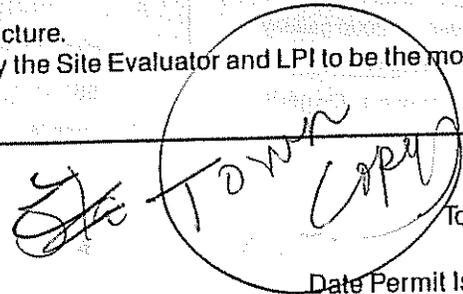


# REPLACEMENT SYSTEM VARIANCE REQUEST

## THE LIMITATIONS OF THE REPLACEMENT SYSTEM VARIANCE REQUEST

This form shall be attached to an application for the proposed replacement system which does not comply with the Rules. The LPI shall review the Replacement System Variance Request and Application 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 from the rules.
2. A system cannot be designed and installed in total compliance with the Rules.
3. The design flow is less than 500 GPD.
4. There will be no change in use of the structure.
5. The replacement system is determined by the Site Evaluator and LPI to be the most practical method to treat and dispose of the wastewater.



### GENERAL INFORMATION

Permit No. 3472  
~~3742~~ E

Town of Augusta

Date Permit Issued 6/13/96  
MONTH/DAY/YEAR

Property Owner's Name: Ben Moore Tel. No. 623-5229

System's Location: Weeks Mills Rd at Mills Rd.  
STREET

Augusta Maine 04330  
TOWN ZIP

Property Owner's Address: RR 7, Box 1185  
STREET

(if different from above) Augusta Maine 04330  
TOWN STATE ZIP

### SPECIFIC INSTRUCTIONS TO THE:

#### 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, then complete the Replacement Variance Request with your signature on reverse side of form.

#### PROPERTY OWNER:

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.

The OWNER shall sign this statement. Therefore, having read both this Replacement Variance Request and the attached Application, I understand that the proposed system is not in total compliance with the Rules and hereby release all those concerned with this Variance, provided they have performed their duties in a reasonable and proper manner.

Ben Moore

PROPERTY OWNER'S SIGNATURE

6/12/96

DATE

VARIANCE CATEGORY	VARIANCE REQUESTED	LIMIT OF LPI'S APPROVAL AUTHORITY		VARIANCE REQUESTED TO:	
		TREATMENT TANK	DISPOSAL AREA	TREATMENT TANK	DISPOSAL AREA
SOILS Soil Profile Soil Condition from HHE-200	Ground Water Table		to 6"		inches
	Restrictive Layer		to 6"		inches
	Bedrock		to 10"		inches
SETBACK DISTANCES (IN FEET)	FROM:				
Potable Water Supplies	1. Well: > 2000 gal/day	100'	300'		
	2. Well: < 2000 gal/day				
	a. Neighbor's	50'	60'	55' min *	54' *
	b. Property Owner's	25'	50'	80' min	
	3. Water Supply Line	See note 'a'			
Waterbodies	1. Perennial	50' *	60'		
	2. Intermittent	15'	20'		
	3. Manmade drainage ditch	10'	15'		
Downhill Slope	Greater than 3:1 (33%)	5'	10'		
Buildings	1. With Basement	5'	10'		
	2. Without Basement	5'	10'		
Property Line		4'	5'		

\* 25' if certified watertight by LPI

**OTHER**

1. Fill extension Grade—to 3:1 on lower side only.
2. \* NOTE: the sewage disposal system proposed is as far or farther from the neighbors well as the old system. The well is newer than the existing sewage disposal system
3. Footnotes:

- a. This setback distance cannot be reduced by variance. See Table 6-2.
- b. Written Permission from the owner of a well is required when a replacement system will be located less than 100 feet but 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.

*Blouglas M Meservey*  
SITE EVALUATOR'S SIGNATURE

6-6-96  
DATE

**LPI STATEMENT**

I, *May R. Luber*, LPI for the Town of *Angusta* have conducted an on-site inspection for the proposed replacement system and have determined to the best of my knowledge, that it cannot be installed in total compliance with the Rules, applicable Municipal Wastewater Disposal Ordinances, or the Local Shoreland Zoning Ordinance. As a result of my review of the Replacement System 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, he shall state his reasons in Comments Section below as to why the proposed replacement system is not being recommended.

Comments:

*May R. Luber*  
LPI'S SIGNATURE

6/13/96  
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

08244A

# SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services  
Division of Health Engineering  
(207) 287-5672 FAX (207) 287-4172

**PROPERTY LOCATION**

City or Location: Augusta

Street Subdivision Lot #: Weeks Mills Rd.

**PROPERTY OWNERS NAME**

Last: Moore First: Ben

Mailing Address of Owner: RR7, Box 1105  
Augusta, ME 04330

Daytime Tel. #: (207) 623-5229

REGISTRATION 3472 TOWN LUMP

Date Permit Issued: 6/13/96 \$ 180.00  If Double Fee Charged

Local Plumbing Inspector Signature: Ray R. Fuller L.P.I. # 8501

**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: Ben Moore Date: 6/12/96

**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: Ray R. Fuller Date Approved: 6/20/96

## PERMIT INFORMATION

**THIS APPLICATION IS FOR:**

- First Time System
- Multi-User System
- Replacement System
- Expanded System
  - One-time exempted
  - Non-exempted
- Experimental System
- Seasonal Conversion

**THIS APPLICATION REQUIRES:**

- No Rule Variance
- First Time System Variance (Municipal)
- First Time System Variance (State)
- Replacement System Variance
  - Local Plumbing Inspector approval
  - State & Local Plumbing Inspector approval
- Minimum Lot Size Variance
- Seasonal Conversion Variance

**DISPOSAL SYSTEM COMPONENT(S)**

- Non-Engineered System
- Primitive System
- Alternative Toilet  
Specify \_\_\_\_\_
- 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)

**SIZE OF PROPERTY**

38,000 ± sq. ft.

**DISPOSAL SYSTEM TO SERVE:**

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

**TYPE OF WATER SUPPLY**

Drilled well

**SHORELAND ZONING**

Yes  No

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

**TREATMENT TANK**

- Concrete
  - Regular
  - Low Profile
- Plastic

SIZE 1000 Gallons

**DISPOSAL AREA TYPE/SIZE**

- Stone Bed \_\_\_\_\_ Sq. Ft.
- Proprietary Device 16 units Sq. Ft.
  - Clustered  Linear
  - Regular  H-20
- Trench \_\_\_\_\_ Lin. Ft.
- 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)

2 bedroom home

DESIGN FLOW: 240  
(Gallons/Day)

**PROFILE & DESIGN CLASS**

PROFILE 2 DESIGN A/C

DEPTH TO MOST LIMITING FACTOR 24"

**DISPOSAL AREA SIZING**

- Small 2.0
- 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 5/20/96 (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.

Douglas W. Meservey  
Site Evaluator Signature  
DOUGLAS W. MESERVEY  
Print Name

13  
SE #  
(207) 832-5114  
Telephone

6-6-96  
Date

# SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services  
Division of Health Engineering

Town, City, Plantation

Augusta

Street, Road, Subdivision

Weeks Mills Rd.

Owners Name

Ben Moore

## TABLE OF MEASUREMENTS

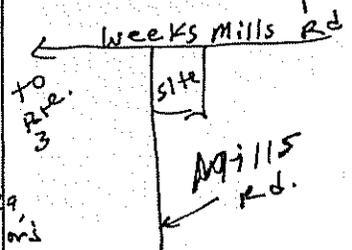
AC = 30' ±  
AD = 38' ±  
BC = 22½' ±  
BD = 39' ±

## SITE PLAN

Scale 1" = 50 Ft

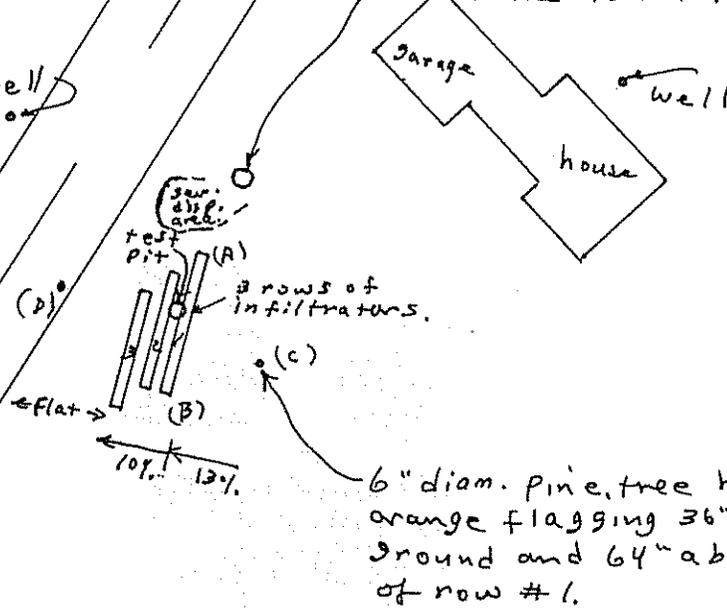
Weeks Mills Rd

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



Pump old tank & remove or fill with dirt. Place new tank in same area, at least as far from neighbors well as the old tank.

Neighbor's well (This well was drilled after the existing sewage disposal system was installed)



6" diam. pine tree has a notch & orange flagging 36" above the ground and 64" above the bottom of row #1.

## SOIL DESCRIPTION AND CLASSIFICATION

(Location of Observation Holes Shown Above)

Observation Hole 1 ±  Test Pit  Boring  
" Depth of Organic Horizon Above Mineral Soil

Observation Hole \_\_\_\_\_  Test Pit  Boring  
" Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (Inches)	Texture	Consistency	Color	Mottling
0			dark brown	
0-6	fine		orange-brown	
6-15	sandy	friable	yellow	
15-20				
20-30	loam		brown	few faint
30-35		Bedrock		
35-40				
40-50				

DEPTH BELOW MINERAL SOIL SURFACE (Inches)	Texture	Consistency	Color	Mottling
0				
6				
10	NOTE: crowbar probes in the sewage disposal area revealed bedrock at least 24" below the mineral soil surface.			
15				
20				
30				
40				
50				

Soil Classification: 2 A/c Slope: 10% Limiting Factor: 24"  
 Ground Water  Restrictive Layer  Bedrock

Soil Classification: \_\_\_\_\_ Slope: \_\_\_\_\_% Limiting Factor: \_\_\_\_\_  
 Ground Water  Restrictive Layer  Bedrock

W Douglas M Meservey  
Site Evaluator Signature

13  
SE#

6-6-96  
Date

# SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Town, City, Plantation

Augusta

Street, Road, Subdivision

Weeks Mills Rd.

Department of Human Services

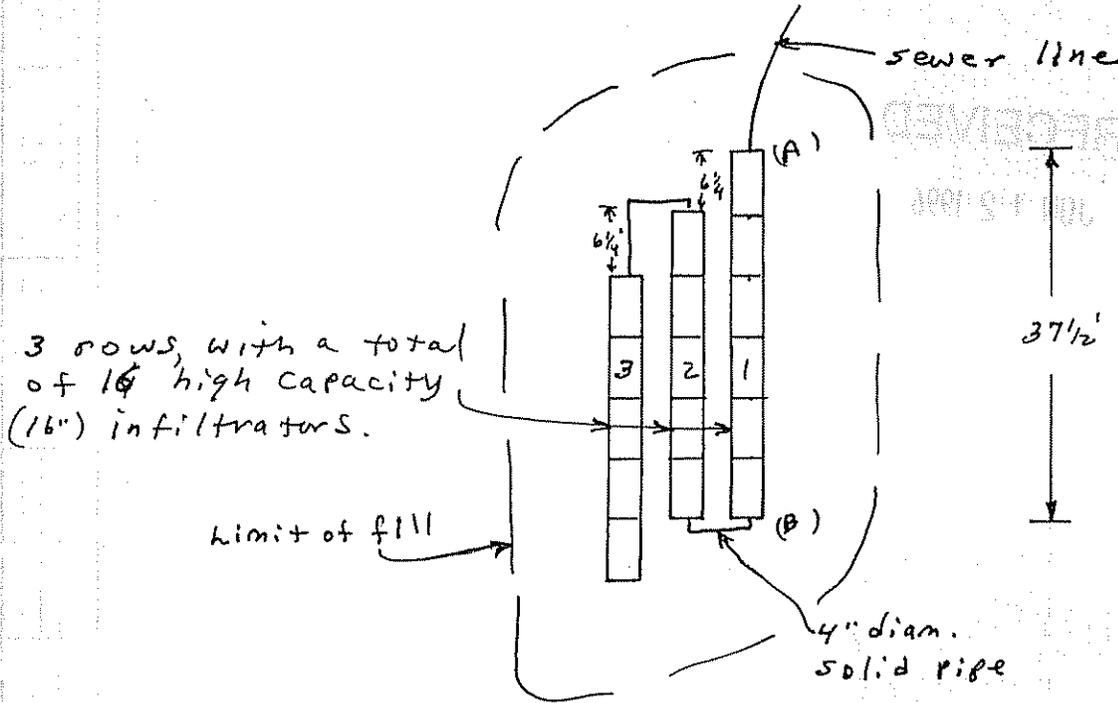
Division of Health Engineering

Owners Name

Ben Moore

## SUBSURFACE WASTEWATER DISPOSAL PLAN

Scale 1" = 20 Ft.



ROW #	1	2	3	4	5
Bottom of Infil.	-64"	-68"	-72"	X	X
Top of Infil.	-48"	-52"	-56"	X	X

### FILL REQUIREMENTS

Depth of Fill (Upslope) 24"  
 Depth of Fill (Downslope) 36"

### CONSTRUCTION ELEVATIONS

Reference Elevation is 0  
 Bottom of Disposal Area ---  
 Top of Distribution Lines or Chambers ---

ELEVATION REFERENCE POINT  
 LOCATION & DESCRIPTION  
 Notch in a pine tree  
 (pt. "C" in site plan)

Scale:

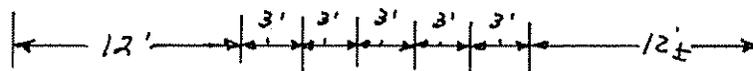
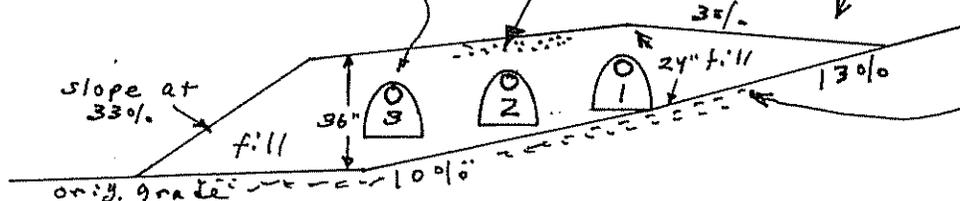
Vertical: 1 inch = 5 Ft.

Horizontal: 1 inch = 10 Ft.

### Notes:

- 1) Use Coarse Sand or Gravelly Coarse Sand fill (clean, free of debris).
- 2) Use ditch or fill upslope to divert surface water.
- 3) Bottom of infiltrators must be 12" (min.) above notching & 24" min. above bedrock.
- 4) Remove vegetation and scarify soil beneath disposal area; mix fill into top 4" (min.) of existing soil.
- 5) Seed and mulch finished grade; top 4" (min.) must be soil suitable for growing grass.

10" fill (min.)



Douglas W. Meservey  
 Site Evaluator Signature

13  
 SE#

6-6-96  
 Date