

1023-1123, m80 420  
Earl Kenny

# 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.

TOWN CPM

### GENERAL INFORMATION

Town of AUGUSTA

Permit No. 2900 E

Date Permit Issued 11/14/94  
MONTH/DAY/YEAR

Property Owner's Name: STEVE WOOD

Tel. No. 377-8543

System's Location: MIDDLE ROAD STREET

AUGUSTA TOWN Maine 04330 ZIP

Property Owner's Address: ~~WESTERS AVE~~ RT #41 STREET  
(if different from above)

WINTHROP TOWN ME STATE 04364 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.

[Signature]  
PROPERTY OWNER'S SIGNATURE

11/12/94  
DATE

VARIANCE CATEGORY	VARIANCE REQUESTED	LIMIT OF LPI'S APPROVAL AUTHORITY		VARIANCE REQUESTED TO:	
<b>SOILS</b>					
Soil Profile	Ground Water Table	to 6" <i>ORIGINAL</i>		6 inches	
Soil Condition	Restrictive Layer	to 6"		inches	
from HHE-200	Bedrock	to 10"		inches	
<b>SETBACK DISTANCES (IN FEET)</b>	<b>FROM:</b>	<b>TREATMENT TANK</b>	<b>DISPOSAL AREA</b>	<b>TREATMENT TANK</b>	<b>DISPOSAL AREA</b>
Potable Water Supplies	1. Well: > 2000 gal/day	100'	300'		
	2. Well: < 2000 gal/day				
	a. Neighbor's	50'	60'		
	b. Property Owner's	25'	50'	60'	80'
	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'	10'		
Buildings	1. With Basement	5'	10'		
	2. Without Basement	5'	10'		
Property Line		4'	5'		

**OTHER**

1. Fill extension Grade—to 3:1

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.

*Stephen P. Robbins*

SITE EVALUATOR'S SIGNATURE

*26 JUNE 93*

DATE

**LPI STATEMENT**

I, *Wayne R. L. Mc*, 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:

*Wayne R. L. Mc*

LPI'S SIGNATURE

*1/14/94*

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 Subdivision Lot #: MIDDLE ROAD

**PROPERTY OWNERS NAME**

Last: WOOD First: STEVE

Applicant Name: SAME

Mailing Address of Owner/Applicant (If Different): RT #41 WINTHROP ME 04364

**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: [Signature] Date: 1/13/94

**PERMIT INFORMATION**

AUGUSTA Country Permit No. 2900 TOWN COPY

Date Permit Issued: 1/14/94 \$ 60 FEE  Double Fee Charged

Local Plumbing Inspector Signature: [Signature] L.P.I. #: 85, D

**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: [Signature] Date Approved: \_\_\_\_\_

**PERMIT INFORMATION**

**THIS APPLICATION IS FOR:**

- NEW SYSTEM
- REPLACEMENT SYSTEM
- EXPANDED SYSTEM
- EXPERIMENTAL SYSTEM

**SEASONAL CONVERSION**  
 to be completed by the LPI

- SYSTEM COMPLIES WITH RULES
- CONNECTED TO SANITARY SEWER
- SYSTEM INSTALLED - P# \_\_\_\_\_
- SYSTEM DESIGN RECORDED AND ATTACHED

**IF REPLACEMENT SYSTEM:**  
 YEAR FAILING SYSTEM INSTALLED \_\_\_\_\_  
 THE FAILING SYSTEM IS:

- BED
- CHAMBER
- TRENCH
- OTHER: \_\_\_\_\_

**THIS APPLICATION REQUIRES:**

- NO RULE VARIANCE
- NEW SYSTEM VARIANCE  
 Attach New System Variance Form
- REPLACEMENT SYSTEM VARIANCE  
 Attach Replacement System Variance Form
  - Requiring Local Plumbing Inspector Approval
  - Requires State and Local Plumbing Inspector Approval
- MINIMUM LOT SIZE VARIANCE

**DISPOSAL SYSTEM TO SERVE:**

- SINGLE FAMILY DWELLING
- MODULAR OR MOBILE HOME
- MULTIPLE FAMILY DWELLING
- OTHER \_\_\_\_\_ SPECIFY \_\_\_\_\_

**INSTALLATION IS:**

**COMPLETE SYSTEM**

- NON-ENGINEERED SYSTEM
- PRIMITIVE SYSTEM  
 (Includes Alternative Toilet)
- ENGINEERED (+ 2000 gpd)

**INDIVIDUALLY INSTALLED COMPONENTS:**

- TREATMENT TANK (ONLY)
- HOLDING TANK \_\_\_\_\_ GAL
- ALTERNATIVE TOILET (ONLY)
- NON-ENGINEERED DISPOSAL AREA (ONLY)
- ENGINEERED DISPOSAL AREA (ONLY)
- SEPARATED LAUNDRY SYSTEM

**TYPE OF WATER SUPPLY**  
DRILLED WELL

SIZE OF PROPERTY: 21,000 sq ft ZONING: RURR RESIDENTIAL

**DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)**

**TREATMENT TANK**

- SEPTIC:  Regular  Low Profile
- AEROBIC

SIZE: 1,000 GALS.

**WATER CONSERVATION**

- NONE
- LOW VOLUME TOILET
- SEPARATED LAUNDRY SYSTEM
- ALTERNATIVE TOILET

SPECIFY: \_\_\_\_\_

**PUMPING**

- NOT REQUIRED
- MAY BE REQUIRED  
 (DEPENDING ON TREATMENT TANK LOCATION AND ELEVATION)
- REQUIRED

DOSE: \_\_\_\_\_ GALS.

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

**SOIL CONDITIONS USED FOR DESIGN PURPOSES**

PROFILE: 2 CONDITION: D

DEPTH TO LIMITING FACTOR: 6" ORIGINAL 37" WITH FILL

**SIZE RATINGS USED FOR DESIGN PURPOSES**

- SMALL
- MEDIUM
- MEDIUM-LARGE
- LARGE
- EXTRA LARGE

**DISPOSAL AREA TYPE/SIZE**

- BED 900 Sq. Ft.
- CHAMBER \_\_\_\_\_ Sq. Ft.
- TRENCH \_\_\_\_\_ Linear Ft.
- OTHER: \_\_\_\_\_

DESIGN FLOW: 360 (GALLONS/DAY)

**SITE EVALUATOR STATEMENT**

On 20 JULY 93 (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: [Signature] SE#: 301 Date: 20 JULY 93

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

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 HHE-200 Rev. 11/86

# SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services  
Division of Health Engineering

Town, City, Plantation

*AUGUSTA*

Street, Road, Subdivision

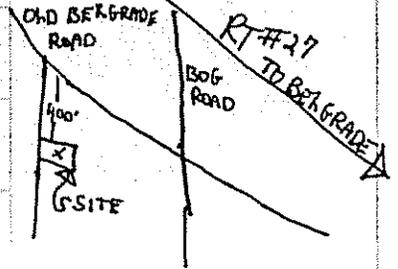
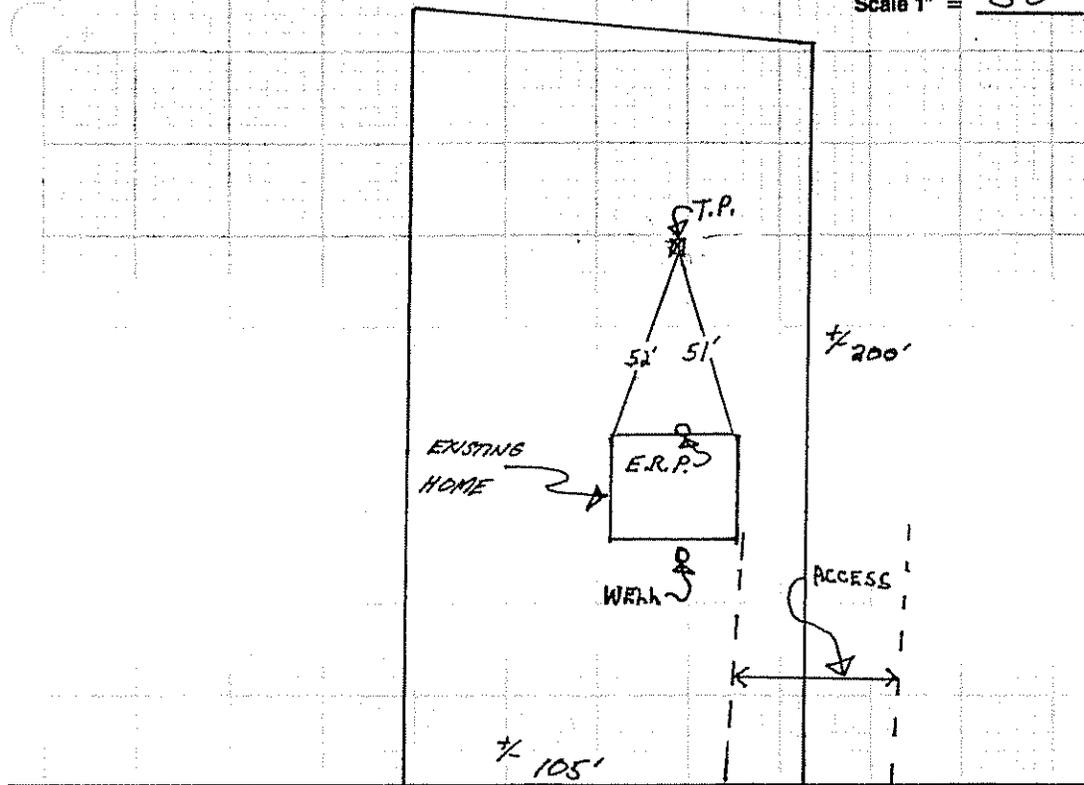
*MIDDLE ROAD*  
SITE PLAN

Owners Name

*STEVE WOOD*

Scale 1" = 50 Ft.

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



*MIDDLE ROAD*  $\swarrow$  *S 46° W*

## SOIL DESCRIPTION AND CLASSIFICATION

(Location of Observation Holes Shown Above)

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

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

DEPTH BELOW MINERAL SOIL SURFACE (Inches)	Texture	Consistency	Color	Mottling
0	GRAVEL		BROWN	
6	FINE SAND	FRIABLE	YELLOW	
10			BROWN	
15				
30	ORGANIC SANDY LOAM		BROWN RED BROWN	
40				COMMON
50	ORIGINAL			

DEPTH BELOW MINERAL SOIL SURFACE (Inches)	Texture	Consistency	Color	Mottling
0				
6				
10				
15				
20				
30				
40				
50				

Soil Profile 2 Classification D Slope 5 % Limiting Factor 37  Ground Water  Restrictive Layer  Bedrock

Soil Profile \_\_\_\_\_ Classification \_\_\_\_\_ Slope \_\_\_\_\_ % Limiting Factor \_\_\_\_\_  Ground Water  Restrictive Layer  Bedrock

*Steph Robison*  
Site Evaluator Signature

*301*  
SE#

*20 JULY 93*  
Date

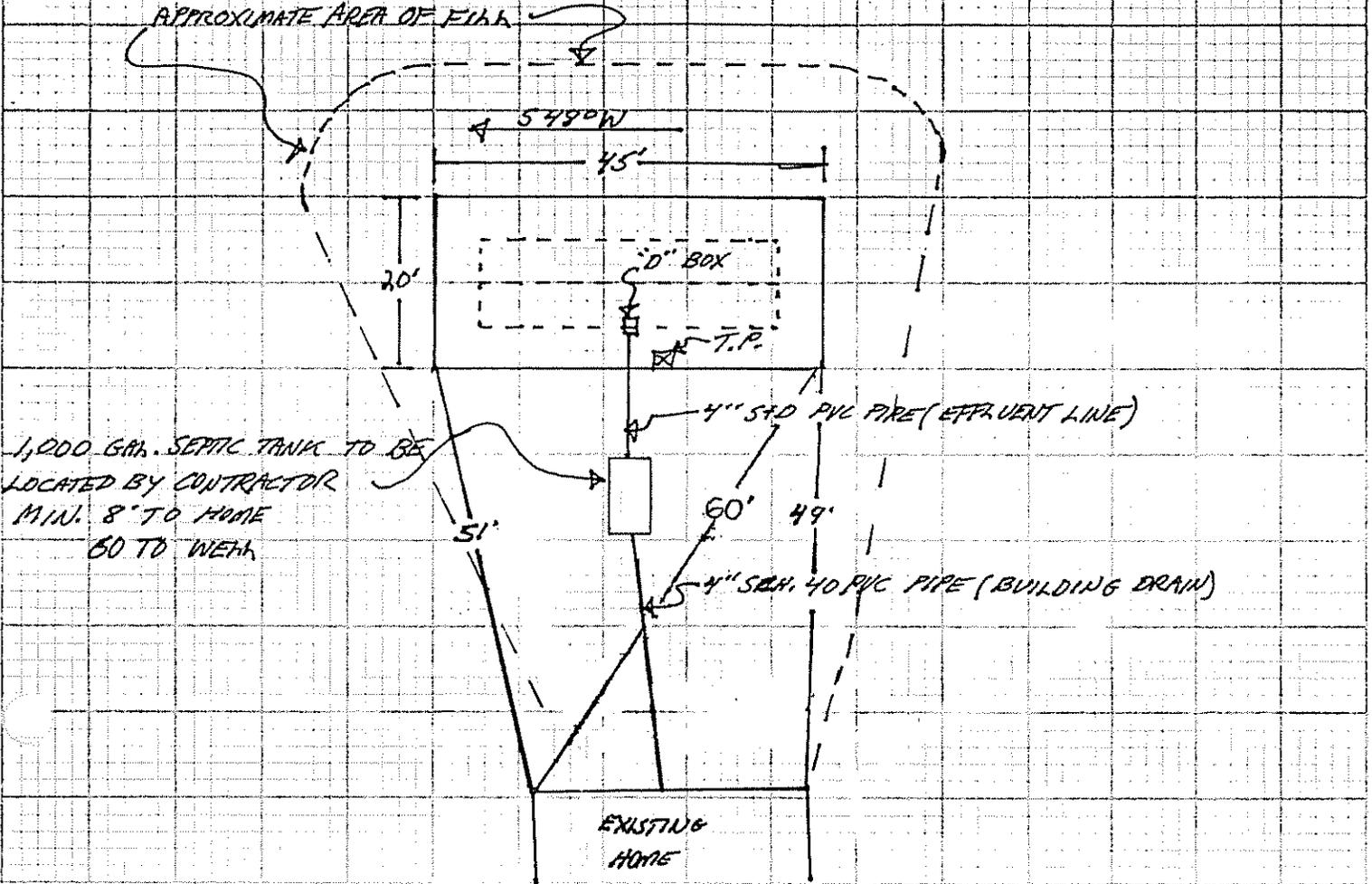
# SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Human Services  
Division of Health Engineering

Town, City, Plantation: **AUGUSTA** Street, Road, Subdivision: **MIDDLE ROAD** Owners Name: **STEVE WOOD**

## SUBSURFACE WASTEWATER DISPOSAL PLAN

Scale 1" = 20 Ft.



1,000 GPH. SEPTIC TANK TO BE LOCATED BY CONTRACTOR MIN. 8' TO HOME 60 TO WEAH

### FILL REQUIREMENTS

Depth of Fill (Upslope) 18"  
Depth of Fill (Downslope) 30"

### CONSTRUCTION ELEVATIONS

Reference Elevation Is 0  
Bottom of Disposal Area -70  
Top of Distribution Lines or Chambers -59

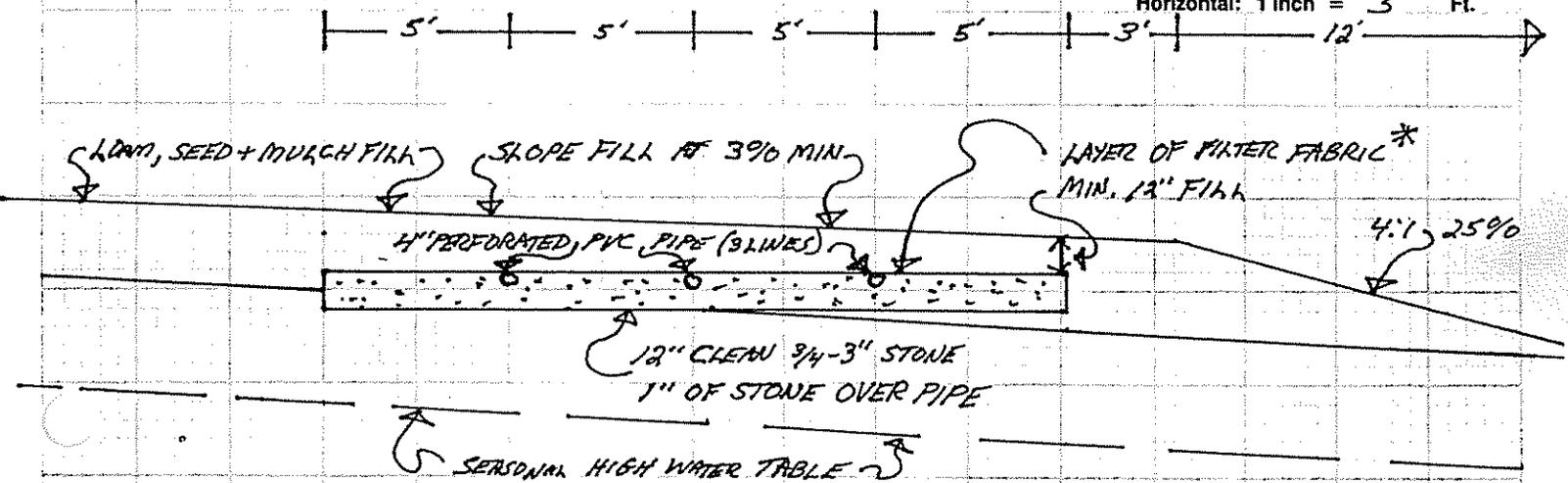
### ELEVATION REFERENCE POINT LOCATION & DESCRIPTION

0 NAIL IN LEFT TRIM BOARD ON BACK DOOR, NAIL IS 9" FROM BOTTOM OF BOARD

### DISPOSAL AREA CROSS SECTION

Scale:

Vertical: 1 inch = 5 Ft.  
Horizontal: 1 inch = 5 Ft.



NOTE: SYSTEM IS DESIGNED TO TAKE ADVANTAGE OF FILL TO BE PLACED IN BACKYARD

Site Evaluator Signature: Stephen P. Phillips SE#: 300 Date: 20 JULY 93

ATTACHMENT TO HHE-200

## notes:

1. Construction shall conform with "State of Maine Subsurface Wastewater Disposal Rules".
2. Unless otherwise specified all fill will be gravelly and loamy sand with sufficient fines for adequate compaction. In 8" lifts compacted as placed.
3. Unless otherwise specified, wells shall be located a minimum 100' from subsurface disposal system, including tank.
4. Property lines shown are as provided by owner, agent or municipality. No guarantee of accuracy is implied. Actual property lines must be confirmed by survey.
5. Septic tanks and pump stations shall be installed watertight to prevent infiltration of ground and surface water.
6. Force mains, pump stations, and or gravity piping subject to freezing shall be adequately insulated.
7. Unless otherwise specified, septic tank to be located a minimum 8' from proposed or existing home.
8. Unless otherwise specified, drainfield to be located a minimum 20' from proposed or existing home.
9. Remove organic material and scarify ~~not fill~~ furrow area under drainfield and fill extensions.
10. Unless otherwise specified, keep traffic heavier than lawn tractor away from all components of septic system
11. Loam, seed and mulch all disturbed areas to prevent erosion.
12. A septic tank outlet filter is recommended.
13. Septic tank to be located by contractor.
14. Water from gutters, driveways, walks, and other surface water to be diverted away from system.
15. If replacement system, old tank to be filled with soil or removed.
16. Keep sanitary napkins, cigarette butts, coffee grounds, paper towels, grease, and nonbiodegradables out of system.
14. Take 3 copies of the plan to your LPI (local plumbing inspector). He will sign and attach plumbing permit stickers to all three. Your sticker should say "Applicants copy". He will keep a copy for the municipality and forward one to the state. The forth copy is water resistant, for the contractor.

Stephen P. Robbins

S.E. #301

20 July 83 40F4