

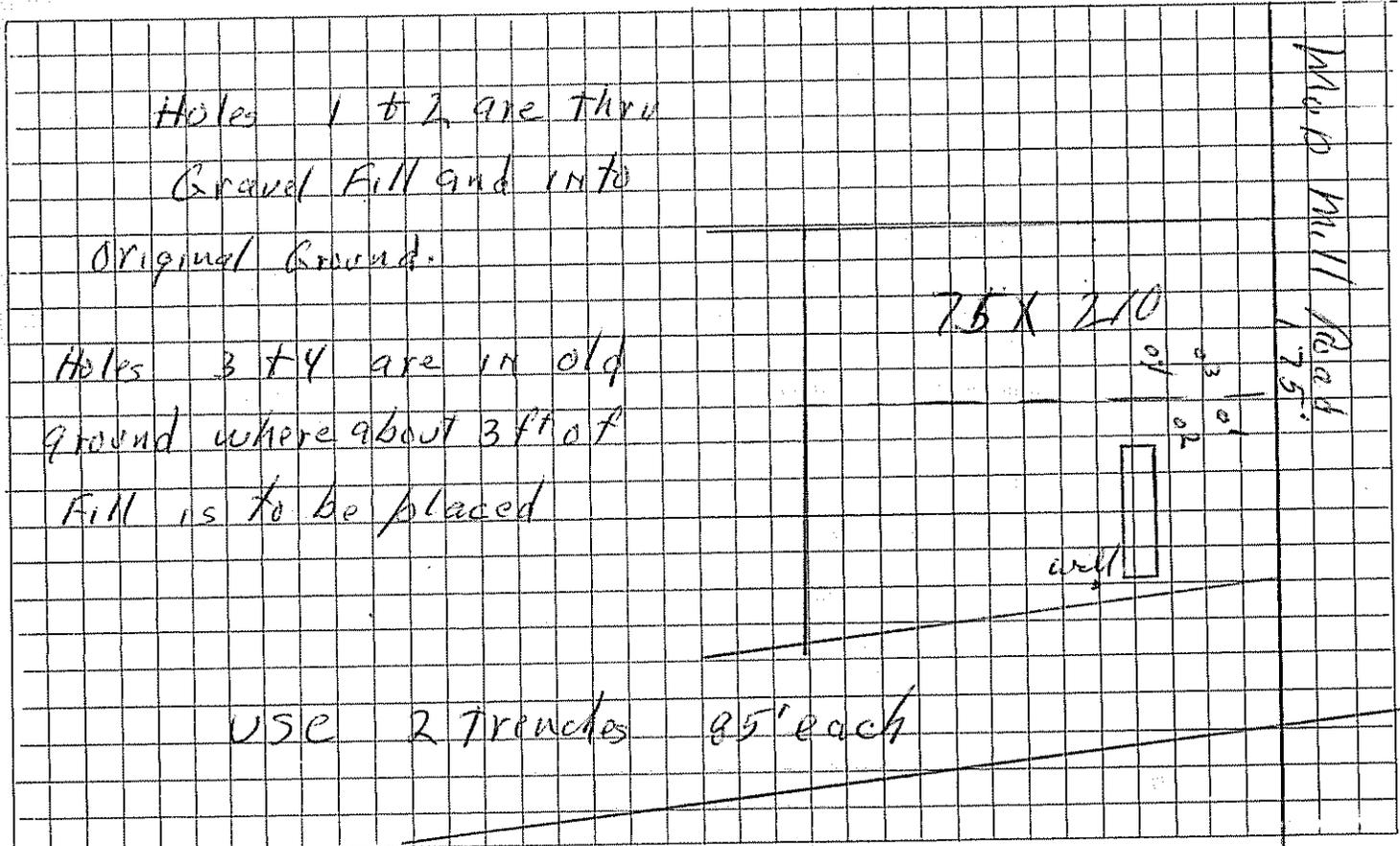
27343 Dick Sylvester

Doonahue, Roy

SUBMIT THE FOLLOWING COMPLETED FORM TO YOUR LOCAL PLUMBING INSPECTOR

DATE <u>May 27, 1974</u>	OWNER <u>Roy Donahue</u>
NUMBER OF BEDROOMS <u>3</u>	STREET <u>RFD 1</u>
SIZE OF SEPTIC TANK <u>100</u>	CITY <u>Gardiner me</u> MAINE
TYPE OF SOIL <u>Gravel Fill on Rocky clay</u>	TEL. NUMBER _____
Test Performed by <u>Gen Allen LS 175</u>	LOCATION OF PROPOSED INSTALLATION STREET <u>Mad Mill Road</u>
Local Plumbing Inspector's Signature <u>George L Smith</u>	CITY <u>Augusta me</u> MAINE
	TEL. NUMBER _____

SKETCH: LOCATION OF BUILDING DISPOSAL SYSTEM, TERRAIN FEATURES, PERCOLATION HOLES, WATER SUPPLIES, ETC.



+8 Depth to Water Table  
+10 Depth to Bedrock  
 \_\_\_\_\_ Depth to Clay or other impervious strata

REMARKS  
 Holes 3 + 4 are on additional Land being Purchased

HOLE	HOLE DEPTH	TIME		DEPTH OF WATER SURFACE		ELAPSED TIME	TOTAL DROP OF WATER	PERCOL. RATE MINUTES/INCH
		START	FINISH	START	FINISH			
#1	35" in.	1:40	2:20	18 in.	24 in.	40 min.	6 in.	6.66 min/in
#2	36" in.	1:41	2:21	19 in.	26 in.	40 min.	7 in.	5.71 min/in
#3	21" in.	1:42	2:22	15 in.	22 in.	40 min.	7 in.	5.71 min/in
#4	22" in.	1:43	2:23	14" in.	19 in.	40 min.	5 in.	8.00 min/in
AVERAGE RATE								6.58 min/in

## METHOD OF MAKING PERCOLATION TESTS

1.—NUMBER AND LOCATION OF TESTS. A sufficient number of tests as determined from Section 122 (G) shall be made in separate test holes spaced uniformly over the proposed subsurface absorption area.

2.—TYPE OF TEST HOLE. Dig or bore a hole, with horizontal dimensions of from 4 to 12 inches and vertical sides to the depth of the proposed absorption trench. In order to save time, labor, and volume of water required per test, the holes can be bored with a 4-inch auger.

3.—PREPARATION OF TEST HOLE. Carefully scratch the bottom and sides of the hole with a knife blade or sharp-pointed instrument, in order to remove any smeared soil surfaces and to provide a natural soil interface into which water may percolate. Remove all loose material from the hole. Add 2 inches of coarse sand or fine gravel to protect the bottom from scouring and sediment.

4.—SATURATION AND SWELLING OF THE SOIL. It is important to distinguish between saturation and swelling. Saturation means that the void spaces between soil particles are full of water. This can be accomplished in a short period of time. Swelling is caused by intrusion of water into the individual soil particle. This is a slow process, especially in clay-type soil, and is the reason for requiring a prolonged soaking period.

In the conduct of the test, carefully fill the hole with clear water to a minimum depth of 12 inches over the gravel. In most soils, it is necessary to refill the hole by supplying a surplus reservoir of water, possibly by means of an automatic syphon, to keep water in the hole for at least overnight. Determine the percolation rate 24 hours after water is first added to the hole. This procedure is to insure that the soil is given ample opportunity to swell and to approach the condition it will be in during the wettest season of the year. Thus, the test will give comparable results in the same soil, whether made in a dry or in a wet season.

5.—PERCOLATION, RATE MEASUREMENT. With the exception of sandy soils, percolation-rate measurements shall be made on the day following the procedure described under item 4, above.

- A. If water remains in the test hole after the overnight swelling period, adjust the depth to approximately 6 inches over the gravel. From a fixed reference point (a stick across the hole), carefully measure the time it takes for the water to drop four (4) inches.
- B. If no water remains in the hole after the overnight swelling period add clear water to bring the depth of water in the hole to approximately 6 inches over the gravel. From a fixed reference point (a stick across the hole) carefully measure the time it takes for the water to drop four (4) inches.

6.—Find the percolation rate in minutes required for the water to drop one inch.

### SAMPLE CALCULATION:

It takes 40 minutes for the water to drop 4 inches, so the PERCOLATION RATE is 40 minutes divided by 4 inches equals 10 minutes per inch.

THE PERCOLATION RATE IS

10 minutes/inch

4 inches 40 minutes

is For:  New System  Expanded System  Conversion Permit  Experimental System  Replacement Of Entire System  Disposal Area Only

An Application For Subsurface Wastewater Disposal Permit This Is NOT A Permit; This Form When Completed Must Be Presented To The Local Plumbing Inspector To Obtain A Permit

Town: **Augusta** Street, Road, Etc.: **Mud Mills Road** Plumbing Permit No.: **14929EP** Date Of Plumbing Permit: **9-6-78**

Owner Of Property: **Guy Allen** Tel.No.: **582-5476** Name Of Applicant Owner's Agent: **Same** Tel. No.: **Same**

Street: **R.F.D. #1**

Town: **Gardiner** State: **Maine** Zip Code: **04345**

Owner's Signature: \_\_\_\_\_ Date: \_\_\_\_\_ Applicant's Signature: *Roy Donahue* Date: **9-6-78**

Size Of Lot: **1.02** Acres  Sq. Feet  Acres Is Lot Zoned?  Yes  No Type Of Zoning: **Mud Mills Road** Lot No.: **1**

The Water Supply For This Property Is:  Dug Well, depth \_\_\_\_\_;  Drilled Well, depth **TBD**;  Spring, depth \_\_\_\_\_; Surface water  Body  Course— with disinfection,  without disinfection. Public Utility, name \_\_\_\_\_

**SITE INVESTIGATION** Show Location Of Pits on Site Plan on Page 2

Soil Profile No.	Soil Profile No.		Soil Profile No.		Soil Profile No.	
	<input type="checkbox"/> Pit	<input type="checkbox"/> Boring	<input type="checkbox"/> Pit	<input type="checkbox"/> Boring	<input type="checkbox"/> Pit	<input type="checkbox"/> Boring
Organic Strata	Organic Strata	Organic Strata	Organic Strata	Organic Strata	Organic Strata	Organic Strata
<b>0 1"</b>						
1st Strata <b>Reddish Brown Sandy Loam</b>	1st Strata					
Inches <b>16</b>	Inches	Inches	Inches	Inches	Inches	Inches
2nd Strata <b>Light Brown Sandy Loam</b>	2nd Strata					
Inches <b>9</b>	Inches	Inches	Inches	Inches	Inches	Inches
3rd Strata <b>Sand-Gravel Material, Rocky</b>	3rd Strata					
Inches <b>26</b>	Inches	Inches	Inches	Inches	Inches	Inches
4th Strata	4th Strata	4th Strata	4th Strata	4th Strata	4th Strata	4th Strata
Inches	Inches	Inches	Inches	Inches	Inches	Inches
Total Depth of Observation Hole Inches <b>48</b>	Total Depth of Observation Hole Inches					
Max. Seasonal Water Table Mottling <b>48"</b> <input checked="" type="radio"/> None Evident	Max. Seasonal Water Table Mottling <input type="radio"/> None Evident	Max. Seasonal Water Table Mottling <input type="radio"/> None Evident	Max. Seasonal Water Table Mottling <input type="radio"/> None Evident	Max. Seasonal Water Table Mottling <input type="radio"/> None Evident	Max. Seasonal Water Table Mottling <input type="radio"/> None Evident	Max. Seasonal Water Table Mottling <input type="radio"/> None Evident
Inches	Inches	Inches	Inches	Inches	Inches	Inches
Impervious Layer Clay, Etc. <input checked="" type="radio"/> None Evident	Impervious Layer Clay, Etc. <input type="radio"/> None Evident	Impervious Layer Clay, Etc. <input type="radio"/> None Evident	Impervious Layer Clay, Etc. <input type="radio"/> None Evident	Impervious Layer Clay, Etc. <input type="radio"/> None Evident	Impervious Layer Clay, Etc. <input type="radio"/> None Evident	Impervious Layer Clay, Etc. <input type="radio"/> None Evident
Inches	Inches	Inches	Inches	Inches	Inches	Inches
Bedrock <input checked="" type="radio"/> None Evident	Bedrock <input type="radio"/> None Evident	Bedrock <input type="radio"/> None Evident	Bedrock <input type="radio"/> None Evident	Bedrock <input type="radio"/> None Evident	Bedrock <input type="radio"/> None Evident	Bedrock <input type="radio"/> None Evident
Type of Bedrock	Type of Bedrock	Type of Bedrock	Type of Bedrock	Type of Bedrock	Type of Bedrock	Type of Bedrock
Surface Slope <b>5%</b>	Surface Slope %					
Soil Group <b>S</b> Soil Condition <b>II</b>	Soil Group Soil Condition					
Per Table 9-1 Code II	Per Table 9-1 Code II	Per Table 9-1 Code II	Per Table 9-1 Code II	Per Table 9-1 Code II	Per Table 9-1 Code II	Per Table 9-1 Code II

On **8/1/78** (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 following type and size of private sewage disposal system. I also recommend the proposed private sewage disposal system layout and location shown on page 2.

Signature: *Richard G. Babe* Site Evaluator License Number: **158**

Date Signed: **8/1/78 Revised**

**DISPOSAL SYSTEM PROPOSED** Show Location of System and Details on Disposal Plan on Page 2

<b>SYSTEM:</b> <input checked="" type="radio"/> Combined System <input type="radio"/> Separated System If separated system—type of human waste disposal system to be used: <input type="radio"/> Sealed Vault Privy <input type="radio"/> Open Pit Privy <input type="radio"/> Compost Toilet <input type="radio"/> Chemical Toilet <input type="radio"/> Incinerator Toilet	<b>TREATMENT TANK</b> <input type="radio"/> Aerobic Tank <input checked="" type="radio"/> Septic Tank <input checked="" type="radio"/> Concrete <input type="radio"/> Fiberglass <input type="radio"/> Metal Size in Gallons <b>1,000</b> Gal. Number of Bedrooms <b>3</b>	<b>SUBSURFACE ABSORPTION AREA TYPE</b> <input checked="" type="radio"/> Bed System No. of Beds <b>1</b> Length <b>34</b> ft Width <b>20</b> ft <input type="radio"/> Chamber System Number _____ <input type="radio"/> Type A <input type="radio"/> Single File <input type="radio"/> Type B <input type="radio"/> Cluster <input type="radio"/> Special System Length _____ ft Width _____ ft <input type="radio"/> Laundry System Type A _____ Type B _____ No. of Chambers: _____	<b>SIZE</b> <input type="radio"/> Small <input type="radio"/> Medium <input checked="" type="radio"/> Med.-Large <input type="radio"/> Large <input type="radio"/> Extra-Large Design Flow <b>264</b> GPD	<b>SITE MODIFICATION</b> Fill will be: _____ in. uphill _____ in. downhill
				<b>DETAILS</b> <input type="radio"/> A Distribution Box is required <b>No</b> Pumping is— <input type="radio"/> required <input type="radio"/> is not required The dose will be _____ Gallons
<b>DISTANCES</b> <input checked="" type="radio"/> Yes <input type="radio"/> No: The proposed subsurface absorption 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. <input checked="" type="radio"/> Yes <input type="radio"/> No: The proposed subsurface absorption 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.				

PROPERTY/LOT LOCATION MAP: *Mud Mills Road*

WAIVER  State Variance Required  Replacement Variance Required  None Required

FOR THE USE OF LPI ONLY

Denial: Application is denied for the following reasons; portions of the Code II are cited.  
 Form is incomplete (\_\_\_\_ pg.) as to  General info.,  Site Investigation,  System Proposed,  Site Plan,  Disposal System Plan,  Cross-Section,  Statement. See section 4.1  
 Site Investigation indicates site is  unsuitable for disposal system.  Unsuitable for system proposed.  
 System Proposed does not conform to Code.  
 Site Investigation indicates site modifications are necessary.  
 Acceptance: Application for permit is approved  with condition specified, comply with Section \_\_\_\_\_  without condition.

Location—roads, landmarks: **Route 17**

Signed LPI: *Richard G. Babe* Date: **9-6-78** HHE-200 1/78

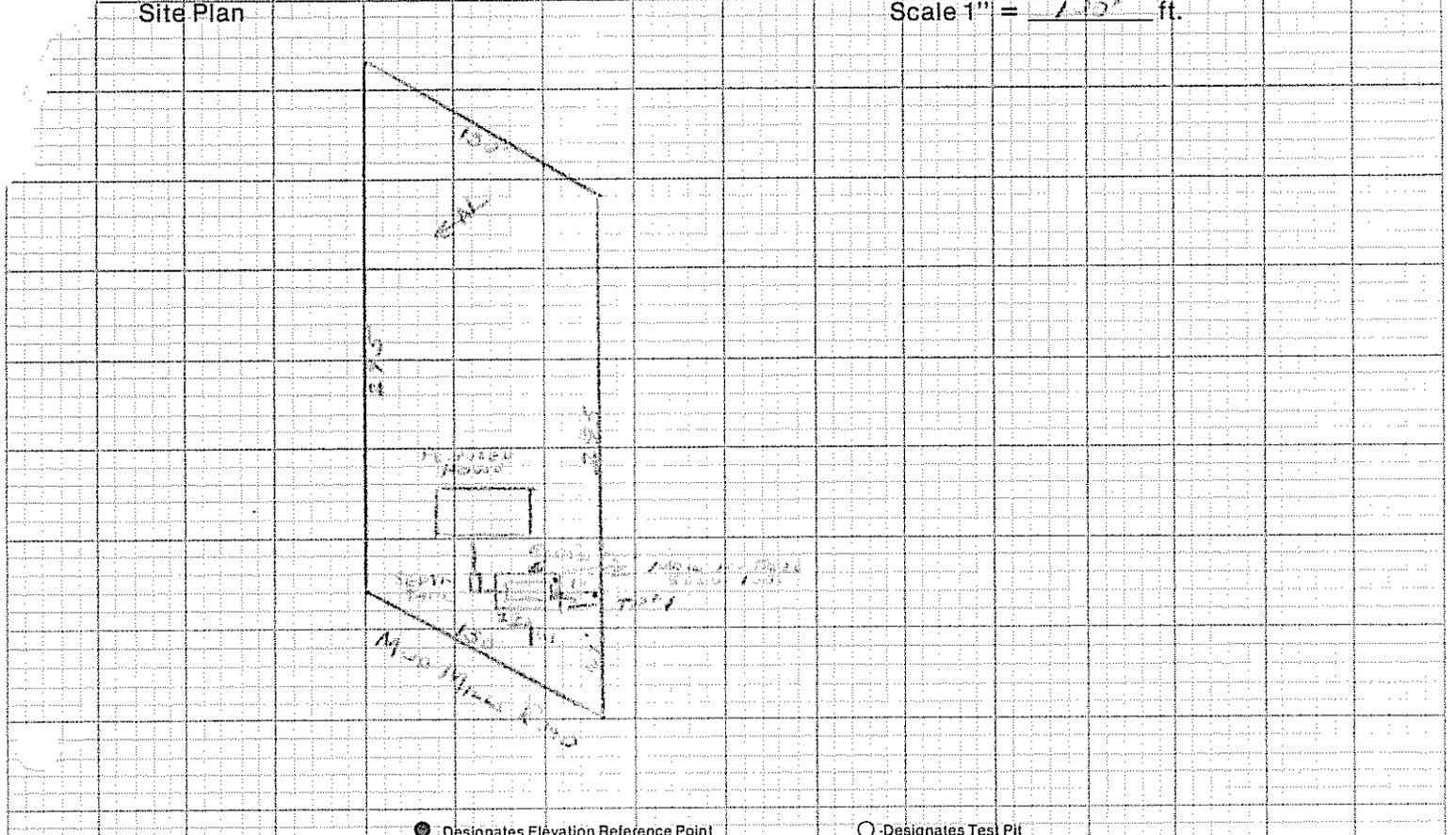
APPLICATION FOR SUBSURFACE WASTEWATER DISPOSAL PERMIT  
(For systems disposing of less than 2000 gallons per day)

Street, Road, etc. 160579  
If on water body, give name 160579

Owner of Property Guy Brown

Site Plan

Scale 1" = 10' ft.

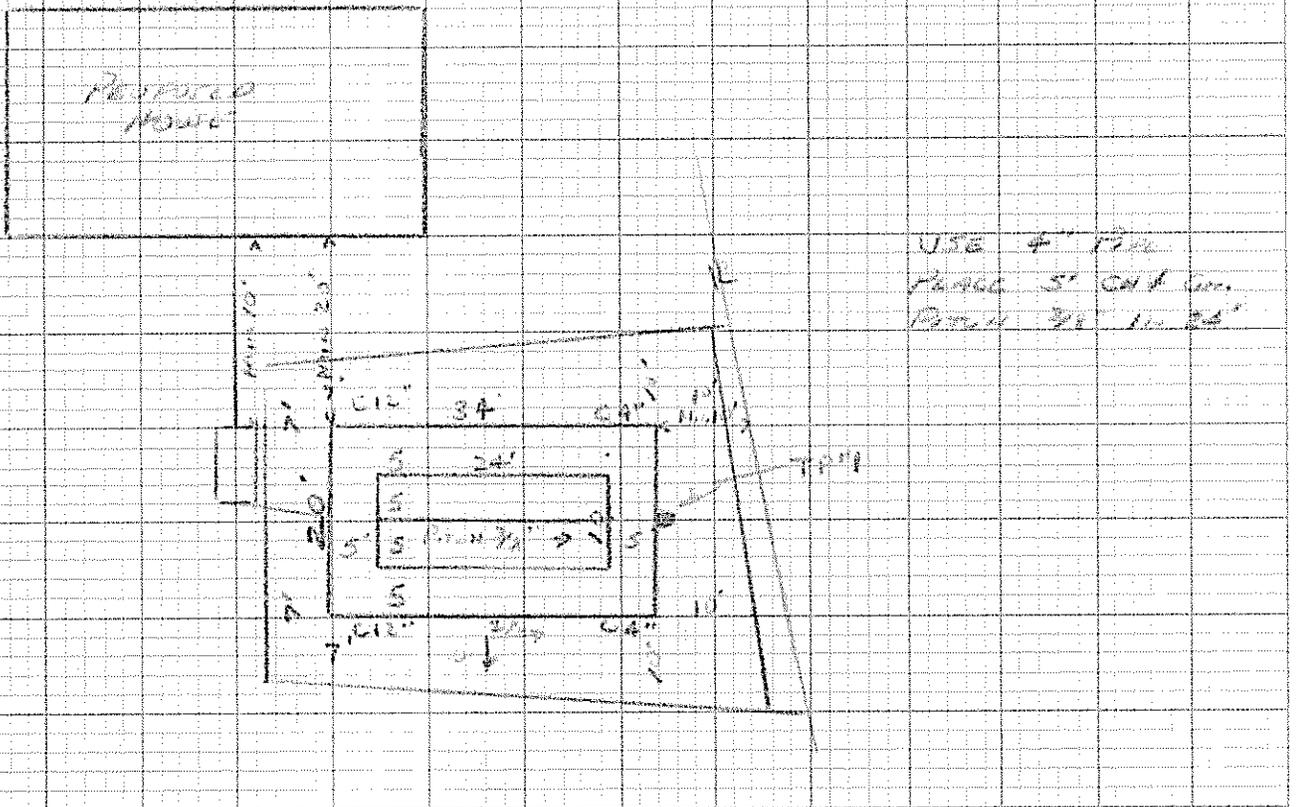


● Designates Elevation Reference Point

○ Designates Test Pit

Private Sewage Disposal Plan

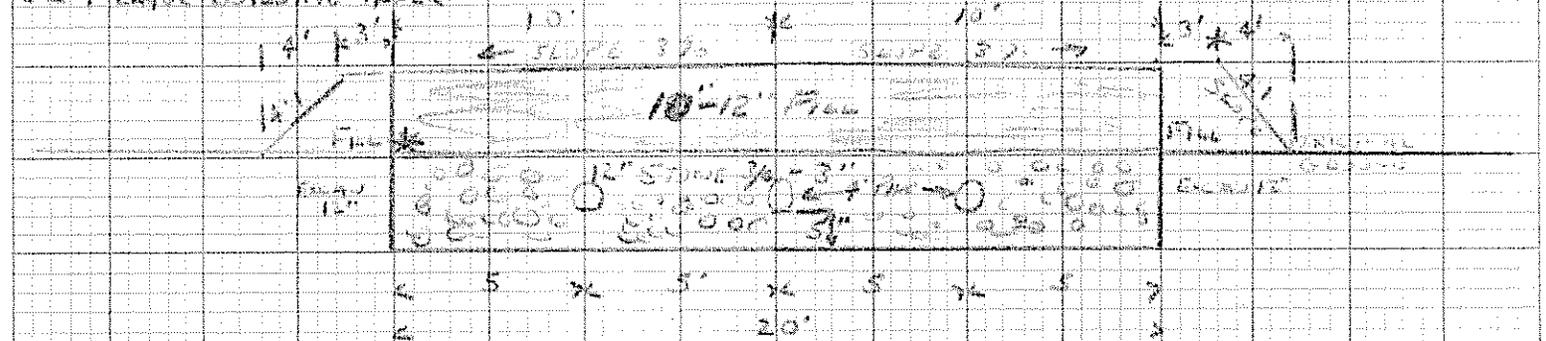
Scale 1" = 20' or \_\_\_\_\_



Subsurface Absorption Area Cross-section

Scale: Vertical—1" = 5' or 2  
Horizontal—1" = 20' or 5

\* NOTE USE 2" or 4" OR 1 Layer Building Paper



Site Evaluators Signature [Signature] Date 5/17/79 License Number 158

Signature Required

Statement: (no permit may be issued unless signed)

I certify that all the information submitted to be true and correct; and I understand that issuance of a permit is based upon the information and plans submitted by the applicant. I also understand that any falsification of this application is reason to deny a permit to install a private sewage disposal system and that the permit is valid for a six (6) month period from the date of permit issuance. I understand that no guarantee is intended or implied by reason of any advice or approval given by the Administrative Authority or its agent.

Date: 9-10-78  
Applicant: [Signature]  
Owner: \_\_\_\_\_