

336 J 011

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Department of Human Services
Division of Health Engineering, Station 10, SHS
(207) 287-5672 FAX (207) 287-4172

PROPERTY LOCATION		>> Caution: Permit Required - Attach In Space Below <<	
City, Town, or Plantation	PORTLAND	PERMIT # 9408 TOWN COPY PORTLAND Date Permit Issued: 5/27/05 Local Plumbing Inspector Signature: <i>[Signature]</i> \$11010.00 FEE Charged L.P.I. # 01681d 2005 604	
Street or Road	41 BRAINTREE STREET		
Subdivision, Lot *			
OWNER/APPLICANT INFORMATION			
Name (last, first, MI)	DUBOIS DAVID		
Mailing Address of	41 BRAINTREE STREET PORTLAND, ME 04103		
Daytime Tel *	632-3525	Municipal Tax Map *	336 Lot * J-112 & 21-23
Owner or Applicant Statement		Caution: Inspections Required	
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.		I have inspected the installation authorized above and found it to be in compliance with the Subsurface Wastewater Disposal Rules Application.	
Signature of Owner/Applicant: <i>[Signature]</i> Date: 5/27/05		Local Plumbing Inspector Signature: _____ (1st) Date Approved: _____ (2nd) Date Approved: _____	

PERMIT INFORMATION		
TYPE OF APPLICATION 1 <input type="checkbox"/> First Time System 2 <input checked="" type="checkbox"/> Replacement System Type Replaced <u>TRENCH</u> Year Installed <u>PRE-1974</u> 3 <input type="checkbox"/> Expanded System 4 <input type="checkbox"/> Minor Expansion 5 <input type="checkbox"/> Major Expansion 6 <input type="checkbox"/> Experimental System 7 <input type="checkbox"/> Seasonal Conversion	THIS APPLICATION REQUIRES 1 <input 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 8 Local Plumbing Inspector Approval 3 Replacement System Variance a <input checked="" type="checkbox"/> Local Plumbing Inspector Approval b. <input type="checkbox"/> State 8 Local Plumbing Inspector Approval 4 <input type="checkbox"/> Minimum Lot Size Variance 5 <input type="checkbox"/> Seasonal Conversion Approval	DISPOSAL SYSTEM COMPONENTS 1 <input checked="" type="checkbox"/> Complete Non-Engineered System 2 <input type="checkbox"/> Primitive System (graywater & a/t toilet) 3 <input type="checkbox"/> Alternative Toilet, specify: _____ 4. Oldon-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) 11.0 Pre-treatment, specify: 12. <input type="checkbox"/> Miscellaneous components
.34 <input type="checkbox"/> sq. ft. <input checked="" type="checkbox"/> acres	DISPOSAL SYSTEM TO SERVE 1 <input checked="" type="checkbox"/> Single Family Dwelling Unit, No. of Bedrooms: <u>2</u> 2 <input type="checkbox"/> Multiple Family Dwelling, No of Units: _____ 3. <input type="checkbox"/> Other: _____	TYPE OF WATER SUPPLY 1 <input type="checkbox"/> Drilled Well 2 <input type="checkbox"/> Dug Well 3 <input type="checkbox"/> Private 4. <input checked="" type="checkbox"/> Public 5 <input type="checkbox"/> Other
SHORELAND ZONING <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	SPECIFY Current Use <input type="checkbox"/> Seasonal <input checked="" type="checkbox"/> Year Round <input type="checkbox"/> Undeveloped	

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)			
TREATMENT TANK 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	DISPOSAL FIELD TYPE & SIZE 1. <input type="checkbox"/> Stone Bed 2. Stone Trench 3 <input checked="" type="checkbox"/> Proprietary Device a. <input type="checkbox"/> Cluster array c. <input checked="" type="checkbox"/> Linear b. <input checked="" type="checkbox"/> Regular d. <input type="checkbox"/> H-20 loaded 4. <input type="checkbox"/> Other: _____ SIZE <u>750</u> <input checked="" type="checkbox"/> sq. ft. <input type="checkbox"/> lin. ft. 15 PLASTIC CHAMBERS	GARBAGE DISPOSAL UNIT 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"/> _____ tanks in series c <input type="checkbox"/> Increase in tank capacity d. <input type="checkbox"/> Filter on tank outlet	DESIGN FLOW 180 gallons per day BASED ON: 1. <input checked="" type="checkbox"/> Table 501.1 (dwelling unit(s)) 2. <input type="checkbox"/> Table 501.2 (other facilities) SHOW CALCULATIONS - for other facilities -
SOIL DATA & DESIGN CLASS PROFILE <u>8</u> CONDITION <u>D</u> DESIGN <u>3</u> All Observation Hole - <u>TP A</u> Depth <u>9</u> " OF MOST LIMITING SOIL FACTOR	DISPOSAL FIELD SIZING 1. <input type="checkbox"/> Small - 2.0 sq.ft./gpd 2. <input type="checkbox"/> Medium - 2.6 sq.ft./gpd 3. <input type="checkbox"/> Medium-Large - 3.3 sq.ft./gpd 4. <input checked="" type="checkbox"/> Large - 4.1 sq.ft./gpd 5. <input type="checkbox"/> Extra-Large - 5.0 sq.ft./gpd	PUMPING 1. <input type="checkbox"/> Not required 2. <input type="checkbox"/> May be required 3. <input checked="" type="checkbox"/> Required >> Specify only for engineered or experimental systems: DOSE: _____ Gallons	2 BEDROOMS A T 90 GALLONS PER DAY EACH= 180 GPD 3 <input type="checkbox"/> Section 503.0 (meter readings) ATTACH WATER-METER DATA

SITE EVALUATOR STATEMENT		
I certify that on <u>5/23/05</u> (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).		
Site Evaluator Signature: <i>[Signature]</i> ALBERT FRICK Site Evaluator Name Printed	SE # <u>163</u> Telephone Number (207) 839-5563	Date: <u>5/27/2005</u> E-mail Address ALBERTFRICK@WORLDNET.ATT.NET
Note: Changes to or deviations from the design should be confirmed with the Site Evaluator		

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Department of Health Services
 Division of Environmental Health Services
 1201 State Street, Augusta, ME 04330-1101
 (207) 624-6300

Town, City, Plantation: **PORTLAND** Street, Road Subdivision: **41 BRAINTREE STREET** Owner's Name: **DAVID DUBOIS**

SITE PLAN Scale: 1" = 40 Ft. or as shown

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

NOTE: PROPERTY INFORMATION APPROXIMATED PER TOWN TAX MAP. VERIFY PROPERTY LINES IN FIELD PRIOR TO INSTALLATION TO ASSURE PROPER SETBACKS.

TO N TON STREET

BRAINTREE STREET

PAVED DRIVE

EXISTING DWELLING

APPROX. EXISTING DISPOSAL SYSTEM

WP: 1/2" DIA. FLAGGED MAPLE

PROPOSED DISPOSAL AREA

TP A

FLAGS AS STAKED IN FIELD

I.P.F.

HARMONY ROAD

FOREST AVENUE

DEPTH BELOW MINERAL SOIL SURFACE (inches)	Texture	Consistency	Color	Mottling
0	VERY FINE SANDY LOAM	FRIABLE	DARK BROWN	
10	SILT-LOAM	FIRM	LIGHT OLIVE BROWN	FEW FAINT COMMON DISTINCT
20			OLIVE	& FREE WATER
30				
40				
50				

B

Soil Classification: 9 D	Slope: _____	Limiting Factor: 9	<input type="checkbox"/> Ground Water <input type="checkbox"/> Restrictive Layer <input type="checkbox"/> Bedrock <input type="checkbox"/> Pit Depth
Profile: _____	Condition: _____		

Observation

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

Soil Classification: _____	Slope: _____	Limiting Factor: _____	<input type="checkbox"/> Ground Water <input type="checkbox"/> Restrictive Layer <input type="checkbox"/> Bedrock <input type="checkbox"/> Pit Depth
Profile: _____	Condition: _____		

Albert Frick
 Site Evaluator Signature

163
 SE

5/27/2005
 Date

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SLJBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Department of Human Services
 Division of Health Engineering, Station 10, SHS
 (207) 287-5672 FAX (207) 267-4172
 Owner's Name

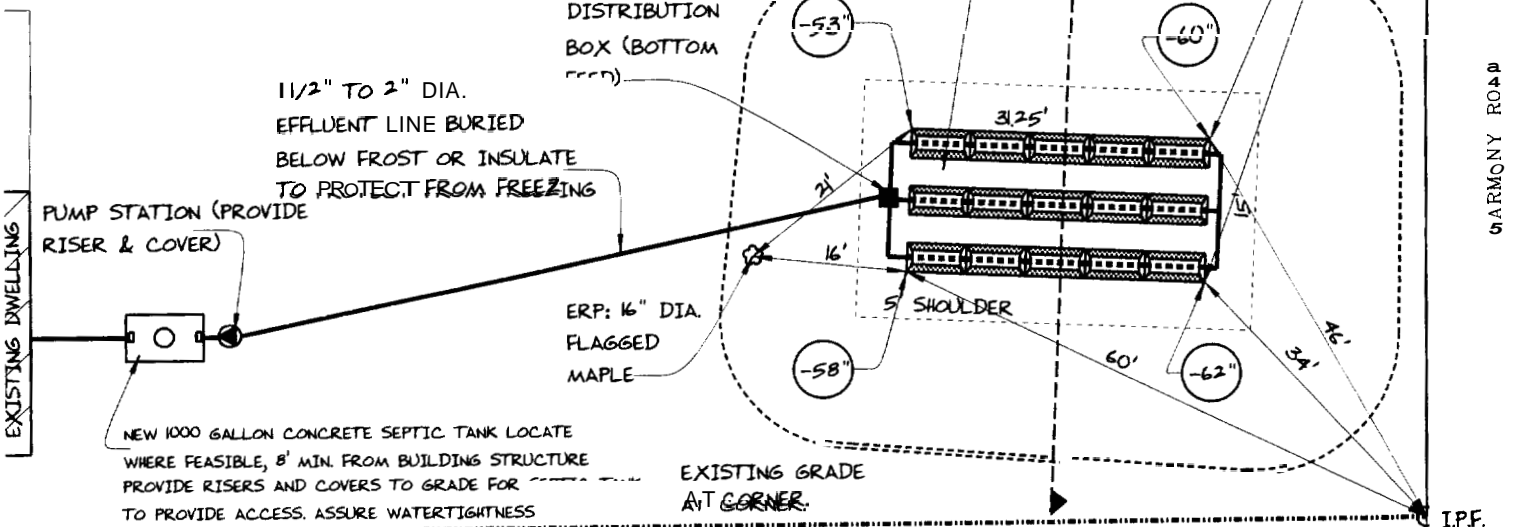
PORTLAND

41 BRAINTREE STREET

DAVID DURAS

ROTOTILL
 SODDED AREA UNDER DISPOSAL FIELD
 & FILL EXTENSIONS PRIOR TO FILL
 PLACEMENT, THEN TILL FIRST 6" LIFT
 OF FILL INTO EXISTING SOIL SURFACE
 TO PROMOTE MIXING

VERIFY WATER MAIN LOCATION
 TO ASSURE MIN. 10' SETBACK



FILL REQUIREMENTS

Depth of Fill (Upslope)

= 37" - 44" Finished Grade Elevation

Depth of Fill (Downslope)

= 42" - 46" Top of Proprietary Device
 Bottom of Disposal Area

DEPTHS AT CROSS SECTION (shown below)

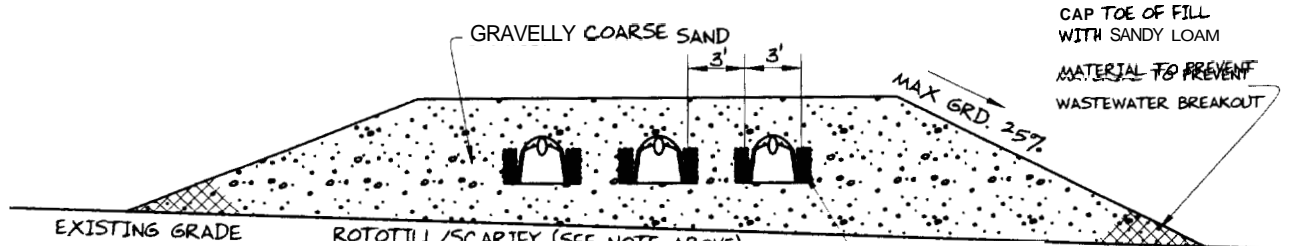
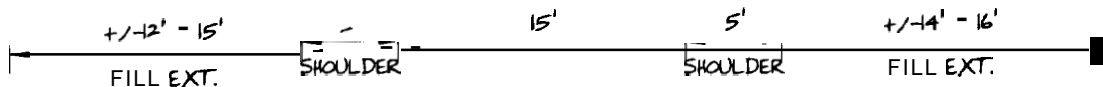
CONSTRUCTION ELEVATIONS

SEE
 DETAIL
 BELOW

ELEVATION REFERENCE POINT
 Location & Description: 54" ABOVE
 BASE OF 16" DIA. FLAGGED MAPLE
 Reference Elevation is: 0.0" or -----

DISPOSAL AREA CROSS SECTION

SCALE
 VERTICAL 1 - 5 FT
 HORIZONTAL 1 - 5 FT



DEPTH BELOW ERP

-16" CLEAN BACKFILL

-28"



Albert Frick
 Site Evaluator Signature

163
 SE -

5/27/2005
 Date

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 HHE-200 Rev. 10/02



Albert Frick Associates, Inc.
Soil Scientists & Site Evaluators

95A County Road Gorham, Maine 04038
(207) 839-5569

PORTLAND	41 BRAINTREE STREET	DAVID DUBOIS
TOWN	LOCATION	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 law 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 or Code Enforcement Officer 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 law 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. Well locations on abutting properties but not readily visible above grade should be confirmed by the owner/applicant prior to system installation to assure minimum setbacks.

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 shall 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 units) and controlled or hazardous substances shall not be disposed of in this system. Additives such as yeast or enzymes are discouraged, since they have not been proven to extend system life.

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 every three years. All septic tank, pump stations and additional treatment tanks shall be installed to prevent ground water and surface water infiltration.

PORTLAND TOWN	4 BRAINTREE STREET LOCATION	DAVID DUBOIS APPLICANT'S NAME
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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.) divided by the # 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 requirement. 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, by sealing/grouting all seams and connections, and by placement of a riser and lid at or above grade. An alarm device warning of a pump failure shall be installed. Also, when pumping is required of 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 before placing more fill (this ensures that voids and loose pockets are eliminated to minimize the chance of leakage or differential setting). Do not use wheeled equipment on the scarified soil area until after **12** inches of fill is in place. Keep equipment off proprietary devices. Divert the surface water away from the disposal area by ditching or shallow landscape 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. Alternatively, bark or permanent landscape mulch may be used to cover system, Woody trees or shrubs are not permitted on the disposal area or fill extensions.



Albert Prick Associates, Inc.
Soil Scientists & Site Evaluators
 95A County Road Gorham, Maine 04038
 (207) 839-5563

REPLACEMENT SYSTEM VARIANCE REQUEST

THE LIMITATIONS OF THE REPLACEMENT SYSTEM VARIANCE REQUEST

This form shall be attached to an application (HHE-200) for the proposed replacement system which requires a variance to the Rules. The LPI shall review the Replacement System Variance Request and HHE-200 and may approve the Request if all of the following requirements can be met, and the variance(s) requested fall within the limits of LPI's authority.

1. The proposed design meets the definition of a Replacement System as defined in the Rules (Sec. 2006)
2. There will be no change in use of the structure except as authorized for minor expansions outside the shoreland zone of major waterbodies/courses.
3. The replacement system is determined by the Site Evaluator and LPI to be the most practical method to treat and dispose of the wastewater.
4. The BOD5 plus S.S. content of the wastewater is no greater than that of normal domestic effluent.

GENERAL INFORMATION	Town of <u>Portland</u>
Permit No. _____	Date Permit Issued _____
Property Owner's Name: <u>David Dubois</u>	Tel. No.: <u>207-797-7296</u>
System's Location: <u>41 Braintree Street</u>	<u>Cell 632-3525</u>
Property Owner's Address: _____	
(if different from above) _____	

SPECIFIC INSTRUCTIONS TO THE: LOCAL PLUMBING INSPECTOR (LPI):

If any of the variances exceed your approval authority and/or do not meet all of the requirements listed under the Limitations Section above, then you are to send this Replacement System Variance Request, along with the Application, to the Department for review and approval consideration before issuing a Permit. (See reverse side for Comments Section and your signature.)

SITE EVALUATOR:

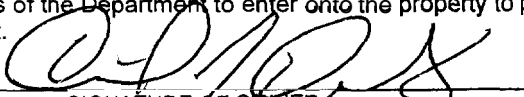
If after completing the Application, you find that a variance for the proposed replacement system is needed, complete the Replacement Variance Request with your signature on reverse side of form.

PROPERTY OWNER:

If it has been determined by the Site Evaluator that a variance to the Rules is required for the proposed replacement system. This variance request is due to physical limitations of the site and/or soil conditions. Both the Site Evaluator and the LPI have considered the site/soil restrictions and have concluded that a replacement system in total compliance with the Rules is not possible.

PROPERTY OWNER

I understand that the proposed system requires a variance to the Rules. Should the proposed system malfunction, I release all concerned provided they have performed their duties in a reasonable and proper manner, and I will promptly notify the Local Plumbing Inspector and make any corrections required by the Rules. By signing the variance request form, I acknowledge permission for representatives of the Department to enter onto the property to perform such duties as may be necessary to evaluate the variance request.


SIGNATURE OF OWNER

5/27/05
DATE

LOCAL PLUMBING INSPECTOR

I, MICHAEL UGENT, the undersigned, ~~representative of the Department~~ have determined to the best of my knowledge that it cannot be installed in compliance with the Rules. As a result of my review of the Replacement Variance Request, the Application, and my on-site investigation, I (check and complete either a or b):

a. (approve, disapprove) the variance request based on my authority to grant this variance. Note: If the LPI does not give his approval, he shall list his reasons for denial in **Comments** Section below and return to the applicant.

—OR—

b. find that one or more of the requested Variances exceeds my approval authority as LPI. I (recommend, do not recommend) the Department's approval of the variances. Note: If the LPI does not recommend the Department's approval, she shall state his reasons in **Comments** Section below as to why the proposed replacement system is not being recommended.

Comments:


LPI SIGNATURE

6/2/05
DATE

VARIANCE CATEGORY	LIMIT OF LPI'S APPROVAL AUTHORITY						VARIANCE REQUESTED TO:	
	Disposal Fields (total design flow)			Septic Tanks (total design flow)			Disposal Fields	Septic Tanks
From	Less than 1000 gpd	1000 to 2000 gpd	Over 2000 gpd	Less than 1000 gpd	1000 to 2000 gpd	Over 2000 gpd	To	To
SOILS								
Soil Profile	Ground Water Table			to 7"			9 inches	
Soil Condition	Restrictive Layer			to 7"			inches	
from HHE-200	Bedrock			to 12"			inches	
SETBACK DISTANCES (in feet)	Disposal Fields (total design flow)			Septic Tanks (total design flow)			Disposal Fields	Septic Tanks
Wells with water usage of 2000 or more gpd or public water supply wells	300 ft	300 ft	300 ft	100 ft	100 ft	100 ft		
Owner's wells	100 down to 60 ft [a]	200 down to 100 ft	300 down to 150 ft	100 down to 50 ft [b]	100 down to 50 ft	100 down to 50 ft		
Neighbor's wells	100 down to 60 ft [f]	200 down to 120 ft [f]	300 down to 180 ft [f]	100 down to 50 ft [f]	100 down to 75 ft [f]	100 down to 75 ft [f]		
Water supply line	10 ft	20 ft	25 ft [h]	10 ft	10 ft	10 ft [h]		
Water course, major - for replacements only, see Table 400.4 for major expansions	100 down to 60 ft [d]	200 down to 120 ft [d]	300 down to 180 ft [d]	100 down to 50 ft [b]	100 down to 50 ft	100 down to 50 ft		
Water course, minor	50 down to 25 ft [e]	100 down to 50 ft [e]	150 down to 75 ft [e]	50 down to 25 ft [e]	50 down to 25 ft [e]	50 down to 25 ft [e]		
Drainage ditches	25 down to 12ft	50 down to 25 ft	75 down to 35 ft	25 down to 12 ft	25 down to 12 ft	25 down to 12ft		
Edge of till extension -- Coastal wetlands, special freshwater wetlands, great ponds, rivers, streams	25 ft [e]	25 ft [e]	25 ft [e]	25 ft [e]	25 ft [e]	25 ft [e]		
Slopes greater than 3:1	10 ft [g]	18 ft [g]	25 ft [g]	N/A	N/A	N/A		
No full basement [e.g. slab, frost wall, columns]	15 down to 7 ft	30 down to 15 ft	40 down to 20 ft	8 down to 5ft	14 down to 7ft	20 down to 10 ft		
Full basement [below grade foundation]	20 down to 10 ft	30 down to 15 ft	40 down to 20 ft	8 down to 5ft	14 down to 7ft	20 down to 10 ft		
Property lines	10 down to 5 ft [c]	18 down to 9 ft [c]	20 down to 10 ft [c]	10 down to 4 ft [c]	15 down to 7 ft [c]	20 down to 10 ft [c]		
Burial sites or graveyards, measured from the down toe of the fill extension	25 ft	25 ft	25 ft	25 ft	25 ft	25 ft		
3.								

Footnotes: [a.] Single-family well setbacks may be reduced as prescribed in Section 701.2.
[b.] This distance may be reduced to 25 feet, if the septic or holding tank is tested in the plumbing inspector's presence and shown to be watertight or of monolithic construction.
[c.] Additional setbacks may be needed to prevent fill material extensions from encroaching onto abutting property.
[d.] Additional setbacks may be required by local Shoreland zoning.
[e.] Natural Resource Protection Act requires a 25 feet setback, on slopes of less than 20%, from the edge of soil disturbance and 100 feet on slopes greater than 20%. See Chapter 15.
[f.] May not be any closer to neighbors well than the existing disposal field or septic tank unless written permission is granted by the neighbor. This setback may be reduced for single family houses with Department approval. See Section 702.3.
[g.] The fill extension shall reach the existing ground before the 3:1 slope or within 100 feet of the disposal field.
[h.] See Section 1402.10 for special procedures when these minimum setbacks cannot be achieved.

Albert Truck

SITE EVALUATOR'S SIGNATURE

5/27/2005

DATE

FOR USE BY THE DEPARTMENT ONLY

The Department has reviewed the variance(s) and () does () does not give its approval. Any additional requirements, recommendations, or reasons for the Variance denial, are given in the attached letter.

SIGNATURE OF THE DEPARTMENT

DATE

REPLACEMENT SYSTEM VARIANCE REQUEST

THE LIMITATIONS OF THE REPLACEMENT SYSTEM VARIANCE REQUEST

This form shall be attached to an application (HHE-200) for the proposed replacement system which requires a variance to the Rules. The LPI shall review the Replacement System Variance Request and HHE-200 and may approve the Request if all of the following requirements can be met, and the variance(s) requested fall within the limits of LPI's authority.

1. The proposed design meets the definition of a Replacement System as defined in the Rules (Sec. 2006)
2. There will be no change in use of the structure except as authorized for minor expansions outside the shoreland zone of major waterbodies/courses.
3. The replacement system is determined by the Site Evaluator and LPI to be the most practical method to treat and dispose of the wastewater.
4. The BOD5 plus S.S. content of the wastewater is no greater than that of normal domestic effluent.

GENERAL INFORMATION	Town of <u>Portland</u>
Permit No. _____	Date Permit Issued _____
Property Owner's Name: <u>David Dubois</u>	Tel. No.: <u>207-797-7296</u>
System's Location: <u>41 Braintree Street</u>	<u>Cell 632-3525</u>
Property Owner's Address: _____	
(if different from above) _____	

SPECIFIC INSTRUCTIONS TO THE:

LOCAL PLUMBING INSPECTOR (LPI):

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SITE EVALUATOR:

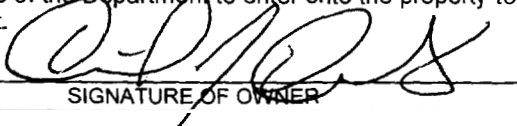
If after completing the Application, you find that a variance for the proposed replacement system is needed, complete the Replacement Variance Request with your signature on reverse side of form.

PROPERTY OWNER:

If has been determined by the Site Evaluator that a variance to the Rules is required for the proposed replacement system. This variance request is due to physical limitations of the site and/or soil conditions. Both the Site Evaluator and the LPI have considered the site/soil restrictions and have concluded that a replacement system in total compliance with the Rules is not possible.

PROPERTY OWNER

I understand that the proposed system requires a variance to the Rules. Should the proposed system malfunction, I release all concerned provided they have performed their duties in a reasonable and proper manner, and I will promptly notify the Local Plumbing Inspector and make any corrections required by the Rules. By signing the variance request form, I acknowledge permission for representatives of the Department to enter onto the property to perform such duties as may be necessary to evaluate the variance request.


SIGNATURE OF OWNER

5/27/05
DATE

LOCAL PLUMBING INSPECTOR

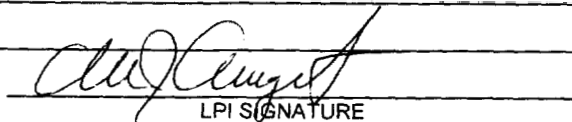
I, MICHAEL JOHNS, the undersigned, ~~representative of the Department~~ have determined to the best of my knowledge that it cannot be installed in Compliance with the Rules. As a result of my review of the Replacement Variance Request, the Application, and my on-site investigation, I (check **and** complete either **a** or **b**):

a. approve, disapprove) the variance request based on my authority to grant this variance. Note: If the LPI does not give his approval, he shall list his reasons for denial in Comments Section below and return to the applicant.

--OR--

b. find that one or more of the requested Variances exceeds my approval authority as LPI. I recommend, do not recommend) the Department's approval of the variances. Note: If the LPI does not recommend the Department's approval, she shall state his reasons in Comments Section below as to why the proposed replacement system is not being recommended.

Comments:

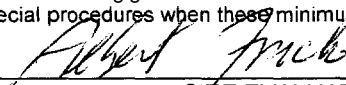

LPI SIGNATURE

6/2/05
DATE

Replacement System Variance Request

VARIANCE CATEGORY	LIMIT OF LPT'S APPROVAL AUTHORITY						VARIANCE REQUESTED TO:	
Soil Profile	Ground Water Table			to 7"			9	inches
Soil Condition	Restrictive Layer			to 7"				inches
from HHE-200	Bedrock			to 12"				inches
SETBACK DISTANCES (in feet)	Disposal Fields (total design flow)			Septic Tanks (total design flow)			Disposal Fields	Septic Tanks
From	Less than 1000 gpd	1000 to 2000 gpd	Over 2000 gpd	Less than 1000 gpd	1000 to 2000 gpd	Over 2000 gpd	To	To
Wells with water usage of 2000 or more gpd or public water supply wells	300 ft	300 ft	300 ft	100 ft	100 ft	100 ft		
Owner's wells	100 down to 60 ft [a]	200 down to 100 ft	300 down to 150 ft	100 down to 50 ft [b]	100 down to 50 ft	100 down to 50 ft		
Neighbor's wells	100 down to 60 ft [f]	200 down to 120 ft [f]	300 down to 180 ft [f]	100 down to 50 ft [f]	100 down to 75 ft [f]	100 down to 75 ft [f]		
Water supply line	10 ft	20 ft	25 ft [h]	10 ft	10 ft	10 ft [h]		
Water course, major - for replacements only, see Table 400.4 for major expansions	100 down to 60 ft [d]	200 down to 120 ft [d]	300 down to 180 ft [d]	100 down to 50 ft [b]	100 down to 50 ft	100 down to 50 ft		
Water course, minor	50 down to 25 ft [e]	100 down to 50 ft [e]	150 down to 75 ft [e]	50 down to 25 ft [e]	50 down to 25 ft [e]	50 down to 25 ft [e]		
Drainage ditches	25 down to 12 ft	50 down to 25 ft	75 down to 35 ft	25 down to 12 ft	25 down to 12 ft	25 down to 12 ft		
Edge of fill extension -- Coastal wetlands, special freshwater wetlands, great ponds, rivers, streams	25 ft [e]	25 ft [e]	25 ft [e]	25 ft [e]	25 ft [e]	25 ft [e]		
Slopes greater than 3:1	10 ft [g]	18 ft [g]	25 ft [g]	N/A	N/A	N/A		
No full basement [e.g. slab, frost wall, columns]	15 down to 7 ft	30 down to 15 ft	40 down to 20 ft	8 down to 5 ft	14 down to 7 ft	20 down to 10 ft		
Full basement [below grade foundation]	20 down to 10 ft	30 down to 15 ft	40 down to 20 ft	8 down to 5 ft	14 down to 7 ft	20 down to 10 ft		
Property lines	10 down to 5 ft [c]	18 down to 9 ft [c]	20 down to 10 ft [c]	10 down to 4 ft [c]	15 down to 7 ft [c]	20 down to 10 ft [c]		
Burial sites or graveyards, measured from the down toe of the fill extension	25 ft	25 ft	25 ft	25 ft	25 ft	25 ft		
OTHER								
1. Fill extension Grade - to 3:1								
3.								

- Footnotes: [a.] Single-family well setbacks may be reduced as prescribed in Section 701.2.
 [b.] This distance may be reduced to 25 feet, if the septic or holding tank is tested in the plumbing inspector's presence and shown to be watertight or of monolithic construction.
 [c.] Additional setbacks may be needed to prevent fill material extensions from encroaching onto abutting property.
 [d.] Additional setbacks may be required by local Shoreland zoning.
 [e.] Natural Resource Protection Act requires a 25 feet setback, on slopes of less than 20%, from the edge of soil disturbance and 100 feet on slopes greater than 20%. See Chapter 15.
 [f.] May not be any closer to neighbors well than the existing disposal field or septic tank unless written permission is granted by the neighbor. This setback may be reduced for single family houses with Department approval. See Section 702.3.
 [g.] The fill extension shall reach the existing ground before the 3:1 slope or within 100 feet of the disposal field.
 [h.] See Section 1402.10 for special procedures when these minimum setbacks cannot be achieved.


 SITE EVALUATOR'S SIGNATURE

5/27/2005
 DATE

FOR USE BY THE DEPARTMENT ONLY

The Department has reviewed the variance(s) and (- does does not) give its approval. Any additional requirements, recommendations, or reasons for the Variance denial, are given in the attached letter.

 SIGNATURE OF THE DEPARTMENT

 DATE