

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. 1637 E Town of Augusta
Date Permit Issued 6.12.89
MONTH/DAY/YEAR
Property Owner's Name: Larry Austin Tel. No. 623-3270
System's Location: West River Road RFD 3 Box 143
STREET
Augusta TOWN Maine 04330 ZIP
Property Owner's Address: - Same -
(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.

Larry Austin
PROPERTY OWNER'S SIGNATURE

6-13-89
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"		11 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 ^a	300 ^a		
	2. Well: < 2000 gal/day				
	a. Neighbor's	50 ^b	60 ^b		
	b. Property Owner's	25'	50'		
Waterbodies	3. Water Supply Line	See note 'a'			
	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.

William P. Brown
SITE EVALUATOR'S SIGNATURE

6/4/89
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

6-12-89
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.

SIGNATURE OF THE DEPARTMENT

DATE

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

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

PROPERTY ADDRESS	
Town Or Plantation	Augusta
Street Subdivision Lot #	West River Road
PROPERTY OWNERS NAME	
Last: Austin	First: Larry
Applicant Name:	RFD 3 Box 143
Mailing Address of Owner/Applicant (If Different)	Augusta, Me 04330

AUGUSTA PERMIT # 1,637 TOWN COPY

Date Permit Issued: 6/12/89 \$ 40 Double Fee Charged

John D. Puccanella
Local Plumbing Inspector Signature L.P.I. # 1963

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.

Paul Austin 6/17/89
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 R. Sullivan July 21, 1989
Local Plumbing Inspector Signature Date Approved

PERMIT INFORMATION

THIS APPLICATION IS FOR:

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

SEASONAL CONVERSION
to be completed by the LPI

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

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)

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: _____

DISPOSAL SYSTEM TO SERVE:

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

SIZE OF PROPERTY: 8 ac ± ZONING: Residential

TYPE OF WATER SUPPLY
Drilled Well

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: _____ GALS.

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

2 bedroom minimum

DESIGN FLOW: 180
(GALLONS/DAY)

SOIL CONDITIONS USED FOR DESIGN PURPOSES

PROFILE	CONDITION
<u>9</u>	<u>D</u>

DEPTH TO LIMITING FACTOR: 11

SIZE RATINGS USED FOR DESIGN PURPOSES

- SMALL
- MEDIUM
- MEDIUM-LARGE
- LARGE
- EXTRA LARGE

DISPOSAL AREA TYPE/SIZE

- BED 900 Sq. Ft.
- CHAMBER _____ Sq. Ft.
 REGULAR H-20
- TRENCH _____ Linear Ft.
- OTHER: _____

SITE EVALUATOR STATEMENT

On June 3, 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.

William P Brown
Site Evaluator Signature

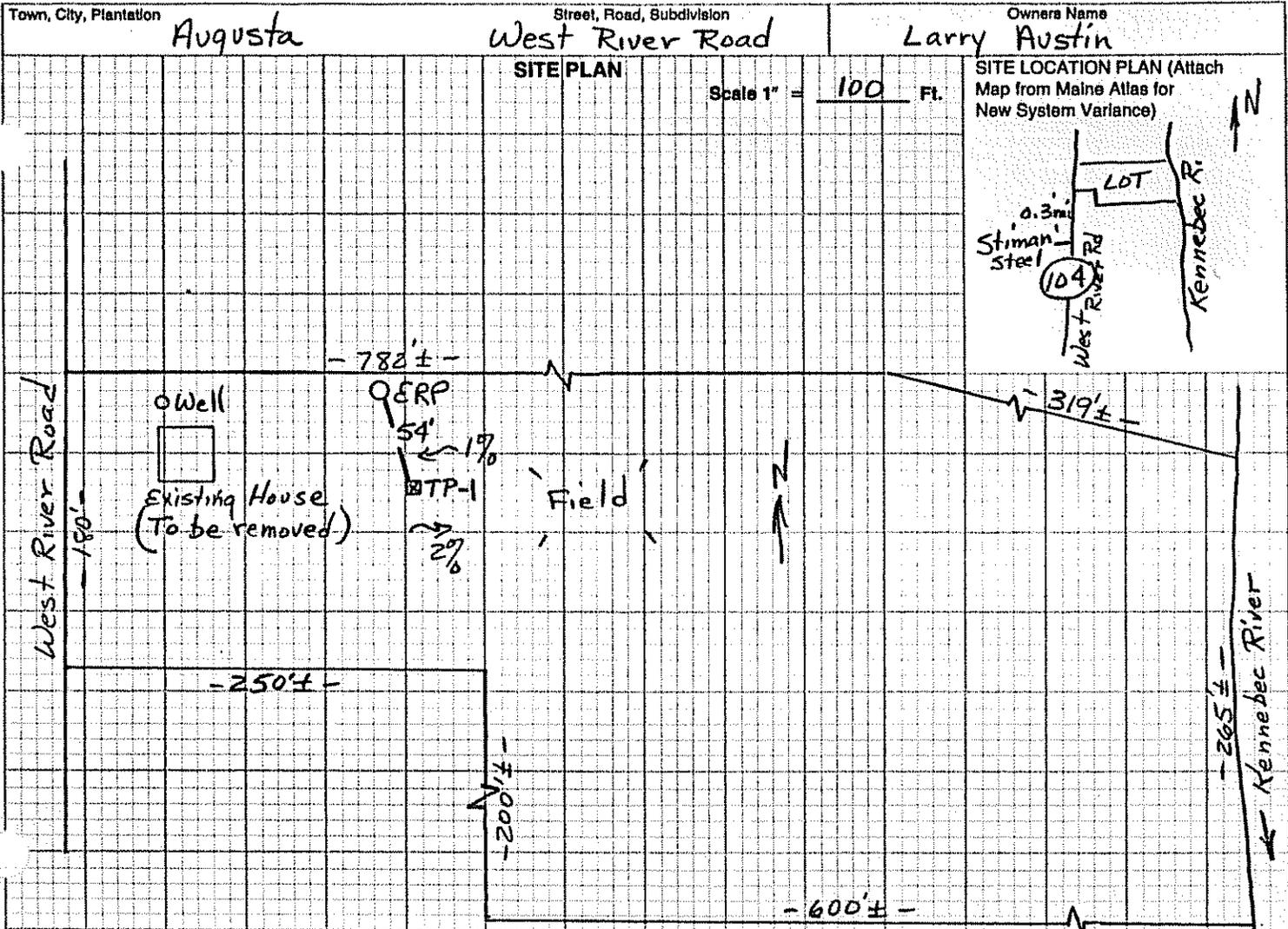
188
SE#

6/4/89
Date

(Local Plumbing Inspector's Signature if permit is for Seasonal Conversion.)

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services
Division of Health Engineering



SOIL DESCRIPTION AND CLASSIFICATION

(Location of Observation Holes Shown Above)

Observation Hole TP-1 Test Pit Boring

0 " Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (Inches)	Texture	Consistency	Color	Mottling
0	Loam	FRIABLE	Medium Brown	
8			Yellow Brown	None
15				Common
20	Silt Loam	FIRM	Olive	
30	to Silt Clay Loam			
40				
50				

Soil Profile: <u>9</u>	Classification Condition: <u>D</u>	Slope: <u>1-2</u> %	Limiting Factor: <u>11</u>	<input checked="" type="checkbox"/> Ground Water <input type="checkbox"/> Restrictive Layer <input type="checkbox"/> Bedrock
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Observation Hole _____ Test Pit Boring

_____ " Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (Inches)	Texture	Consistency	Color	Mottling
0				
8				
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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William P. Brown
Site Evaluator Signature

188
SE#

6/4/89
Date

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Public Works
Division of Health Engineering

Town, City, Plantation

Augusta

Street, Road, Subdivision

West River Road

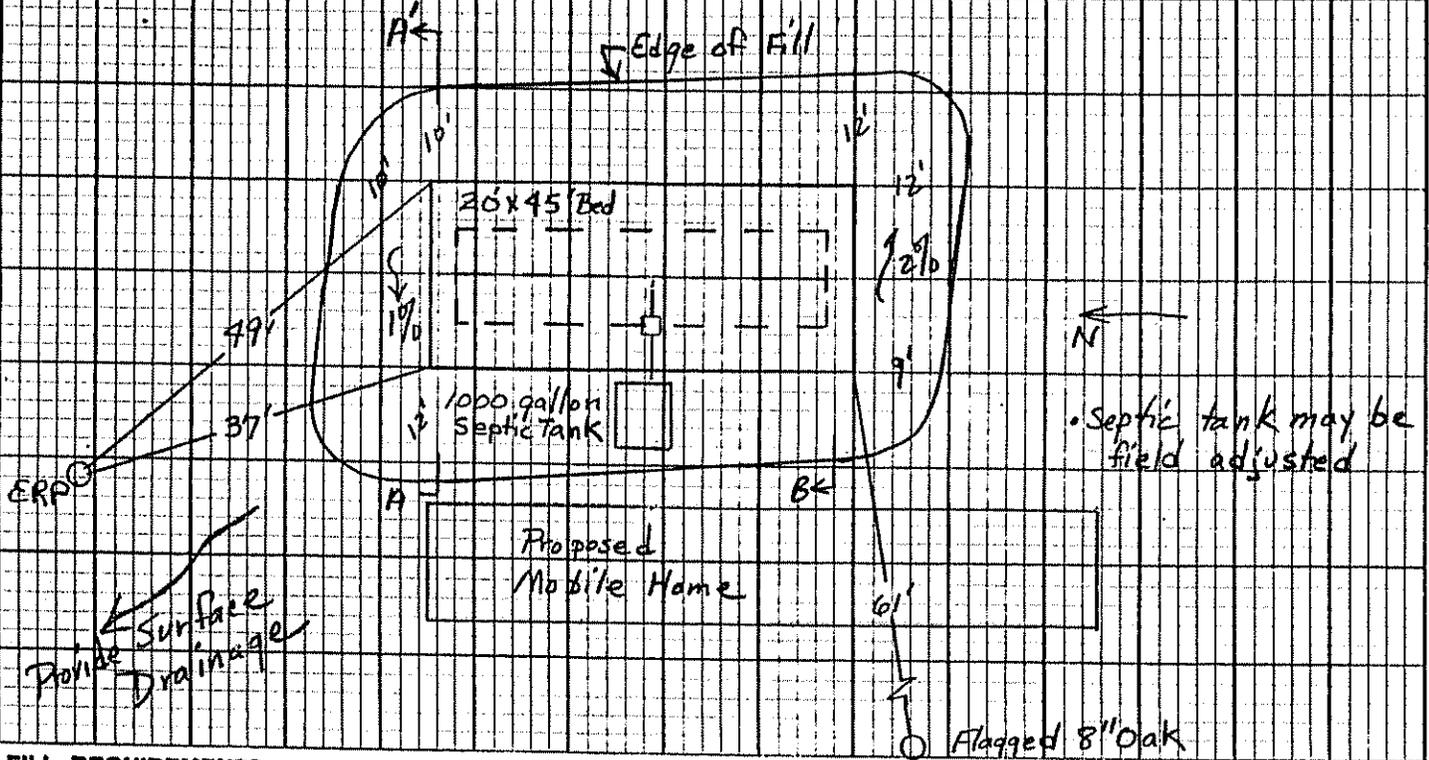
Owners Name

Larry Austin

SUBSURFACE WASTEWATER DISPOSAL PLAN

Scale 1" = 20' Ft.

- Provide Surface Drainage away from fill area



FILL REQUIREMENTS

Depth of Fill (Upslope) 25-30"
Depth of Fill (Downslope) 28-30"

CONSTRUCTION ELEVATIONS

Reference Elevation Is 00"
Bottom of Disposal Area -59"
Top of Distribution Lines or Chambers -48"

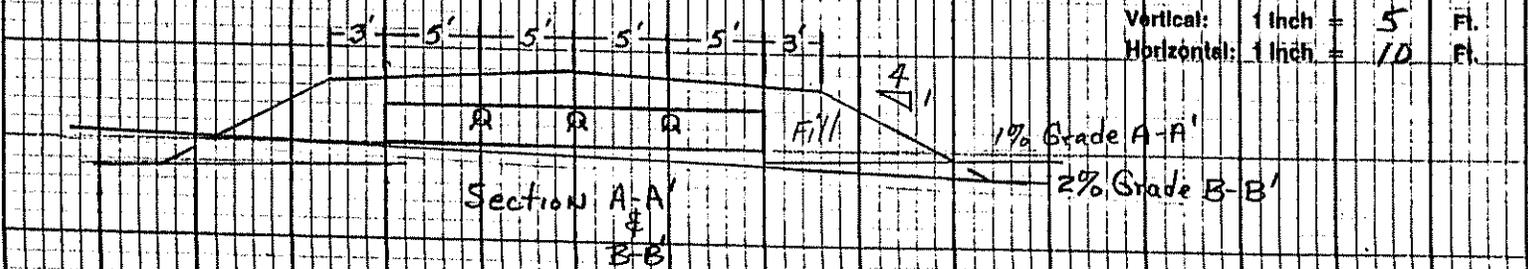
ELEVATION REFERENCE POINT LOCATION & DESCRIPTION

Flagged nail in 10 inch Cherry Tree, 4 feet above ground

DISPOSAL AREA CROSS SECTION

Scale:

Vertical: 1 inch = 5' Ft.
Horizontal: 1 inch = 10' Ft.



Section A-A'
&
B-B'

- Remove vegetation
- Scarify entire fill area
- All fill shall be sandy loam or coarser
- Crown finish grade from center at 3%
- Loam, seed, mulch

Detail

William P Brown
Site Evaluator Signature

188
SE#

6/4/89
Date