

m 3-492

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

CITY
Town of AUGUSTA

Permit No. 3507 E

Date Permit Issued 8/5/96
MONTH/DAY/YEAR

Property Owner's Name: GARDINER SAVINGS INST. Tel. No. 582 5550

System's Location: STEVENS ROAD
STREET
AUGUSTA TOWN Maine 04330 ZIP

Property Owner's Address: _____
(if different from above) STREET
_____ 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, they 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.

Bing Leland (LPI) 8/7/96
PROPERTY OWNER'S SIGNATURE DATE

VARIANCE CATEGORY	VARIANCE REQUESTED	LIMIT OF LPI'S APPROVAL AUTHORITY		VARIANCE REQUESTED TO:	
SOILS					
Soil Profile	Ground Water Table	to 6"		//	Inches
Soil Condition	Restrictive Layer	to 6"			Inches
from HHE-200	Bedrock	to 10"			Inches
SETBACK DISTANCES (IN FEET)	FROM:	TREATMENT TANK	DISPOSAL AREA	TREATMENT TANK	DISPOSAL AREA
Potable Water Supplies	1. Well: > 2000 gal/day	100'	300'		
	2. Well: < 2000 gal/day				
	a. Neighbor's	50' ^b	60' ^b		
	b. Property Owner's	25'	50'		
	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' ^c	10' ^c		
Buildings	1. With Basement	5'	10'		
	2. Without Basement	5'	10'		
Property Line		4'	5'		

OTHER

1. Fill extension Grade—to 3:1
- 2.
- 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.

Tony Colans

 SITE EVALUATOR'S SIGNATURE

5/20/96

 DATE

LPI STATEMENT

I, Richard Doherty, LPI for the Town of Acushnet 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: _____

Richard Doherty

 LPI'S SIGNATURE

8/5/96

 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

M3 L92

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

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

5096-C

PROPERTY LOCATION	
Town or Plantation	AUGUSTA
Street	STEVENS RD
Subdivision Lot #	
PROPERTY OWNERS NAME	
Last:	GARDINER SAVINGS INST.
First:	
Mailing Address of Owner	WATER STREET Gardiner, Maine
Daytime Tel. #	582-5550

AUGUSTA	3507	TOWN COPY
Date Permit Issued:	5/5/96	\$ <u>80</u> FEE <input type="checkbox"/> If Double Fee Charged
Local Plumbing Inspector Signature: <u>[Signature]</u>		L.P.I. # <u>872</u>

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] 8/2/96
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.

[Signature] 8-9-96
Local Plumbing Inspector Signature Date Approved

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
1/2 AC.

SHORELAND ZONING
 Yes No

DISPOSAL SYSTEM TO SERVE:

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

TYPE OF WATER SUPPLY
CITY WATER

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 540 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)

3 BED ROOM

DESIGN FLOW: 270
(Gallons/Day)

PROFILE & DESIGN CLASS

PROFILE	DESIGN
<u>7</u>	<u>D</u>

DEPTH TO MOST LIMITING FACTOR 11

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

5/14/96 (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.

[Signature]
Site Evaluator Signature
TERRY ADAMS
Print Name

132
SE #
582-1642
Telephone

5/20/96
Date

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services
Division of Health Engineering

Town, City, Plantation

AUGUSTA

Street, Road, Subdivision

STEVENS RD

Owners Name

GARDINER SAVINGS INST.

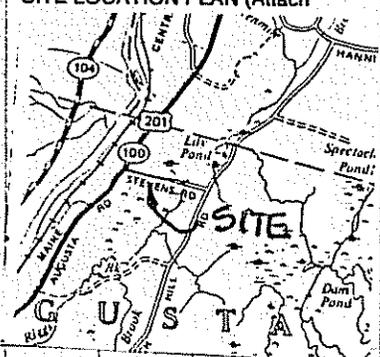
**SITE PLAN
EXISTING BED**

Scale 1" = 40 Ft.

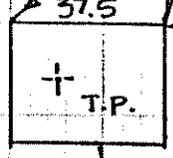
SITE LOCATION PLAN (Attach

EXISTING TANK

HOUSE



ACCESS



E.R.P. BOTTOM OF SIDING

STEVENS ROAD

SOIL DESCRIPTION AND CLASSIFICATION

(Location of Observation Holes Shown Above)

Observation Hole Test Pit Boring

Observation Hole Test Pit Boring

" Depth of Organic Horizon Above Mineral Soil

" Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (inches)	Texture	Consistency	Color	Mottling
0	LOAMY SAND	FRIABLE	BROWN	
6	COURSE LOAMY SAND		YELLOW BROWN	
10	GRAVEL		DARK GRAY	
15	FILL			NONE
20				
30		RECUA		
40				
50				

DEPTH BELOW MINERAL SOIL SURFACE (inches)	Texture	Consistency	Color	Mottling
0	SANDY LOAM		BROWN	
6				
10				
15			REDDISH BROWN	EVIDENT
20	SILT LOAM	VERY FIRM	OLIVE	
30				
40				
50				

Soil Profile 12	Classification Condition C	Slope 4%	Limiting Factor 30'	<input type="checkbox"/> Ground Water
				<input checked="" type="checkbox"/> Restrictive Layer
				<input type="checkbox"/> Bedrock

Soil Profile 7	Classification Condition D	Slope 4%	Limiting Factor 11'	<input checked="" type="checkbox"/> Ground Water
				<input type="checkbox"/> Restrictive Layer
				<input type="checkbox"/> Bedrock

Teeny Coleman
Site Evaluator Signature

132
SE#

5/20/96
Date

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services
Division of Health Engineering

Town, City, Plantation

Street, Road, Subdivision

Owners Name

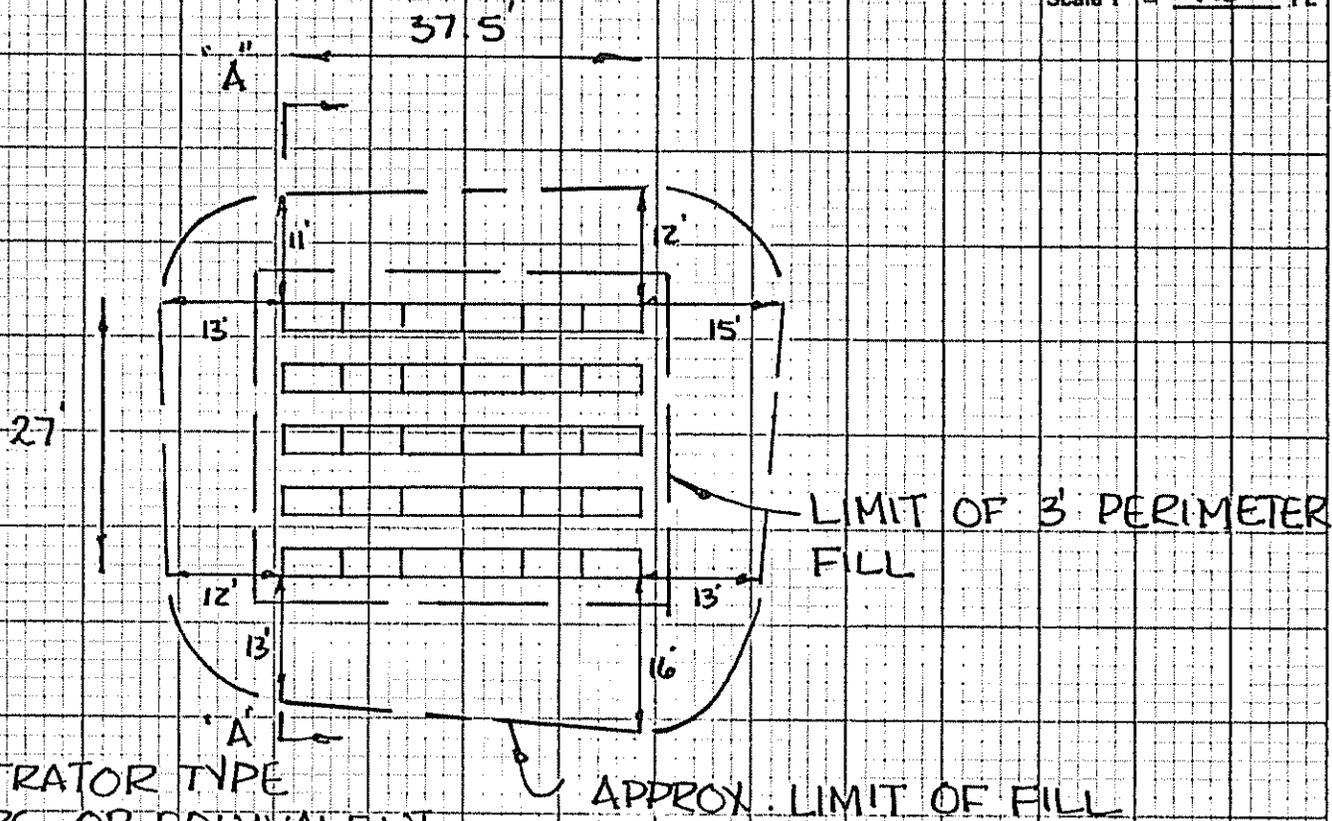
AUGUSTA

STEVENS ROAD

GARDINER SAVINGS INST.

SUBSURFACE WASTEWATER DISPOSAL PLAN

Scale 1" = 20' FL



30 INFILTRATOR TYPE CHAMBERS OR EQUIVALENT ... SERIES.

NOTE: SEE NOTES FROM THE SITE EVALUATOR

FILL REQUIREMENTS

Depth of Fill (Upslope)
Depth of Fill (Downslope)

32"
38"

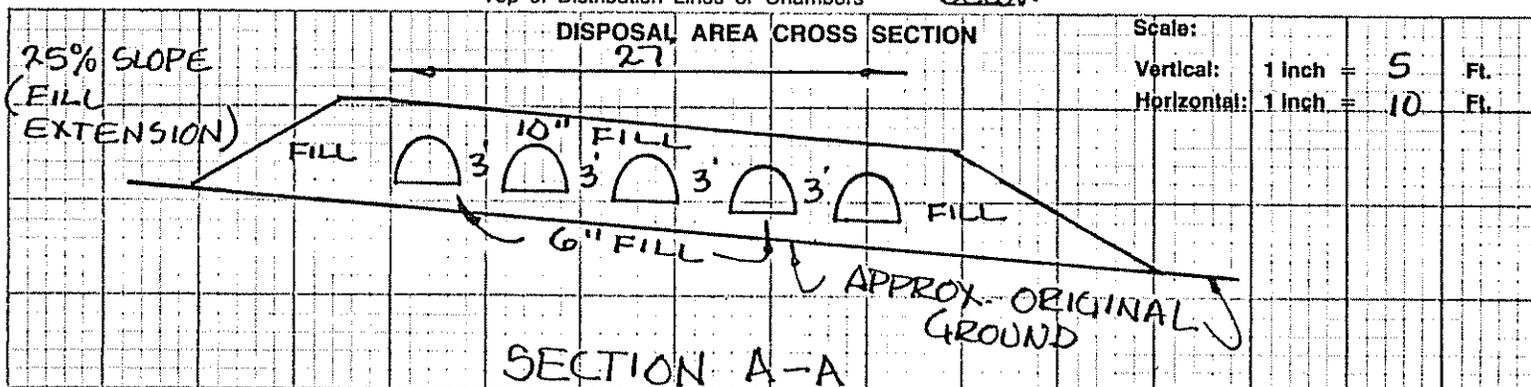
CONSTRUCTION ELEVATIONS

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

0.00
SEE
BELOW

ELEVATION REFERENCE POINT LOCATION & DESCRIPTION

BOTTOM OF SIDING



Scale:

Vertical: 1 Inch = 5 Ft.
Horizontal: 1 Inch = 10 Ft.

FILL UNDER & AROUND INFILTRATORS TO BE COURSE LOAMY SAND.

ELEVATION OF BOTTOM TRENCH

# 1	-29	14
# 2	-32	17
# 3	-35	13
# 4	-38	
# 5	-41	10

Ray Adams
Site Evaluator Signature

132
SE#

5/20/96
Date

1. System shall be installed in accordance with the Maine State Plumbing Code.
2. Remove vegetation from the proposed disposal area and scarify original ground before placing fill.
3. Fill shall be clean, coarse loamy sand.
4. All stone shall be of uniform size, and free of fines.
5. Site shall be graded in a manner which will divert surface water from the bed.
6. Grass, clover, trefoil, vetch, perennial wildflowers, or other herbaceous perennials may be planted on disposal area surfaces. Woody shrubs, in conjunction with a hardy perennial groundcover, may only be used on fill extensions.
7. If this application includes a new system variance request, it is assumed that this site is not part of a proposed subdivision.
8. "Permit By Rule" - When the toe of fill for a system extends closer than 100' to a wetland or waterbody, even though the system itself is 100' or more from the wetland or waterbody, or when a system requires a Replacement System Variance, the applicant may be required to file a "Permit By Rule" notification form or a complete application form with the D.E.P..

"Permit By Rule" does not take the place of any other local, state, or federal approvals which may be needed for the proposed activity. In specific instances, the activities may require a shoreland zoning permit from the town, a lease from the Bureau of Public Lands (207-289-3061) if the work extends onto state owned submerged lands, or a permit from the U.S. Army Corps of Engineers (207-623-8367).

9. If a system requires a pump, it shall be vented in accordance with standard practice. It is recommended that the required audible high water alarm be installed on the premises on a different electrical circuit from the pump.
10. As a general rule, a septic tank should be cleaned every two years. It is recommended that no commercial septic tank additives be used.
11. Unless otherwise stated this design does not provide for the use of a garbage disposal. If one is to be added contact the site evaluator in order that he may alter the design to accommodate the change.
12. This site evaluation and design has been done in compliance with the Maine State Plumbing Code. The approval and/or design may be subject to more restrictive local ordinances. The local Plumbing Inspector is to be contacted for final review approval.
13. By signature on this application, the client agrees with location of lot lines, wells and other physical features shown and further agrees to limit North By East Associates liability to the original cost of installation of the system or North By East Associates' total fee for services rendered on this project, whichever is greater.