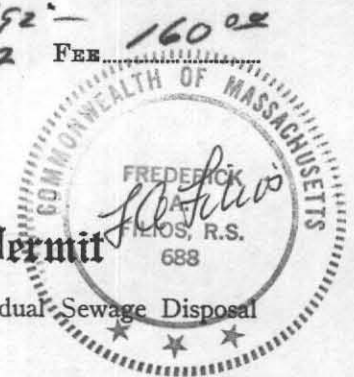


No. 92-2  
REPAIR

#257 2/11/92  
c11 4712 FEB 160<sup>02</sup>

THE COMMONWEALTH OF MASSACHUSETTS  
**BOARD OF HEALTH**

Town OF Amherst



**Application for Disposal Works Construction Permit**

Application is hereby made for a Permit to Construct ( ) or Repair (  ) an Individual Sewage Disposal System at:

Location - Address: 257 Shutesbury Rd.  
Owner: Arthur & Stephanie Palladino  
or Lot No.: None  
Address: Same

Installer: \_\_\_\_\_ Address: \_\_\_\_\_  
Type of Building: \_\_\_\_\_ Size Lot: 58,500 Sq. feet  
Dwelling — No. of Bedrooms: 4 Expansion Attic ( ) Garbage Grinder (  )  
Other — Type of Building: Single Family No. of persons: \_\_\_\_\_ Showers ( ) — Cafeteria ( )  
Other fixtures: \_\_\_\_\_

Design Flow: 55 gallons per person per day. Total daily flow: 440 gallons.  
Septic Tank — Liquid capacity: Exist gallons Length: \_\_\_\_\_ Width: \_\_\_\_\_ Diameter: \_\_\_\_\_ Depth: \_\_\_\_\_  
Disposal Trench — No.: 2 Width: 2' Total Length: 110' Total leaching area: 220 sq. ft. Bottom: \_\_\_\_\_  
Seepage Pit No.: \_\_\_\_\_ Diameter: \_\_\_\_\_ Depth below inlet: 2' Total leaching area: 440 sq. ft. Sidewall: \_\_\_\_\_  
Other Distribution box (  ) Dosing tank ( )  
Percolation Test Results Performed by: Filios Enterprises, Inc. Date: 11 February 1992  
Test Pit No. 1: \_\_\_\_\_ minutes per inch Depth of Test Pit: 11' Depth to ground water: 11'  
Test Pit No. 2: \_\_\_\_\_ minutes per inch Depth of Test Pit: \_\_\_\_\_ Depth to ground water: \_\_\_\_\_

Description of Soil: Attached

Nature of Repairs or Alterations — Answer when applicable: Garbage Grinder to be removed

Agreement: The undersigned agrees to install the aforescribed Individual Sewage Disposal System in accordance with the provisions of TITLE 5 of the State Environmental Code — The undersigned further agrees not to place the system in operation until a Certificate of Compliance has been issued by the board of health.

Signed: Arthur Palladino Date: 2/29/92  
Application Approved By: David Jazayinski Date: 3/3/92  
Application Disapproved for the following reasons: \_\_\_\_\_

Permit No. 92-2 Issued \_\_\_\_\_ Date \_\_\_\_\_

THE COMMONWEALTH OF MASSACHUSETTS  
**BOARD OF HEALTH**

Town OF Amherst

**Certificate of Compliance**

*checked OK 5/18/92  
JL Filios*

THIS IS TO CERTIFY, That the Individual Sewage Disposal System constructed ( ) or Repaired (  ) by Arthur Palladino at 257 Shutesbury Road has been installed in accordance with the provisions of TITLE 5 of The State Environmental Code as described in the application for Disposal Works Construction Permit No. 92-2 Revision dated \_\_\_\_\_

**THE ISSUANCE OF THIS CERTIFICATE SHALL NOT BE CONSTRUED AS A GUARANTEE THAT THE SYSTEM WILL FUNCTION SATISFACTORY.**

DATE \_\_\_\_\_ Inspector \_\_\_\_\_

THE COMMONWEALTH OF MASSACHUSETTS  
**BOARD OF HEALTH**

Town OF Amherst

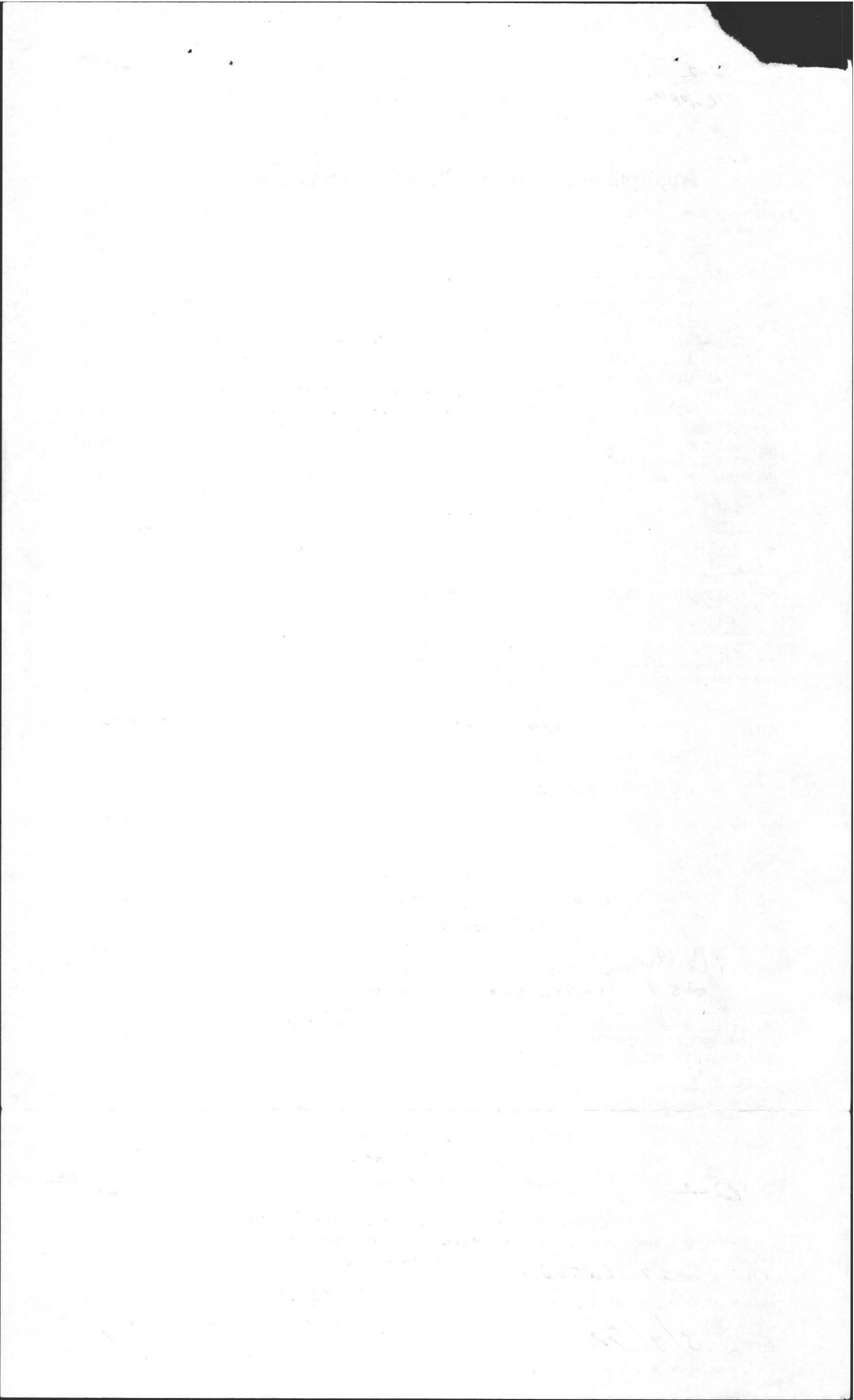
**Disposal Works Construction Permit**

Permission is hereby granted Arthur & Stephanie to Construct ( ) or Repair (  ) an Individual Sewage Disposal System at No. 257 Shutesbury

as shown on the application for Disposal Works Construction Permit No. 92-2 Dated \_\_\_\_\_

DATE: 3/3/92 \_\_\_\_\_  
Board of Health

CHECK OR FILL IN WHERE APPLICABLE



TOWN OF AMHERST

CK: 4772  
Pd 160<sup>50</sup>  
2/4/92

PERC TEST DATA SHEET

DATE 2/11/92 LOCATION 257 Shutesbury Road LOT SIZE \_\_\_\_\_

OWNER ART Palladino ADDRESS 257 Shutesbury Rd TELE # 256-0067

P.E./RS STEPHANIE Fred Filios FIRM Filios ENT. OBSERVED BY David Zarozinski

BACK HOE OPERATOR PAUL Filios TELE \_\_\_\_\_ BENCH MARK \_\_\_\_\_

PERC DEPTH 55" PRE SOAK TIME 9:26 PERC DEPTH \_\_\_\_\_ PRE SOAK TIME \_\_\_\_\_

TEST	<u>12" 9:41</u>	<u>8" 10:04<sup>08</sup></u>	_____
	<u>11" 9:46<sup>50</sup></u>	<u>7" 10:11<sup>40</sup></u>	_____
	<u>10" 9:51<sup>40</sup></u>	<u>6" 10:19<sup>35</sup></u>	_____
	<u>9" 9:57<sup>50</sup></u>	_____	_____

*Should Remove  
C/G*

RATE 8 RATE \_\_\_\_\_

#1

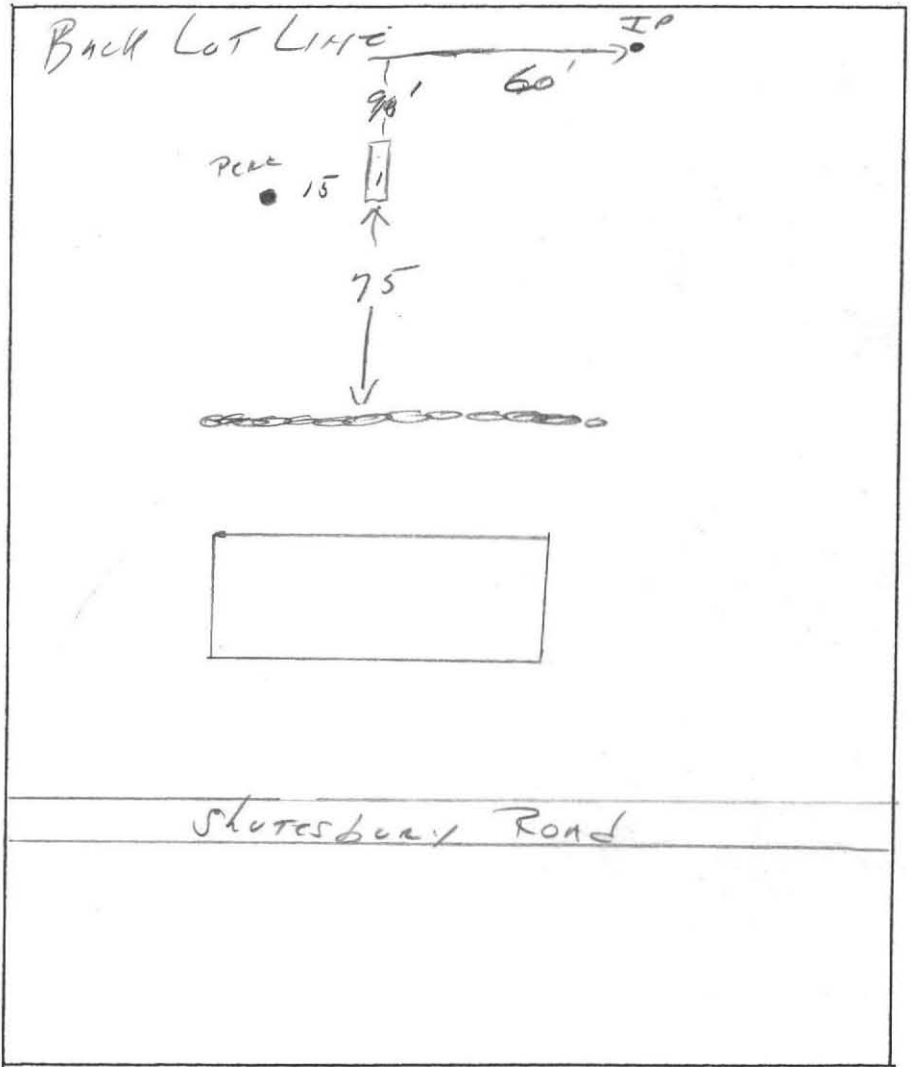
5 Bedrooms

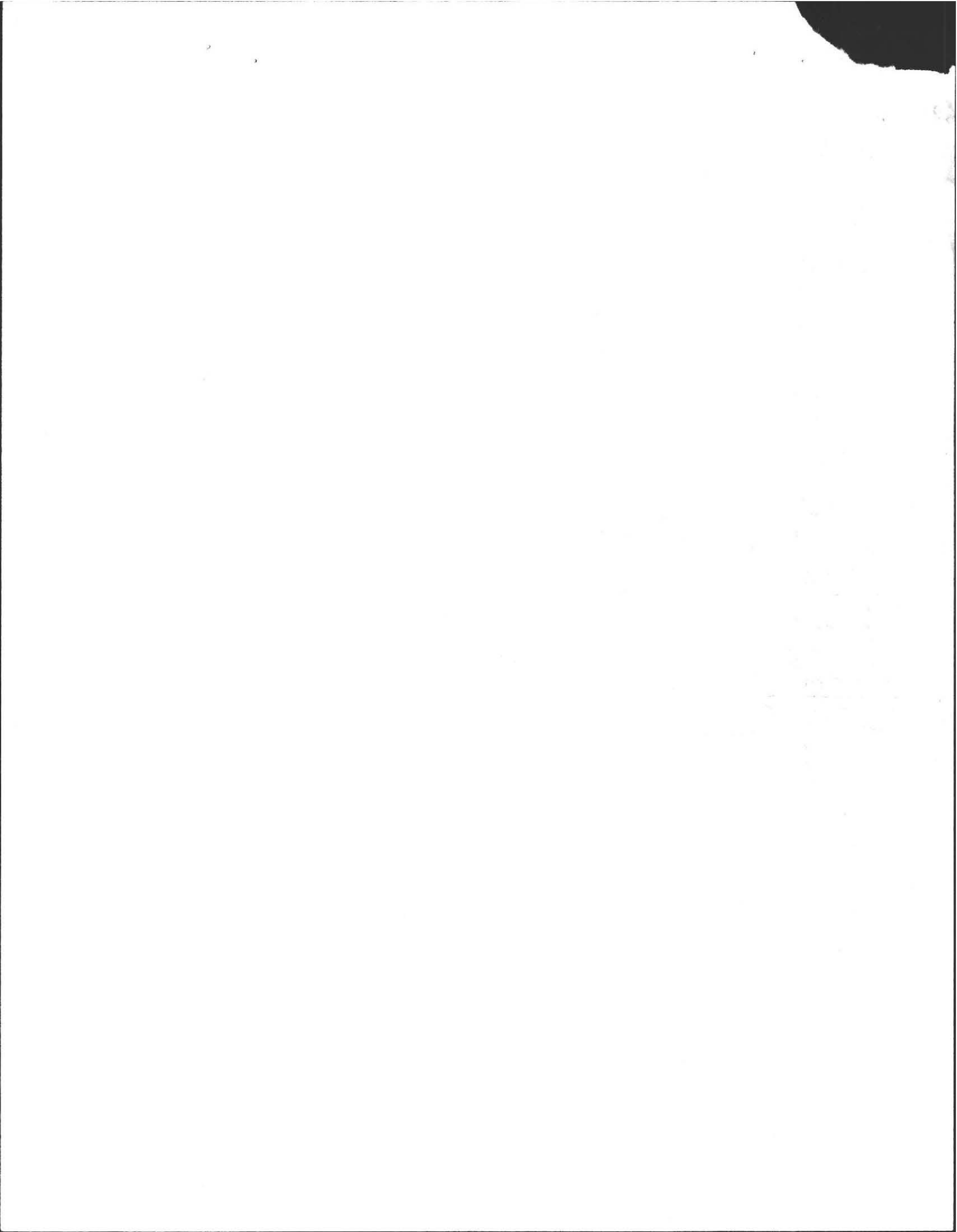
TOP 7"	TOP
SUB 20"	SUB
Loose Fine Sand 48 T.II	
Fine Sand 72 T.II FIRM	

Rock - Sandy Till 11" REFUSED WATER

TOP	TOP
SUB	SUB

TOP	TOP
SUB	SUB



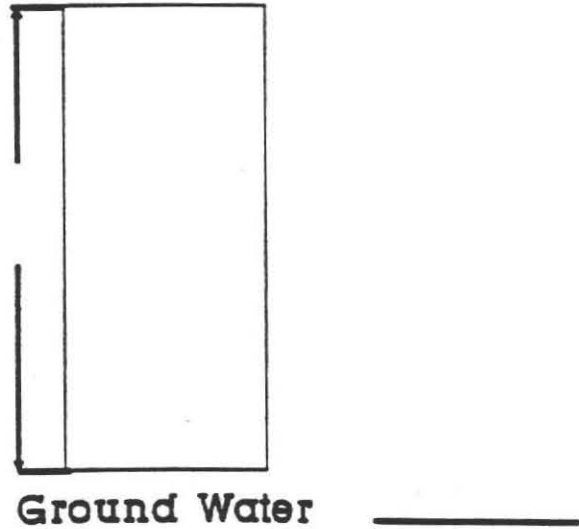
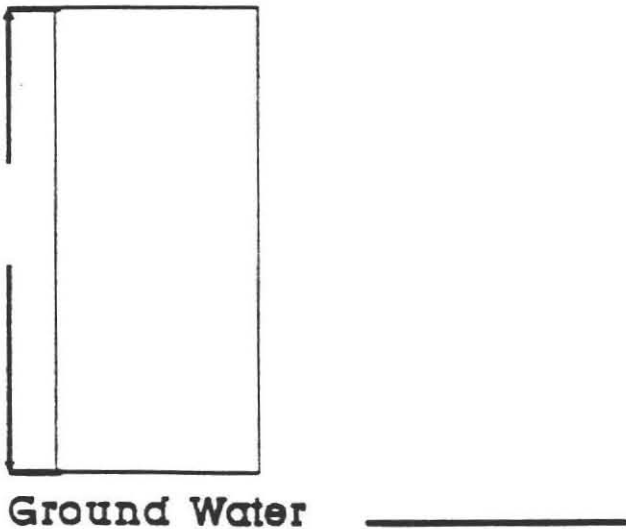
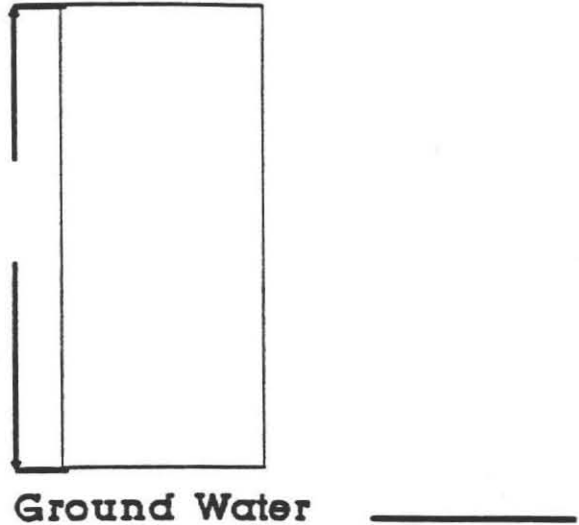
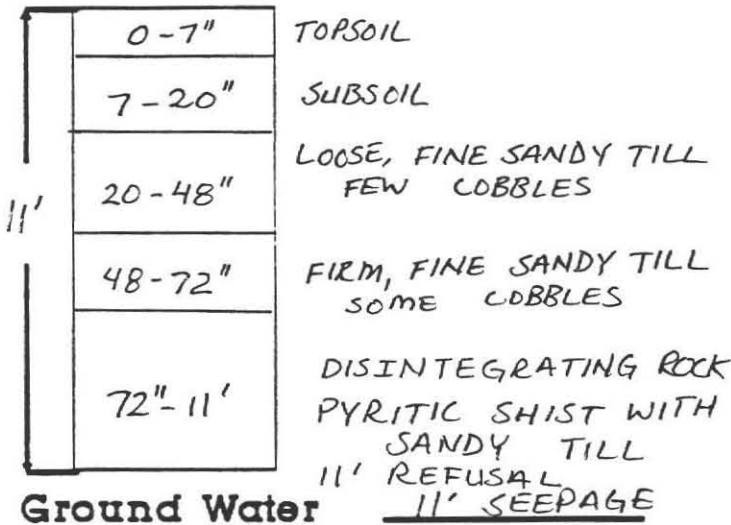


# Deep Soil Logs

Filios Enterprises, Inc.

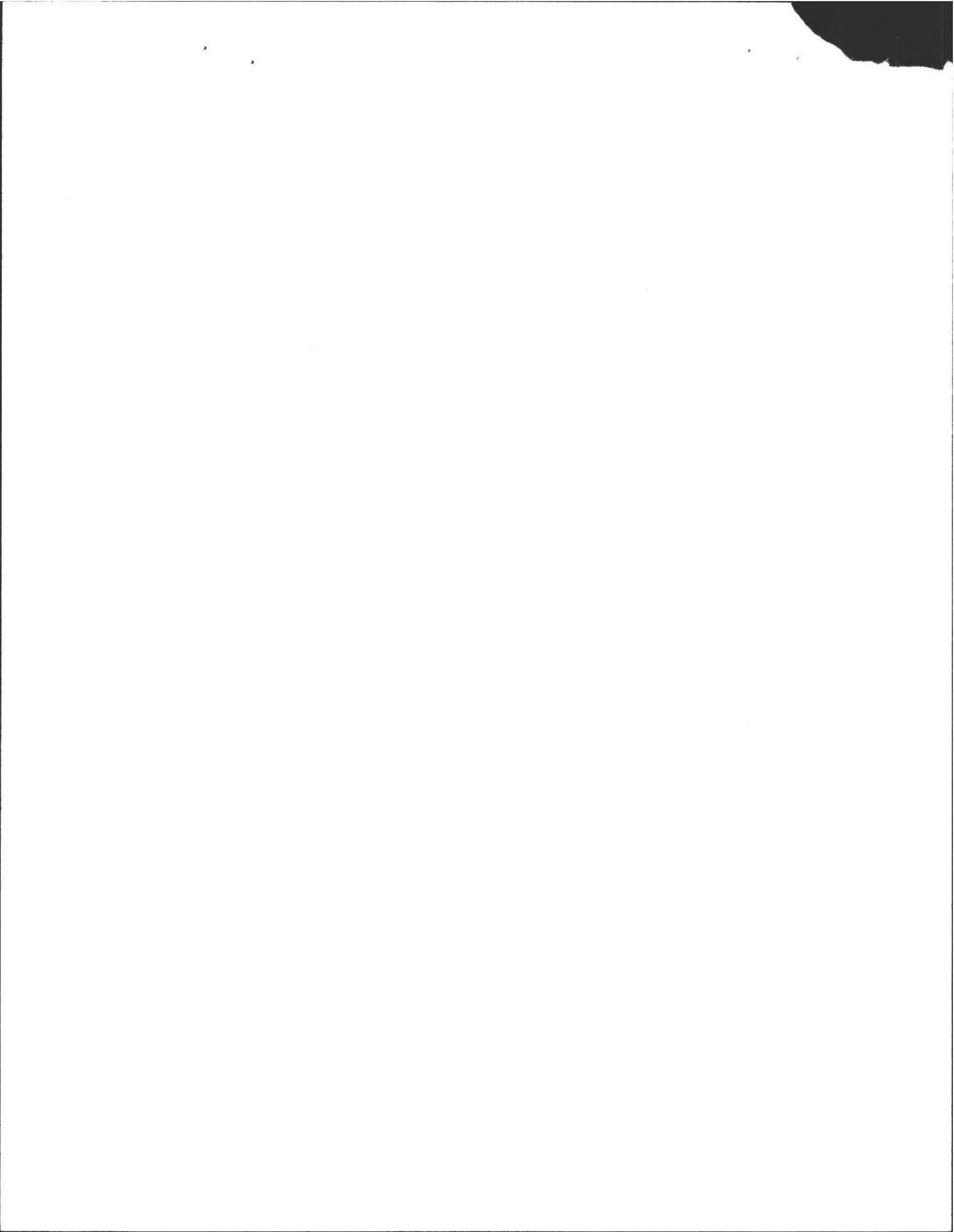
69 Pelham Rd., Amherst MA 01002. (413) 256-8008

Owner: ARTHUR PALLADINO Date: 11 FEBRUARY 1992  
Location: 257 SHUTESBURY RD. B. of H. DAVID ZAROZINSKI  
AMHERST, MA 01002  
REPAIR PERC



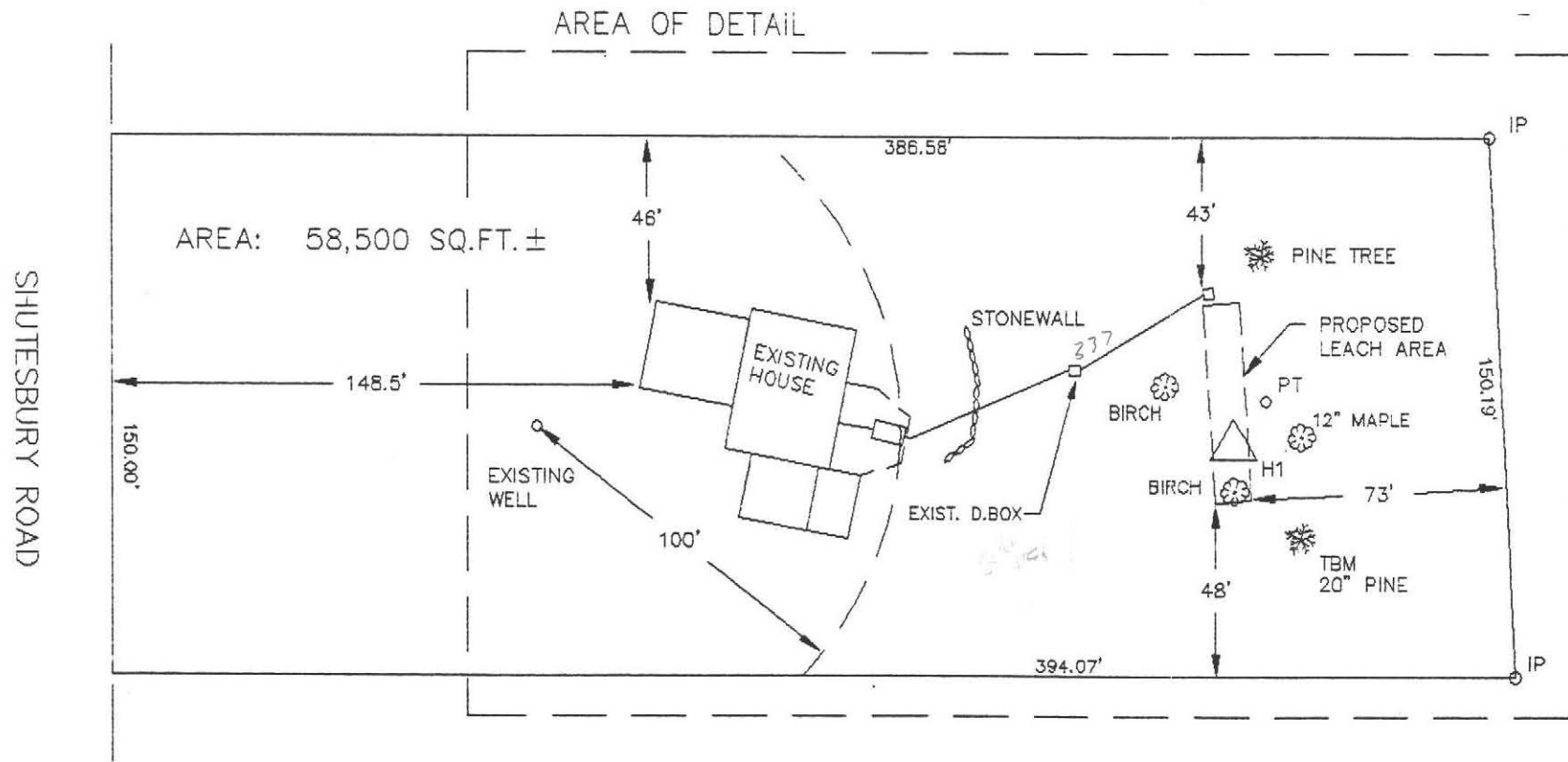
Percolation Rate at: 8  
55" min./inch







LOCATION OF  
old SYSTEM

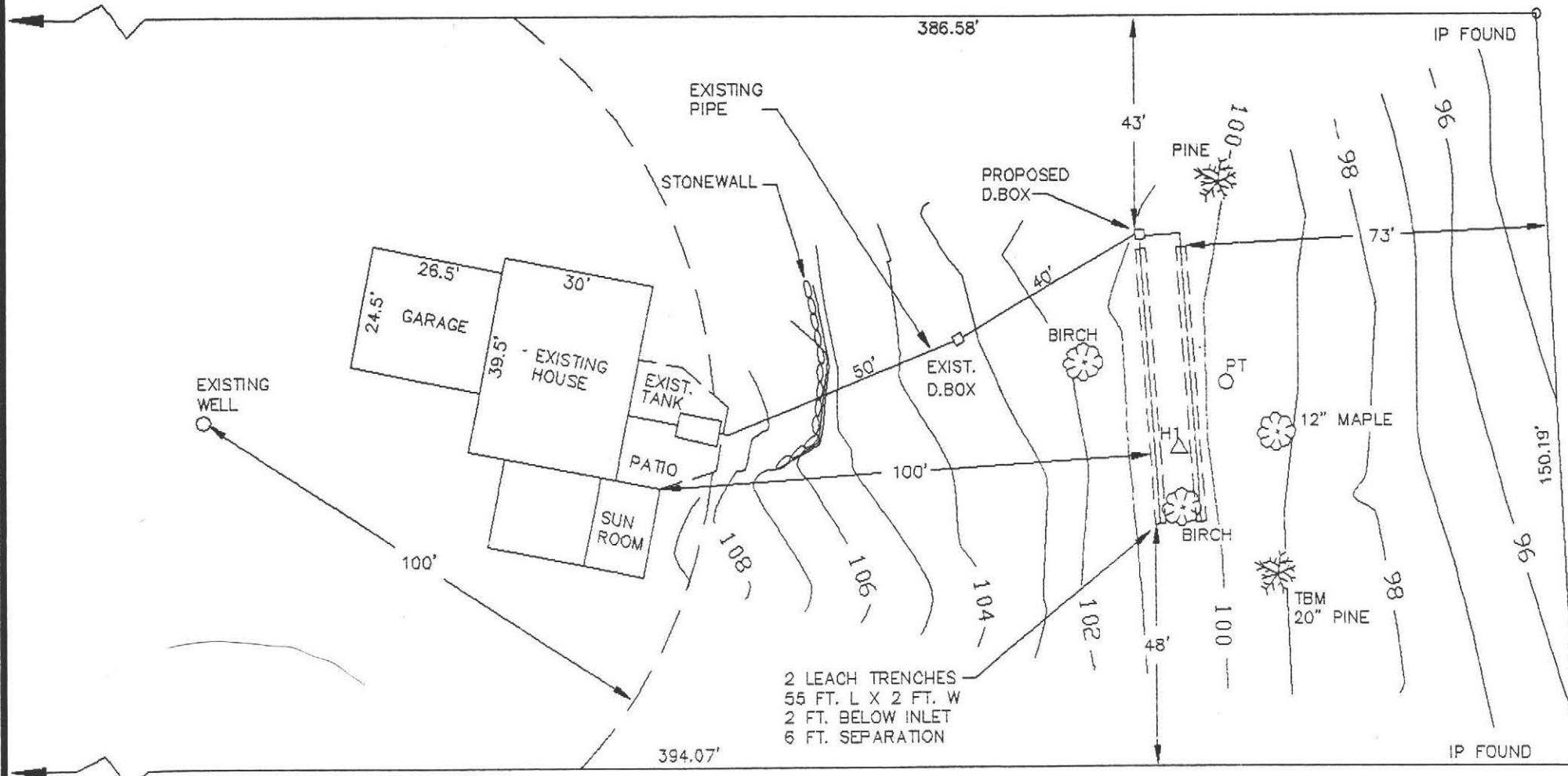


LEGEND	
○	PT PERCOLATION TEST
△	Hx DEEP TEST PIT

LOCUS OF SEWAGE DISPOSAL SYSTEM	
REPAIR AT 257 SHUTESBURY RD., AMHERST, MA	
BY: FILIOS ENTERPRISES, INC. 69 PELHAM RD. AMHERST MA 01002 (413)256-8008	FOR: ARTHUR PALLADINO 257 SHUTESBURY RD. AMHERST, MA 01002
DRAWN BY R. STOVER 14 FEBRUARY 1992	SCALE: 1" = 50'00" PAGE ONE OF FOUR
REVISED: 26 FEBRUARY 1992	







LEGEND

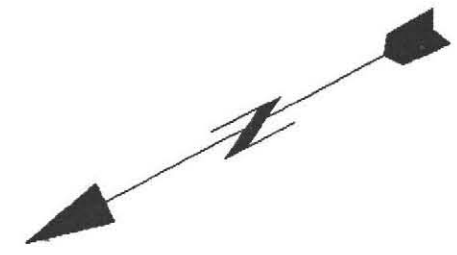
○ PT PERCOLATION TEST

△ Hx DEEP TEST PIT

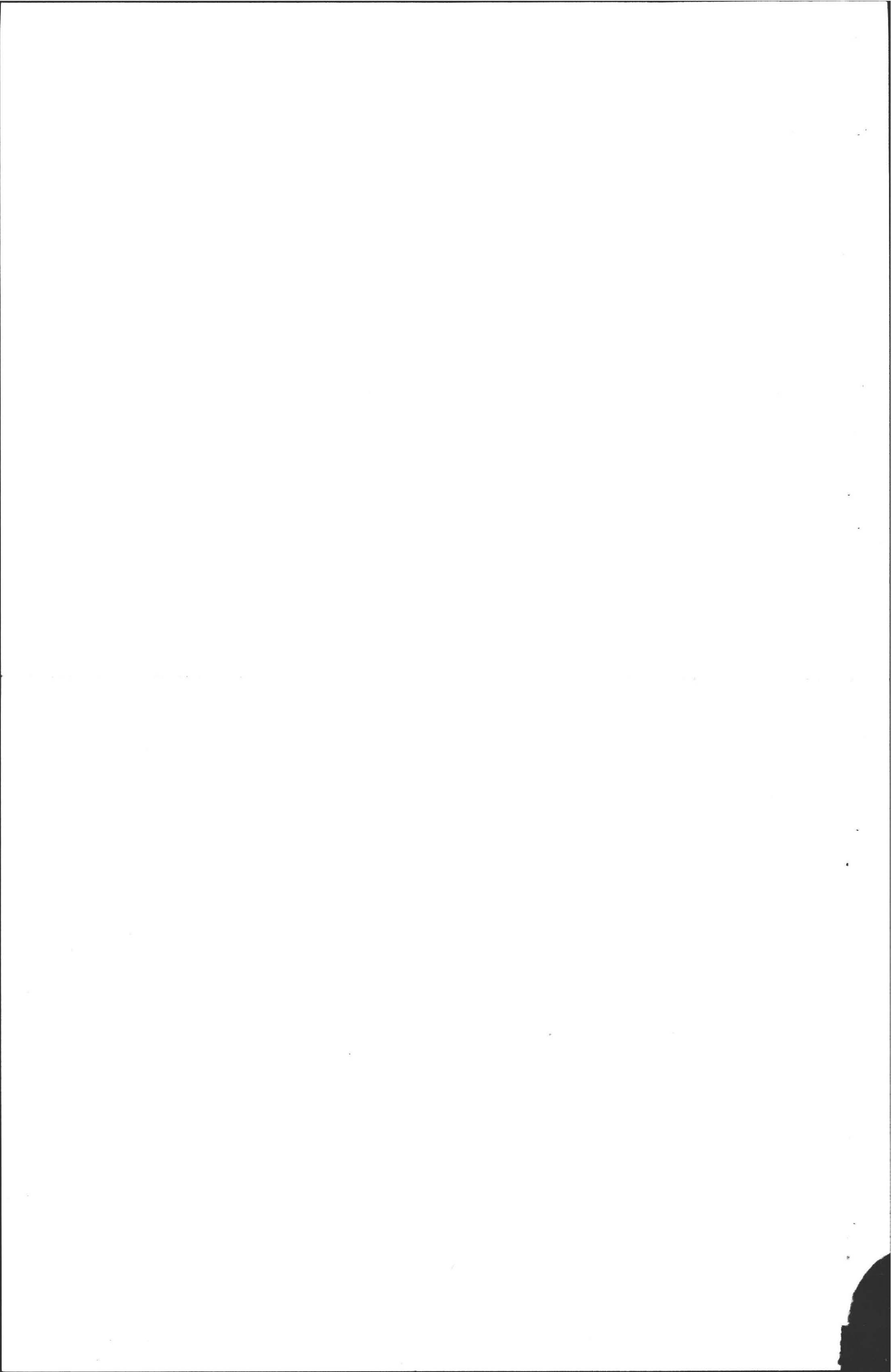
— CONTOUR LINES (1' INTERVAL)

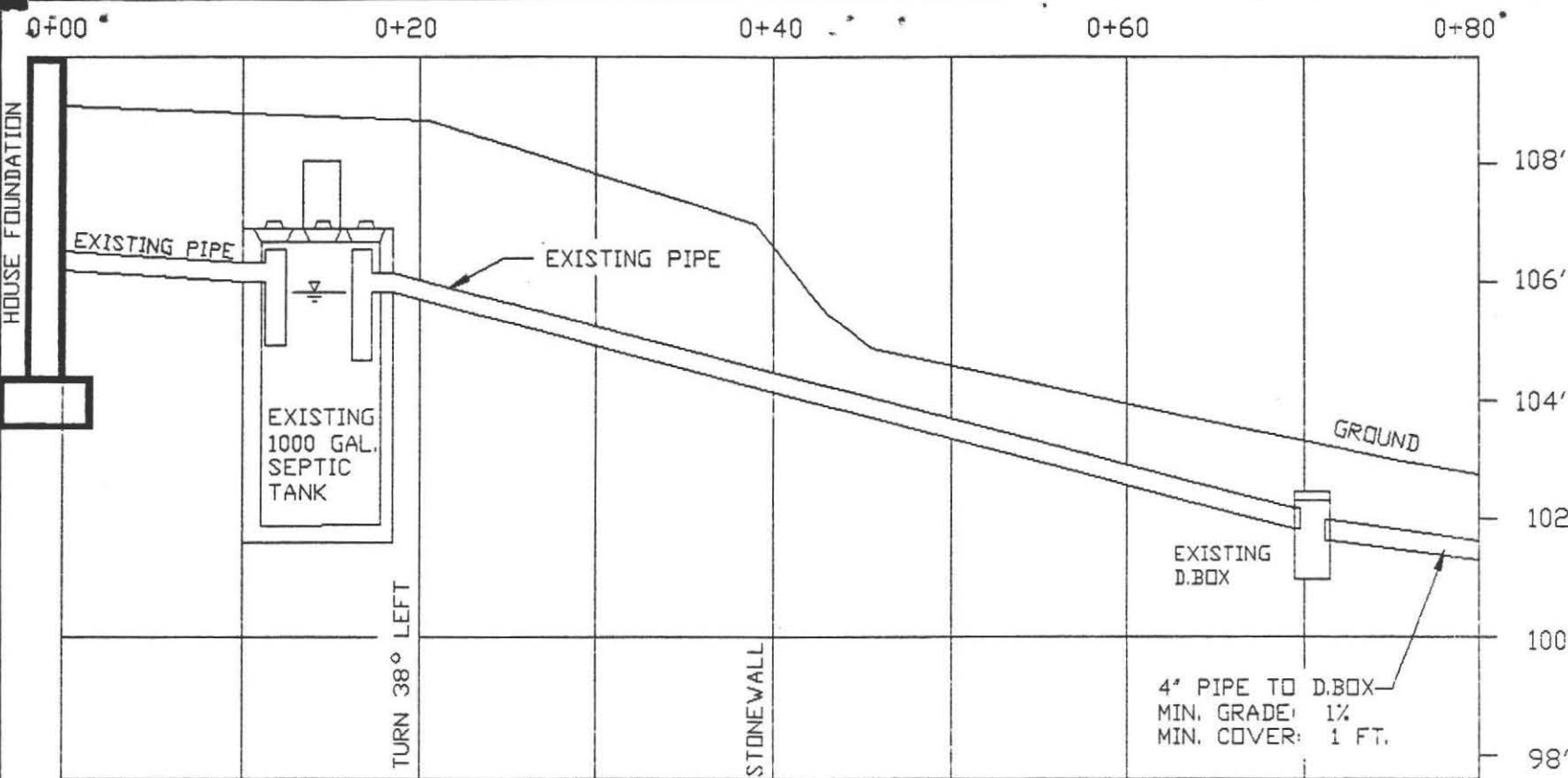
NOTES:

1. TBM IS NAIL IN THE BASE OF A 20 INCH MAPLE TREE.
2. NO OTHER WELLS WITHIN 200' OF THE LEACH AREA AT THE TIME OF SURVEY.



DETAIL OF SEWAGE DISPOSAL SYSTEM	
REPAIR AT 257 SHUTESBURY RD., AMHERST, MA	
BY: FILIOS ENTERPRISES, INC. 69 PELHAM RD. AMHERST MA 01002 (413)256-8008	FOR: ARTHUR PALLADINO 257 SHUTESBURY RD. AMHERST, MA 01002
DRAWN BY R. STOVER	SCALE: 1" = 30'00"
18 FEBRUARY 1992	PAGE TWO OF FOUR
REVISED: 26 FEBRUARY 1992	

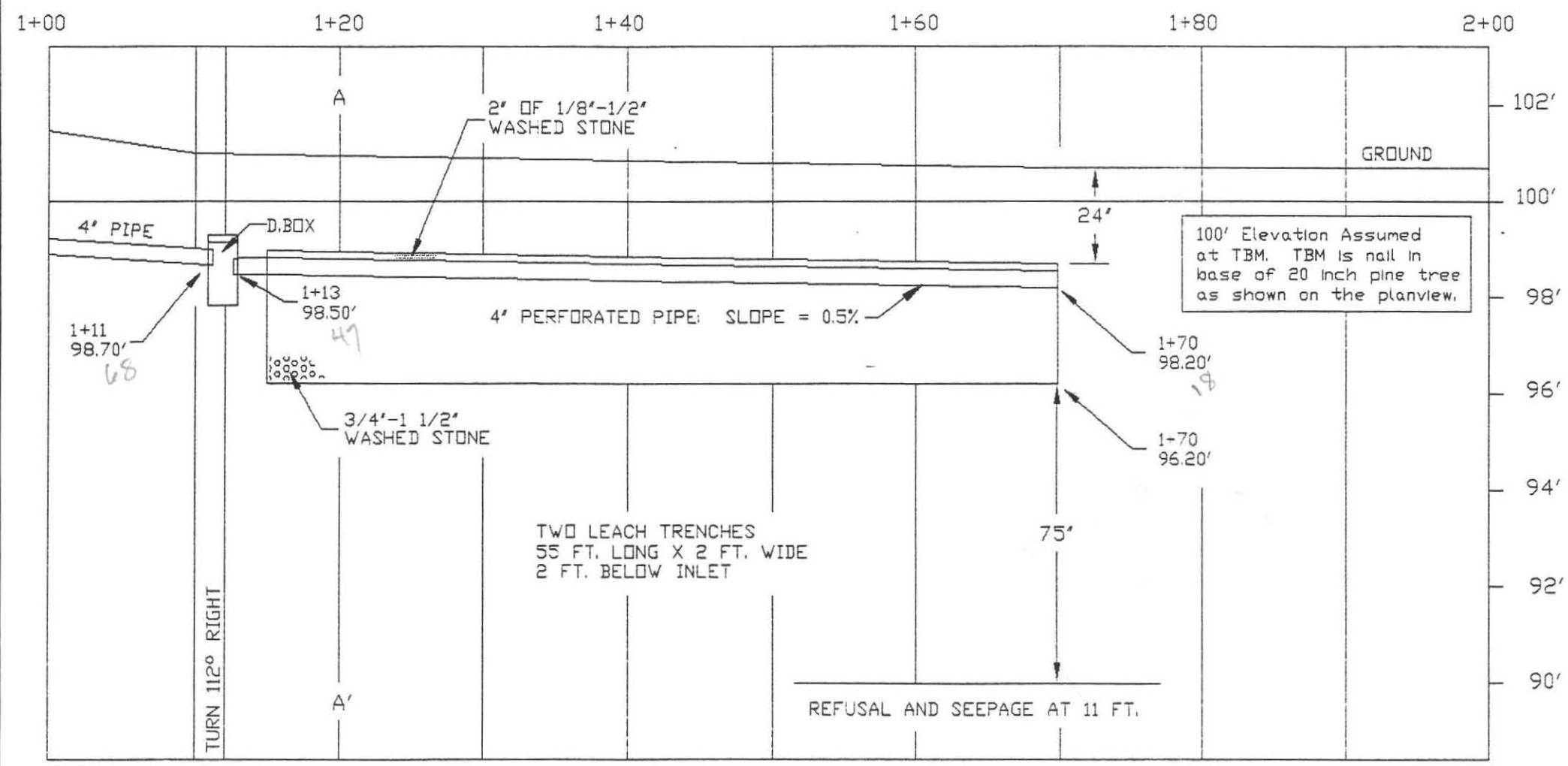




**SPECIFICATIONS**

ALL MATERIALS AND CONSTRUCTION MUST BE IN ACCORDANCE WITH COMMONWEALTH OF MASSACHUSETTS DEPT. OF ENVIRONMENTAL PROTECTION STATE ENVIRONMENTAL CODE TITLE 5.

- Construction Notes**
1. Septic tank shall be inspected and pumped when leach area is installed and annually.
  2. Inlet and outlet tees must extend 10" and 14" below the flow line respectively.
  3. The existing D.Box shall be inspected when proposed leach area is installed and the D.Box shall be replaced if it is determined to be no longer functional.
  4. To retain existing leach field as overflow capacity the outlet from existing d.box to the proposed d.box shall be lower than outlets to the existing leach field.



**CALCULATIONS**

**REQUIRED:**  
FOR A 4 BEDROOM HOUSE WITH GARBAGE DISPOSAL REMOVED IN AMHERST, MA AT 110 GAL./BEDROOM/DAY X 1.25 (AS REQ. BY AMHERST HEALTH DEPT. REGULATIONS) = 550 GAL./DAY.

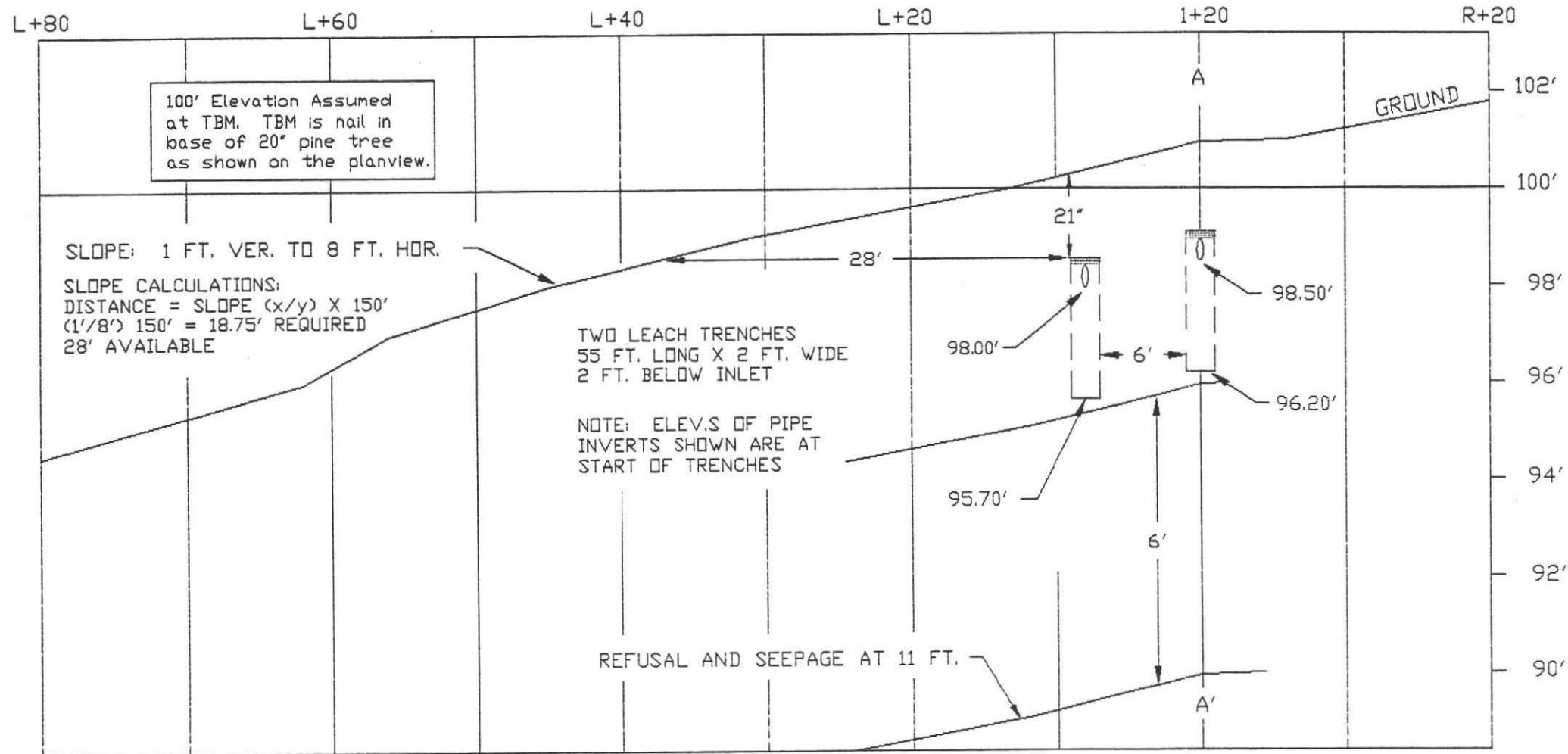
**DESIGNED:**  
TWO LEACH TRENCHES: 55 FT. LONG X 2 FT. WIDE AND 2 FT. BELOW INLET (EFFECTIVE DEPTH).  
DESIGNED WITH A PERCOLATION RATE OF TEN MINUTES PER INCH GIVING SIDEWALL AND BOTTOM AREA LOADING FACTORS OF 1.00 AND 0.55 GAL./SQ.FT./DAY RESPECTIVELY.

SIDEWALL: 4 SIDES (55' X 2') 1.00 GAL./SQ.FT./DAY = 440 GAL./DAY  
BOTTOM: 2 TR.S (55' X 2') 0.55 GAL./SQ.FT./DAY = 121 GAL./DAY  
TOTAL: = 561 GAL./DAY

PROFILE OF SEWAGE DISPOSAL SYSTEM	
REPAIR AT 257 SHUTESBURY RD., AMHERST, MA	
BY: FILIOS ENTERPRISES, INC. 69 PELHAM RD. AMHERST MA 01002 (413)256-8008	FOR: ARTHUR PALLADINO 257 SHUTESBURY RD. AMHERST, MA 01002
DRAWN BY R. STOVER 13 FEBRUARY 1992	SCALE: 1" = 10' HOR. 3" VER. PAGE THREE OF FOUR
REVISED: 26 FEBRUARY 1992	



CROSS-SECTION OF LEACH TRENCHES AT A-A' (1+20)



SPECIFICATIONS  
 ALL MATERIALS AND CONSTRUCTION MUST BE IN ACCORDANCE WITH COMMONWEALTH OF MASSACHUSETTS DEPT. OF ENVIRONMENTAL PROTECTION STATE ENVIRONMENTAL CODE TITLE 5.



PROFILE OF SEWAGE DISPOSAL SYSTEM	
REPAIR AT 257 SHUTESBURY RD., AMHERST, MA	
BY: FILIOS ENTERPRISES, INC. 69 PELHAM RD. AMHERST MA 01002 (413)256-8008	FOR: ARTHUR PALLADINO 257 SHUTESBURY RD. AMHERST, MA 01002
DRAWN BY R. STOVER	SCALE: 1" = 10' HOR. 3' VER.
14 FEBRUARY 1992	PAGE FOUR OF FOUR
REVISED: 26 FEBRUARY 1992	

