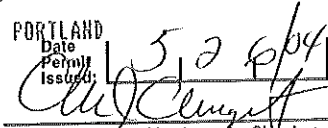
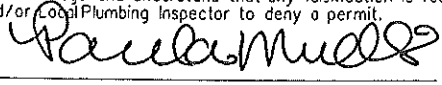


394-E-028

**SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION**

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

<b>PROPERTY LOCATION</b>		>> Caution: Permit Required - Attach In Space Below <<	
City, Town, or Plantation	PORTLAND	PORTLAND Date Permit Issued: <u>5/26/04</u>  Local Plumbing Inspector Signature	8916 TOWN COPY \$ <u>100.00</u> FEE <input type="checkbox"/> If Double Fee Charged L.P.I.# <u>0640</u>
Street or Road	19 JUNIPER STREET		
Subdivision, Lot *			
<b>OWNER/APPLICANT INFORMATION</b>			
Name (last, first, MI)	MUELLER PAULA	Owner Applicant	
Mailing Address of	C/O MEG COON COLDWELL BANKER 37 DEPOT ROAD FALMOUTH, ME 04105		
<input type="checkbox"/> Owner <input type="checkbox"/> Applicant			
Daytime Tel. *	831-2534		
		Municipal Tax Map *	Lot *

<p style="text-align: center;"><b>Owner or Applicant Statement</b></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> <u>5/4/04</u> Signature of Owner/Applicant Date</p>	<p style="text-align: center;"><b>Caution: Inspections Required</b></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 style="text-align: right;">(1st) Date Approved _____ (2nd) Date Approved _____</p> <p style="text-align: center;">Local Plumbing Inspector Signature</p>
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**PERMIT INFORMATION**

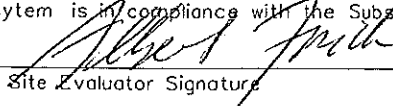
<p><b>TYPE OF APPLICATION</b></p> <p>1. <input type="checkbox"/> First Time System                  2. <input checked="" type="checkbox"/> Replacement System                  Type Replaced: _____                  Year Installed: _____</p> <p>3. <input type="checkbox"/> Expanded System                  a. <input type="checkbox"/> Minor Expansion                  b. <input type="checkbox"/> Major Expansion</p> <p>4. <input type="checkbox"/> Experimental System                  5. <input type="checkbox"/> Seasonal Conversion</p>	<p><b>THIS APPLICATION REQUIRES</b></p> <p>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 &amp; Local Plumbing Inspector Approval</p> <p>3. Replacement System Variance                  a. <input checked="" type="checkbox"/> Local Plumbing Inspector Approval                  b. <input type="checkbox"/> State &amp; Local Plumbing Inspector Approval</p> <p>4. <input type="checkbox"/> Minimum Lot Size Variance                  5. <input type="checkbox"/> Seasonal Conversion Approval</p>	<p><b>DISPOSAL SYSTEM COMPONENTS</b></p> <p>1. <input checked="" type="checkbox"/> Complete Non-Engineered System                  2. <input type="checkbox"/> Primitive System (graywater &amp; alt 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</p>
<p><b>SIZE OF PROPERTY</b></p> <p>7,900 SQ. FT. <input type="checkbox"/> sq. ft.  <input type="checkbox"/> acres</p>	<p><b>DISPOSAL SYSTEM TO SERVE</b></p> <p>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: _____</p> <p style="text-align: center;">SPECIFY</p> <p>Current Use <input type="checkbox"/> Seasonal <input checked="" type="checkbox"/> Year Round <input type="checkbox"/> Undeveloped</p>	<p><b>TYPE OF WATER SUPPLY</b></p> <p>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:</p>
<p><b>SHORELAND ZONING</b></p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>		

**DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)**

<p><b>TREATMENT TANK</b></p> <p>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</p>	<p><b>DISPOSAL FIELD TYPE &amp; SIZE</b></p> <p>1. <input checked="" type="checkbox"/> Stone Bed 2. <input type="checkbox"/> Stone Trench                  3. <input type="checkbox"/> Proprietary Device                  a. <input type="checkbox"/> Cluster array c. <input type="checkbox"/> Linear                  b. <input type="checkbox"/> Regular d. <input type="checkbox"/> H-20 loaded                  4. <input type="checkbox"/> Other: _____                  SIZE <u>900</u> <input checked="" type="checkbox"/> sq. ft. <input type="checkbox"/> lin. ft.</p>	<p><b>GARBAGE DISPOSAL UNIT</b></p> <p>1. <input checked="" type="checkbox"/> No 3. <input type="checkbox"/> Maybe                  2. <input type="checkbox"/> Yes &gt;&gt; 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 checked="" type="checkbox"/> Filter on tank outlet</p>	<p><b>DESIGN FLOW</b></p> <p><u>270</u> 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 -</p>
<p><b>SOIL DATA &amp; DESIGN CLASS</b></p> <p>PROFILE <u>3</u> / CONDITION <u>A/C</u> / DESIGN <u>1</u></p> <p>AT Observation Hole * <u>TP 2</u>                  Depth <u>37</u> "                  OF MOST LIMITING SOIL FACTOR</p>	<p><b>DISPOSAL FIELD SIZING</b></p> <p>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</p>	<p><b>PUMPING</b></p> <p>1. <input type="checkbox"/> Not required                  2. <input checked="" type="checkbox"/> May be required                  3. <input type="checkbox"/> Required &gt;&gt; Specify only for engineered or experimental systems:</p> <p>DOSE: _____ Gallons</p>	<p><b>3 BEDROOMS AT 90 GALLONS PER DAY EACH</b></p> <p>3. <input type="checkbox"/> Section 503.0 (meter readings)                  ATTACH WATER-METER DATA</p>

**SITE EVALUATOR STATEMENT**

I certify that on 3/2/04 (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).

 163 3/26/2004  
 Site Evaluator Signature SE # Date

# SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

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

Town, City, Plantation <b>PORTLAND</b>	Street, Road Subdivision <b>19 JUNIPER STREET</b>	Owner's Name <b>PAULA MUELLER</b>
SITE PLAN <span style="float:right;">Scale 1" = <u>50</u> Ft. or as shown</span>		SITE LOCATION PLAN (Attach Map from Maine Atlas for New System Variance)
<p>***** VERIFY WATERMAIN LOCATION TO ASSURE MIN. 10' SETBACK *****</p>		
JUNIPER STREET → TO SUMMIT STREET		

NOTE: VERIFY ALL WATERLINES ON PROPERTY PRIOR TO INSTALLATION, RELOCATE AS NEEDED 10' FROM PROPOSED DISPOSAL AREA

## 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	
	STONEY		BROWN	
	SANDY			
	LOAM			
10		FRIABLE	DARK	
			YELLOW	
			BROWN	
20				
30	STONEY			
	LOAMY			
	SAND			FEW, FAINT
40				
	BEDROCK			
50				

Soil Classification <b>3</b> Profile	Slope A/C Condition	Limiting Factor <b>42"</b>	<input type="checkbox"/> Ground Water <input type="checkbox"/> Restrictive Layer <input checked="" type="checkbox"/> Bedrock <input type="checkbox"/> Pit Depth
---	------------------------	-------------------------------	--

Observation Hole TP 2  Test Pit  Boring  
 " Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (inches)	Texture	Consistency	Color	Mottling
0			DARK	
	SANDY		BROWN	
	LOAM	FROZEN		
10			YELLOW	
			BROWN	
20	STONEY	FRIABLE		
	SANDY			
	LOAM			
30	GRAVELLY		DARK	
	LOAMY SAND		YELLOW	
	& SAND		BROWN	
40		SOMEWHAT FIRM		
50				

Soil Classification <b>3</b> Profile	Slope C Condition	Limiting Factor <b>37"</b>	<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

163  
 SE \*

*3/26/2004*  
 Date

# SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

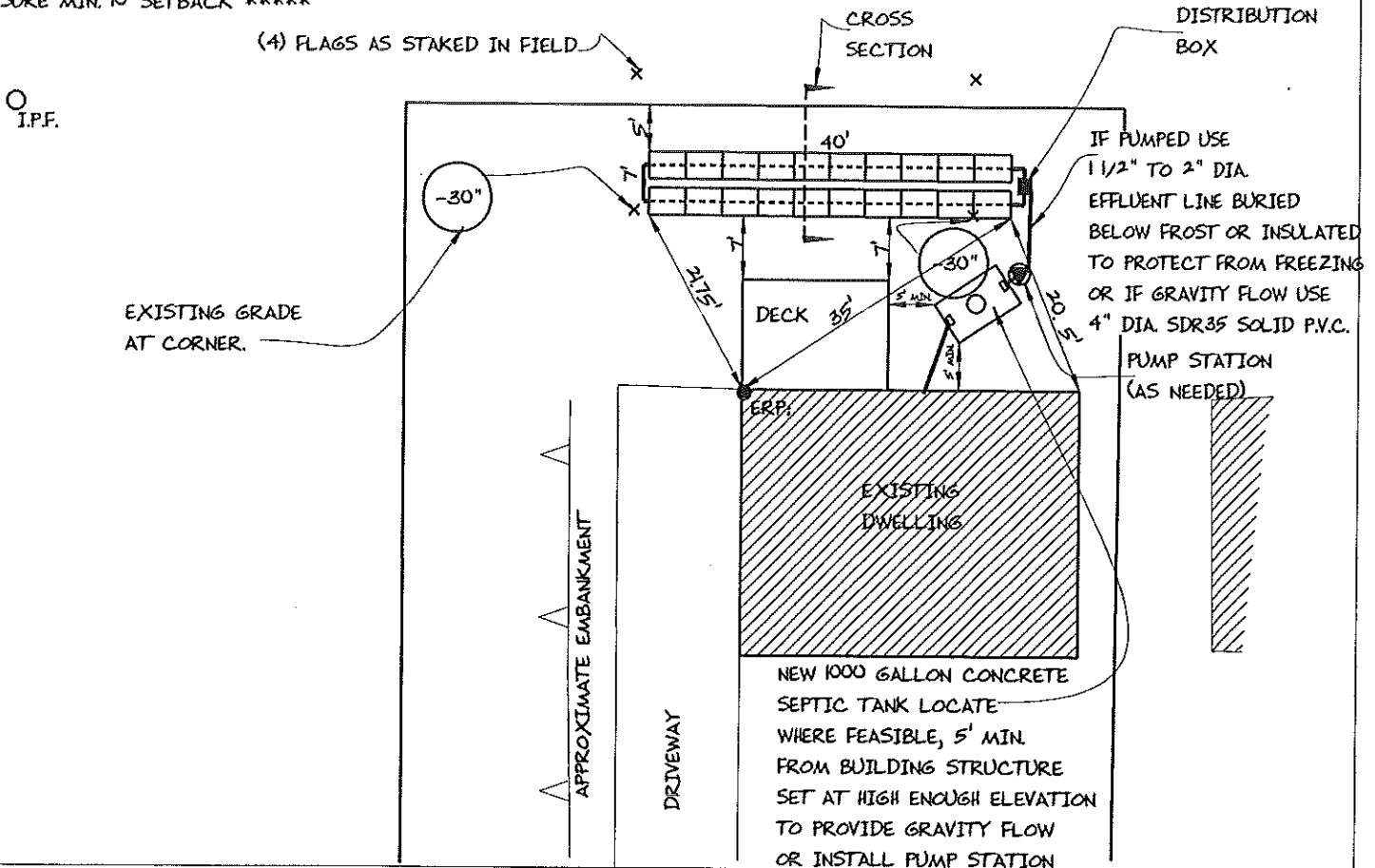
Maine Department of Human Services  
 Division of Health Engineering, Station 10 SHS  
 (207) 287-5672 FAX (207) 287-4172

Town, City, Plantation <b>PORTLAND</b>	Street, Road, Subdivision <b>19 JUNIPER STREET</b>	Owner's Name <b>PAULA MUELLER</b>
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\*\*\*\*\* VERIFY WATERMAIN LOCATION  
 TO ASSURE MIN. 10' SETBACK \*\*\*\*\*

## SUBSURFACE WASTEWATER DISPOSAL PLAN

SCALE 1" = 20 FT.



### FILL REQUIREMENTS

Depth of Fill (Upslope) : 0"  
 Depth of Fill (Downslope) : 0"  
 DEPTHS AT CROSS-SECTION (shown below)

### CONSTRUCTION ELEVATIONS

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

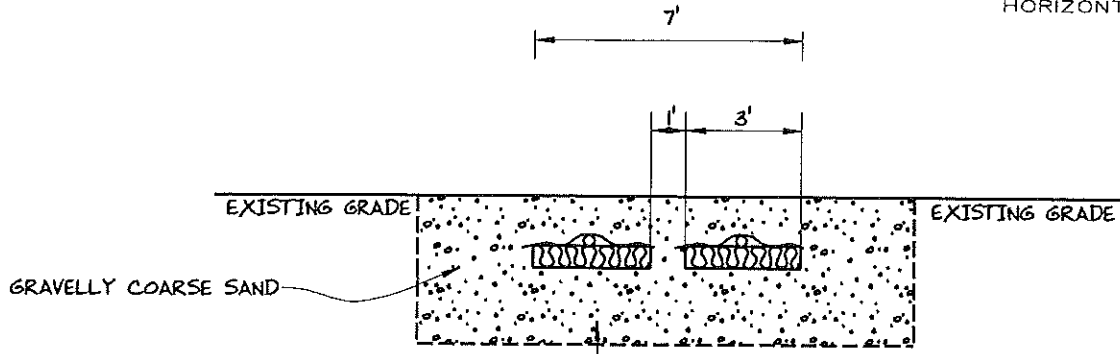
SEE  
 DETAIL  
 BELOW

### ELEVATION REFERENCE POINT

Location & Description BOTTOM OF SIDING, 21" ABOVE GRADE  
 Reference Elevation is: 0.0" or -----

### DISPOSAL AREA CROSS SECTION

SCALE:  
 VERTICAL: 1" = 5 FT  
 HORIZONTAL: 1" = 5 FT



	DEPTH BELOW ERP
FINISHED GRADE	-30"
CLEAN FILL	-42"
GEOTEXTILE FABRIC	-46"
4" DIA. PERF. PIPE	-53"
ELJEN IN-DRAIN UNIT	-77"
GRAVELLY COARSE SAND	-77"

REMOVE ALL PORTIONS OF EXISTING DISPOSAL AREA TO A DEPTH OF 2' BENEATH AND 3' AROUND PROPOSED DISPOSAL AREA AND REPLACE WITH CLEAN GRAVELLY COARSE SAND, FILL

*Albert Frick*  
 Site Evaluator Signature

163  
 SE #

3/26/2004  
 Date

Page 3 of 3  
 HHE-200 Rev. 10/02



**Albert Frick Associates, Inc.**

**Soil Scientists & Site Evaluators**

95A County Road Gorham, Maine 04038  
(207) 839-5563

PORTLAND	19 JUNIPER STREET	PAULA MUELLER
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 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

19 JUNIPER STREET

PAULA MUELLER

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 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.) 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. 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 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



**Albert Frick Associates, Inc.**  
Soil Scientists & Site Evaluators

95A County Road Gorham, Maine 04038  
(207) 839-5563

2873165

2004-6009

### 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 an 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 one-time exempted 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.

<b>GENERAL INFORMATION</b>		Town of <u>Portland</u>
Permit No. _____		Date Permit Issued _____
Property Owner's Name: <u>Paula Mueller</u>		Tel. No.: <u>831-2534</u>
System's Location: <u>19 Juniper Street</u>		
Property Owner's Address: <u>c/o Meg Coon Coldwell Banker</u>		
(if different from above) <u>37 Depot Road</u>		
		<u>Falmouth, ME 04105</u>

**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 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.

Paula E Mueller 5/4/04  
SIGNATURE OF OWNER DATE

**LOCAL PLUMBING INSPECTOR**

I, MICHAEL NUGENT, the undersigned, have visited the above property and 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):

(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--

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, the reasons shall be stated in Comments Section below as to why the proposed replacement system is not being recommended.

Comments: \_\_\_\_\_

Michael Nugent 5/4/04  
LPI SIGNATURE

DEPT. OF BUILDING INSPECTION  
CITY OF PORTLAND, ME  
HHE-204 Rev 6/00

**MAY 11 2004**

RECEIVED

**FJ RMS**  
**Replacement System Variance Request**

VARIANCE CATEGORY	LIMIT OF LPI'S APPROVAL AUTHORITY						VARIANCE REQUESTED TO:	
	SOILS							
Soil Profile	Ground Water Table						to 7"	
Soil Condition	Restrictive Layer						to 7"	
from HHE-200	Bedrock						to 12"	
SETBACK DISTANCES (In feet)	Disposal Fields			Septic Tanks			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 [a]	300 ft [a]	300 ft [a]	100 ft [a]	100 ft [a]	100 ft [a]		
Owner's wells	100 down to 60 ft	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 [b]	200 down to 120 ft [b]	300 down to 180 ft [b]	100 down to 50 ft [b]	100 down to 75 ft [b]	100 down to 75 ft [b]		
Water supply line	10 ft [a]	20 ft [a]	25 ft [a]	10 ft [a]	10 ft [a]	10 ft [a]		
Water course, major - for replacements only, see Table 400.4 for major expansions	100 down to 60 ft	200 down to 120 ft	300 down to 180 ft	100 down to 50 ft	100 down to 50 ft	100 down to 50 ft		
Water course, minor	50 down to 25 ft	100 down to 50 ft	150 down to 75 ft	50 down to 25 ft	50 down to 25 ft	50 down to 25 ft		
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 [d]	25 ft [d]	25 ft [d]	25 ft [d]	25 ft [d]	25 ft [d]		
Slopes greater than 3:1	10 ft	18 ft	25 ft	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	7'	5'
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	19'	5'
Property lines	10 down to 5 ft [e]	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]	5'	
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		
<b>OTHER</b>								
1. Fill extension Grade - to 3:1								
2.								
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 Frick*  
 \_\_\_\_\_  
 SITE EVALUATOR'S SIGNATURE

3/26/2004  
 \_\_\_\_\_  
 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