

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services
Division of Health Engineering
(207)289-3826

PROPERTY ADDRESS

Town Or Plantation: Augusta

Street and Division Lot #: Bolton Hill Road

PROPERTY OWNERS NAME

Last: Harrington First: Byron

Applicant Name:

Mailing Address of Owner/Applicant (if Different): PO Box 244 Jefferson, Me

CAUTION: Inspection Required

AUGUSTA PERMIT # 1,682 TOWN COPY

Date Permit Issued: 7.20.89 \$ 401 Double Fee Charged

John DiPucicelli L.P.I. # 19163

Local Plumbing Inspector Signature

Owner/Applicant Statement

I certify that the information submitted is correct to the best of my knowledge and understand that any falsification is reason for the Local Plumbing Inspector to deny a Permit.

Byron Harrington 7/17/89

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.

John DiPucicelli 8-3-89

Local Plumbing Inspector Signature Date Approved

PERMIT INFORMATION

THIS APPLICATION IS FOR:

- NEW SYSTEM
- REPLACEMENT SYSTEM
- EXPANDED SYSTEM
- EXPERIMENTAL SYSTEM

THIS APPLICATION REQUIRES:

- NO RULE VARIANCE
- NEW SYSTEM VARIANCE
Attach New System Variance Form
- REPLACEMENT SYSTEM VARIANCE
Attach Replacement System Variance Form
 - Requiring Local Plumbing Inspector Approval
 - Requires State and Local Plumbing Inspector Approval
- MINIMUM LOT SIZE VARIANCE

INSTALLATION IS:

COMPLETE SYSTEM

- NON-ENGINEERED SYSTEM
- PRIMITIVE SYSTEM
(Includes Alternative Toilet)
- ENGINEERED (+ 2000 gpd)

SEASONAL CONVERSION
to be completed by the LPI

- SYSTEM COMPLIES WITH RULES
- CONNECTED TO SANITARY SEWER
- SYSTEM INSTALLED - P# _____
- SYSTEM DESIGN RECORDED AND ATTACHED

DISPOSAL SYSTEM TO SERVE:

- SINGLE FAMILY DWELLING
- MODULAR OR MOBILE HOME
- MULTIPLE FAMILY DWELLING
- OTHER _____
SPECIFY

INDIVIDUALLY INSTALLED COMPONENTS:

- TREATMENT TANK (ONLY)
- HOLDING TANK _____ GAL
- ALTERNATIVE TOILET (ONLY)
- NON-ENGINEERED DISPOSAL AREA (ONLY)
- ENGINEERED DISPOSAL AREA (ONLY)
- SEPARATED LAUNDRY SYSTEM

IF REPLACEMENT SYSTEM:

YEAR FAILING SYSTEM INSTALLED ?

THE FAILING SYSTEM IS:

- BED
- CHAMBER
- TRENCH
- OTHER: _____

SIZE OF PROPERTY
1+ AC

ZONING

TYPE OF WATER SUPPLY
Drilled well-existing

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

TREATMENT TANK

- SEPTIC: Regular Low Profile
- AEROBIC

SIZE: 1000 GALS.

WATER CONSERVATION

- NONE
- LOW VOLUME TOILET
- SEPARATED LAUNDRY SYSTEM
- ALTERNATIVE TOILET
SPECIFY: _____

PUMPING

- NOT REQUIRED
- MAY BE REQUIRED
(DEPENDENT ON TREATMENT TANK LOCATION AND ELEVATION)
- REQUIRED

DOSE: if req 50 GALS.

CRITERIA USED FOR DESIGN FLOW (BEDROOMS, SEATING, EMPLOYEES, WATER RECORDS, ETC.)

2-Bedroom Single Family Dwelling

DESIGN FLOW: 212
(GALLONS/DAY)

SOIL CONDITIONS USED FOR DESIGN PURPOSES

PROFILE	CONDITION
<u>3</u>	<u>D</u>

DEPTH TO LIMITING FACTOR: 9

SIZE RATINGS USED FOR DESIGN PURPOSES

- SMALL
- MEDIUM
- MEDIUM-LARGE (33)
- LARGE
- EXTRA LARGE

DISPOSAL AREA TYPE/SIZE

- BED 700 Sq. Ft.
- CHAMBER _____ Sq. Ft.
 REGULAR H-20
- TRENCH _____ Linear Ft.
- OTHER: _____

SITE EVALUATOR STATEMENT

On July 5, 1989 (date) I conducted a site evaluation for this project and certify that the data reported is accurate. The system I propose is in accordance with the Subsurface Wastewater Disposal Rules.

Bethany F. Slattery
Site Evaluator Signature
(Local Plumbing Inspector's Signature if permit is for Seasonal Conversion.)

#205
SE#

7-11-89
Date

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services
Division of Health Engineering

Town, City, Plantation

Augusta

Street, Road, Subdivision

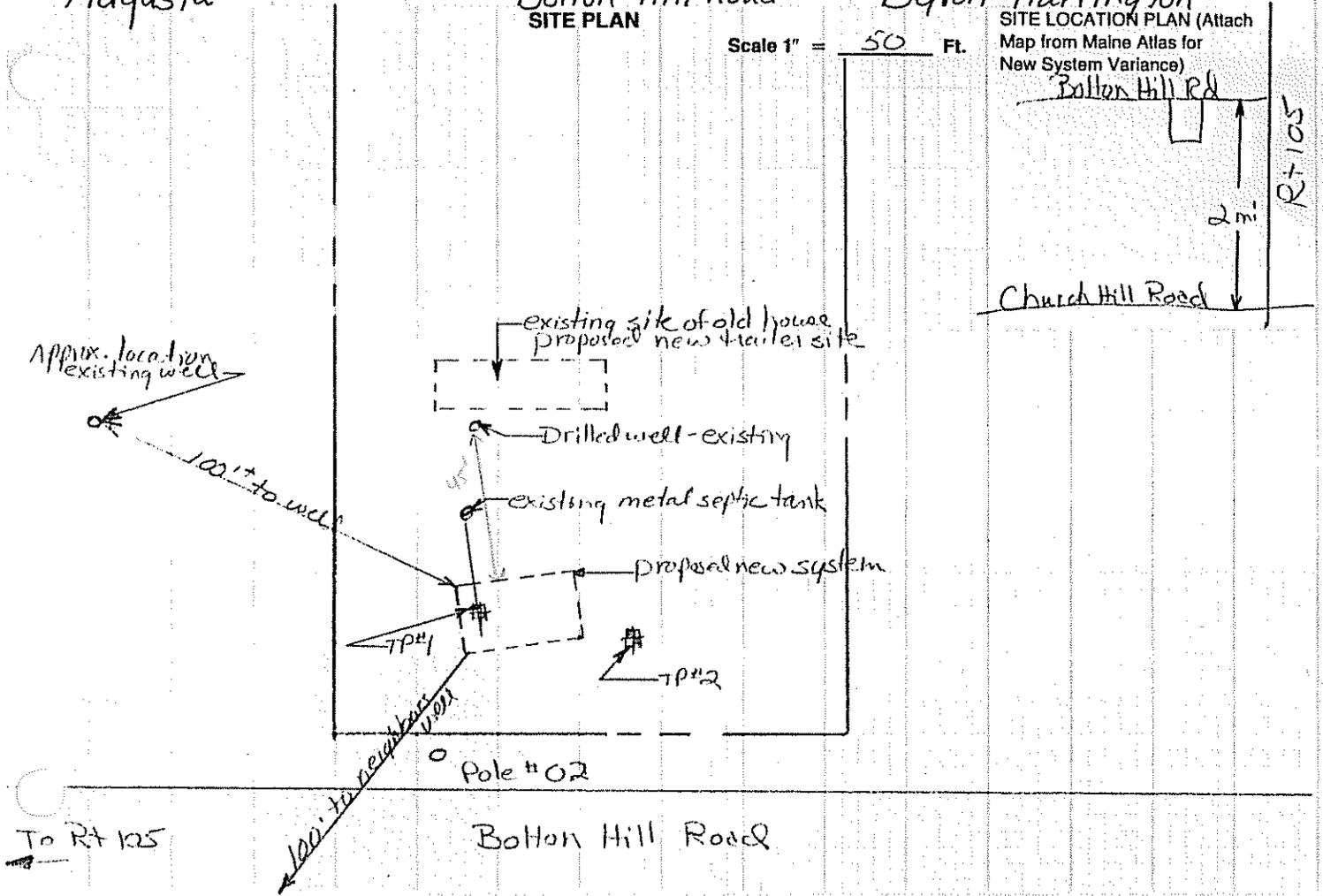
Bolton Hill Road
SITE PLAN

Owners Name

Byron Harrington

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

Scale 1" = 50 Ft.



SOIL DESCRIPTION AND CLASSIFICATION

(Location of Observation Holes Shown Above)

Observation Hole 1 Test Pit Boring

 " Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (Inches)	Texture	Consistency	Color	Mottling
	0			
6	mixed fill			
10				
15				
20				
30				
40				
50				

Soil Profile	Classification Condition	Slope %	Limiting Factor	<input type="checkbox"/> Ground Water <input type="checkbox"/> Restrictive Layer <input type="checkbox"/> Bedrock
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Observation Hole 2 Test Pit Boring

0 " Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (Inches)	Texture	Consistency	Color	Mottling
	0			brown
6	sandy loam	friable	reddish brown	
10			olive brown	
15		somewhat firm		
20				
30				
40				
50				

Soil Profile	Classification Condition	Slope %	Limiting Factor	<input checked="" type="checkbox"/> Ground Water <input type="checkbox"/> Restrictive Layer <input type="checkbox"/> Bedrock
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Deborah F. Slattery
Site Evaluator Signature

#205
SE#

7-11-89
Date

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Town, City, Plantation

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Owners Name

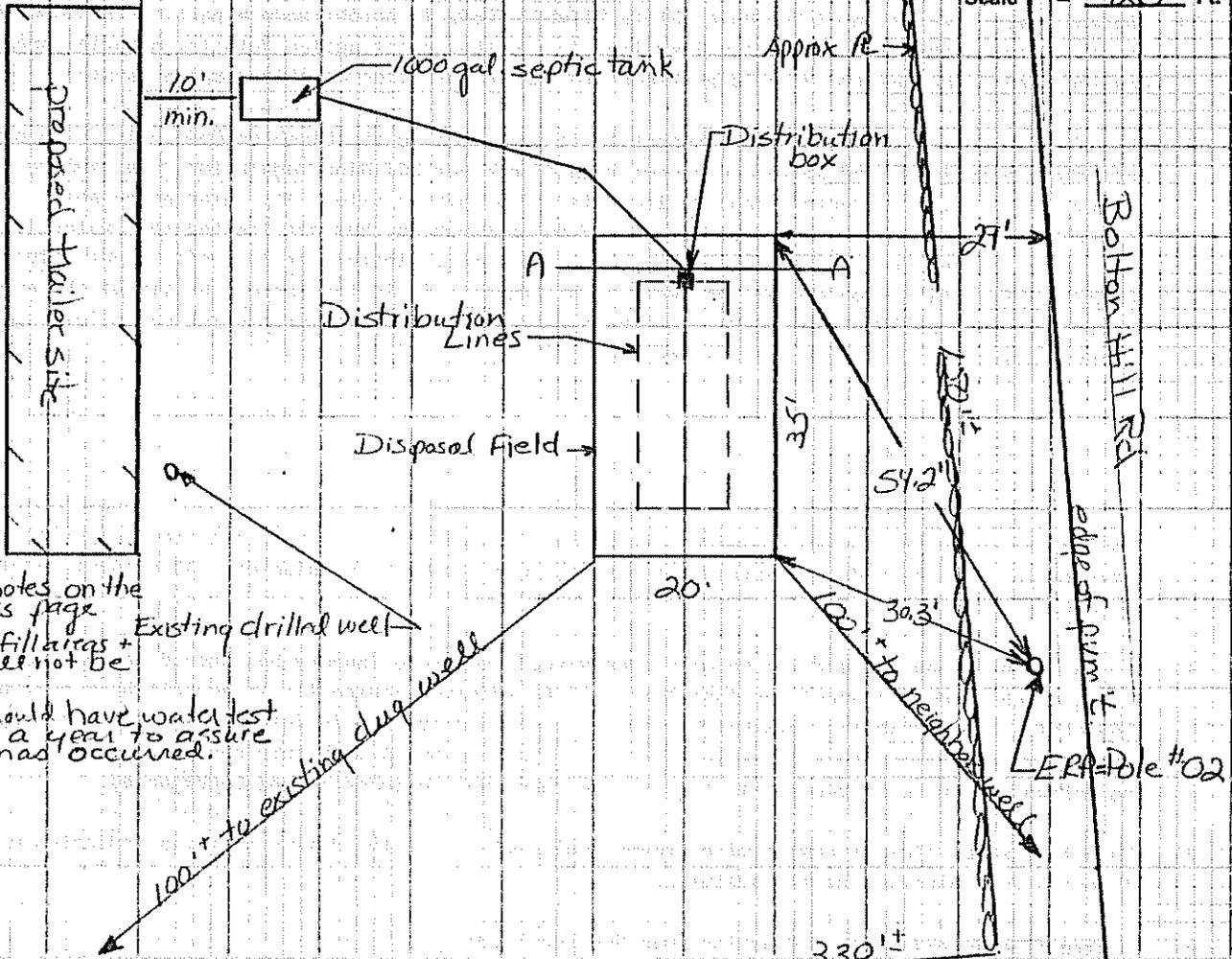
Augusta

Bolton Hill Rd

Byron Harrington

SUBSURFACE WASTEWATER DISPOSAL PLAN

Scale 1" = 20' Ft.



Notes

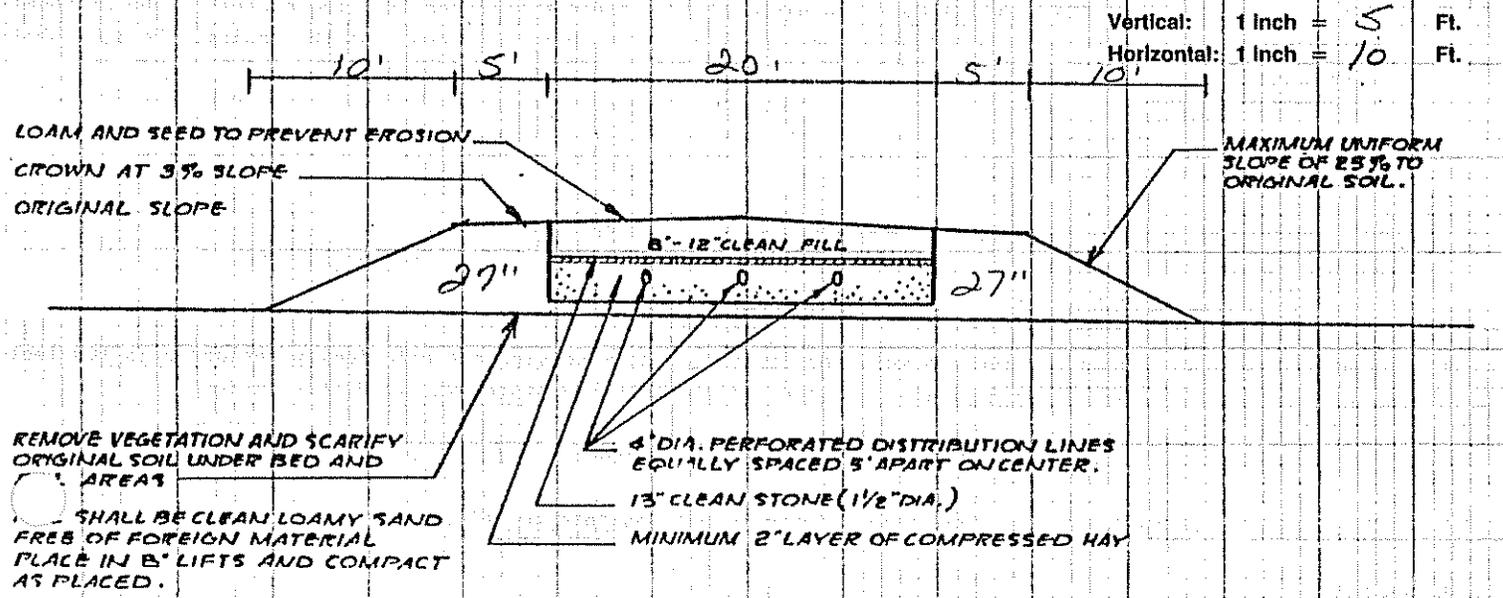
- Refer to general notes on the backside of this page.
- Disposal Field, fill areas + septic tank shall not be driven over.
- Existing well should have water test done twice a year to assure no pollution had occurred.

FILL REQUIREMENTS	
Depth of Fill (Upslope)	27"
Depth of Fill (Downslope)	31 1/2"

CONSTRUCTION ELEVATIONS	
Reference Elevation is	0"
Bottom of Disposal Area	-45"
Top of Distribution Lines or Chambers	-33"

ELEVATION REFERENCE POINT LOCATION & DESCRIPTION
ERP = Pole #02 with nail
58" above ground @ base

DISPOSAL AREA CROSS SECTION



REMOVE VEGETATION AND SCARIFY ORIGINAL SOIL UNDER BED AND AREAS
SHALL BE CLEAN LOAMY SAND FREE OF FOREIGN MATERIAL PLACE IN 6" LIFTS AND COMPACT AS PLACED.

Bethany F. Slattery
Site Evaluator Signature

#205
SE#

7-11-89
Date

GENERAL NOTES

- 1) The most recent revision of the Maine State Plumbing Code is hereby made a part of this HHE-200 Form and shall be consulted by the disposal system installer for further construction details, material specifications, cautions and other related details pertinent to the installation of this disposal system.
- 2) This HHE-200 Form is intended to represent facts pertinent to the Plumbing Code only. The owner or applicant must check both local and state ordinances regarding other building regulations (ie. zoning, building codes, minimum lot size, etc.) before considering this an approvable site. All information shown on this form relating to property lines and subsurface structures (such as, but not limited to: water lines, septic tanks, cess pools, cellar drains, utility lines, etc.) are noted, plotted, or left off as not affecting the system based on information provided by the owner or his agent. It is the responsibility of the owner or his agent to confirm, BEFORE CONSTRUCTION BEGINS, the above and/or any other features which may affect (or be adversely affected by) the installation of this system.
- 3) When a gravity system is proposed, BEFORE CONSTRUCTION BEGINS, the disposal system installer and building contractor shall review the relative elevation of all points given in this HHE-200 Form and the elevation of the existing or proposed building drain and septic tank openings for compatibility to the minimum code pitch requirements. Any questions that arise should be directed to the local plumbing inspector or myself. When a pump system is installed, provisions shall be made to keep the tank and lift station outlets above the high water table. An alarm device warning of pump failure should be considered. At present, venting of pumped systems is optional.
- 4) If the use of a laundry machine becomes excessive, a separate laundry bed should be designed and installed. A lint catching device should be installed for the washing machine (if it doesn't have one) and cleaned frequently. A distribution box has been shown in the design and is intended to offer an inspection port whereby the owner can check for excessive lint or grease build-up before damage to the system is done. Inspection should be frequent. Installation of a garbage grinder is not recommended.
- 5) The actual water flow or number of bedrooms shall not extend the design criteria indicated on this HHE-200 Form without a re-evaluation of the system.
- 6) Construction Details (State Plumbing Code Section 11.D)
 - (A) The vegetation in the proposed disposal area and fill extensions shall be removed and the ground surface scarified to minimize glazing of the original soil.
 - (B) The bottom of the disposal area and distribution line shall be level with a maximum grade tolerance of 1 inch per 100 feet.
 - (C) Fill shall be free of foreign material, placed in 8 inch lifts and compacted as placed.
 - (D) The finish grade of the backfill over the disposal area shall be crowned from the center of the disposal area at a 3% slope and extend 3 feet beyond the edge of the disposal area. At that point, the fill shall be sloped at a uniform grade of no greater than 25% (4:1) to the original ground.
 - (E) The land adjacent to the disposal area shall be graded to prevent both the accumulation of surface water on the disposal area and the flow of surface water across the disposal area.
 - (F) The finished disposal area and fill extensions shall be seeded to prevent erosion.
 - a) Grass, clover, trefoil, vetch, perennial wildflowers, or other herbaceous perennials may be utilized for disposal area surfaces. Woody shrubs are unacceptable.
 - b) Woody shrubs in conjunction with a hardy perennial ground clover, may be used on fill extensions only.
- 7) The general setback distance between a well and disposal system serving a single family residence is 100 feet. The location of a new well that is within 100 feet of the proposed system may void this design.
- 8) All construction shall be inspected by the local plumbing inspector (L.P.I.) prior to backfilling.
- 9) If the owner or installer has any question, please do not hesitate to call.

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. 1682 E Date Permit Issued _____
Town of Augusta
Property Owner's Name: Byron Harrington Tel. No. _____
System's Location: Botton Hill Road STREET
Augusta TOWN Maine ZIP
Property Owner's Address: PO Box 244 STREET
(if different from above) Jefferson STATE Me 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.

Byron E Harrington
PROPERTY OWNER'S SIGNATURE

7/17/89
DATE

VARIANCE CATEGORY	VARIANCE REQUESTED	LIMIT OF LPI'S APPROVAL AUTHORITY		VARIANCE REQUESTED TO:	
SOILS Soil Profile Soil Condition from HHE-200	Ground Water Table	to 6"		9	inches
	Restrictive Layer	to 6"		—	inches
	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'	38'	45'
	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.

Bethany F. Slattery #205
SITE EVALUATOR'S SIGNATURE

7-11-89
DATE

LPI STATEMENT

I, John O. Pucciarelli, LPI for the Town of Augusta 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:

John O. Pucciarelli
LPI'S SIGNATURE

7.20.89
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.

Frank J. McEathie WWP&PC
SIGNATURE OF THE DEPARTMENT

July 20, 1989
DATE