

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. 2235 E Town of Augusta
 Date Permit Issued 7.25.91
MONTH/DAY/YEAR

Property Owner's Name: EWYN DINSMORE Tel. No. _____

System's Location: 11 STEVENS RD
STREET

Augusta Maine 04330
TOWN ZIP

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

_____ 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.

Ewyn Dinsmore 7-24-91
 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"		12	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 ^a	300 ^a		
	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 AS NEEDED IF UNABLE TO OBTAIN PERMISSION TO ALLOW FILL ON ADJUTING PROPERTY
- 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.

John Richard
SITE EVALUATOR'S SIGNATURE

7-22-91
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 Pucciarelli
LPI'S SIGNATURE

7.25.91
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

PROPERTY ADDRESS

Town Or Plantation: Augusta

Street Division Lot #: Stevens Rd.

PROPERTY OWNERS NAME

Last: Dinsmore First: Erwin

Applicant Name:

Mailing Address of Owner/Applicant (If Different): 11 Stevens Rd Augusta, ME 04330

Caution: Permit Required

Date Permit Issued: 7-25-91

Local Plumbing Inspector Signature: John Puccarelli

L.P.I. #: 1963

Fee: \$ 2235.160

Double Fee Charged

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.

Signature of Owner/Applicant: Erwin Dinsmore Date: 9-2-91

Caution: Inspection Required

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

Local Plumbing Inspector Signature: John Puccarelli Date Approved: 8/1/91

PERMIT INFORMATION

THIS APPLICATION IS FOR:

1. NEW SYSTEM

2. REPLACEMENT SYSTEM

3. EXPANDED SYSTEM

4. EXPERIMENTAL SYSTEM

THIS APPLICATION REQUIRES:

1. NO RULE VARIANCE

2. NEW SYSTEM VARIANCE
Attach New System Variance Form

3. REPLACEMENT SYSTEM VARIANCE
Attach Replacement System Variance Form

a. Requiring Local Plumbing Inspector Approval

b. Requires State and Local Plumbing Inspector Approval

4. MINIMUM LOT SIZE VARIANCE

INSTALLATION IS:

COMPLETE SYSTEM

1. NON-ENGINEERED SYSTEM

2. PRIMITIVE SYSTEM
(Includes Alternative Toilet)

3. ENGINEERED (+2000 gpd)

INDIVIDUALLY INSTALLED COMPONENTS:

4. TREATMENT TANK (ONLY)

5. HOLDING TANK _____ GAL

6. ALTERNATIVE TOILET (ONLY)

7. NON-ENGINEERED DISPOSAL AREA (ONLY)

8. ENGINEERED DISPOSAL AREA (ONLY)

9. SEPARATED LAUNDRY SYSTEM

SEASONAL CONVERSION

to be completed by the LPI

5. SYSTEM COMPLIES WITH RULES

6. CONNECTED TO SANITARY SEWER

7. SYSTEM INSTALLED - P# _____

8. SYSTEM DESIGN RECORDED AND ATTACHED

DISPOSAL SYSTEM TO SERVE:

1. SINGLE FAMILY DWELLING

2. MODULAR OR MOBILE HOME

3. MULTIPLE FAMILY DWELLING

4. OTHER _____ SPECIFY

IF REPLACEMENT SYSTEM:

YEAR FAILING SYSTEM INSTALLED 1958

THE FAILING SYSTEM IS:

1. BED 3. TRENCH

2. CHAMBER 4. OTHER: _____

SIZE OF PROPERTY: 13,000 sq ft

ZONING: RESIDENTIAL

TYPE OF WATER SUPPLY

AUGUSTA WATER DISTRICT

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

TREATMENT TANK

1. SEPTIC: Regular Low Profile

2. AEROBIC

SIZE: EXISTING 1,000 GALS.

WATER CONSERVATION

1. NONE

2. LOW VOLUME TOILET

3. SEPARATED LAUNDRY SYSTEM

4. ALTERNATIVE TOILET

SPECIFY: _____

PUMPING

1. NOT REQUIRED

2. MAY BE REQUIRED
(DEPENDING ON TREATMENT TANK LOCATION AND ELEVATION)

3. REQUIRED

DOSE: 60 GALS.

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

2 BEDROOM

SOIL CONDITIONS USED FOR DESIGN PURPOSES

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

DEPTH TO LIMITING FACTOR: 12

SIZE RATINGS USED FOR DESIGN PURPOSES

1. SMALL

2. MEDIUM

3. MEDIUM-LARGE

4. LARGE

5. EXTRA LARGE

DISPOSAL AREA TYPE/SIZE

1. BED _____ Sq. Ft.

2. CHAMBER 450 Sq. Ft.
 REGULAR H-20

3. TRENCH _____ Linear Ft.

4. OTHER: _____

DESIGN FLOW: 180 (GALLONS/DAY)

SITE EVALUATOR STATEMENT

On 7-17-91 (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.

Signature: [Signature]
 Site Evaluator Signature
 (Local Plumbing Inspector's Signature if permit is for Seasonal Conversion.)

SE#: 181

Date: 7-22-91

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services
Division of Health Engineering

Town, City, Plantation: Augusta Street, Road, Subdivision: Stevens Rd Owners Name: Dinsmore

SITE PLAN Scale 1" = 40 Ft.

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

PROPOSED INFILTRATOR SYSTEM (OR EQUAL)

APPROXIMATE PROPERTY LINE

NOTES:

1. EXISTING TANK TO BE REMOVED & Baffles INSPECTED & REPAIRED IF NEEDED PRIOR TO CONNECTION TO NEW DISPOSAL AREA
2. SHED TO BE MOVED TO ALLOW FILL EXTENSION
3. IF POSSIBLE OBTAIN ADJUTORS PERMISSION TO ALLOW FILL TO EXTEND BEYOND BACK PROPERTY LINE

SOIL DESCRIPTION AND CLASSIFICATION (Location of Observation Holes Shown Above)

Observation Hole TP-1 Test Pit Boring
N/A " Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (Inches)	Texture	Consistency	Color	Mottling
0	LOAM	FRIABLE	BROWN	NONE EVIDENT
10	SILTY CLAY	FIRM	OLIVE	Common
15				DISTINCT
20				
30				
40				
50				

Soil Profile: <u>9</u>	Classification Condition: <u>D</u>	Slope: <u>4</u> %	Limiting Factor: <u>12</u>	<input checked="" type="checkbox"/> Ground Water <input type="checkbox"/> Restrictive Layer <input type="checkbox"/> Bedrock
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Observation Hole B-1 Test Pit Boring
N/A " Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (Inches)	Texture	Consistency	Color	Mottling
0	LOAM	FRIABLE	BROWN	NONE EVIDENT
10	SILTY CLAY	FIRM	OLIVE	Common
15				DISTINCT
20				
30				
40				
50				

Soil Profile: <u>9</u>	Classification Condition: <u>D</u>	Slope: <u>2</u> %	Limiting Factor: <u>12</u>	<input checked="" type="checkbox"/> Ground Water <input type="checkbox"/> Restrictive Layer <input type="checkbox"/> Bedrock
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[Signature]
Site Evaluator Signature

181
SE#

7-22-91
Date

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services
Division of Health Engineering

Town, City, Plantation

Street, Road, Subdivision

Owners Name

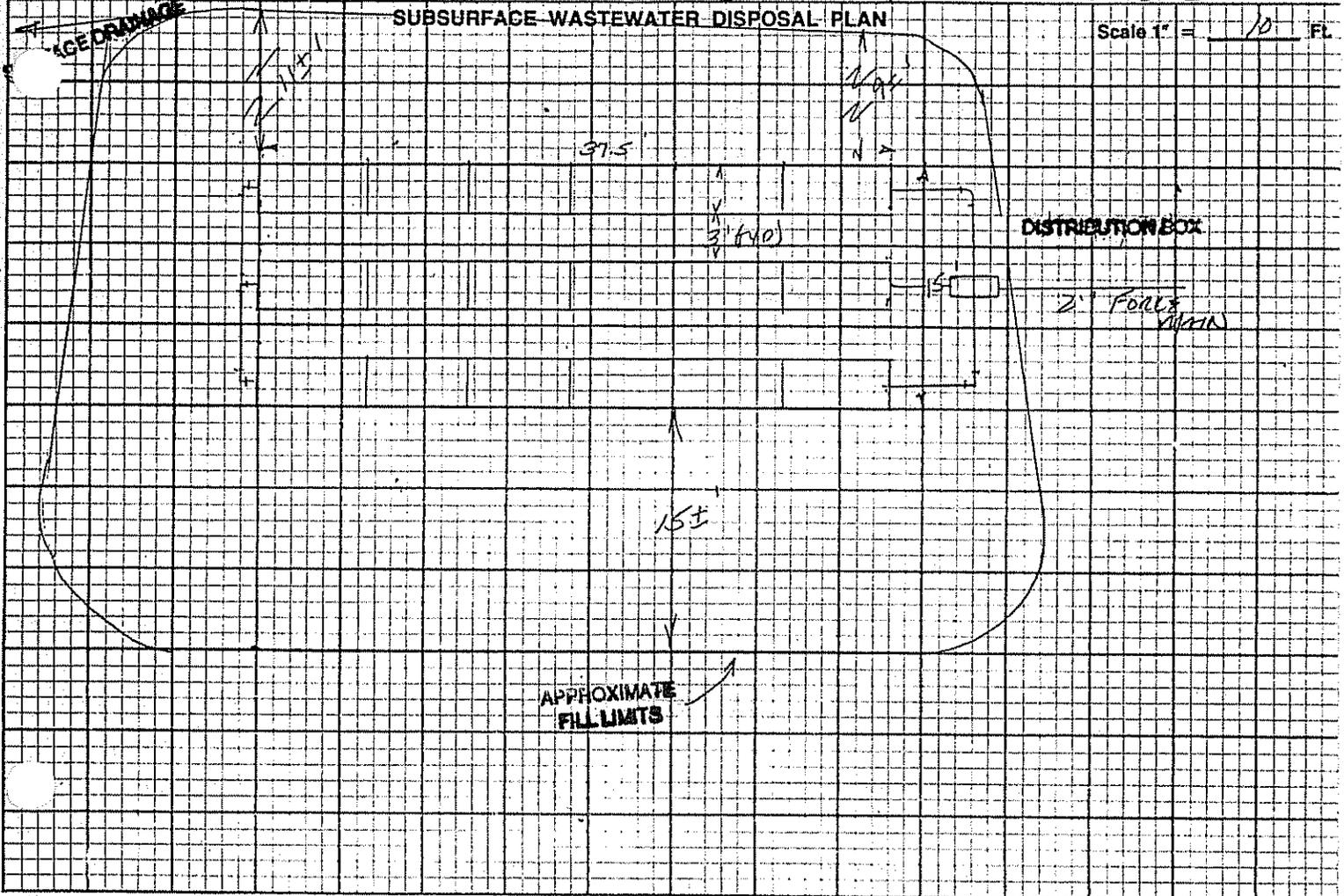
AUGUSTA

STEVENS RD

DINSMORE

SUBSURFACE WASTEWATER DISPOSAL PLAN

Scale 1" = 10' FL



APPROXIMATE FILL LIMITS

FILL REQUIREMENTS

Depth of Fill (Upslope)	24-29"
Depth of Fill (Downslope)	31-37"

CONSTRUCTION ELEVATIONS

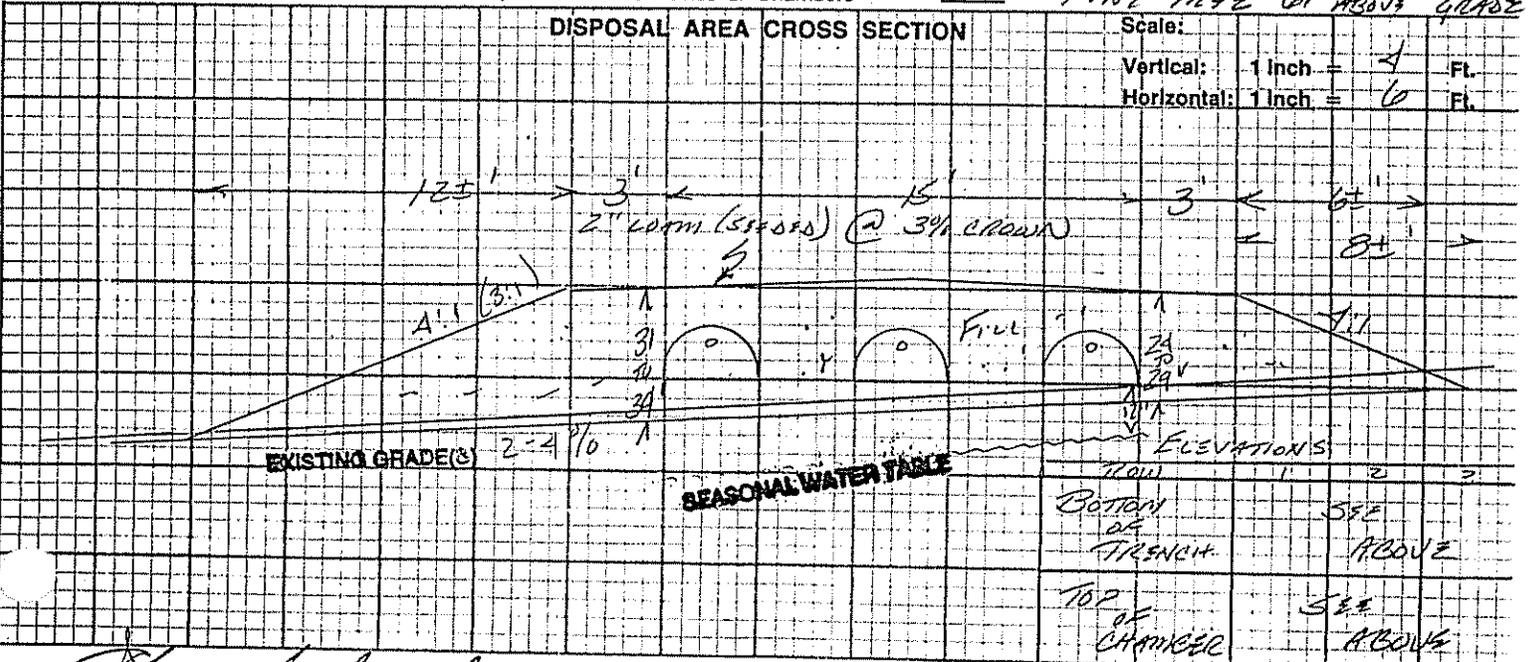
Reference Elevation Is	00"
Bottom of Disposal Area	-67"
Top of Distribution Lines or Chambers	52"

ELEVATION REFERENCE POINT LOCATION & DESCRIPTION

FLAGGED NAIL IN 20"
PINE TREE 61" ABOVE GRADE

DISPOSAL AREA CROSS SECTION

Scale:
Vertical: 1 Inch = 4' FL
Horizontal: 1 Inch = 6' FL



Alan Michael
Site Evaluator Signature

181
SE#

7-22-91
Date

NOTES

1. Site evaluations conform to criteria of the "State of Maine-Subsurface Wastewater Disposal Rules-Capt 241" latest revision. Other environmental concerns are not evaluated and may require additional professional opinions. The delineation of wetlands when needed is to be performed by competent consultants engaged in such practice and may affect the suitability of particular sites.
2. All construction to conform to specifications in the "State of Maine-Subsurface Wastewater Disposal Rules-Chapt 241" latest revision.
3. Wells to be located a minimum 100' from disposal system. Systems to be a minimum 20' from structures with foundations 15' from other structures.
4. Property lines shown are as provided by owner/owner's agent no guarantee of accuracy is implied. Actual property lines must be confirmed by survey.
5. A septic tank outlet filter is recommended when installing a mechanical garbage disposal.
6. Pump stations, when required, shall be watertight to prevent infiltration. Pumps shall be installed to manufacturers specifications and sized for actual installed T.D.H.. For uninterupted service during repair duplex pumps are required.
7. Force mains and pressure lines shall be flushed of foriegn material and pumps checked for proper on/off cycle before being put in service.
8. Applicability of design must be reevaluated when location of structures are substantially different than shown on the site plan, or when other appurtenances(I.E. swimming pools) are considered.
9. Systems put into service prior to establishing proper cover shall be provided with adequate erosion controls.
10. Provide low profile tanks when determined needed in the field. All tanks may be field located at least 8' from structures.
11. All components subject to freezing must be adequately insulated.
12. The LPI shall inform the owner and designer of local ordinances exceeding the "Rules" prior to issuing a permit, so that necessary amendments can be made.
13. All designs are subject to Local, State, or Federal review. Designers liability shall be limited to required revisions. In no case shall liability exceed designers fee.

The owner/applicants signature on page one aknowledges their understanding of the "Notes".

