

352-A-024

# 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  
 Street Subdivision Lot: 52 DOLE DRIVE

PORTLAND  
 Date Permit Issued: 7.1.98 \$ 95 TOWN COPY  
 Local Plumbing Inspector Signature: [Signature] \* P.I. # 0124  
 Double Fee Charged

### PROPERTY OWNER'S NAME

Last: ANDERSON First: DAVID  
 Applicant's Name: SEPT-VAC PUMPING  
 Mailing Address of Owner: 52 DOLE DR. PORTLAND, ME 04103  
 Daytime Tel.: 797-5755

Municipal Tax Map • \_\_\_\_\_ Lot • \_\_\_\_\_

### 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.

### Caution: Inspection Required

I have inspected the installation authorized above and found it to be in compliance with the Subsurface Wastewater Disposal Rules Application.

[Signature] 6/30/98  
 Signature of Owner/Applicant Date

[Signature] 7/24 2 July 98  
 Local Plumbing Inspector Signature Date Approved

### PERMIT INFORMATION

#### TYPE OF APPLICATION:

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

#### THIS APPLICATION REQUIRES:

- No Rule Variance
- First Time System Variance
  - a. Local Plumbing Inspector approval
  - b. State & Local Plumbing Inspector approval
- 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 & alt 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

APPROX. 13,500 S.F.

#### DISPOSAL SYSTEM TO SERVE:

- Single Family Dwelling Unit
- Multiple Family Dwelling: Number of Units \_\_\_\_\_
- Other \_\_\_\_\_

#### SHORELAND ZONING

Yes  No

#### TYPE OF WATER SUPPLY

PUBLIC

### 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 250 Sq. Ft.
  - Cluster  Linear
  - Regular  H-20
- Trench
- Other \_\_\_\_\_

#### 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)

3 BEDROOMS

#### PROFILE & DESIGN CLASS

PROFILE 5 DESIGN C  
 DEPTH TO MOST LIMITING FACTOR 47"

#### DISPOSAL AREA SIZING

- Small - 2.00
- Medium - 2.60
- Medium-Large - 3.30
- Large - 4.10
- Extra-Large - 5.20

#### PUMPING

- Not required
- May be required
- Required

DOSE \_\_\_\_\_ Gallons

DESIGN FLOW: 288  
 (Gallons/Day)

### SITE EVALUATOR'S STATEMENT

On 05/14/98 (date) I completed a site evaluation on this property and state that the data reported is accurate and that the proposed system is in compliance with the Subsurface Wastewater Disposal Rules.

[Signature]  
 Site Evaluator Signature

034  
 SE •

5-27-98  
 Date

RICHARD A. SWEET  
 Site Evaluator Name Printed

797-2110  
 Telephone

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

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Division of Health Engineering  
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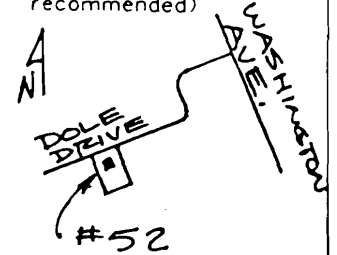
Town, City, Plantation  
**PORTLAND**

Street, Road Subdivision  
**52 DOLE DRIVE**  
SITE PLAN

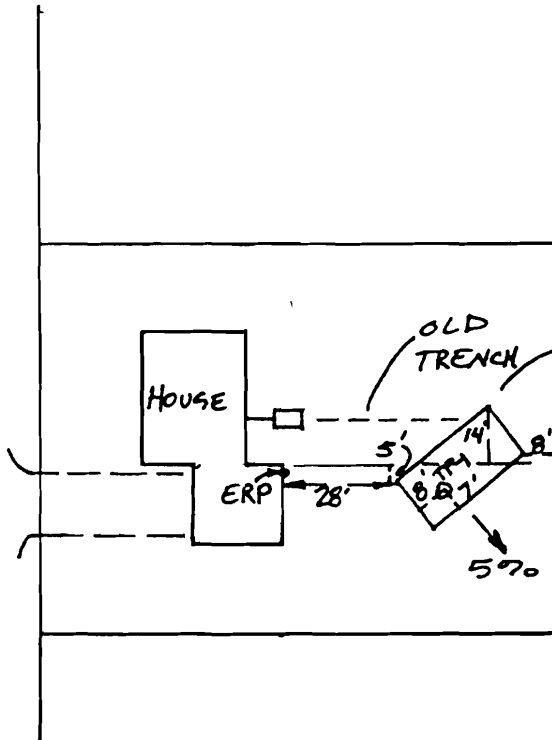
Owner's Name  
**DAVID ANDERSON**

Scale 1" = 50 Ft.  
or as shown

SITE LOCATION PLAN  
(Map from Maine Atlas recommended)



DOLE DRIVE



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				
10	LOAMY SAND		DK. BROWN	
20				
30	MED. SAND	LOOSE	RED	
40				
50				FEW

Soil Classification 5 C Slope \_\_\_\_\_ %  
Profile Condition Limiting Factor 42"  
 Ground Water  
 Restrictive Layer  
 Bedrock  
 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				
30				
40				
50				

Soil Classification \_\_\_\_\_ Slope \_\_\_\_\_ %  
Profile Condition Limiting Factor \_\_\_\_\_"  
 Ground Water  
 Restrictive Layer  
 Bedrock  
 Pit Depth

*Richard Sweet*  
Site Evaluator Signature

03A  
SE

5-27-98  
Date

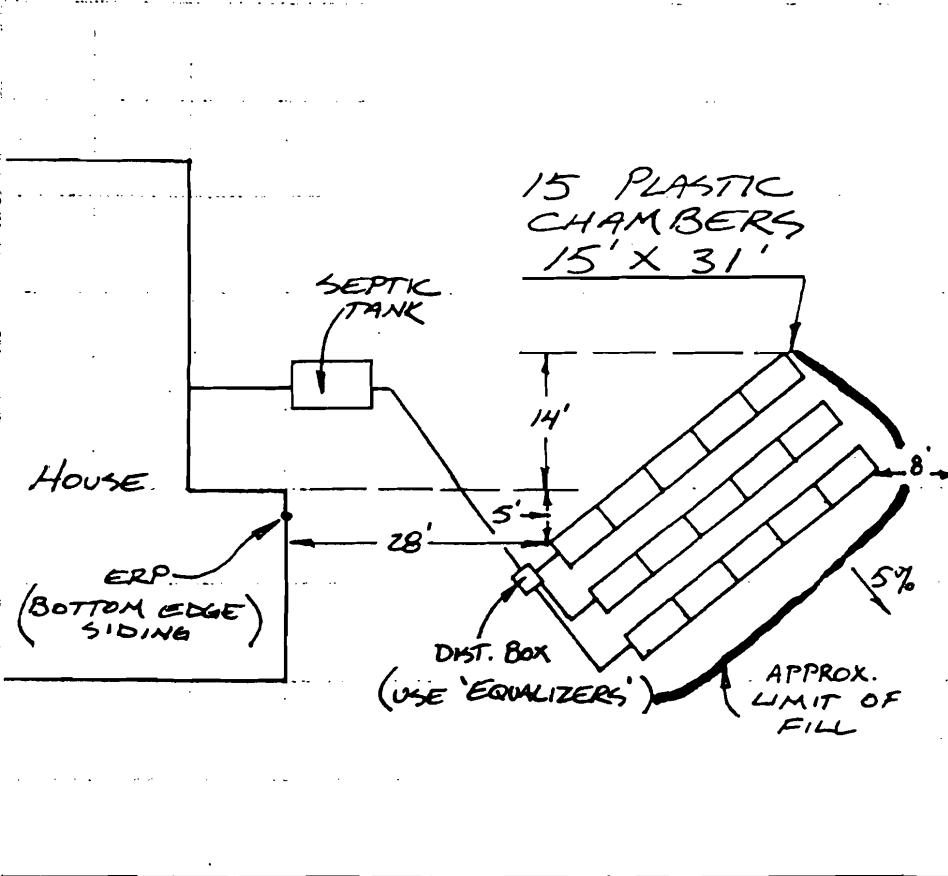
# SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services  
Division of Health Engineering

Town, City, Plantation <b>PORTLAND</b>	Street, Road, Subdivision <b>52 DOLE DRIVE</b>	Owners Name <b>DAVID ANDERSON</b>
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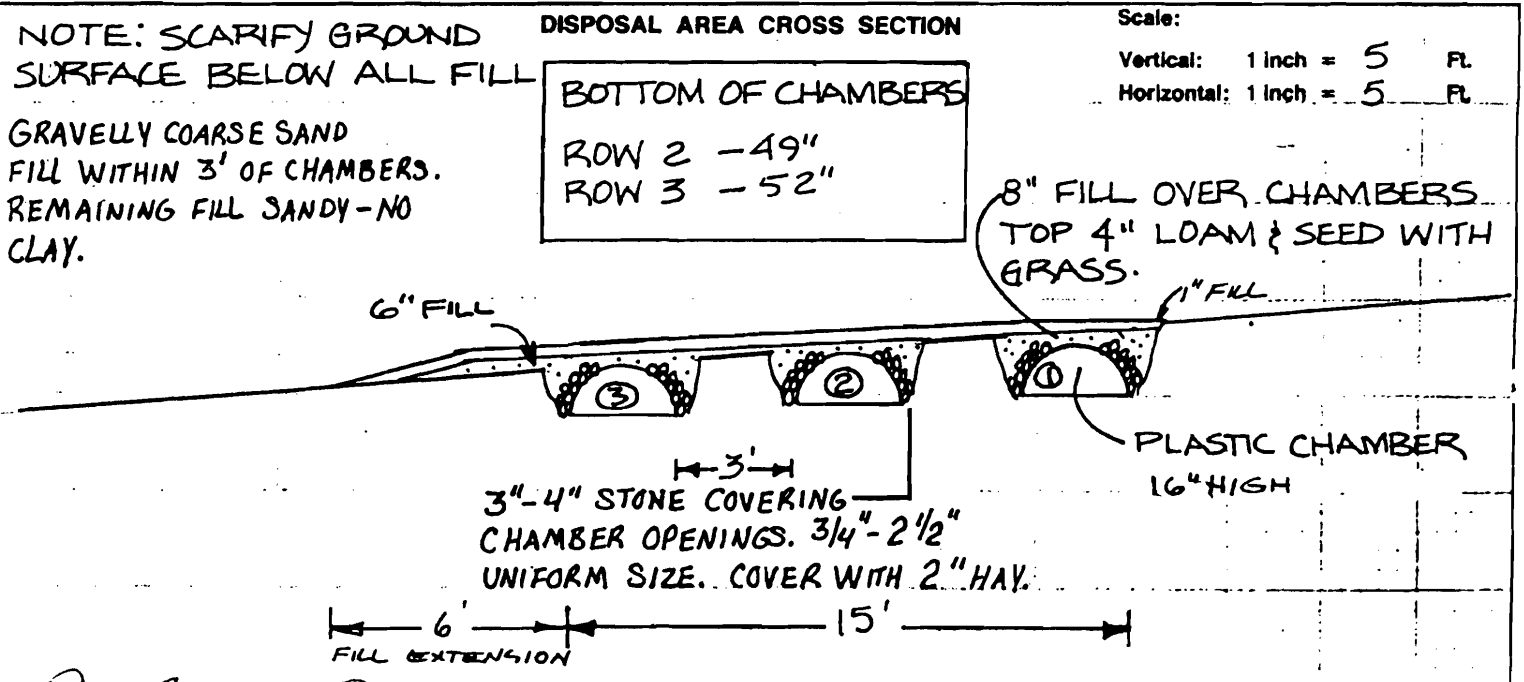
## SUBSURFACE WASTEWATER DISPOSAL PLAN

Scale 1" = 20' FL



*2 July 1998*  
*Checked ok*  
*Sam [Signature]*

FILL REQUIREMENTS	CONSTRUCTION ELEVATIONS	ELEVATION REFERENCE POINT	LOCATION & DESCRIPTION
Depth of Fill (Upslope)	1" Reference Elevation is	0	
Depth of Fill (Downslope)	6" Bottom of Disposal Area	ROW*1 -45"	BOTTOM EDGE OF SIDING
	Top of Distribution Lines or Chambers	-29"	



# 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 BOD<sub>5</sub> 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>DAVID ANDERSON</u>	Tel. No.: <u>797-5755</u>
System's Location: <u>52 DOLE DRIVE</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.

David Anderson  
SIGNATURE OF OWNER

6/30/98  
DATE

**LOCAL PLUMBING INSPECTOR**  
I, P.S. NOTTSEY, 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. (Disapprove,  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: Check with B. Goodwin PE City Sewer Div. OK For Private Hook-up To Far To Public Sewer.

P. Samuel  
LPI SIGNATURE

1 July 98  
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 from HHE-200	Restrictive Layer		to 7'		inches	
	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 <sup>a</sup> ft	300 ft	100 <sup>a</sup> ft	100 <sup>a</sup> ft		
Owner's wells	100 down to 50 ft	200 down to 100 ft	100 <sup>b</sup> down to 50 ft	100 down to 50 ft		
Neighbor's wells	100 <sup>b</sup> down to 60 ft	200 <sup>b</sup> down to 120 ft	100 <sup>b</sup> down to 50 ft	100 <sup>b</sup> down to 75 ft		
Water supply line	10 ft <sup>a</sup>	20 ft <sup>a</sup>	10 ft <sup>a</sup>	10 ft <sup>a</sup>		
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 <sup>d</sup>	25 ft <sup>d</sup>	25 ft <sup>d</sup>	25 ft <sup>d</sup>		
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		
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 <sup>c</sup> ft	18 ft down to 9 <sup>c</sup> ft	10 ft down to 4 <sup>c</sup> ft	15 ft down to 7 <sup>c</sup> ft	8'	
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.

*Richard Ormest*  
 \_\_\_\_\_  
 SITE EVALUATOR'S SIGNATURE

5-27-98  
 \_\_\_\_\_  
 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