

This Is NOT A Permit; This Form When Completed Must Be Presented To The Local Plumbing Inspector To Obtain A Permit

EDwards
 Rube
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This Application Is For: New System Replacement Of Entire System Expanded System Conversion Permit Replacement Of Disposal Area Only

Variance: None Required New System Variance Replacement System Variance With LPI Approval Dept Review

PROPERTY LOCATION: **Augusta** (Town, Plantation) **Leavitt Road** (Street, Road)

PROPERTY OWNER or APPLICANT: **Robert Edwards**

Mailing Address: **R.F.D. # 2 Leavitt Road** (Street) **622-7768** (Tel No)

Augusta (Town) **Maine** (State) **04330** (Zip Code)

TYPE OF STRUCTURE, DESIGN FLOW **2 families on one lot**

Single Family Dwelling Number of Bedrooms **4*** Design Flow **176** GPD

Design Flow based on Minimum Moderate Conservative

Reduction in Design Flow due to Water Conservation **available space on the lot and budget limitations**

If so, specify type (s) _____

Other Establishment Specify _____ Type of Facility _____

(Number of Employees, Seating Capacity, Building Size, etc.) _____

Design Flow _____ GPD

If greater than 2000 GPD Specify Professional Engineer _____

LOCATION PLAN OF PROPERTY

Drawings, Landmarks, Distances

PROPERTY INFORMATION

Area of Property **1** (Sq Ft) Acres Zoned Not Zoned

If zoned, type of zoning _____

Property on Water Body, If so, Name of Water Body _____

Water Supply is Public Utility Drilled Well **150'** depth

Dug Well _____ depth Well Point Spring Surface Water

SOIL PROFILE DESCRIPTION Location of Observation Holes shown on page 2

TEXTURAL DESCRIPTION OF EACH SOIL STRAT ENCOUNTERED	1st Original (Top Soil) (Type, Color, etc.)	1	1	1
	2nd Original (Type, Color, etc.)			
	1st Original (Type, Color, etc.)	sandy loam	30"	30"
	2nd Original (Type, Color, etc.)			
	3rd Original (Type, Color, etc.)			
	4th Original (Type, Color, etc.)			
Total Depth of Observation Hole		30"		
DEPTH OF NATURAL MINERAL SOIL	Maximum Seasonal High Ground Water Table Depth	-		
	Depth to Restrictive Layer	None evident		
	Depth to Bedrock	30"		
PROFILE	CONDITION	SLOPE		
2	A	17+%		

DISPOSAL SYSTEM PROPOSED Location of system and Details on Proposed Plan on page 2

TYPE OF SYSTEM	TREATMENT TANK	SUBSURFACE DISPOSAL AREA/TYPE	SYSTEM SIZE RATING
<input checked="" type="radio"/> Combined System	<input checked="" type="radio"/> Septic Tank	<input checked="" type="radio"/> Trench Disposal Area	<input type="radio"/> Small <input type="radio"/> Medium <input checked="" type="radio"/> Medium Large <input type="radio"/> Large <input type="radio"/> Extra Large
<input type="radio"/> Separated System	<input type="radio"/> Aerobic Tank	Total linear feet of trench 120 ft	DISPOSAL AREA ELEVATION
If separated system, type of black waste disposal system to be used	Size unknown Gals	Number of Trench lines 3 ft	Depth of Upslope Fill required fill from 28" inches
<input type="radio"/> Compost <input type="radio"/> Pit Privy <input type="radio"/> Sealed Vault Privy <input type="radio"/> Other _____	recommend replacement DOSAGE with 1000 gal.	Length of each trench line 40 ft	to 33" inches
Specify _____	<input checked="" type="radio"/> Pumping is not required	Depth of Stone 20 inches	Reference Elevation Point established at 0" Elevation
<input type="radio"/> Separated Laundry System	Pumping is required	Reduction on trench length due to stone depth 25 %	Disposal Area Bottom to be established at see note Elevation
<input type="radio"/> Primitive System	The dose should be _____ Gals	<input type="radio"/> Bed Disposal Area	Top of Distribution Lines or Top of Chambers _____ Elevation
Washing Tank	Dosage chamber capacity shall be _____ gals	Total bed area _____ sq. ft.	<input checked="" type="radio"/> Yes <input type="radio"/> No: The proposed subsurface disposal area will be located at least 100 feet from any and all wells, springs, surface water bodies and courses (lake, pond, ocean, brook stream, river), swamps, marshes, and bogs.
	System should be vented	Number of beds _____	<input checked="" type="radio"/> Yes <input type="radio"/> No: The proposed subsurface disposal area will be located at least 300 feet from any and all wells and springs producing 2000 gallons or more of water per day and any public water supplies.
		Width _____ ft Length _____ ft	
		Total chamber area _____ sq. ft.	
		Number of clusters _____	
		Width _____ ft Length _____ ft	
		<input type="radio"/> H 20 required	

FOR USE BY SITE EVALUATOR: Date **5/2/82**

I conducted this soil evaluation and certify that the results indicated above best represent the soil conditions found. I recommend the above type and size of subsurface wastewater disposal system. I also recommend the proposed disposal system layout and location shown on page 2.

Signature of Site Evaluator: **Joseph C. Rowe** (Date Signed) **revised August 26, 1982** License Number **42**

FOR USE BY OWNER/APPLICANT: I certify that all the information submitted to be true and correct to the best of my knowledge. I understand that any falsification of this information is cause to deny a permit to install a disposal system and that the permit is valid for a six-month period from the date of permit issuance. I also understand that no guarantee is intended or implied by reason of any advice or approval given.

Signature of Owner/Applicant: **Robert D. Edwards** (Date Signed) _____

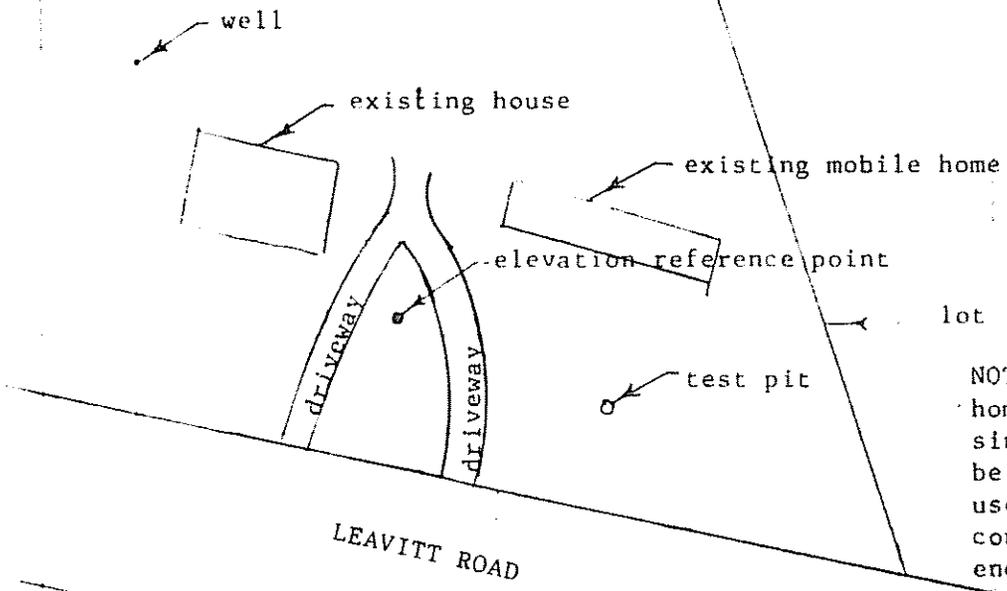
FOR USE BY LPI: This Application is approved. If conditions, specify _____ Signature of LPI: **Archie R. Richford** (Date Issued) **10/12/82** PERMIT NO. **52944** Date Issued **10 12 82**

APPLICATION FOR SUBSURFACE WASTEWATER DISPOSAL PERMIT

PROPERTY LOCATION Augusta Town, Plantation	Leavitt Road Street, Road	Subdivision Name	Lot No.
PROPERTY OWNER or APPLICANT Robert Edwards	DISPOSAL AREA ELEVATION Depth of Upslope Fill required from 28" to 33" Depth of Downslope Fill required _____ inches	Reference Elevation Point established at 0 Elevation	Disposal Area Bottom to be established at _____ Elevation Top of Distribution Lines or Top of Chambers _____ Elevation

Site Plan

Scale 1" = 50 ft.

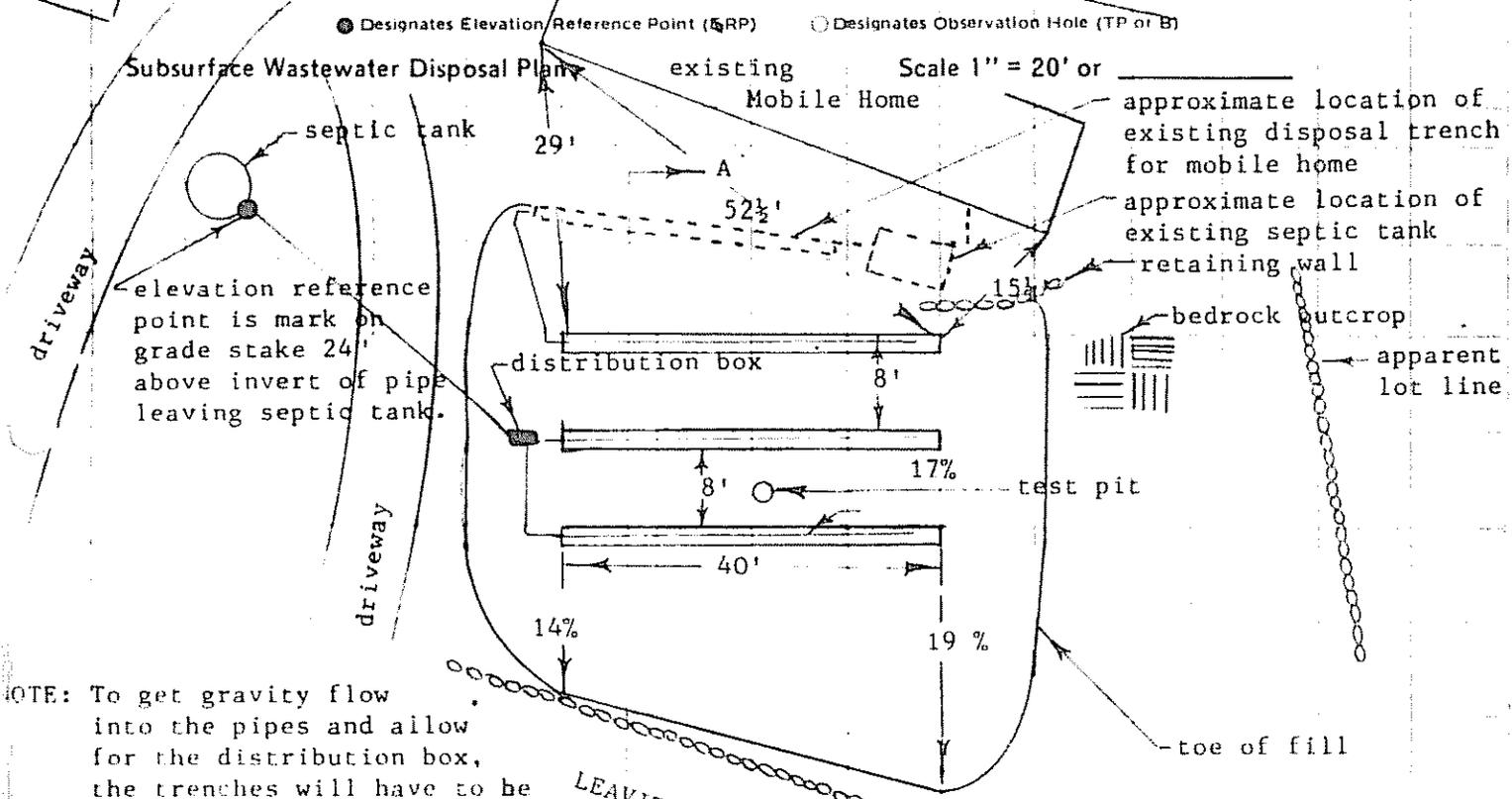


NOTE: Bottom of the uphill trench to be 20" below ERP middle trench is 42" below bottom trench is 58" below. Pipes will be 15" above bottom of trenches. 20" total of stone in trenches.

NOTE: The system for the mobile home has also failed. The single trench immediately below the mobile home will be used to expand that system by connecting serially from the end of the old trench and allow the old trench to take what it can, and the overflow going to the new trench.

Subsurface Wastewater Disposal Plan

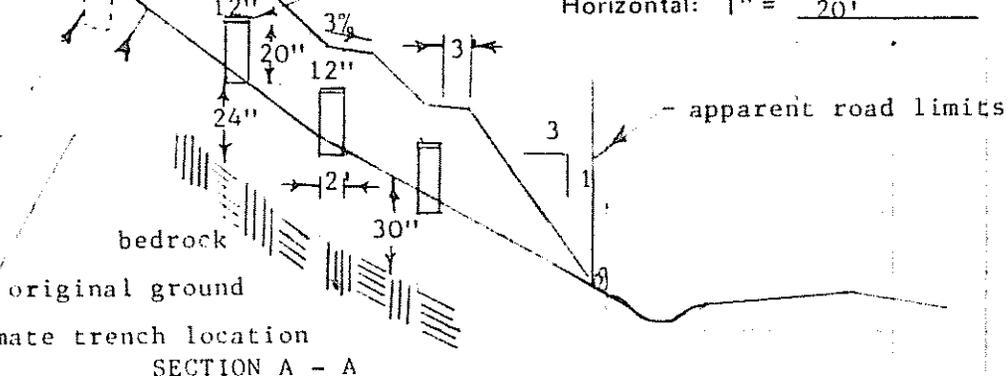
Scale 1" = 20' or _____



NOTE: To get gravity flow into the pipes and allow for the distribution box, the trenches will have to be moved downhill enough to make 6" more pitch from the E.R.P. to the middle trench from the present staked location of the middle trench.

Subsurface Wastewater Disposal Area Cross-section

Scale: Vertical: 1" = 5' Horizontal: 1" = 20'



Site Evaluator's Signature
Joseph C. Rowe

Date revised Aug. 26, 1982 License Number

0042

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 is in noncompliance 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 with LPI approval limitations can be met.

1. The replacement system is correcting a malfunction or an unlicensed wastewater discharge system.
2. A replacement 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 does not conflict with Seasonal Conversion Permit (30 MRSA § 3223) or with Mandatory Shoreland Zoning (12 MRSA § 4811).
6. 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

Town of Augusta

Town Code 11020 Permit No. 52944E Date Permit Issued 10/12/83
month/day/yr.

Property Owner's Name: Robert Edwards Tel. No. 622-7768

System's Location: Leavitt Road
Street
Augusta MAINE 04330
Town Zip

Property Owner's Address: R.F.D. # 2 Leavitt Road
(if different from above) Street
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.

Robert O. Edwards
Property Owner's Signature

10/12/83
Date

Category	Variance Requested	Limit of LPI's Approval Authority		Variance Requested to	
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	Treatment Tank	Disposal Area	Treatment Tank	Disposal Area
Potable Water Supplies	1. Well > 2000 gal/day	100a	300a		
	2. Well < 2000 gal/day				
	a. Neighbor's	100b	100b		
	b. Property Owner's	50'	60'		
	3. Water Supply Line	See Note 'a'			
Waterbodies	1. Perennial	60'	60'		
	2. Intermittent	25'	25'		
	3. Manmade drainage ditch	15'	15'		
Downhill Slope	Greater than 3:1 (33%)	5'	10'		
Buildings	1. With basement	See Note	15'		
	2. Without basement	'a'	10'		
Property Line		5'	5'		

Other Specify: Reduce capacity of system for two households from 450 gallons per day to 176 gallons per day by allowing constant overload of system due to area and budget constraints. See letter attached. Reduce fill slopes to 3:1 to keep fill out of the road.

Footnotes:
 a. This setback distance cannot be reduced by variance. See Table 6-2.
 b. A variance to reduce the 100 foot setback distance to a minimum of 80 feet may be granted only with the neighbor's written permission.
 c. Sufficient distance shall be maintained to assure that the toe of the fill does not extend to the 3:1 slope.

Lloyd C. Rowe
 Site Evaluator's Signature

August 26, 1982
 Date

LPI Statement

I, Archie R. Bickford, 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 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, do not approve) 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: 10/12/82 spoke to Archie Bickford LPI [OK]

Archie R. Bickford
 LPI's Signature

10/12/82
 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.

David P. Brian
 Signature of the Department

10/12/82
 Date

Rowe & Ellis

179 MAIN STREET WATERVILLE, MAINE 04901

(207) 873-5808

August 26, 1982

ROBERT EDWARDS SYSTEM NOTES

For about \$ 10,000 a system can be constructed on this lot that will insure that the current problem of surfacing septic effluent will not re-occur for many years in the future. The well may need to be relocated which could incur added cost. A series of pumps with about 23 chambers and a great deal of fill will be enough to satisfy the current plumbing code for a replacement system. It may be necessary to obtain variances for depth to bedrock, since it would appear that a large part of the lot has less than 15" of soil over ledge.

The system I have designed will work for a finite period before the same problem that exists on the lot now reoccurs. If the trenches are carefully constructed, and the occupants of the two residential structures are careful with the use of water, or install various water conserving fixtures, it is possible that with frequent cleaning of the tanks, and application of peroxide treatment to the trenches when the systems slow down that many years will go by before this system has to be rebuilt.

My original system was designed for 193 gallons per day for the single family residence with no consideration for the mobile home. This system is for 176 gallons per day including one third of that total to be allowed for the mobile home, or only 117 gallons per day design for the home. It is probable that the two trenches designed for the home will operate under a constant overload until the children living at home with Mr. and Mrs. Edwards have grown and left home. It will be interesting to monitor this installation over a period of time to see how well it performs. I will guarantee only that it will work until it fails.

LLOYD G. ROWE

Lloyd G. Rowe
P.E.
L.S.

S.E. # 0042