/> sq. ft. <input checked="" type="checkbox"/> lin. ft. <u>24 ELZEN IN-DRAIN UNITS</u>	1. <input checked="" type="checkbox"/> No 3. <input type="checkbox"/> Maybe 2. <input type="checkbox"/> Yes >> Specify one below: a. <input type="checkbox"/> Multi-compartment tank b. <input type="checkbox"/> Tank in series c. <input type="checkbox"/> Increase in tank capacity d. <input type="checkbox"/> Filter on tank outlet	270 gallons per day BASED ON: 1. <input checked="" type="checkbox"/> Table 501.1 (dwelling units) 2. <input type="checkbox"/> Table 501.2 (other facilities) SHOW CALCULATIONS - for other facilities -
<b>SOIL DATA &amp; DESIGN CLASS</b>	<b>DISPOSAL FIELD SIZING</b>	<b>PUMPHD</b>	
PROFILE: <u>2</u> / <u>A/C</u> / <u>1</u> AT Observation Hole # <u>TP 3</u> Depth <u>10</u> " Elevation <u>-38</u> " OF MOST LIMITING SOIL FACTOR	1. <input type="checkbox"/> Small - 2.0 sq ft /gpd 2. <input type="checkbox"/> Medium - 2.6 sq ft /gpd 3. <input checked="" type="checkbox"/> Medium-Large - 3.3 sq ft /gpd 4. <input type="checkbox"/> Large - 4.1 sq ft /gpd 5. <input type="checkbox"/> Extra Large - 5.0 sq ft /gpd	1. <input checked="" type="checkbox"/> Not required 2. <input type="checkbox"/> May be required 3. <input type="checkbox"/> Required >> Specify only for engineered or experimental systems. DOSE _____ Colons _____	3 BEDROOMS AT 90 GALLONS PER DAY EACH = 270 GPD 3. <input type="checkbox"/> Section 503.0 (meter readings) ATTACH WATER-METER DATA

**SITE EVALUATOR STATEMENT**  
 I certify that on 7/11/01 (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 (10-144A CMR 241).

*Albert Frick*  
 Site Evaluator Signature

11/12/2001  
 Date

DEC 2 8

# SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services  
Division of Health Engineering

Town, City, Plantation  
**PORTLAND, PEAKS ISLAND**

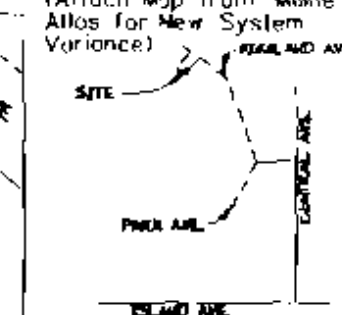
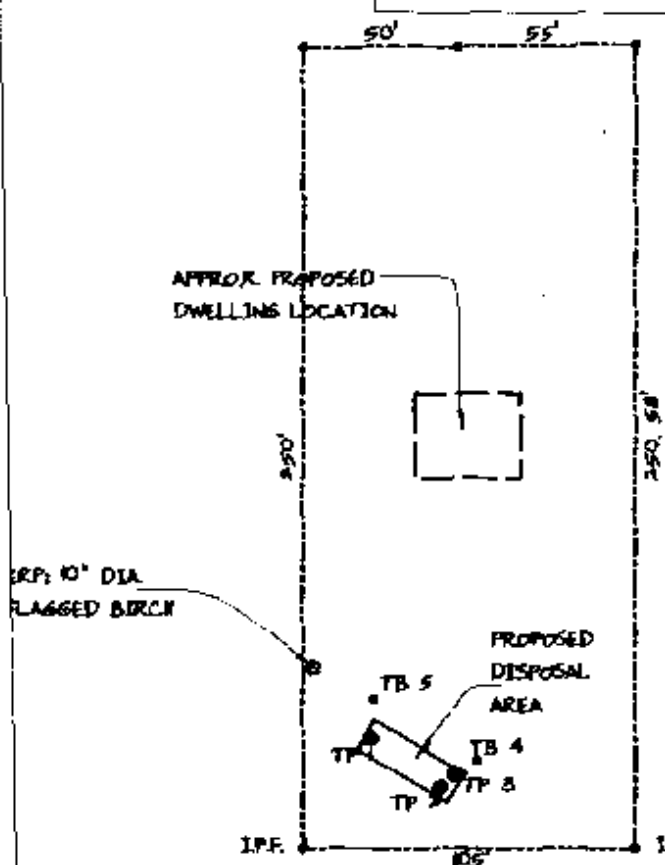
Street, Road Subdivision  
**HIGHLAND AVENUE**

Owner's Name  
**CONINGTON JOHNSON**

SITE PLAN

Scale 1" = 60' ft.  
or as shown

SITE LOCATION PLAN  
(Attach Map from Maine  
Allos for New System  
Variance)



NOTE: PROPERTY INFORMATION PER PLAN BY  
TRM SURVEYORS DATED AUG. 2001

TP 4 = 25" TO BEDROCK  
TP 5 = 10" TO BEDROCK

## 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 (feet)	Texture	Consistency	Color	Mottling
0			DARK BROWN	
0-10	SANDY LOAM			
10-20		FRIABLE	DARK YELLOWISH BROWN	
20-30	LOAMY SAND			
30-40			MIXED REDDISH BROWN	FEW DISTINCT
40-50	LOAMY SAND & SAND	FIRM	OLIVE BROWN	COMMON DISTINCT
50	(BEDROCK @ 52")			

Soil Classification: 3 Profile, C Condition  
Slope: /  
Limiting Factor: 26"  
Ground Water:  Restrictive Layer:  Bedrock:  Pit Depth:

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			DARK BROWN	
0-10	SANDY LOAM	FRIABLE	DARK YELLOWISH BROWN	
10-30				
30-40	LOAMY SAND & SAND	FIRM	OLIVE BROWN	FEW DISTINCT
40-50				COMMON DISTINCT
50	BEDROCK			

Soil Classification: 5 Profile, C Condition  
Slope: /  
Limiting Factor: 26"  
Ground Water:  Restrictive Layer:  Bedrock:  Pit Depth:

*Albert Frick*  
Site Evaluator Signature

KS  
SF 4

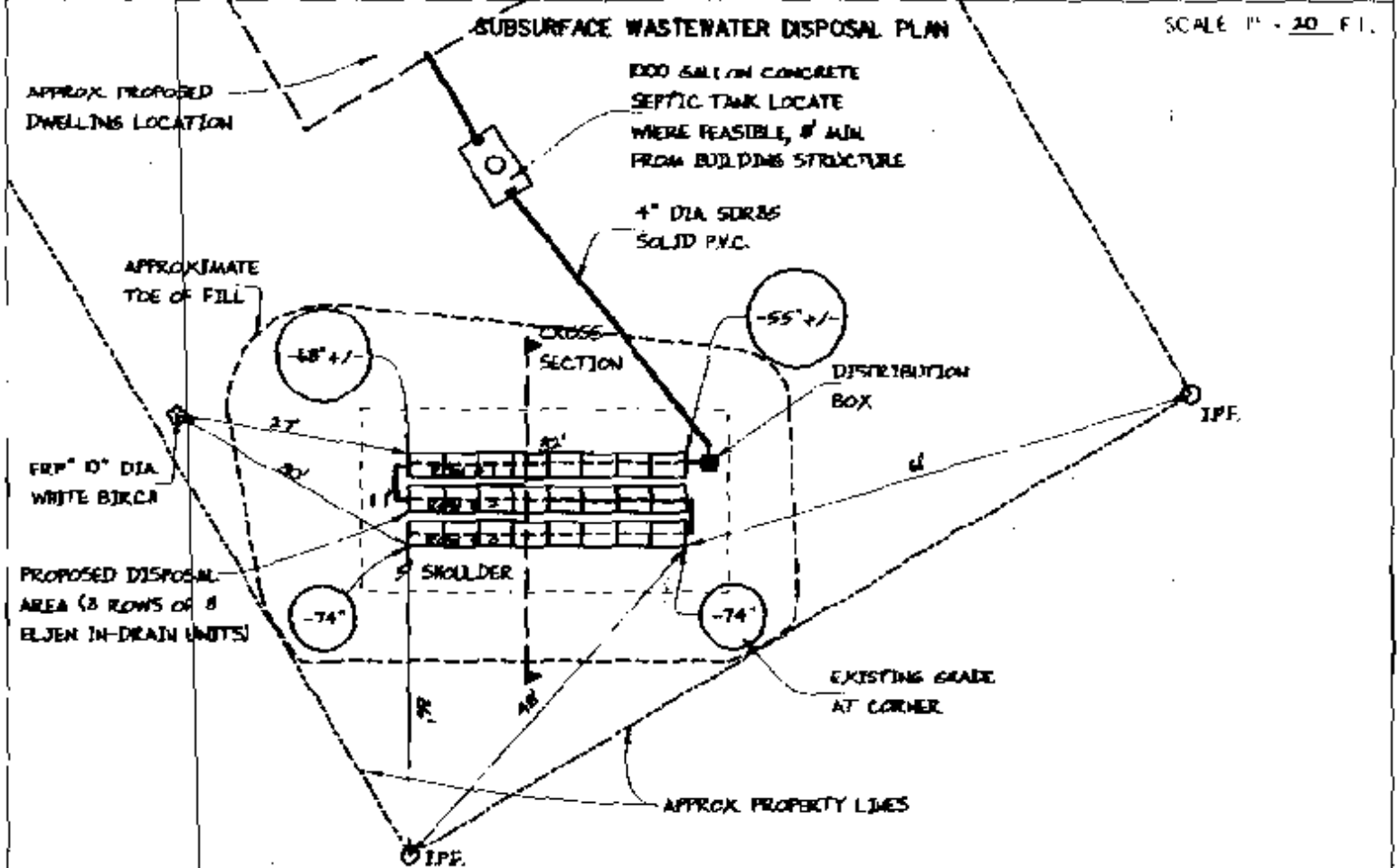
11/12/2001  
Date



# SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

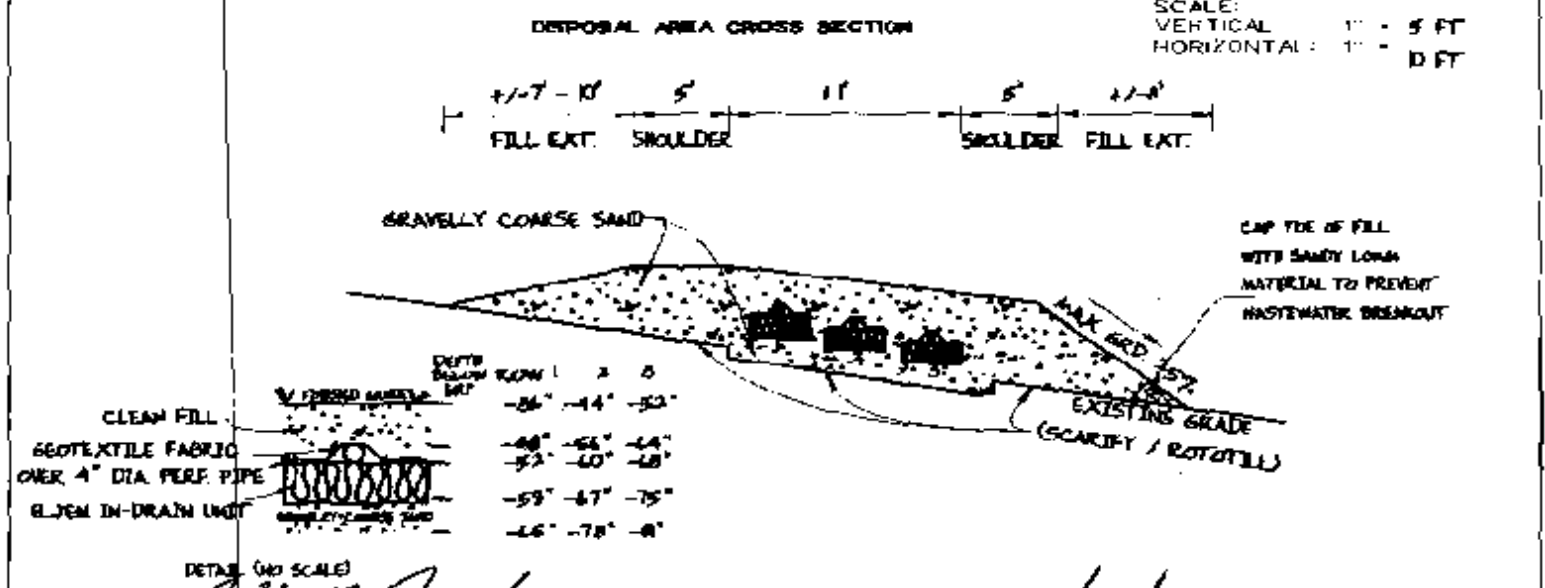
Department of Human Services  
Division of Health Engineering

Town, City, Plantation: **PORTLAND, PEAKS ISLAND** Street, Road, Subdivisor: **HIGHLAND AVENUE** Owner's Name: **COVINGTON JOHNSON**



SCALE 1" = 20' F.L.

FILL REQUIREMENTS		CONSTRUCTION ELEVATIONS		ELEVATION REFERENCE POINT	
Depth of FB (Up slope)	± 15" - 22"	Finished Grade Elevation	SEE DETAIL BELOW	Location & Description	NAIL 34" ABOVE
Depth of FB (Down slope)	± 22"	Top of Distribution Pipe or Proprietary Device		BASE OF 10" DIA. FLAGGED BIRCH	
		Bottom of Disposal Area		Reference Elevation (00)	



DETAIL (NO SCALE)

*Albert Frick*  
Site Evaluator Signature

163  
SE \*

11/12/2009  
Date

**Albert Frick Associates, Inc.**

Soil Scientists & Site Evaluators

95A County Road Corham, Maine 04038

(707) 810-5563

PORTLAND (PEAKS ISLAND) TOWN      HIGHLAND AVE.      LOCATION      COVINGTON JOHNSON      APPLICANT'S NAME

- 1) The Plumbing and Subsurface Wastewater Disposal Rules adopted by the State of Maine, Department of Human Services pursuant to 22 M.R.S.A. § 42 (the "Rules") are incorporated herein by reference and made a part of this application and shall be consulted by the owner/applicant, the system installer and/or building contractor for further construction details and material specifications. The system installer should contact Albert Frick Associates, Inc. 839-5563, if there are any questions concerning materials, procedures or designs. The system installer and/or building contractor installing the system shall be solely responsible for compliance with the Rules and with all state and municipal laws and ordinances pertaining to the permitting, inspection and construction of subsurface wastewater disposal systems.
- 2) This application is intended to represent facts pertinent to the Rules only. It shall be the responsibility of the owner/applicant, system installer and/or building contractor to determine compliance with and to obtain permits under all applicable local, state and/or federal laws and regulations (including, without limitation, Natural Resources Protection Act, wetland regulations, zoning ordinances, subdivision regulations, Site Location of Development Act and minimum lot size laws) before installing this system or considering the property on which the system is to be installed a "buildable" lot. It is recommended that a wetland scientist be consulted regarding wetland regulations.

Prior to the commencement of construction/installation, the local plumbing inspector shall inform the owner/applicant and Albert Frick Associates, Inc. of any local ordinances which are more restrictive than the Rules in order that the design may be amended. All designs are subject to review by local, state and/or federal authorities. Albert Frick Associates, Inc.'s liability shall be limited to revisions required by regulatory agencies pursuant to laws or regulations in effect at the time of preparation of this application.

- 3) All information shown on this application relating to property lines, well locations, subsurface structures and underground facilities (such as, utility lines, drains, septic systems, water lines, etc.) are based solely upon information provided by the owner/applicant and has been relied upon by Albert Frick Associates, Inc. in preparing this application. The owner/applicant shall review this application prior to the start of construction and confirm this information.

- 4) Installation of a garbage (grinder) disposal is not recommended. If one is installed, an additional 1000 gallon septic tank or a septic tank filter should be connected in series to the proposed septic tank.

- 5) The system user shall avoid introducing kitchen grease or fats into this system. Chemicals such as septic tank cleaners and/or chlorine (such as from water treatment) and controlled or hazardous substances shall not be disposed of in this system.

ATTACHMENT TO SUBSURFACE WASTEWATER DISPOSAL APPLICATION

PORTLAND (PEAKS ISLAND) HIGHLAND AVE. COVINGTON JOHNSON  
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.)  $\div$  7.48 cu. ft. (gallons per cu. ft.)  $\div$  # of days in period).
- 8) The general minimum setback 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 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 final 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 rock-tilling to a depth of at least 8 inches over the entire disposal and fill extension area to prevent glazing soil 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. Direct 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.

