

This Application is For: New System Replacement Of Entire System Expanded System Variance None Required Replacement System Variance With LPI Approval Dept. Review

Replacement Of Disposal Area Only Conversion Permit New System Variance

PROPERTY LOCATION: Brooklin, Hale's Woods Rd. & Rt. 175

PROPERTY OWNER or APPLICANT: Charles Ware, c/o Frank Snow

Mailing Address: 326-8777, Brooksville ME 04607

TYPE OF STRUCTURE DESIGN FLOW: Single Family Dwelling, Number of Bedrooms 2, Design Flow 180 GPD

Design Flow based on: Minimum Moderate Conservative

Other Establishment: _____ Specify _____ Type of Facility _____

PROPERTY INFORMATION: Area of Property 15± Sq. Ft. Acres, Zoned, Not Zoned

Water Supply is: Public Utility Drilled Well depth _____ Dig Well depth _____ Well Point Spring Surface Water

SOIL PROFILE DESCRIPTION Location of Observation Holes shown on page 2

TEXTURAL DESCRIPTION OF EACH SOIL STRATA ENCOUNTERED	Observation Hole No. 1	Observation Hole No. _____	Observation Hole No. _____					
	Test Pit <input checked="" type="checkbox"/> Boring	Test Pit <input type="checkbox"/> Boring	Test Pit <input type="checkbox"/> Boring					
	Organic Strata or (Existing Fill) Thickness 2	Organic Strata or (Existing Fill) Thickness _____	Organic Strata or (Existing Fill) Thickness _____					
	1st Original Mineral Soil Strata Red br. gravelly loamy sands Depth from 0 to 13 Thickness 13	1st Original Mineral Soil Strata Depth from 0 to _____ Thickness _____	1st Original Mineral Soil Strata Depth from 0 to _____ Thickness _____					
	2nd 0l. gravelly loamy sands Depth from 13 to 24 Thickness 11	2nd Depth from _____ to _____ Thickness _____	2nd Depth from _____ to _____ Thickness _____					
	3rd Depth from _____ to _____ Thickness _____	3rd Depth from _____ to _____ Thickness _____	3rd Depth from _____ to _____ Thickness _____					
	4th Depth from _____ to _____ Thickness _____	4th Depth from _____ to _____ Thickness _____	4th Depth from _____ to _____ Thickness _____					
Total Depth of Observation Hole 24	Total Depth of Observation Hole _____	Total Depth of Observation Hole _____						
Depth from top of ORIGINAL MINERAL SOIL	Maximum Seasonal High Ground None evident Water Table Depth 12	Maximum Seasonal High Ground None evident Water Table Depth _____	Maximum Seasonal High Ground None evident Water Table Depth _____					
	Depth to Restrictive Layer <input checked="" type="checkbox"/> None evident	Depth to Restrictive Layer <input type="checkbox"/> None evident	Depth to Restrictive Layer <input type="checkbox"/> None evident					
	Depth to Bedrock 24 <input type="checkbox"/> None evident	Depth to Bedrock <input type="checkbox"/> None evident	Depth to Bedrock <input type="checkbox"/> None evident					
PROFILE	CONDITION	SLOPE	PROFILE	CONDITION	SLOPE	PROFILE	CONDITION	SLOPE
4	A	6%			%			%

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

TYPE OF SYSTEM: Combined System Separated System

TREATMENT TANK: Septic Tank Aerobic Tank

Size: 1000 Gals

DOSEAGE: Pumping is not required Pumping is required

Subsurface Disposal Area/Type: Trench Disposal Area Bed Disposal Area

Bed Disposal Area: Total bed area 500 sq. ft., Number of beds 1, Width 20 ft, Length 25 ft

SYSTEM SIZE RATING: Small Medium Medium Large Large Extra Large

DISPOSAL AREA ELEVATION: Depth of Upslope Fill required 32 inches, Depth of Downslope Fill required 48 inches

Reference Elevation Point established at 100.00 Elevation

Disposal Area Bottom to be established at 100.00 Elevation

Top of Distribution Lines or Top of Chamber 101.00 Elevation

Yes 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.

Yes 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.

FOR USE BY SITE EVALUATOR: On 7-22-81 (date), a site investigation for this project was completed. 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.

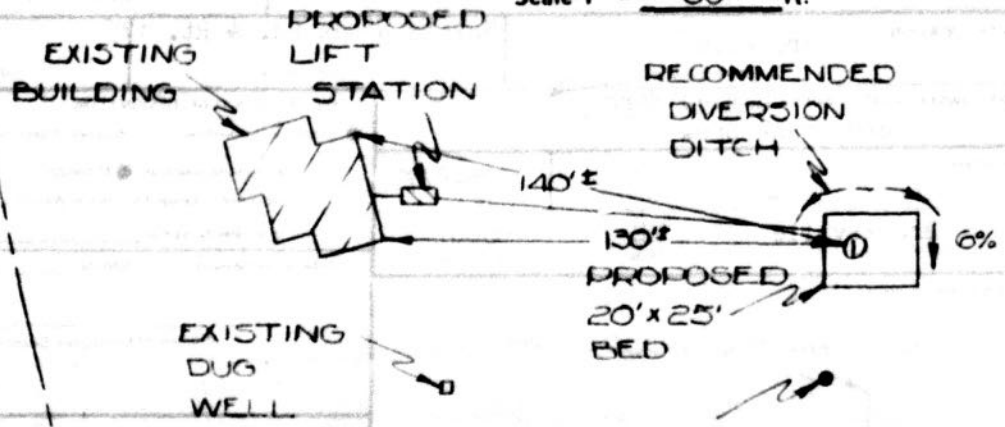
Signature of Site Evaluator: *Gregory Stephens*, Date signed: 7-23-81, Site Evaluator License Number: 96

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 application is reason to deny a permit to install a disposal system and that the permit is valid for a six (6) month period from the date of permit issuance. I also understand that this permit is a condition of the permit.

Signature of Owner/Applicant: *Edith A. Ware*

Site Plan

Scale 1" = 50 ft.



ELEVATION POINT - NAIL IN 2FT PINE TREE. BOTTOM OF STONE TO BE AT ELEVATION OF NAIL. TOP OF DISTRIBUTION PIPES TO BE 1'-0" ABOVE NAIL.

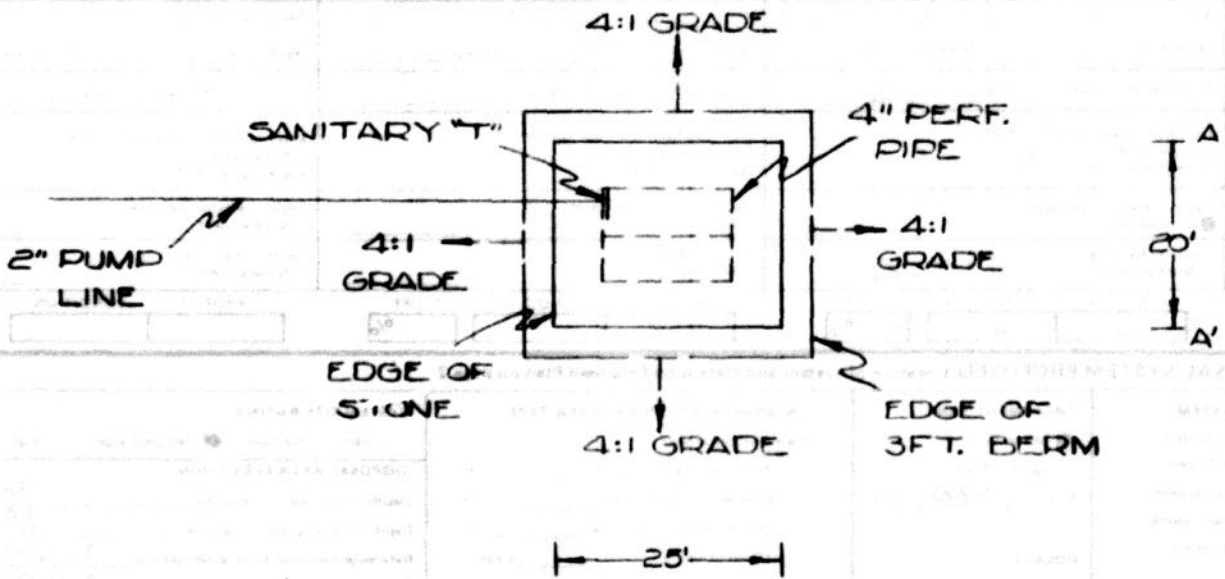
RT. 175

● Designates Elevation Reference Point (ERP)

○ Designates Observation Hole (TP or B)

Subsurface Wastewater Disposal Plan

Scale 1" = 20'

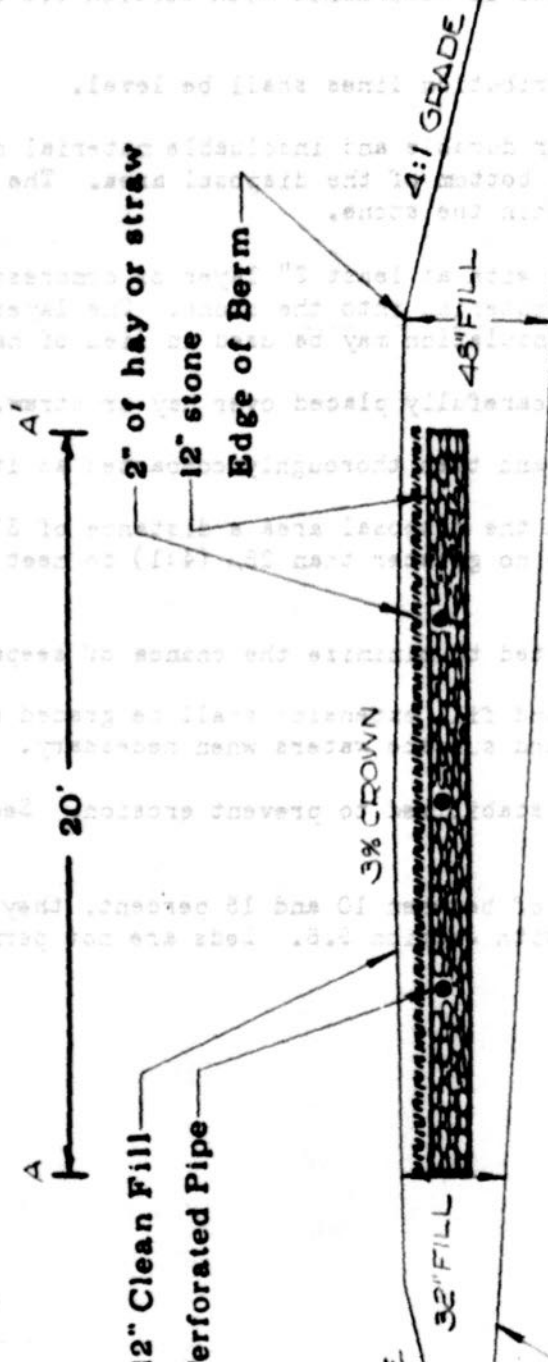


Subsurface Wastewater Disposal Area Cross-section

Scale: Vertical: 1" = _____
Horizontal: 1" = _____

SEE ATTACHED CROSS SECTION A-A'

BED CROSS-SECTION



Original Surface
Average Slope 6%
Dimensions 20' x 25'
reverse side for bed
construction standards

NAME: CHARLES WARE	SCALE: 1" = 5'
TOWN: BROOKLINE	DATE: 7-23-61
NOTES:	
2" PUMP LINE TO BE INSULATED IF LESS THAN 4'-0" BELOW GROUND SURFACE	

1. The vegetation shall be removed from the ground surface under the disposal and fill area.
2. Surface areas under the bed and fill extensions should be scarified or tilled to minimize soil glazing.
3. Wastewater from the treatment tank or distribution box shall be discharged to the bed by means of:
 - A. GRAVITY - a watertight pipe at least 4 inches in diameter with a pitch of at least 1/16 inch per foot.
 - B. PRESSURE - a watertight pipe at least 1 1/2 inches in diameter. A watertight pipe of at least 2 inches shall be installed if pumping solids.
4. The distribution lines shall consist of perforated pipe, wooden vee plank or agricultural tile meeting the requirements of Section 8.4 and Table 6-1.
5. The distribution system shall be designed to equally distribute wastewater in the disposal area. Distribution lines shall be equally spaced in the disposal area. The lines shall be no farther than 5' from the sidewall and a maximum of 6.5' apart. A bed width 10' to 15' requires 2 pipes; a bed width 2' to 10' requires 1 pipe; a bed width 15' to 20' requires pipes.
6. A distribution box may be used to distribute equal volumes of wastewater into separate beds or beds may be connected in series in accordance with Section 9.5 relating to serial distribution.
7. The bottom of the stone and the distribution lines shall be level.
8. At least 10" of clean stone or similar durable and insoluble material of uniform size 3/4" to 3" shall be used in the bottom of the disposal area. The distribution system shall be installed totally within the stone.
9. The stone shall be completely covered with at least 2" layer of compressed hay or straw to prevent sifting of backfill material into the stone. One layer of Dupont "Tygar" (4 oz.) or 2" of fiberglass insulation may be used in lieu of hay or straw.
10. 8" to 12" of clean backfill shall be carefully placed over hay or straw.
11. Clean fill is to be placed in 8" layers and then thoroughly compacted as it is placed.
12. The surface of fill shall extend from the disposal area a distance of 3' at a 3% slope, then sloped on a uniform grade no greater than 25% (4:1) to meet the original ground.
13. The fill between beds shall be compacted to minimize the chance of seepage.
14. The perimeter of the disposal area and fill extension shall be graded and diversion ditches installed to divert ground and surface waters when necessary.
15. The disposal area and fill shall be stabilized to prevent erosion. See Appendix for alternatives.
16. When beds are constructed on slopes of between 10 and 15 percent, they may be serially distributed in accordance with Section 9.6. Beds are not permitted on slopes greater than 15 percent.

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 Brooklin

Town Code 09050

Permit No. 36814E

Date Permit Issued _____
month/day/yr.

Property Owner's Name: Charles Ware Tel. No. _____

System's Location: Rt. 175
Street

Brooklin MAINE 04607
Town Zip

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

_____ State Zip
Town

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.

Edith H. Ware
Property Owner's Signature

8/10/81
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"		12 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'	50'	
	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:

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.

Gregory Perkins
Site Evaluator's Signature

7-23-81
Date

LPI Statement

I, Cubrey P. Allen, LPI for the Town of Brookline, 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):

I 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:
 I find that one or more of the requested Variances exceeds my approval authority as LPI. I (do not 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:

Cubrey P. Allen
LPI's Signature

Aug 18, 1981
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