

# 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. #1782 E Town of Augusta  
Date Permit Issued 11/7/89  
MONTH/DAY/YEAR  
Property Owner's Name: JAMES MASON Tel. No. \_\_\_\_\_  
System's Location: ALLEN WOOD PARK STREET  
Augusta TOWN Maine 04330 ZIP  
Property Owner's Address: R-1, B-182 STREET  
(if different from above) GARDINER TOWN ME STATE 04345 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.

James Mason  
PROPERTY OWNER'S SIGNATURE

11/7/89  
DATE

VARIANCE CATEGORY	VARIANCE REQUESTED	LIMIT OF LPI'S APPROVAL AUTHORITY		VARIANCE REQUESTED TO:	
		TREATMENT TANK	DISPOSAL AREA	TREATMENT TANK	DISPOSAL AREA
SOILS					
Soil Profile	Ground Water Table		to 6"		inches
Soil Condition	Restrictive Layer		to 6"		inches
from HHE-200	Bedrock		to 10"		inches
SETBACK DISTANCES (IN FEET)	FROM:				
Potable Water Supplies	1. Well: > 2000 gal/day	100 <sup>a</sup>	300 <sup>a</sup>		
	2. Well: < 2000 gal/day				
	a. Neighbor's	50 <sup>b</sup>	60 <sup>b</sup>		
	b. Property Owner's	25'	50'		
	3. Water Supply Line	See note 'a'			
Waterbodies	1. Perennial	50'	60'		60
	2. Intermittent	15'	20'		
	3. Manmade drainage ditch	10'	15'		
Downhill Slope	Greater than 3:1 (33%)	5 <sup>c</sup>	10 <sup>c</sup>		
Buildings	1. With Basement	5'	10'		
	2. Without Basement	5'	10'		
Property Line		4'	5'		5

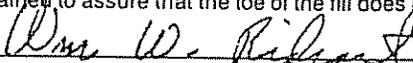
**OTHER**

1. ~~Fill extension Grade to 3:1~~

2.

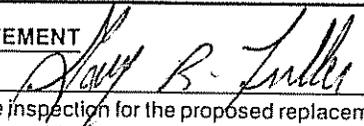
Footnotes:

- 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.

  
 SITE EVALUATOR'S SIGNATURE

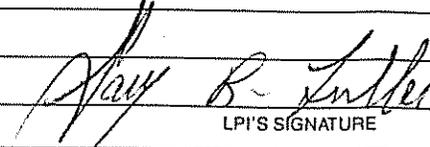
10/17/89  
 DATE

**LPI STATEMENT**

I,  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: \_\_\_\_\_

  
 LPI'S SIGNATURE

11/7/89  
 DATE

**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

10179845

PROPERTY ADDRESS	
Town Or Plantation	Augusta
Street	Allenwood Park
PROPERTY OWNER'S NAME	
Last: Mason	First: James
Applicant Name:	James Mason
Mailing Address of Owner/Applicant (If Different)	R-1, B-182 Gardiner Me 04345

AUGUSTA		1782	TOWN COPY
Date Permit Issued	11/17/89	\$410.00	<input type="checkbox"/> Double Fee Charged
Local Plumbing Inspector Signature		L.P.I. #	8157

**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: James Mason Date: 10/25/89

**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: Mary R. Fuller Date Approved: 5-25-90

PERMIT INFORMATION		
<b>THIS APPLICATION IS FOR:</b> 1. <input type="checkbox"/> NEW SYSTEM 2. <input checked="" type="checkbox"/> REPLACEMENT SYSTEM 3. <input type="checkbox"/> EXPANDED SYSTEM 4. <input type="checkbox"/> EXPERIMENTAL SYSTEM	<b>THIS APPLICATION REQUIRES:</b> 1. <input type="checkbox"/> NO RULE VARIANCE 2. <input type="checkbox"/> NEW SYSTEM VARIANCE Attach New System Variance Form 3. <input checked="" type="checkbox"/> REPLACEMENT SYSTEM VARIANCE Attach Replacement System Variance Form a. <input checked="" type="checkbox"/> Requires Local Plumbing Inspector Approval b. <input type="checkbox"/> Requires State and Local Plumbing Inspector Approval 4. <input type="checkbox"/> MINIMUM LOT SIZE VARIANCE	<b>INSTALLATION IS:</b> COMPLETE SYSTEM 1. <input checked="" type="checkbox"/> NON-ENGINEERED SYSTEM 2. <input type="checkbox"/> PRIMITIVE SYSTEM (Includes Alternative Toilet) 3. <input type="checkbox"/> ENGINEERED (+ 2000 gpd) INDIVIDUALLY INSTALLED COMPONENTS 4. <input type="checkbox"/> TREATMENT TANK (ONLY) 5. <input type="checkbox"/> HOLDING TANK _____ GAL. 6. <input type="checkbox"/> ALTERNATIVE TOILET (ONLY) 7. <input type="checkbox"/> NON-ENGINEERED DISPOSAL AREA (ONLY) 8. <input type="checkbox"/> ENGINEERED DISPOSAL AREA (ONLY) 9. <input type="checkbox"/> SEPARATED LAUNDRY SYSTEM
<b>SEASONAL CONVERSION</b> to be completed by the LPI 5. <input type="checkbox"/> SYSTEM COMPLIES WITH RULES 6. <input type="checkbox"/> CONNECTED TO SANITARY SEWER 7. <input type="checkbox"/> SYSTEM INSTALLED - P# _____ <input type="checkbox"/> SYSTEM DESIGN RECORDED AND ATTACHED	<b>DISPOSAL SYSTEM TO SERVE:</b> 1. <input checked="" type="checkbox"/> SINGLE FAMILY DWELLING 2. <input type="checkbox"/> MODULAR OR MOBILE HOME 3. <input type="checkbox"/> MULTIPLE FAMILY DWELLING 4. <input type="checkbox"/> OTHER _____ SPECIFY _____	<b>TYPE OF WATER SUPPLY</b> Drilled Well
<b>IF REPLACEMENT SYSTEM:</b> YEAR FAILING SYSTEM INSTALLED ? _____ THE FAILING SYSTEM IS 1. <input type="checkbox"/> BED      3. <input type="checkbox"/> TRENCH 2. <input type="checkbox"/> CHAMBER      4. <input checked="" type="checkbox"/> OTHER <u>unknown</u>	SIZE OF PROPERTY: <u>3/4 Ac+-</u> ZONING: <u>Residential</u>	

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)			
<b>TREATMENT TANK</b> 1. <input checked="" type="checkbox"/> SEPTIC: <input checked="" type="checkbox"/> Regular <input type="checkbox"/> Low Profile 2. <input type="checkbox"/> AEROBIC SIZE: <u>1000+750</u> GALS.	<b>WATER CONSERVATION</b> 1. <input checked="" type="checkbox"/> NONE 2. <input type="checkbox"/> LOW VOLUME TOILET 3. <input type="checkbox"/> SEPARATED LAUNDRY SYSTEM 4. <input type="checkbox"/> ALTERNATIVE TOILET SPECIFY _____	<b>PUMPING</b> 1. <input type="checkbox"/> NOT REQUIRED 2. <input type="checkbox"/> MAY BE REQUIRED (DEPENDING ON TREATMENT TANK LOCATION & ELEVATION) 3. <input checked="" type="checkbox"/> REQUIRED DOSE: <u>72</u> GALS.	<b>CRITERIA USED FOR DESIGN FLOW (BEDROOMS, SEATING EMPLOYEES, WATER RECORDS, ETC.)</b> 3 Bedroom
<b>SOIL CONDITIONS USED FOR DESIGN PURPOSES</b> PROFILE: <u>3</u> CONDITION: <u>C</u> DEPTH TO LIMITING FACTOR: <u>16</u> "	<b>SIZE RATINGS USED FOR DESIGN PURPOSES</b> 1. <input type="checkbox"/> SMALL 2. <input type="checkbox"/> MEDIUM 3. <input checked="" type="checkbox"/> MEDIUM-LARGE 4. <input type="checkbox"/> LARGE 5. <input type="checkbox"/> EXTRA-LARGE	<b>DISPOSAL AREA TYPE/SIZE</b> 1. <input type="checkbox"/> BED _____ Sq. Ft. 2. <input checked="" type="checkbox"/> CHAMBER <u>525</u> Sq. Ft. <input checked="" type="checkbox"/> REGULAR <input type="checkbox"/> H-20 3. <input type="checkbox"/> TRENCH _____ Linear Ft. 4. <input type="checkbox"/> OTHER: _____	<b>DESIGN FLOW:</b> <u>300</u> (GALLONS/DAY)

**E EVALUATOR STATEMENT**  
 On 10/17/89 (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: Wm W. Richard SE# 51 Date: 10/17/89

Approved for use as HHE 200 by Division of Health Engineering 9/87

# SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

10179845

Town, City, Plantation

Street, Road, Subdivision

Owner's Name

Augusta

Allenwood Park

Mason, James

## SITE PLAN

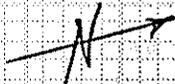
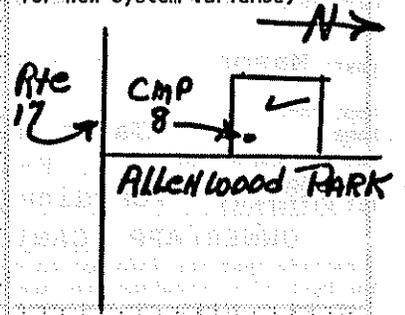
Scale: 1" = 50 Ft.  
or as shown

## SITE LOCATION PLAN

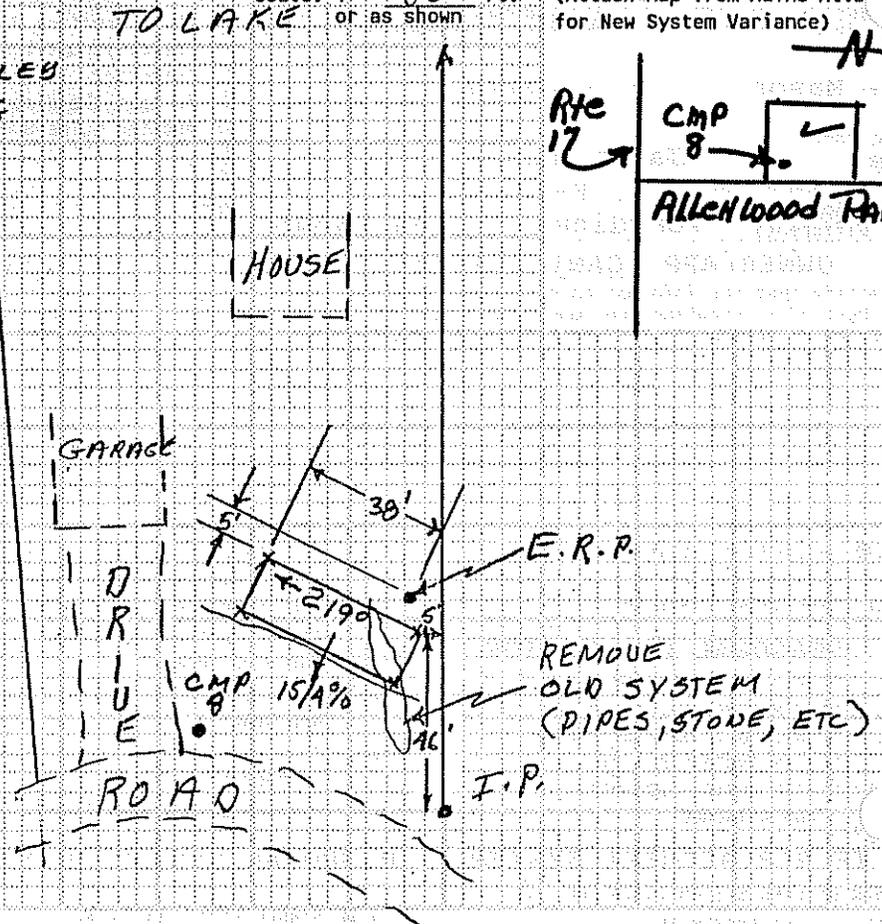
(Attach Map from Maine Atlas for New System Variance)

AN ADDITIONAL 1750 GAL TANK SHOULD BE INSTALLED AFTER OUTLET OF EXISTING 1000 GAL TANK DUE TO BASEMENT EJECTOR PUMP

TO LAKE



X = FLAGS MARK APPROX CORNERS OF SYSTEM



## SOIL DESCRIPTION AND CLASSIFICATION

(Location of Observation Holes Shown Above)

Observation Hole 1  Test Pit  Boring  
72 " Depth of Organic Horizon Above Mineral Soil

Inches	Texture	Consistency	Color	Mottling
0	S.L.	FRIABLE	B	
6				
10				
15				
20	G.t.	FIRM	G.B.	
30				
40				
50				

Soil Classification 3 Slope 15/4% Limiting Factor 16  Ground Water  
 Profile Condition C  Restr. Layer  Bedrock

Observation Hole \_\_\_\_\_  Test Pit  Boring  
 \_\_\_\_\_ " Depth of Organic Horizon Above Mineral Soil

Inches	Texture	Consistency	Color	Mottling
0				
6				
10				
15				
20				
30				
40				
50				

Soil Classification \_\_\_\_\_ Slope \_\_\_\_\_ % Limiting Factor \_\_\_\_\_  Ground Water  
 Profile Condition \_\_\_\_\_  Restr. Layer  Bedrock

*Wm. W. Richard*  
 Site Evaluator Signature

51  
SE#

10/17/89  
Date

Approved for use as  
 HHE 200 by Division of  
 Health Engineering 9/87

# SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services  
Division of Health Engineering

Town, City, Plantation

Street, Road, Subdivision

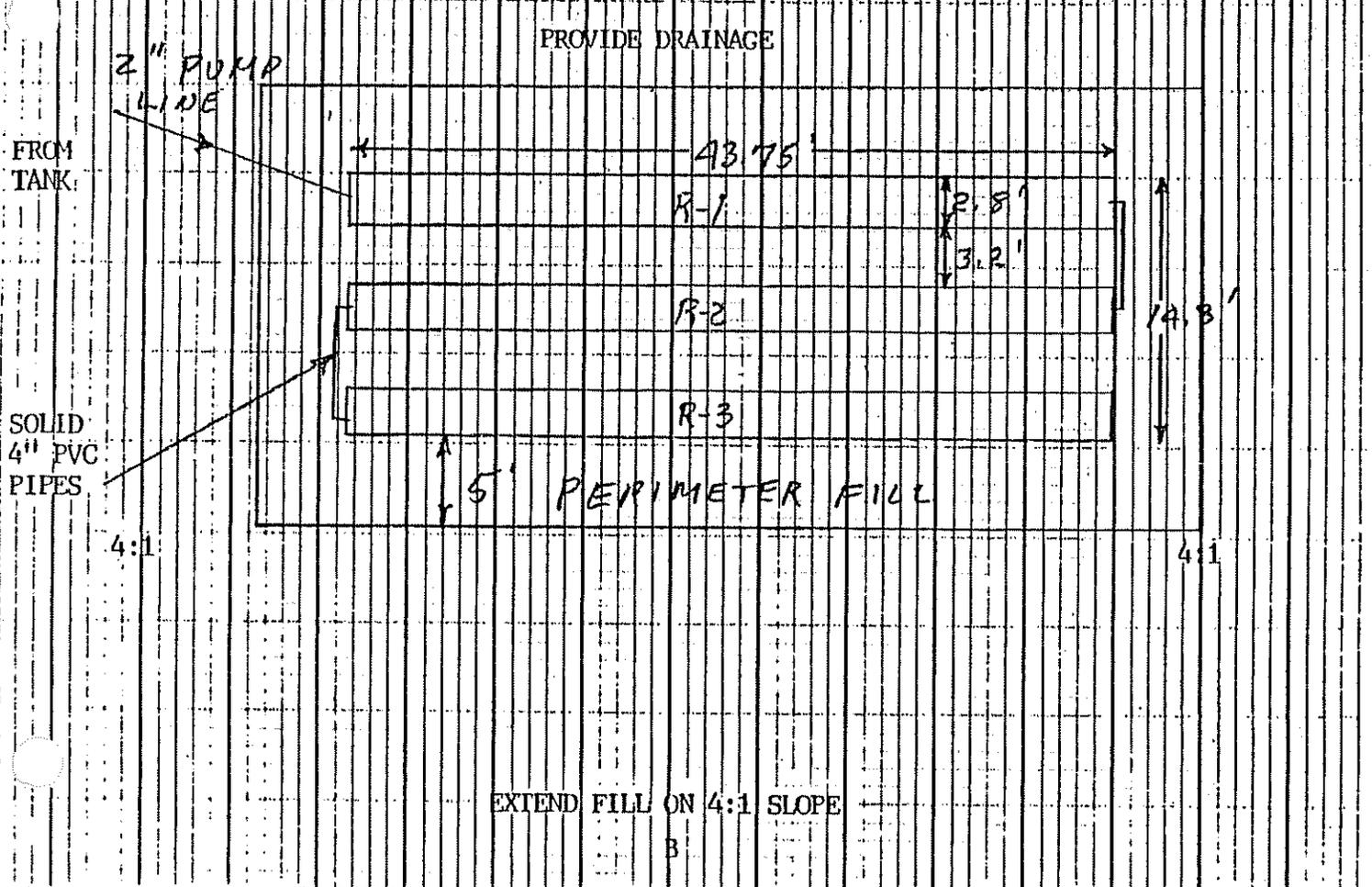
Owners Name

**Augusta**

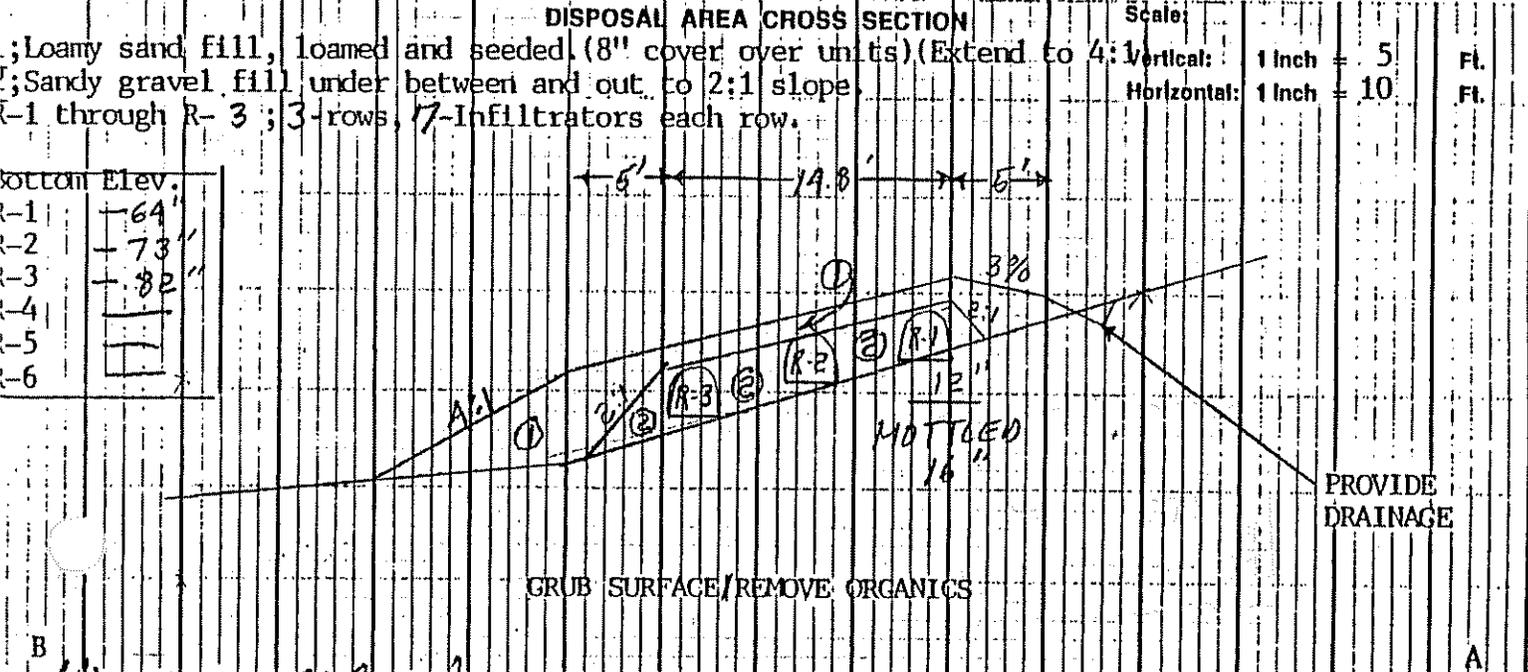
**Allenwood Park**  
SUBSURFACE WASTEWATER DISPOSAL PLAN

**Mason, James**

Scale 1" = 10' or as shown



FILL REQUIREMENTS	CONSTRUCTION ELEVATIONS	ELEVATION REFERENCE POINT LOCATION & DESCRIPTION
Depth of Fill (Upslope)	19'	Reference Elevation is Row 1 only? <input checked="" type="checkbox"/>
Depth of Fill (Downslope)	30'	Bottom of Disposal Area All rows? <u>-64"</u>
		Top of Distribution Lines or Chambers <u>-49"</u> <b>NAIL IN 8" BIRCH</b>



Bottom Elev.	
-1	-64"
-2	-73"
-3	-82"
-4	
-5	
-6	

*Wm. W. Robert*  
Site Evaluator Signature

51  
SE#

10/17/89  
Date