

Bill on Gray
Joyce 445-2848

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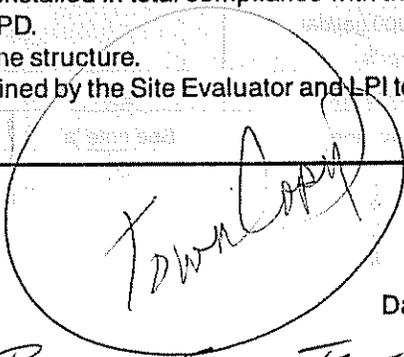
REPLACEMENT SYSTEM VARIANCE REQUEST

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. 2555 E Town of Augusta

Date Permit Issued 10/19/92
MONTH/DAY/YEAR

Property Owner's Name: Ruth Brewer Estate Trust Tel. No. _____

System's Location: 463 Riverside Dr.
STREET

Augusta TOWN Maine 09330 ZIP

Property Owner's Address: Joyce Gray Trustee P.O. Box 291
(if different from above) STREET

South China TOWN ME 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.

Joyce E. Gray
PROPERTY OWNER'S SIGNATURE

10/17/92
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"		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'		
	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 3:1 175 FEET NEEDED TO AVOID PROPERTY LINE
2. _____
3. _____

Footnotes:

- This setback distance cannot be reduced by variance. See Table 6-2.
- 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.
- Sufficient distance shall be maintained to assure that the toe of the fill does not extend to the 3:1 slope.

Jim Richard
SITE EVALUATOR'S SIGNATURE

10-15-92
DATE

LPI STATEMENT

I, Ray D. Luby, LPI for the Town of Arroyo 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: _____

Ray D. Luby
LPI'S SIGNATURE

10/19/92
DATE

FOR USE BY THE DEPARTMENT ONLY

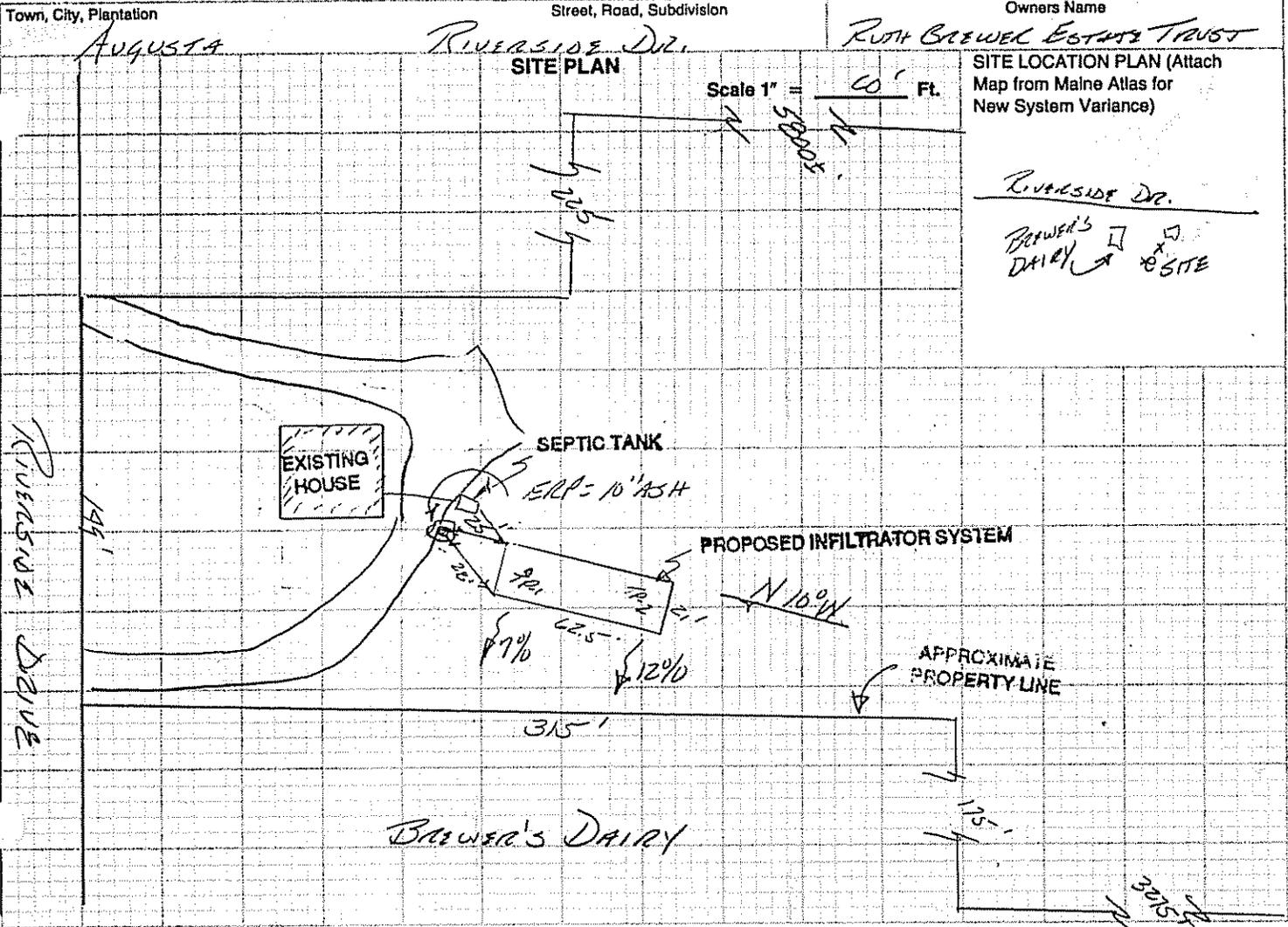
The Department has reviewed the variance(s) and (does does not) give its approval. Any additional requirements, recommendations, or reasons for the Variance denial, are given in the attached letter.

SIGNATURE OF THE DEPARTMENT

DATE

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services
Division of Health Engineering



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	GRAVELLY	FRIABLE	BROWN	NONE EVIDENT
6	SANDY LOAM		REDDISH BROWN	
10				
15				
20		FIRM		FEW FAINT
30			OLIVE BROWN	
40				
50				

Soil Profile: 3 Classification: C Slope: 7% Limiting Factor: 24"

Ground Water
 Restrictive Layer
 Bedrock

Observation Hole TP-2 Test Pit Boring
N/A " Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (Inches)	Texture	Consistency	Color	Mottling
0	GRAVELLY	FRIABLE	BROWN	NONE EVIDENT
6	SANDY LOAM		REDDISH BROWN	
10				
15				
20		FIRM		FEW FAINT
30			OLIVE BROWN	
40				
50				

Soil Profile: 3 Classification: C Slope: 12% Limiting Factor: 24"

Ground Water
 Restrictive Layer
 Bedrock

Ann Richard
Site Evaluator Signature

181
SE#

10-15-92
Date

106 L47

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

PROPERTY ADDRESS

Town Or Plantation: AUGUSTA

Street / Subdivision Lot #: RIVERSIDE DR.

PROPERTY OWNERS NAME

RUTH BREWER ESTATE TRUST

Last: _____ First: _____

Applicant Name: JOYCE GRAY - TRUSTEE

Mailing Address of Owner/Applicant (If Different): P.O. Box 241
S. CHINA, ME

Caution: Permit Required

AUGUSTA 2555 TOWN COPY

Date Permit Issued: 10/19/92 \$ 168.00 FEE Double Fee Charged

Local Plumbing Inspector Signature: Ray R. Smith L.P.I. # 857

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: Joyce Gray Date: 10/17/92

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: Ray R. Smith Date Approved: 10/27/92

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)

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 _____

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

IF REPLACEMENT SYSTEM:

YEAR FAILING SYSTEM INSTALLED: 1980

THE FAILING SYSTEM IS:

1. BED 3. TRENCH

2. CHAMBER 4. OTHER: _____

SIZE OF PROPERTY: 11 1/2 ACRES

ZONING: RESIDENTIAL / COMMERCIAL

TYPE OF WATER SUPPLY

AUGUSTA WATER DISTRICT

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

TREATMENT TANK

1. SEPTIC: Regular Low Profile*

2. AEROBIC *SEE NOTE

SIZE: 1500 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: _____ GALS.

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

3 - 1 BEDROOM APPTS @ 120 GPD

1 - 2 BEDROOM APPT @ 120 GPD

DESIGN FLOW: 540 GPD
(GALLONS/DAY)

SOIL CONDITIONS USED FOR DESIGN PURPOSES

PROFILE	CONDITION
<u>3</u>	<u>C</u>

DEPTH TO LIMITING FACTOR: 29.

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 1000 Sq. Ft.
 REGULAR H-20

3. TRENCH _____ Linear Ft.

4. OTHER: _____

SITE EVALUATOR STATEMENT

On 10-8-92 (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.

Site Evaluator Signature: Jim Richard SE#: 181 Date: 10-15-92

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

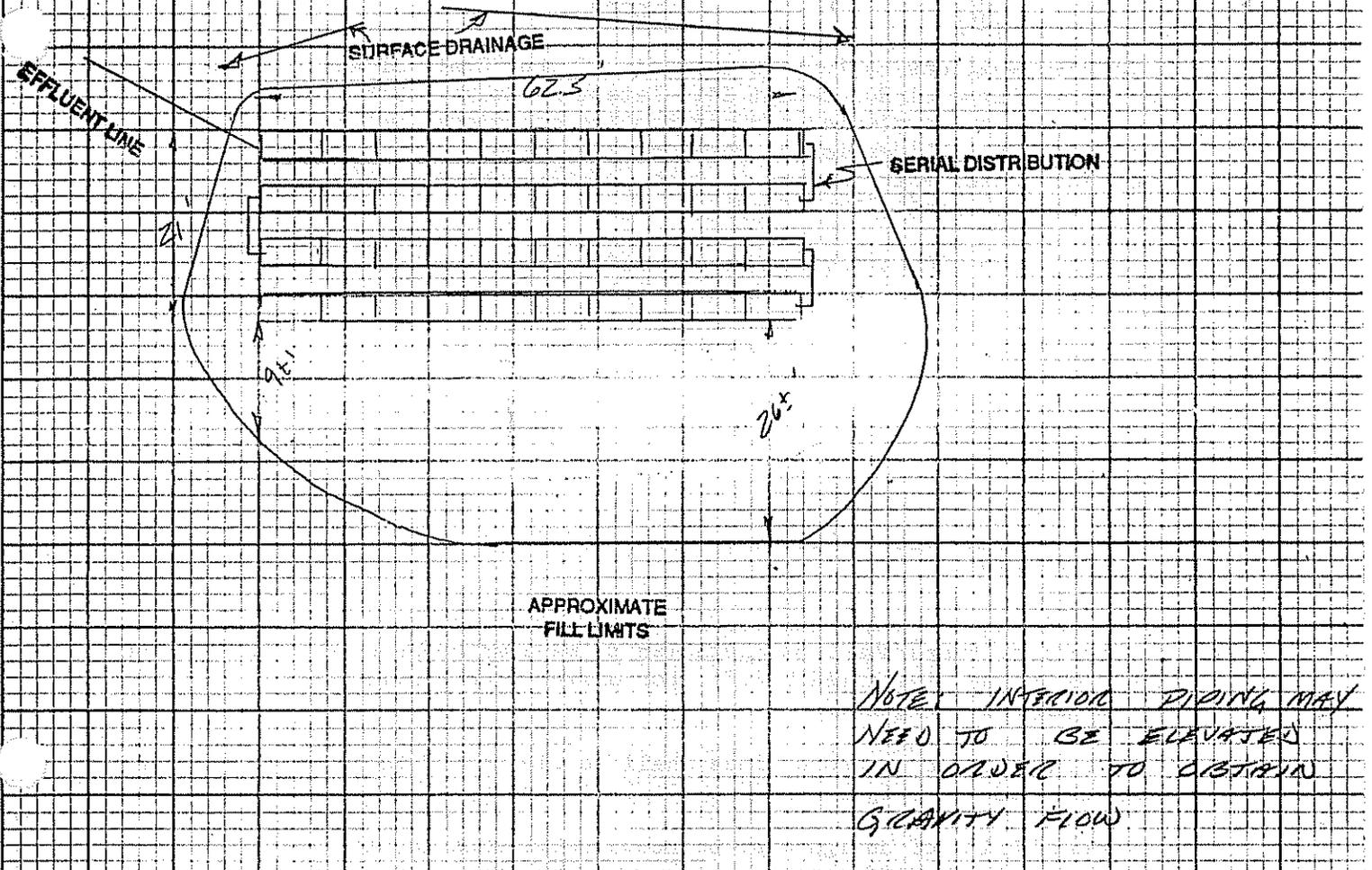
SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services
Division of Health Engineering

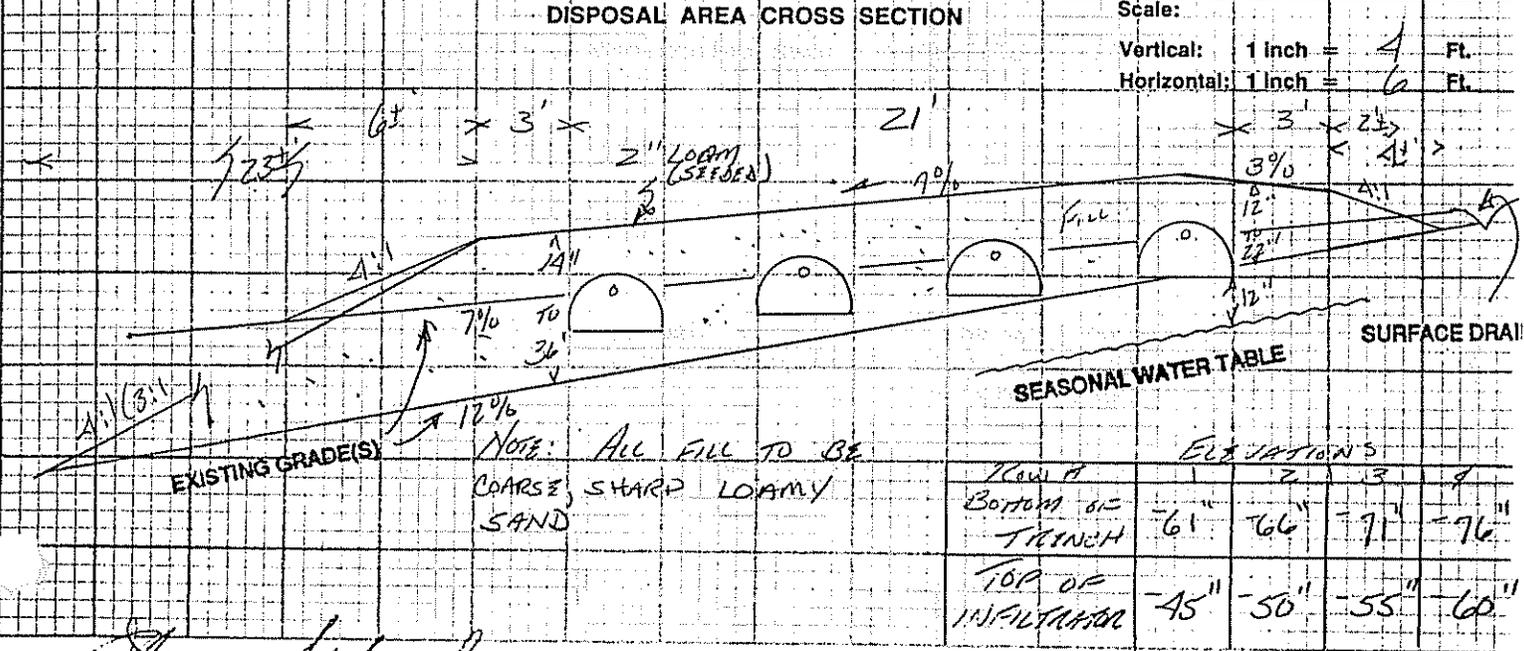
Town, City, Plantation: ARCHARD Street, Road, Subdivision: RIVERSIDE DR Owners Name: RUTH BREWER ESTATE TRUS

SUBSURFACE WASTEWATER DISPOSAL PLAN

Scale 1" = 20' FL.



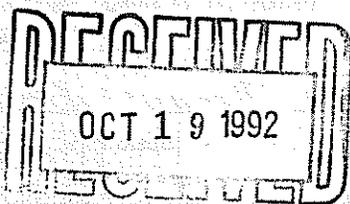
FILL REQUIREMENTS	CONSTRUCTION ELEVATIONS	ELEVATION REFERENCE POINT LOCATION & DESCRIPTION
Depth of Fill (Upslope) <u>12'-22"</u>	Reference Elevation Is <u>00"</u>	
Depth of Fill (Downslope) <u>14'-36"</u>	Bottom of Disposal Area <u>SEE BELOW</u>	<u>FLAGGED NAIL IN 10"</u>
	Top of Distribution Lines or Chambers	<u>ASH TREE 23" ABOVE GROUND</u>



John Hubbard
Site Evaluator Signature

181
SE#

10-15-92
Date



NOTES

1. Site evaluations conform to criteria of the "State of Maine-Subsurface Wastewater Disposal Rules-Chart 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-Chart 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 uninterrupted service during repair duplex pumps are required.
7. Force mains and pressure lines shall be flushed of foreign 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 3' 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 acknowledges their understanding of the "Notes".