

See Revised Plan

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 PEAKS ISLAND
 Street: 136 REAR REED AVENUE
 Subdivision Lot: 91-U-7
PROPERTY OWNER'S NAME
 Last: STANHOPE First: SUSAN
 Applicant's Home: JOANNE FIORE
 Mailing Address of Owner: c/o Port Island Realty
 PO 9341
 Fort Hook Maine 04112
 Daytime Tel: _____
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 of Owner/Applicant: *Joanne Fiore* Date: 10/12/99

PORTLAND Date: _____
 Permit Issued: 10 12 99 \$ 100.00 FEE Double Fee Charged
 Local Plumbing Inspector Signature: *B. Samuel Huffer* L.P.I. # 011214

THE WORK SPECIFIED IN THIS APPLICATION IS HEREBY AUTHORIZED TO BE INSTALLED IN ACCORDANCE WITH THE RULES. THIS PERMIT EXPIRES AFTER TWO YEARS FROM DATE ISSUED UNLESS WORK HAS COMMENCED.

Municipal Tax Map: _____
Caution: Inspection Required
 I have inspected the installation authorized above and found it to be in compliance with the Subsurface Wastewater Disposal Rules Application.
 Local Plumbing Inspector Signature: _____ Date Approved: _____

91-U-7

PERMIT INFORMATION

| | | |
|---|--|--|
| TYPE OF APPLICATION: 1. <input type="checkbox"/> First Time System 2. <input checked="" type="checkbox"/> Replacement System Type Replaced: _____ Year Installed: _____ 3. <input checked="" type="checkbox"/> Expanded System <input type="checkbox"/> a one time exempted <input type="checkbox"/> b non exempted 4. <input type="checkbox"/> Experimental System 5. <input type="checkbox"/> Seasonal Conversion | THIS APPLICATION REQUIRES: 1. <input type="checkbox"/> No Rule Variance 2. <input type="checkbox"/> New System Variance (Municipal-soil condition) 3. <input type="checkbox"/> First Time System Variance (State) 4. <input checked="" type="checkbox"/> Replacement System Variance <input type="checkbox"/> a. Local Plumbing Inspector approval <input type="checkbox"/> b. State & Local Plumbing Inspector approval 5. <input type="checkbox"/> Minimum Lot Size Variance 6. <input type="checkbox"/> Seasonal Conversion Approval | DISPOSAL SYSTEM COMPONENT(S) 1. <input checked="" type="checkbox"/> Non-Engineered System 2. <input type="checkbox"/> Primitive System (graywater & all toilet) 3. <input type="checkbox"/> Alternative Toilet _____ 4. <input type="checkbox"/> Non-Engineered Treatment Tank 5. <input type="checkbox"/> Holding Tank _____ Gallons 6. <input type="checkbox"/> Non-Engineered Disposal Area (only) 7. <input type="checkbox"/> Separated Laundry System 8. <input type="checkbox"/> Engineered System (>2000 gpd) 9. <input type="checkbox"/> Engineered Treatment Tank (only) 10. <input type="checkbox"/> Engineered Disposal Area (only) 11. <input type="checkbox"/> Pretreatment |
| SIZE OF PROPERTY 4,750 SQ. FT. | DISPOSAL SYSTEM TO SERVE: 1. <input checked="" type="checkbox"/> Single Family Dwelling Unit 2. <input type="checkbox"/> Multiple Family Dwelling: Number of Units _____ 3. <input type="checkbox"/> Other _____ | TYPE OF WATER SUPPLY SEASONAL WATER |
| SHORELAND ZONING <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3) | |

| | | | |
|---|--|---|--|
| TREATMENT TANK 1. <input checked="" type="checkbox"/> Concrete <input checked="" type="checkbox"/> a. Regular <input type="checkbox"/> b. Low Profile 2. <input type="checkbox"/> Plastic 3. <input type="checkbox"/> Other _____ SIZE: 1000 Gallons | DISPOSAL AREA TYPE / SIZE 1. <input type="checkbox"/> Red _____ Sq. Ft. 2. <input checked="" type="checkbox"/> Proprietary Device: 624 Sq. Ft. <input type="checkbox"/> Cluster <input checked="" type="checkbox"/> Linear <input checked="" type="checkbox"/> Regular <input type="checkbox"/> H-20 3. <input type="checkbox"/> Trench 4. <input type="checkbox"/> Other _____ 13 ELJEN IN-DRAINS | GARBAGE DISPOSAL UNIT 1. <input checked="" type="checkbox"/> No 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 checked="" type="checkbox"/> Filter on tank outlet | CRITERIA USED FOR DESIGN FLOW (Show Calculations) SINGLE FAMILY DWELLING 2 BEDROOMS 90 GPD/BEDROOM = |
| PROFILE & DESIGN CLASS PROFILE: 3 DESIGN: A/C DEPTH TO MOST LIMITING FACTOR: 20-28' | DISPOSAL AREA SIZING 1. <input type="checkbox"/> Small - 2.00 2. <input type="checkbox"/> Medium - 2.60 3. <input checked="" type="checkbox"/> Medium-Large - 3.30 4. <input type="checkbox"/> Large - 4.10 5. <input type="checkbox"/> Extra-Large - 5.00 | PUMPING 1. <input type="checkbox"/> Not required 2. <input checked="" type="checkbox"/> May be required 3. <input type="checkbox"/> Required DOSE: _____ Gallons | |

SITE EVALUATOR'S STATEMENT

On 8/10/99 (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

163 SE #

9/10/99 Date

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services
Division of Health Engineering

Town, City, Plantation
PORTLAND PEAKS ISLAND

Street, Road, Subdivision
REAR REED AVENUE

Owner's Name
SUSAN STANHOPE

SUBSURFACE WASTEWATER DISPOSAL PLAN

SCALE 1" = 20 FT.

PIT PRIVY

NEW 1000 GAL. CONCRETE SEPTIC TANK, PLACE WHERE FEASIBLE, 8' MIN. FROM DWELLING (SET TANK AT HIGH ENOUGH ELEVATION TO PROVIDE GRAVITY FLOW OR INSTALL PUMP)

EXISTING GRADE AT CORNER

EXISTING DWELLING LOCATION

APPROXIMATE TOE OF FILL (3:1 GRADE WHERE NEEDED)

DECK

ERP

-50"

-62"

APPROX. PROPERTY LINE (VERIFY TO ASSURE PROPER SETBACKS)
DISTRIBUTION BOX

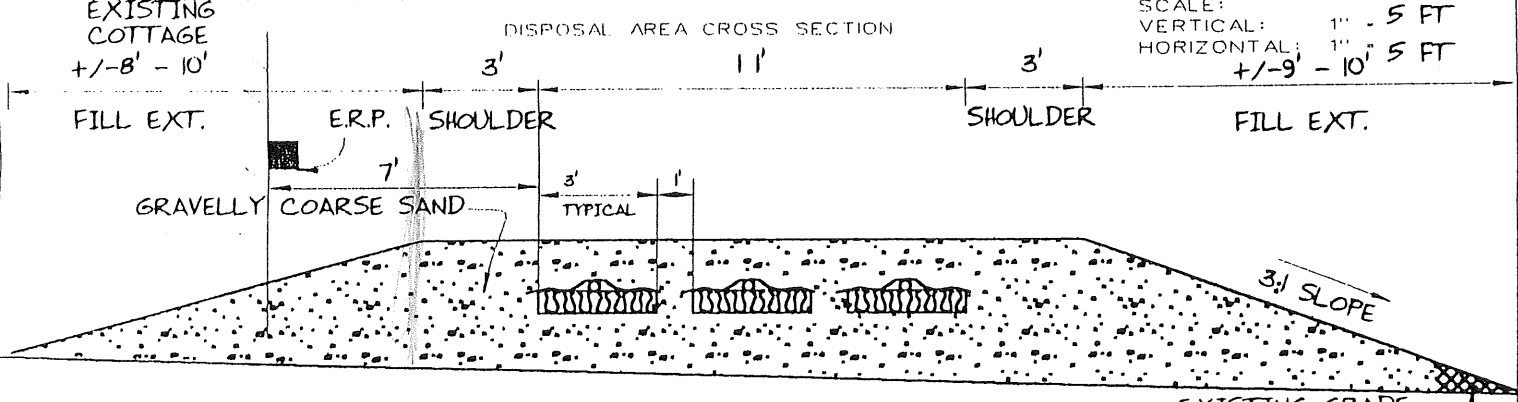
EXISTING STONEWALL (APPROXIMATE PROPERTY LINE)

4" DIA. SDR 35 SOLID P.V.C. IF GRAVITY (IF PUMPED USE 1 1/2" DIA. EFFLUENT LINE)

PROPOSED DISPOSAL AREA (13 ELJEN IN-DRAIN UNITS)

100' MIN TO DRILLED WELL

| FILL REQUIREMENTS | | CONSTRUCTION ELEVATIONS | | ELEVATION REFERENCE POINT | |
|---------------------------|-----------|--|------|---------------------------|---------------------------------|
| Depth of Fill (Upslope) | 29" - 41" | Finished Grade Elevation | -21" | Location & Description | BOTTOM OF ELECTRIC METER BOX |
| Depth of Fill (Downslope) | 33" - 45" | Top of Distribution Pipe or Proprietary Device | -33" | | 19" ABOVE BOTTOM OF SIDING, 57" |
| | | Bottom of Disposal Area | -50" | Reference Elevation | 00" ABOVE GRADE |



Albert J. Smith
Site Evaluator Signature

163
SE "

9/10/99
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 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. 1903)
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.

| | |
|---|--|
| GENERAL INFORMATION | Town of <u>PORTLAND (PEAKS ISLAND)</u> |
| Permit No. _____ | Date Permit Issued _____ |
| Property Owner's Name: <u>N/F STANHOPE (JOANNE FIDRE)</u> | Tel. No.: _____ |
| System's Location: <u>REAR REED AVENUE</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 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.

Joanne Fidre 12/12/98
SIGNATURE OF OWNER DATE

LOCAL PLUMBING INSPECTOR

I, _____, 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):

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 DATE

Replacement System Variance Request

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

OTHER

1. Fill extension Grade - to 3:1

2. _____

3. _____

Footnotes:

- a. This setback distance cannot be reduced by the LPI, but may be considered for reduction by State variance.
- b. Written Permission from the owner of a well is required when a replacement system will be located less than 100 (or 200 ft. for 1000-2000 gpd) feet and closer to that well than the system it is replacing.
- c. Sufficient distance shall be maintained to assure that the toe of the fill does not extend to the 3:1 slope or property line.
- d. Natural Resources Protection Act requires a 25 foot setback on slopes with less than 20% from the edge of disturbance and 100 feet on slopes greater than 20% except for the repair or installation of a replacement system when no practical alternative exists.

SITE EVALUATOR'S SIGNATURE

REVISED

9/10/99

9/9/99
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



Albert Frick Associates, Inc.

Soil Scientists & Site Evaluators

95A County Road Gorham, Maine 04038

(207) 839-5563

PORTLAND (PEAKS ISLAND)
TOWN

REAR REED AVE.
LOCATION

JOANNE FIORE
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) REAR REED AVE. JOANNE FIORE
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.



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

Replacement System Variance Request

| VARIANCE CATEGORY | VARIANCE REQUESTED | | LIMIT OF LPI'S APPROVAL AUTHORITY | | VARIANCE REQUESTED TO: | | |
|--|--------------------------------|---------------------------------|-----------------------------------|---------------------------------|------------------------|-----------------|--------------|
| SOILS | | | | | | | |
| Soil Profile | Ground Water Table | | to 7" | | inches | | |
| Soil Condition | Restrictive Layer | | to 7" | | inches | | |
| from HHE-200 | Bedrock | | to 12" | | inches | | |
| SETBACK DISTANCES (in feet) | | Disposal Fields | | Septic Tanks | | Disposal Fields | Septic Tanks |
| From | Less than 1000 gpd | 1000 to 2000 gpd | Less Than 1000 gpd | 1000 to 2000 gpd | To | To | |
| Wells with water usage of 2000 or more gpd | 300 ^a ft | 300 ft | 100 ^a ft | 100 ^a ft | | | |
| Owner's wells | 100 down to 50 ft | 200 down to 100 ft | 100 ^b down to 50 ft | 100 down to 50 ft | | | |
| Neighbor's wells | 100 ^b down to 60 ft | 200 ^b down to 120 ft | 100 ^b down to 50 ft | 100 ^b down to 75 ft | | | |
| Water supply line | 10 ft ^a | 20 ft ^a | 10 ft ^a | 10 ft ^a | | | |
| Water course, major - for replacements only, see Table 400.4 for exempted expansions | 100 down to 60 ft | 200 down to 120 ft | 100 down to 50 ft | 100 down to 50 ft | | | |
| Water course, minor | 50 down to 25 ft | 100 down to 50 ft | 50 down to 25 ft | 50 down to 25 ft | | | |
| Drainage ditches | 25 down to 12 ft | 50 down to 25 ft | 25 down to 12 ft | 25 down to 12 ft | | | |
| Coastal wetlands, special freshwater wetlands, great ponds, rivers, streams (edge of fill extension) | 25 ft ^d | 25 ft ^d | 25 ft ^d | 25 ft ^d | | | |
| Slopes greater than 3:1 | 10 ft | 18 ft | N/A | N/A | | | |
| No full basement [e.g. slab, frost wall, columns] | 15 down to 7 ft | 30 down to 15 ft | 8 down to 5 ft | 14 down to 7 ft | 7' | 5'± | |
| Full basement [below grade foundation] | 20 down to 10 ft | 30 down to 15 ft | 8 down to 5 ft | 14 down to 7 ft | | | |
| Property lines | 10 down to 5 ^c ft | 18 ft down to 9 ^c ft | 10 ft down to 4 ^c ft | 15 ft down to 7 ^c ft | 6' | | |
| Burial sites or graveyards, measured from the down toe of the fill extension | 25 ft | 25 ft | 25 ft | 25 ft | | | |

OTHER

1. Fill extension Grade - to 3:1

2.

3.

Footnotes:

- a. This setback distance cannot be reduced by the LPI, but may be considered for reduction by State variance.
- b. Written Permission from the owner of a well is required when a replacement system will be located less than 100 (or 200 ft. for 1000-2000 gpd) feet and closer to that well than the system it is replacing.
- c. Sufficient distance shall be maintained to assure that the toe of the fill does not extend to the 3:1 slope or property line.
- d. Natural Resources Protection Act requires a 25 foot setback on slopes with less than 20% from the edge of disturbance and 100 feet on slopes greater than 20% except for the repair or installation of a replacement system when no practical alternative exists.



 SITE EVALUATOR'S SIGNATURE REVISED 9/10/99 9/9/99 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

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 PEAKS ISLAND**

Street Subdivision Lot #: **REAR REED AVENUE**

PROPERTY OWNER'S NAME

Last: **STANHOPE** First: **SUSAN**

Applicant's Name: **JOANNE FIORE**

Mailing Address of Owner: _____

Daytime Tel. #: _____

Caution: Permit Required

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.

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 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

Local Plumbing Inspector Signature

Date Approved

PERMIT INFORMATION

TYPE OF APPLICATION:

- First Time System
- Replacement System
Type Replaced _____
Year Installed _____
- Expanded System
 - a. one time exempted
 - b. non exempted
- Experimental System
- Seasonal Conversion

THIS APPLICATION REQUIRES:

- No Rule Variance
- New System Variance (Municipal-soil condition)
- First Time System Variance (State)
- Replacement System Variance
 - a. Local Plumbing Inspector approval
 - b. State & Local Plumbing Inspector approval
- Minimum Lot Size Variance
- Seasonal Conversion Approval

DISPOSAL SYSTEM COMPONENT(S)

- Non-Engineered System
- Primitive System (graywater & all toilet)
- Alternative Toilet _____
- Non-Engineered Treatment Tank
- Holding Tank _____ Gallons
- Non-Engineered Disposal Area (only)
- Separated Laundry System
- Engineered System (+2000 gpd)
- Engineered Treatment Tank (only)
- Engineered Disposal Area (only)
- Pretreatment

SIZE OF PROPERTY

: **4,750 SQ. FT.**

DISPOSAL SYSTEM TO SERVE:

- Single Family Dwelling Unit
- Multiple Family Dwelling: Number of Units _____
- Other _____

TYPE OF WATER SUPPLY

SEASONAL WATER

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

TREATMENT TANK

- Concrete
 - a. Regular
 - b. Low Profile
- Plastic
- Other _____

SIZE **1000** Gallons

DISPOSAL AREA TYPE / SIZE

- Bed _____ Sq. Ft.
- Proprietary Device **624** Sq. Ft.
 - Cluster Linear
 - Regular H-20
- Trench
- Other _____

13 ELJEN IN-DRAINS

GARBAGE DISPOSAL UNIT

- No
- Yes
 - Multi-compartment tank
 - Tank in series
 - Increase in tank capacity
 - Filter on tank outlet

CRITERIA USED FOR DESIGN FLOW (Show Calculations)

**SINGLE FAMILY DWELLING
2 BEDROOMS
90 GPD/BEDROOM =**

DESIGN FLOW: **180**
(Gallons/Day)

PROFILE & DESIGN CLASS

| PROFILE | DESIGN |
|----------|------------|
| 3 | A/C |

DEPTH TO MOST LIMITING FACTOR **20-28'**

DISPOSAL AREA SIZING

- Small - 2.00
- Medium - 2.60
- Medium-Large - 3.30
- Large - 4.10
- Extra-Large - 5.00

PUMPING

- Not required
- May be required
- Required

DOSE _____ Gallons

SITE EVALUATOR'S STATEMENT

On **8/10/99** (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

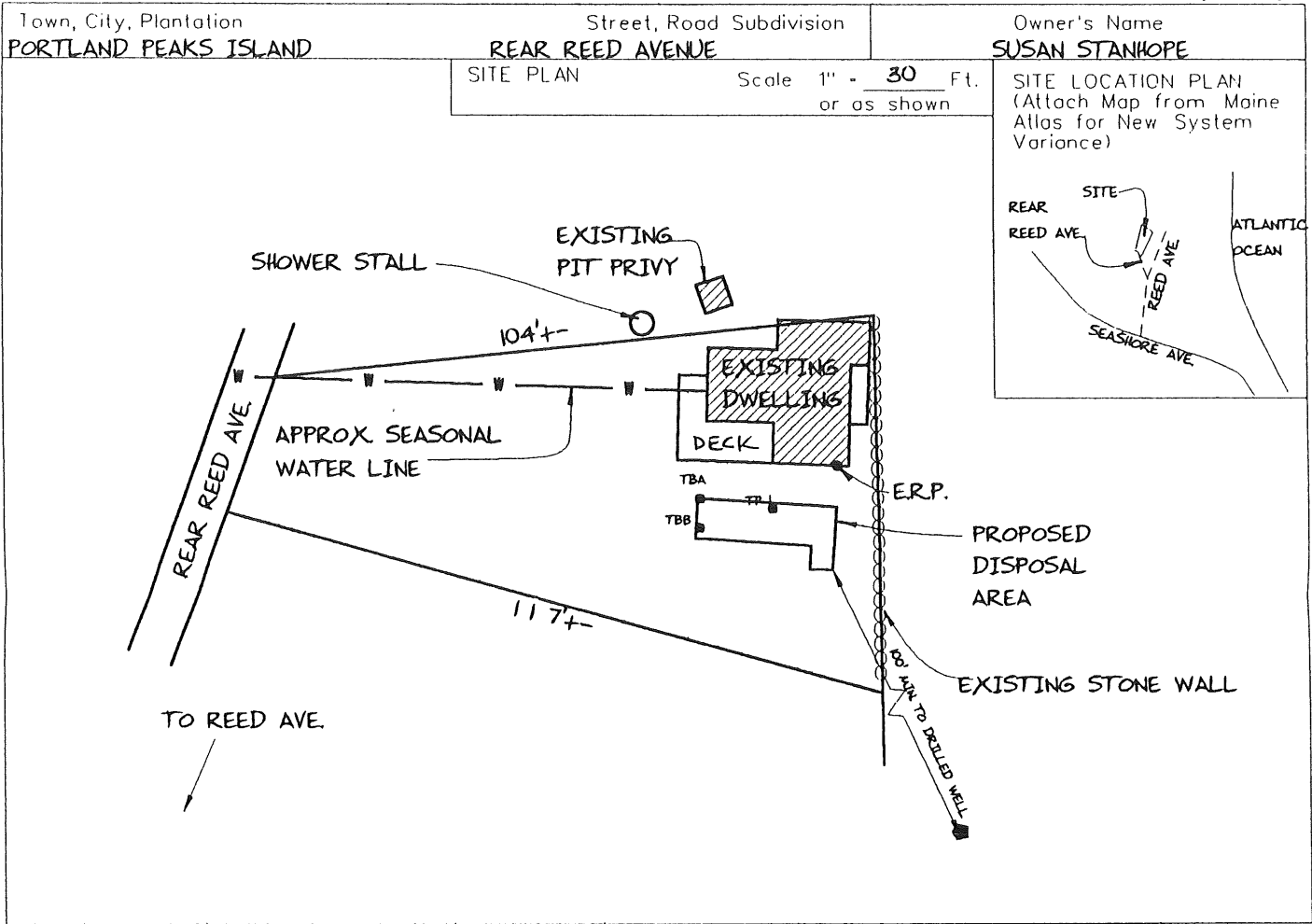
163
SE # _____

9/10/99
Date

REVISED 2/16/2000

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Division of Health Engineering



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 | |
| 0-10 | SANDY LOAM | FRIABLE | DARK YELLOW | |
| 10-20 | | | BROWN YELLOW | |
| 20-30 | LOAMY SAND | FIRM | BROWN OLIVE | COMMON |
| 30-32 | | | BROWN | DISTINCT |
| 32-50 | | | BEDROCK | |

| | | | | |
|--|---|-----------------|-------------------------------|--|
| Soil Classification 3 Profile | Soil Condition A/C Condition | Slope ____ % | Limiting Factor 28" | <input type="checkbox"/> Ground Water <input type="checkbox"/> Restrictive Layer <input checked="" type="checkbox"/> Bedrock <input type="checkbox"/> Pit Depth |
|--|---|-----------------|-------------------------------|--|

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 | | | | |
| 20-24 | | | | TBA = 24" TO BEDROCK |
| 24-30 | | | | TBB = 20" TO BEDROCK |
| 30 | | | | |
| 40 | | | | |
| 50 | | | | |

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

Albert Frick
 Site Evaluator Signature

163
 SE

9/10/99
 Date

ATTACHMENT TO SUBSURFACE WASTEWATER DISPOSAL APPLICATION

PORTLAND (PEAKS ISLAND) REAR REED AVE. JOANNE FIGRE
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.



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