

88-14

#98

FEE 90.00

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

HEALTH DEPARTMENT

TOWN OF AMHERST, MASS

APR 5 1988

APR 05 1988



Application for Disposal Works Construction Permit

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

98 LEVERETT RD LOT #1 AMHERST, MASS
ALBERT & OLGA TERAULT 39 LOG TOWN RD AMHERST MA

Type of Building: 4 bedrms
Design Flow: 110 gallons per person per day
Septic Tank: Liquid capacity 1500 gallons, Length 12'0", Width 5'0", Diameter 3'0", Depth 5'0" bottom 3'0" FT

Percolation Test Results: Performed by William Sieruta Date 4/1/88
Description of Soil: TPI-1 0-10" loam c/s 10"-11.5" gravel till H2O @ 96"
TPI-2 0-8" loam 8"-20" silty sand sub 20"-83" gravel sand till 83-130" H2O @ 93"

Agreement: The undersigned agrees to install the aforescribed Individual Sewage Disposal System in accordance with the provisions of TITLE 5 of the State Sanitary Code...

Signed: Albert & Olga Terault
Application Approved By: Dennis R. Pinski Date: April 5 1988

Permit No. 88-14 Issued Date

Checked system 6/21/88 Hold for letter of cert.

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

Certificate of Compliance

THIS IS TO CERTIFY, That the Individual Sewage Disposal System constructed ( ) or Repaired ( ) by... at...

has been installed in accordance with the provisions of TITLE 5 of The State Sanitary Code as described in the application for Disposal Works Construction Permit No. 88-14 dated...

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

DATE Inspector

Designer to certify installation of sewage disposal system in accordance with plan dated April 4, 1988 and received by Health Dept. April 5, 1988

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

No. 88-14 Town of Amherst FEE \$90.00

Disposal Works Construction Permit

Permission is hereby granted to Construct (X) or Repair ( ) an Individual Sewage Disposal System at No. Albert & Olga Terault 91a Leverett Road, Lot #1

as shown on the application for Disposal Works Construction Permit No. 88-14 Dated April 5, 1988 For Health Dept. & Dennis R. Pinski, CHD, R.S. Board of Health

DATE April 5, 1988

CHECK OR FILL IN WHERE APPLICABLE

William H. L.

TOWN

WEST, MISS

DE LEVERETT RD LOT 1 WEST, MISS  
WEST & CUM TERNUT ST COAST RD WEST, MISS

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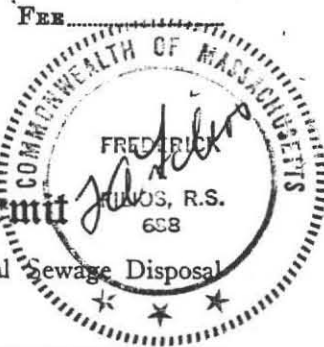
No. ....

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:

LEVERETT ROAD Location - Address  
ALBERT TERAULT Owner 34 LOGTOWN ROAD or Lot No. Address AMHERST, MA.

Type of Building Dwelling - No. of Bedrooms 4 Expansion Attic ( ) Garbage Grinder (NO)  
Other - Type of Building No. of persons Showers ( ) - Cafeteria ( )  
Other fixtures

Design Flow 55 gallons per person per day. Total daily flow 440 x 1.25 = 550 gallons.  
Septic Tank - Liquid capacity 1500 gallons Length 10.5 Width 5 Diameter 5 Depth 5  
Disposal Trench - No. 4 Width 3 Total Length 220 Total leaching area 440 sq. ft. Sides  
Seepage Pit No. Diameter Depth below inlet 1 Total leaching area 660 sq. ft. Bottom

Other Distribution box ( ) Dosing tank ( )  
Percolation Test Results Performed by Filios Enterprises, Inc. Date 3/1/88  
Test Pit No. 1 12 minutes per inch Depth of Test Pit 11' Depth to ground water 74"  
Test Pit No. 2 10 minutes per inch Depth of Test Pit 10' Depth to ground water 67"  
No 3 10' 66"  
9' 72"

Description of Soil No. 4 Enclosed

Nature of Repairs or Alterations - Answer when applicable

Agreement: The undersigned agrees to install the aforescribed Individual Sewage Disposal System in accordance with the provisions of TITLE 5 of the State Sanitary 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 .....

Application Approved By .....

Application Disapproved for the following reasons: .....

Permit No. .... Issued .....

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

TOWN OF AMHERST

Certificate of Compliance

THIS IS TO CERTIFY, That the Individual Sewage Disposal System constructed (✓) or Repaired ( ) by .....

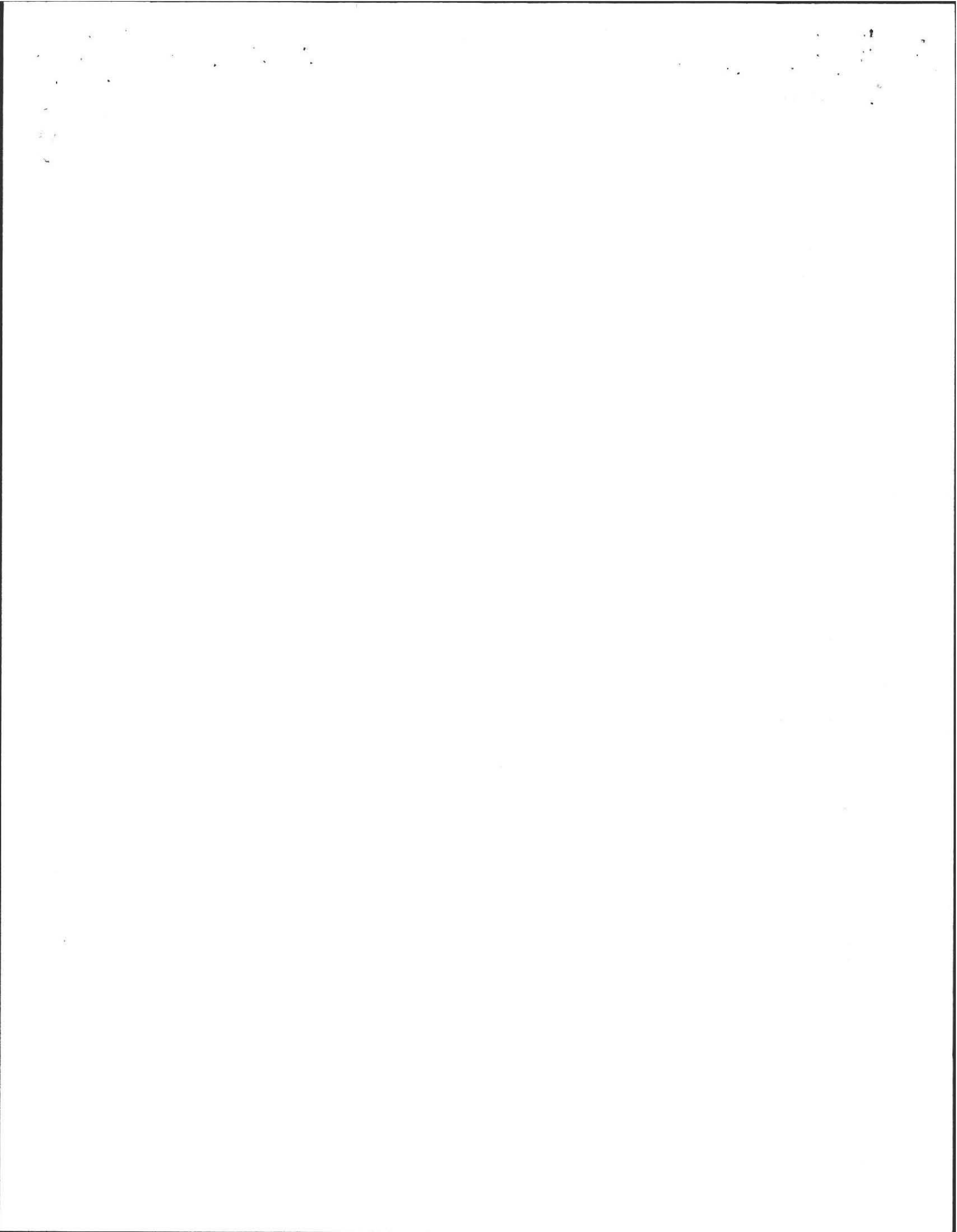
at LEVERETT ROAD Installer

has been installed in accordance with the provisions of TITLE 5 of The State Sanitary Code as described in the application for Disposal Works Construction Permit No. .... dated .....

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

DATE .....

CHECK OR FILL IN WHERE APPLICABLE



DEEP SOIL LOGS

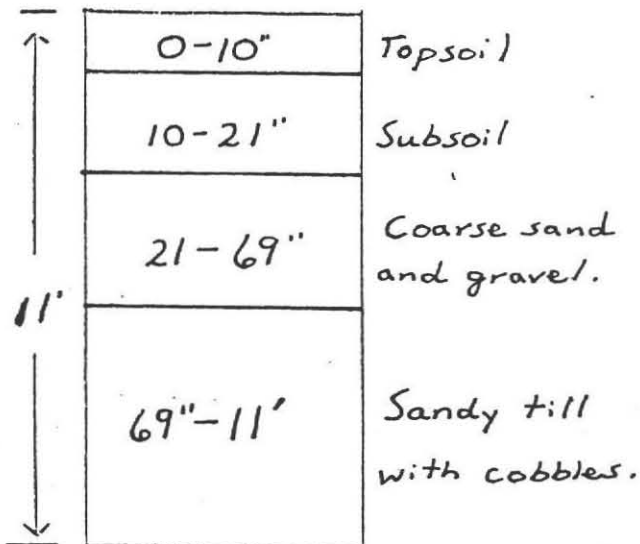
OWNER ALBERT TERAULT

DATE MARCH 1, 1988

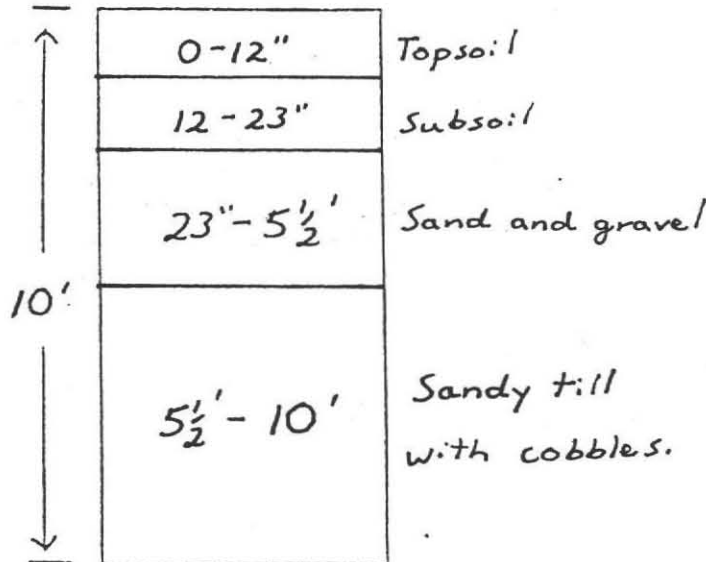
LOCATION LEVERETT ROAD  
AMHERST, MA.

OBSERVER Filios Enterprises Inc.

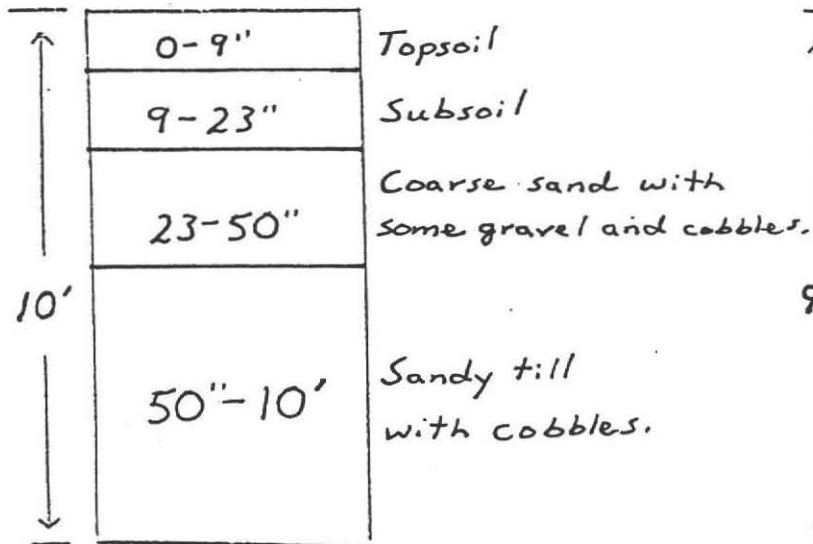
B of H D. PINSKI



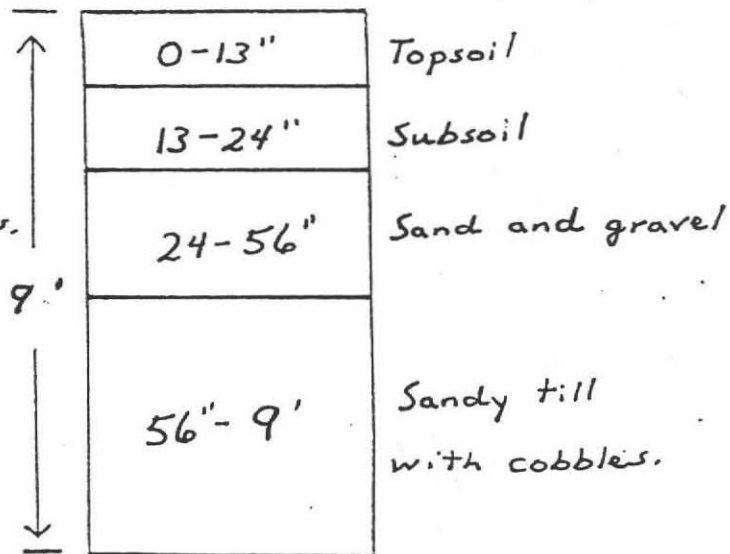
GROUND WATER 74"



GROUND WATER 66"



GROUND WATER 67"

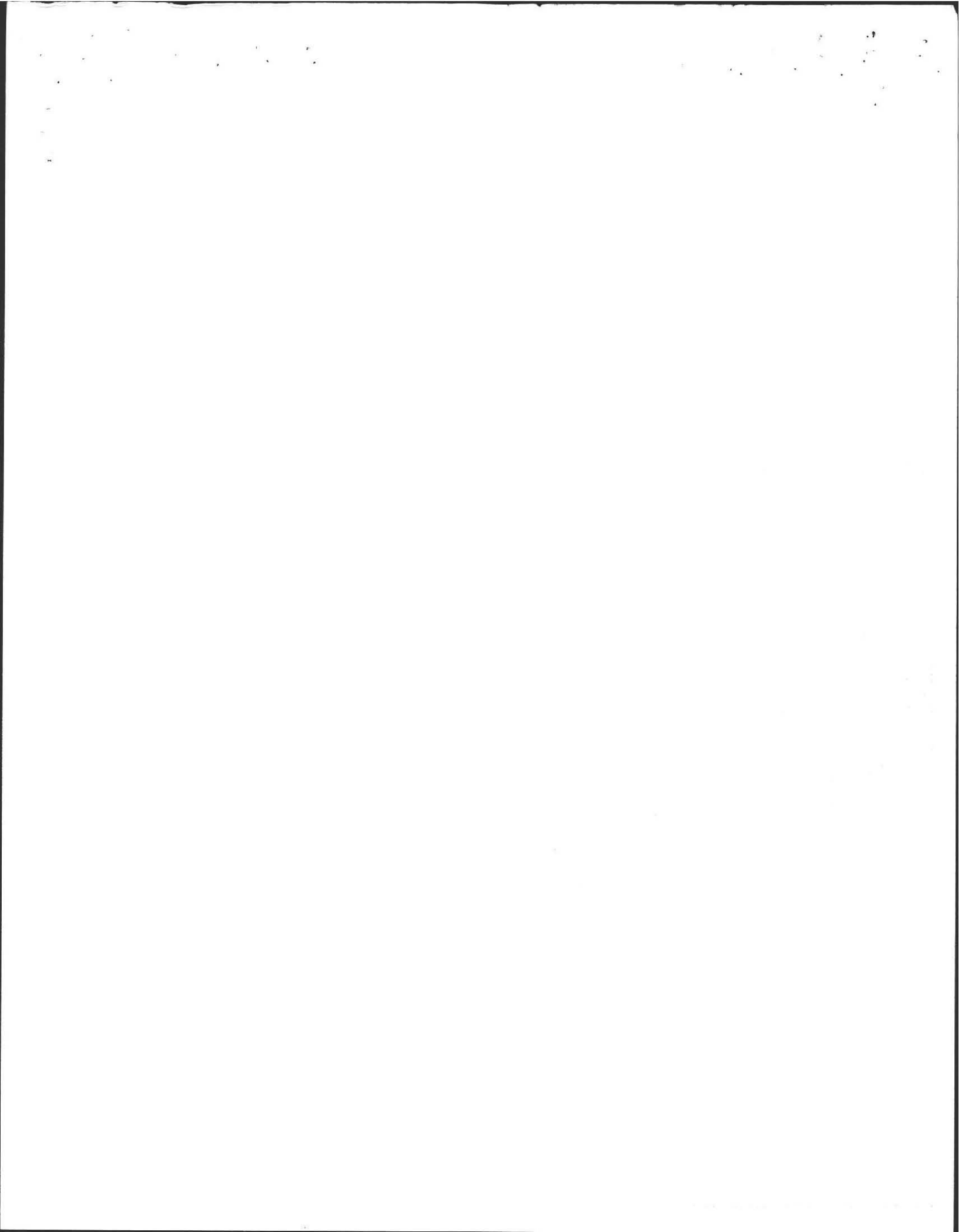


GROUND WATER 72"

PERCOLATION RATE AT 4' :

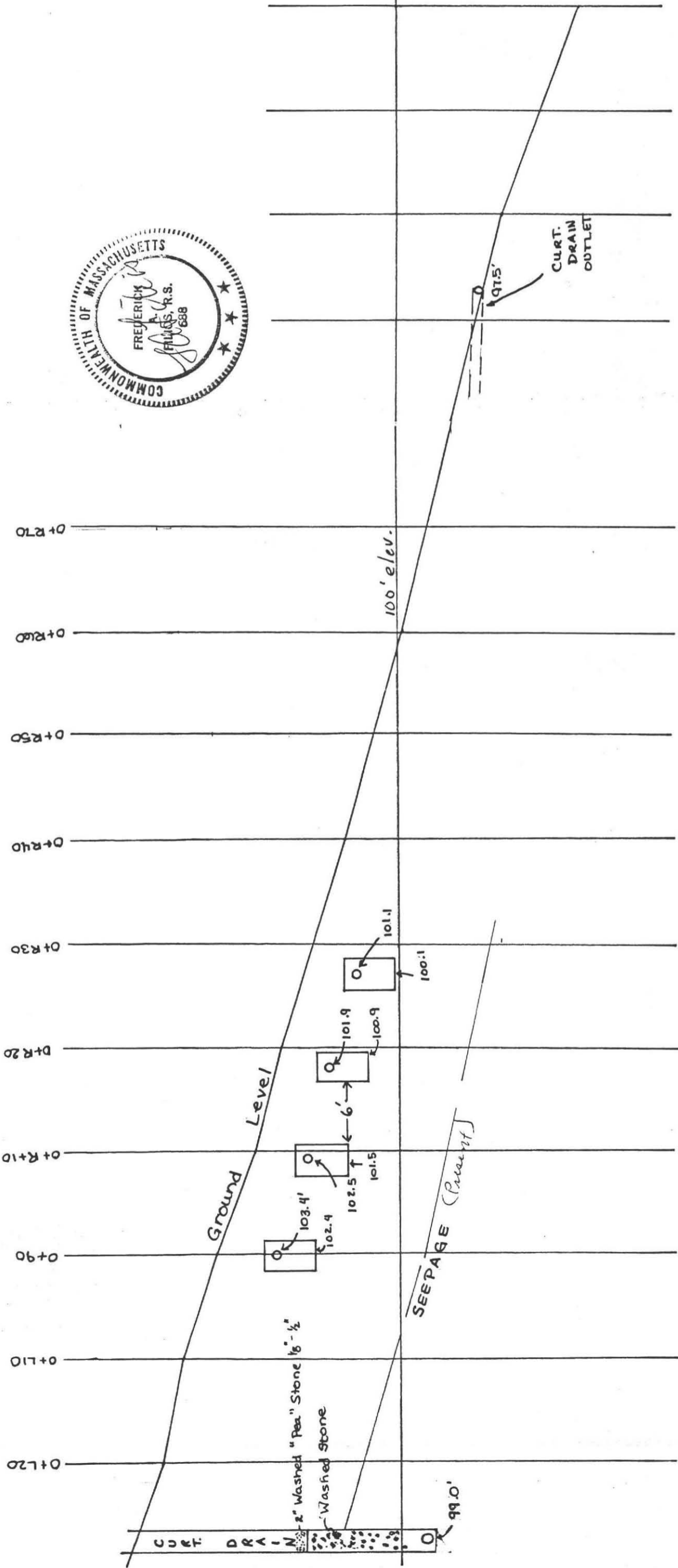
12 min./inch

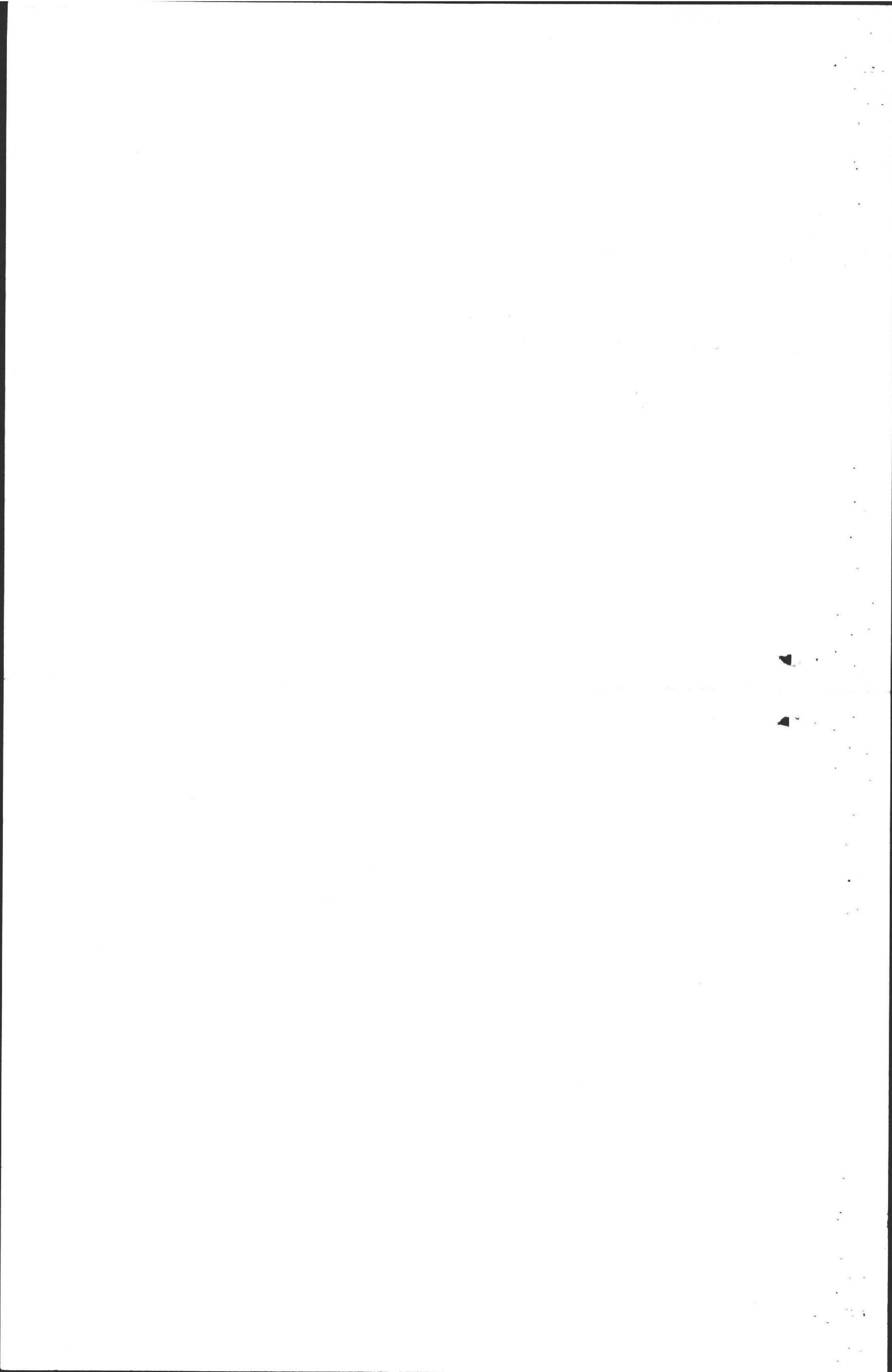






CROSS SECTION AT A-A' (0+90)







# PLAN SHOWING SEWAGE DISPOSAL SYSTEM

FOR: Albert Terault  
34 Logtown Road  
Amherst, MA

BY: FILIOS ENTERPRISES, Inc.  
69 Pelham Road  
Amherst, MA 01002

DATE: MARCH 8, 1988

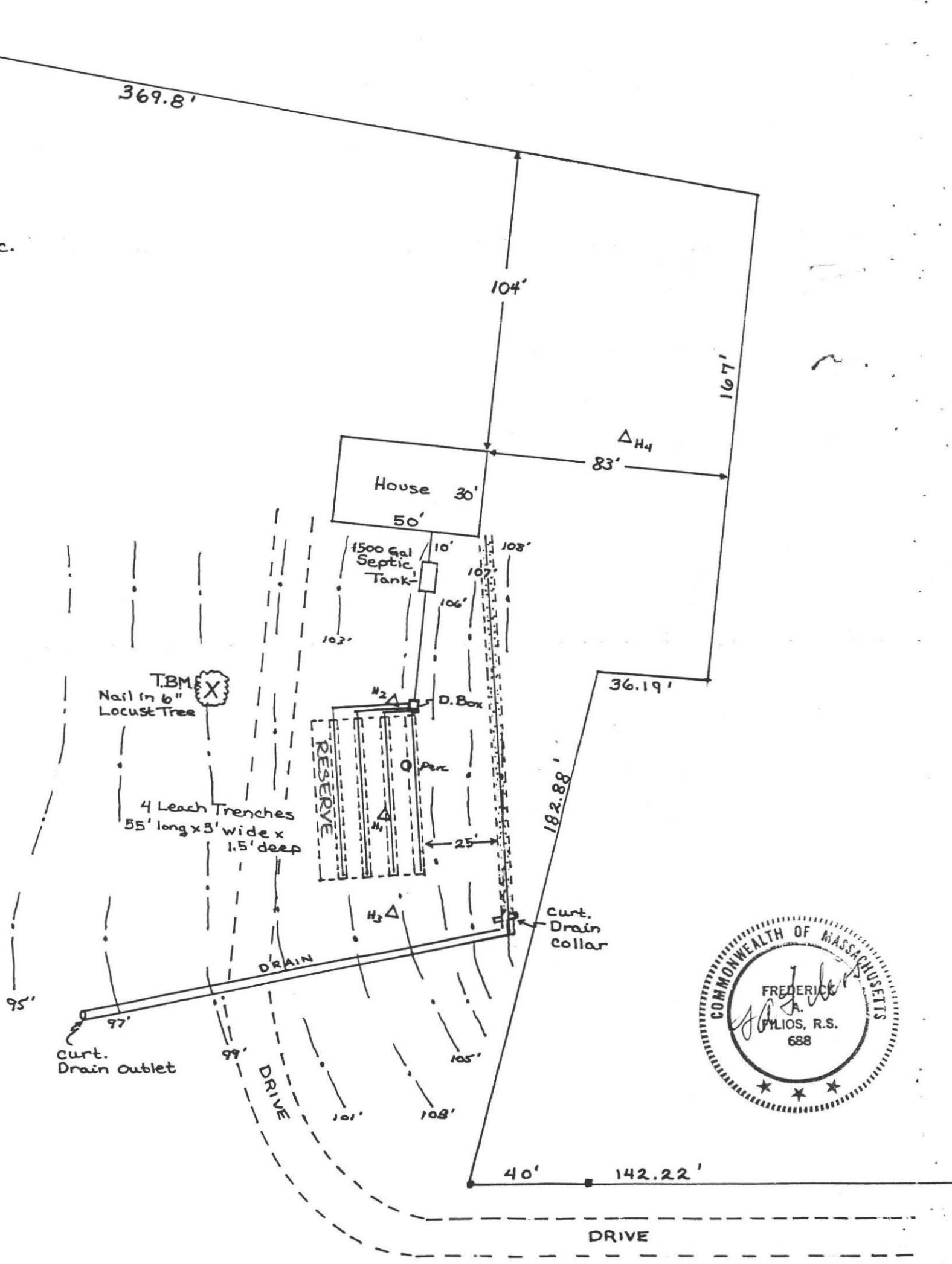
SCALE: 1" = 40' 00"

SITE: Leverett Road  
Amherst, MA



AREA = 3.023 ± Ac.

445'



Vertical text on the left margin, possibly bleed-through from the reverse side of the page.

115

Faint horizontal text across the middle of the page, likely bleed-through from the reverse side.

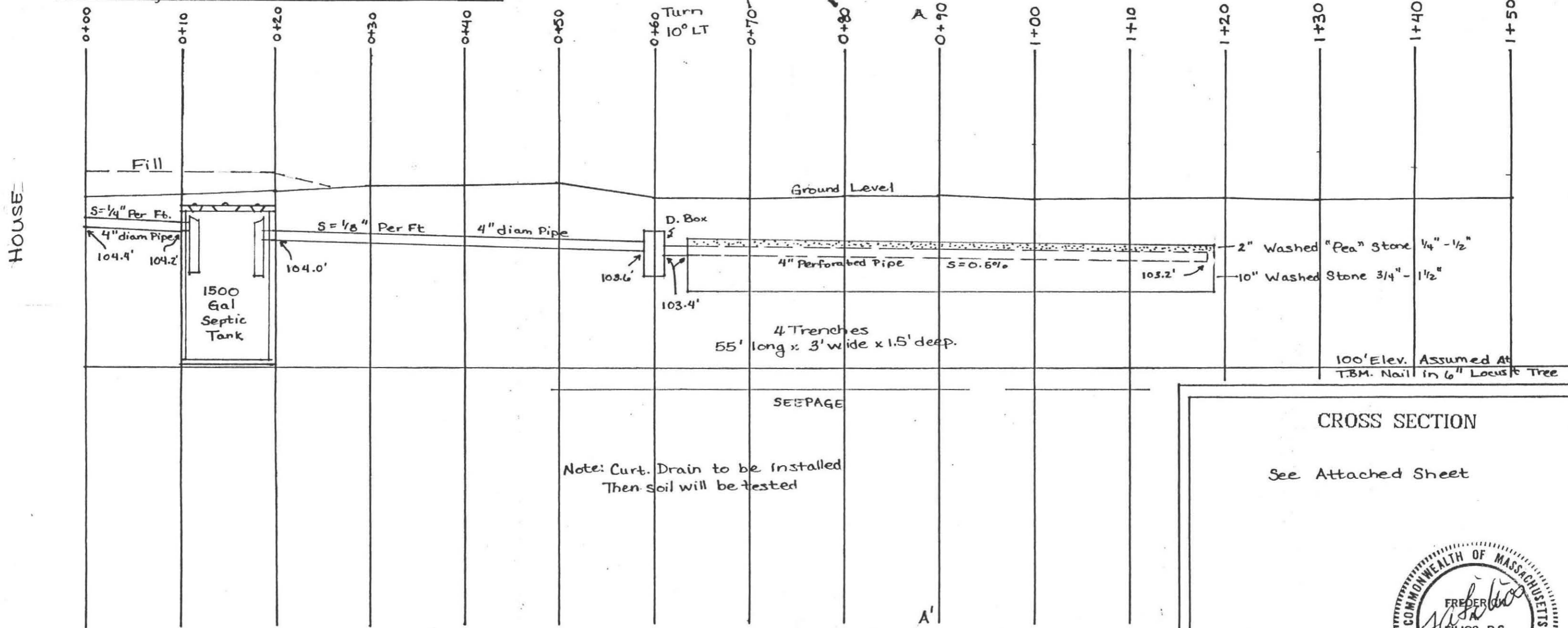
Small vertical text or mark located near the bottom center of the page.

PROFILE OF SEPTIC SYSTEM

BY: FILIOS ENTERPRISES INC.  
69 PELHAM RD.  
AMHERST MA 01002 W.T.

DATE: March 8, 1988  
SCALE: Horizontal 1" = 10'  
Vertical 1" = 3'

FOR: Albert Terault  
SITE: 34 Logtown Road Amherst, MA  
Leverett Road  
Amherst, MA



SPECIFICATIONS

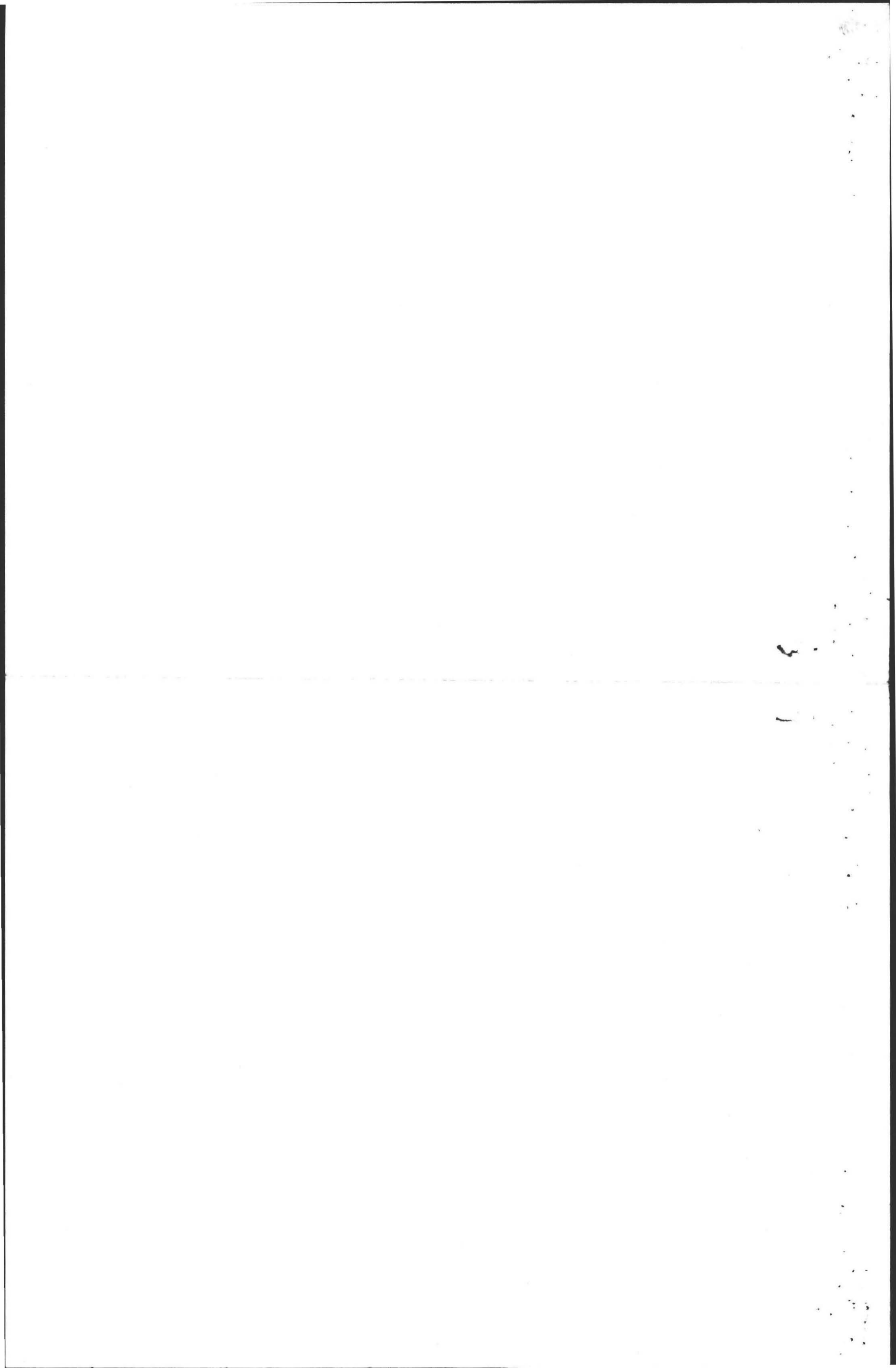
All materials and construction will be in accordance with Commonwealth of MA D. E. Q. E. State Environmental Code Title 5.

CALCULATIONS

4 bdm x 110 Gal/Hay bdm = 440 Gal Required /day  
440 Gal x 1.25 (Amherst Reg.) = 550 Gal/day  
Perc. Rate = 15 min /inch  
Sides = 0.66 Gal/S.F. : Bottom = 0.43 Gal/S.F.  
4 Trenches 55' long x 3' wide x 1.5' deep  
Sides: 4 x 55' x 2 x 1' = 440 S.F. x 0.63 Gal/S.F. = 290.4 Gals.  
Bottom: 4 x 55' x 3' = 660 S.F x 0.43 Gal/S.F. = 283.8 Gals.  
Total Available = 574.2 Gal/day

CROSS SECTION  
See Attached Sheet

The seal is circular with the text 'COMMONWEALTH OF MASSACHUSETTS' around the top edge and 'FREDERIC FILIOS, R.S. 688' in the center. There are three stars at the bottom of the seal.



Town of



AMHERST Massachusetts

AMHERST HEALTH DEPARTMENT  
(413) 253-7077

March 17, 1988

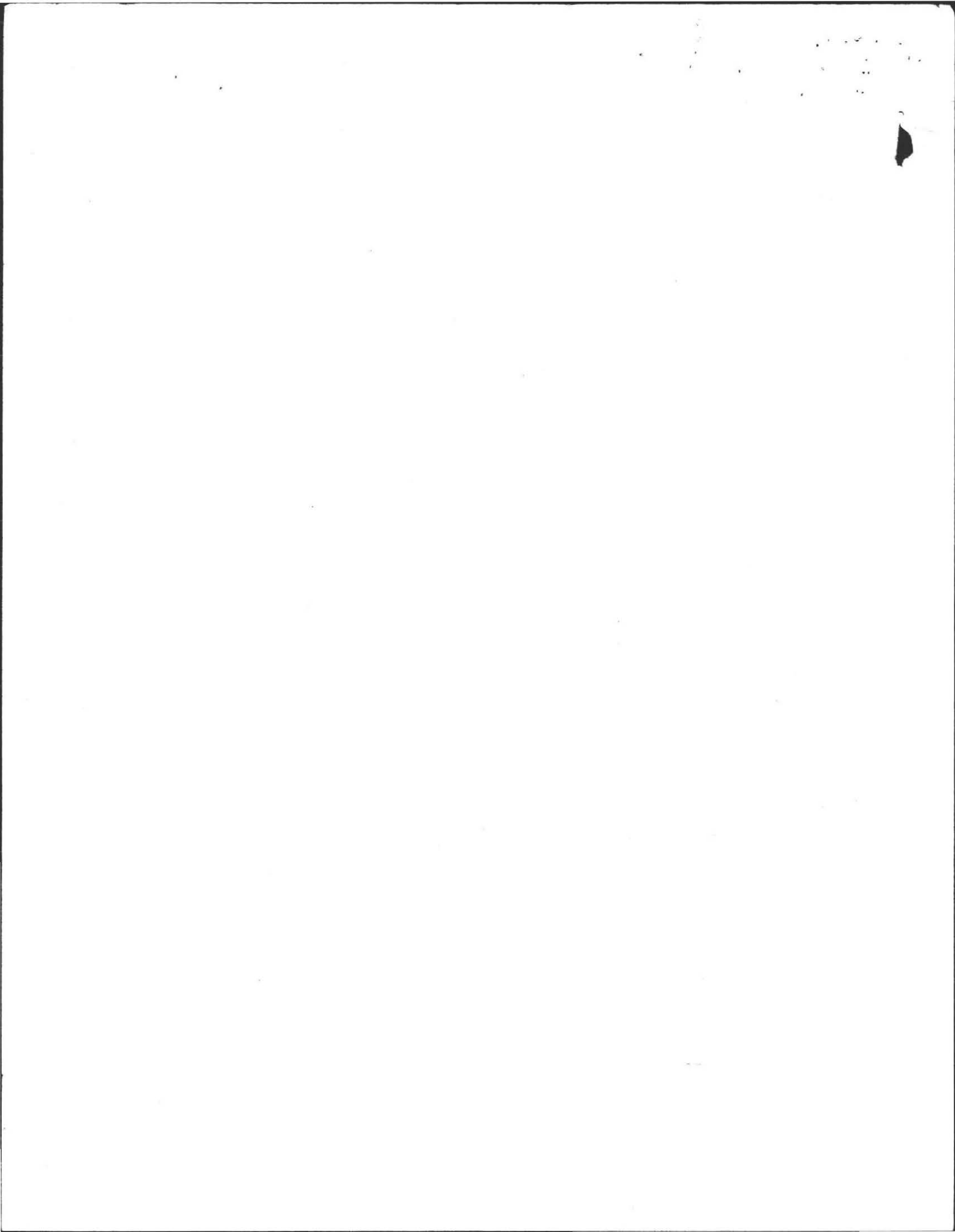
To: Albert Terault  
From: Dennis Pinski  
Re: Lot on Leverett Road

# 98  
Leverett Rd

As a follow-up to our telephone conversation earlier today, I have reviewed specifications for the proposed subsurface drain for your lot on Leverett Road.

Please contact me (253-7077) after the drain is installed so that we can arrange to take new groundwater elevation readings at this site.

*NOTE: New groundwater determinations made and new percolation tests conducted on April 1, 1988. Hold for new plans.  
Drain installed by William Siemata P.E.; he will also be designing new plans.*



PERCOLATION TEST TABULATION:

Perc test                  Perc test  
 # 1                                  # 2  
 depth 51"                                  depth 51"

START PRESOAK	9 <sup>54</sup> am	10 <sup>08</sup> am	
END PRESOAK	10 <sup>09</sup> am	10 <sup>23</sup> am	
TIME @ 12"	10 <sup>09</sup> (15")	10 <sup>23</sup> (14")	
TIME @ 9"	10 <sup>23</sup> (12")	10 <sup>48</sup> (11")	
TIME @ 6"	10 <sup>43</sup> (9")	11 <sup>32</sup> (6")	
ELAPSED TIME 9"-6"	20 min.	44 min / 4 <sup>3</sup> / <sub>4</sub> inches	
RATE (MIN/IN)	7 min./inch	~ 10 min./inch	

BREAKDOWN BY INCH: (optional)

12"				
11"				
10"				
9"				
8"				
7"				
6"				

Wells or Septic Systems Nearby: \_\_\_\_\_

House Style: \_\_\_\_\_ Desired Orientation: \_\_\_\_\_

House Dimensions: \_\_\_\_\_ # Bedrooms: \_\_\_\_\_

Excavation By: \_\_\_\_\_

Copies Sent: Board of Health \_\_\_\_\_ Client \_\_\_\_\_

*Measurements of test pits were taken off property pins ("A", "B", "C") and front property line.*

	A	B	C
Perc Test 1	35'	52'	
Perc Test 2	80'	87'	
Test Pit 1	53'	68'	
Test Pit 2	X	<del>72'</del>	72'

X - 42' from front p.l.

~~---~~

LOCATION OF PROP.: *Albert Terault*  
*Leverett Road*  
*Amherst, MA*

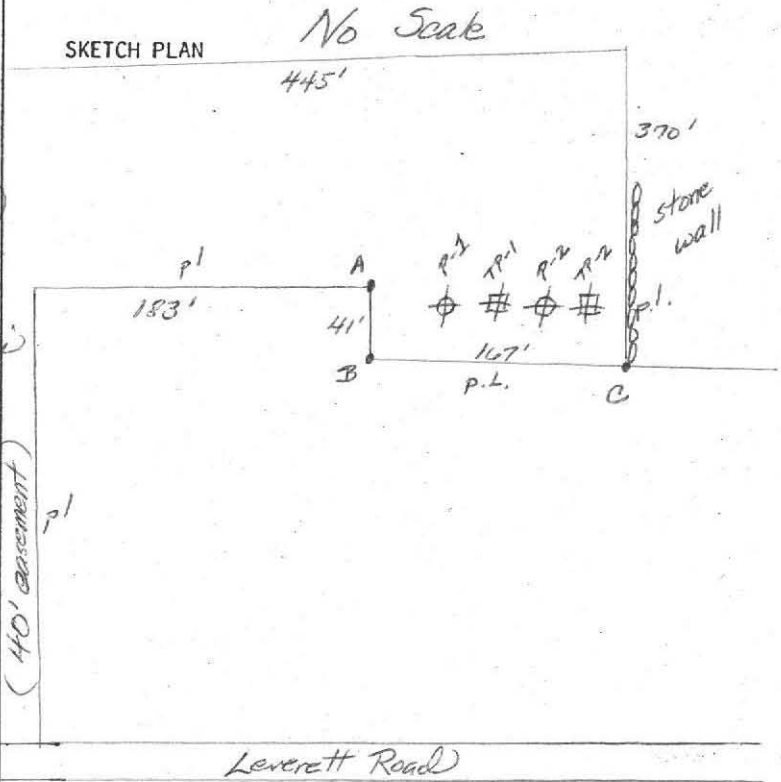
LOT NO.:

DATE PERFORMED: *April 1, 1988 (Initial testing March 3, 1988 with Fred Filias)*

PERFORMED BY: *Wm. Sieruta P.E.*

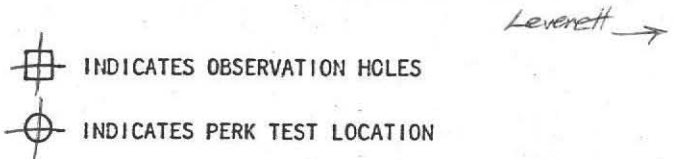
WITNESSED BY: *for Amherst Health Dept.: D. P. Pinki*

PERK TEST RESULTS: (tabulation on back)

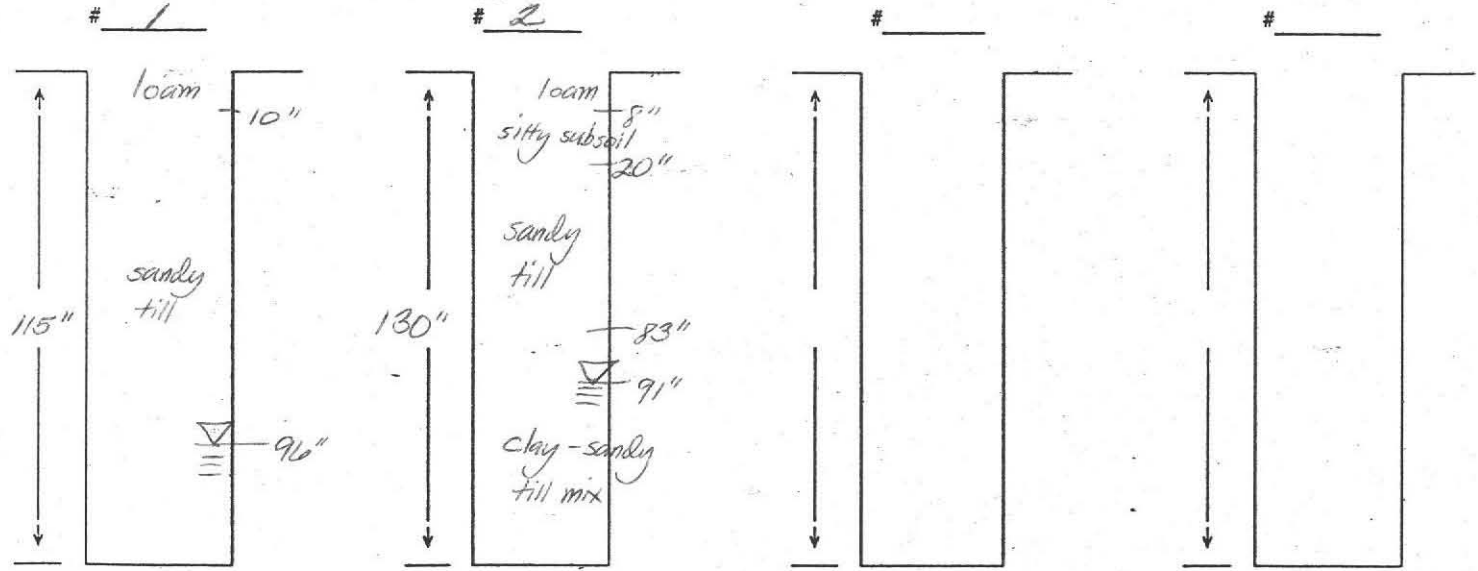


1. *see back page*
- 2.
- 3.
- 4.

COMMENTS: *Initial testing conducted 3/1/88. Subsurface drain installed to lower groundwater. New engineer asked for retest of lot in an area where he felt septic system could be more appropriately located. Area tested 4/1/88 appears to be suitable for the location of a leaching system. Hold for new plan.*



▽ denotes OBSERVATION HOLES  
 ≡ groundwater



Note - testing conducted in location of test pit #7 (3/1/88).



AMHERST HEALTH DEPARTMENT  
BANGS COMMUNITY CENTER  
70 BOLTWOOD WALK  
AMHERST, MA 01002

March 2, 1988

To: Betty Anderson Frederic

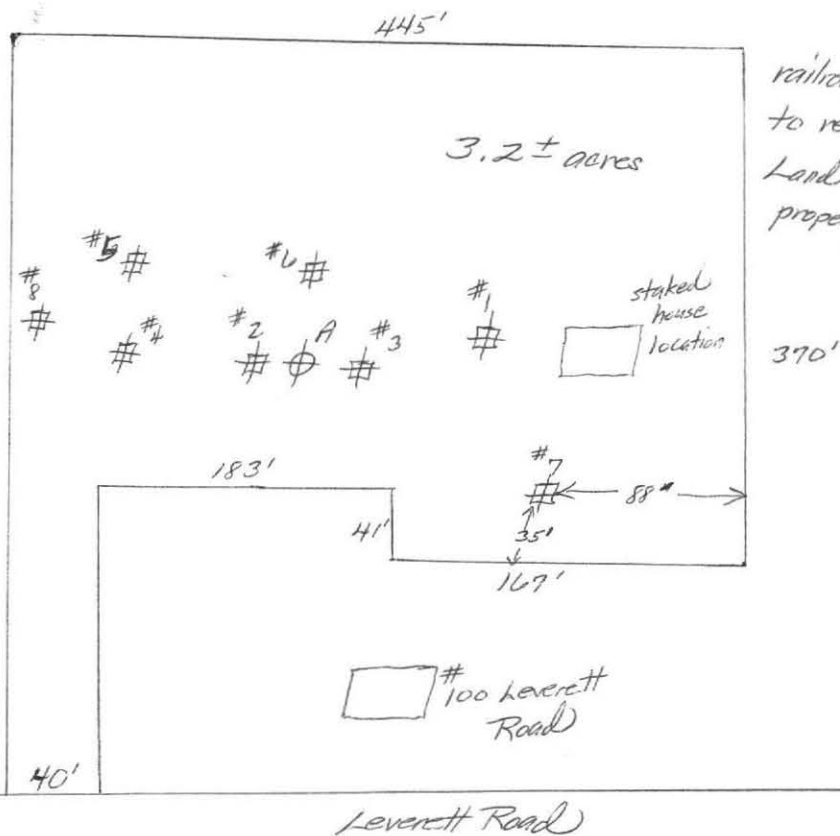
From: Dennis Pinski

Re: Lot inspection for Albert Tetrault

New lot inspection was conducted on March 1, 1988 for Mr. Albert Tetrault for property located behind 100 Leverett Road (lot adjacent to Leverett Rd - Pulpit Hill Road intersection).

Enclosed is a rough sketch of the site and a copy of the soil log and percolation test information.

Test pit #2 left  
137' from side p.l.  
Test pit #3 left  
188' from side prop line



railroad track run parallel to rear property line. Land slopes toward rear of property

← Amherst Center

System to be designed in area of test pits #2+3.



LOCATION OF PROP.: *Albert Tetmatt*  
*Levrett Rd*  
*Amherst, MA*

LOT NO.:

DATE PERFORMED: *March 1, 1988*

PERFORMED BY: *Fred Filios*

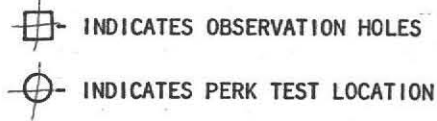
WITNESSED BY: *(Dennis) Pinski for Amherst*  
*Health Dept.*

PERK TEST RESULTS: (tabulation on back)

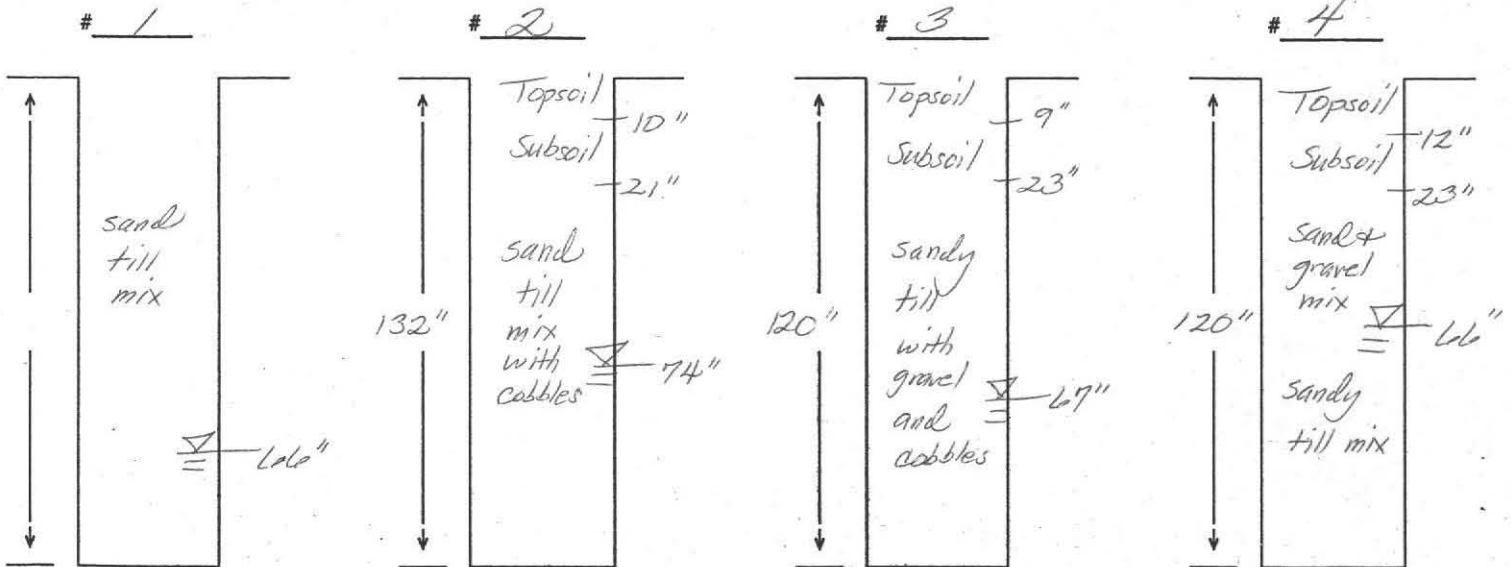
1. A Soak  $10^{16} + 10^{33}$   
 2.  $12'' 10^{34}$   
 3.  $9'' 10^{50}$   
 4.  $6'' 11^{32}$  } Test Rate - 12 min./inch

COMMENTS:

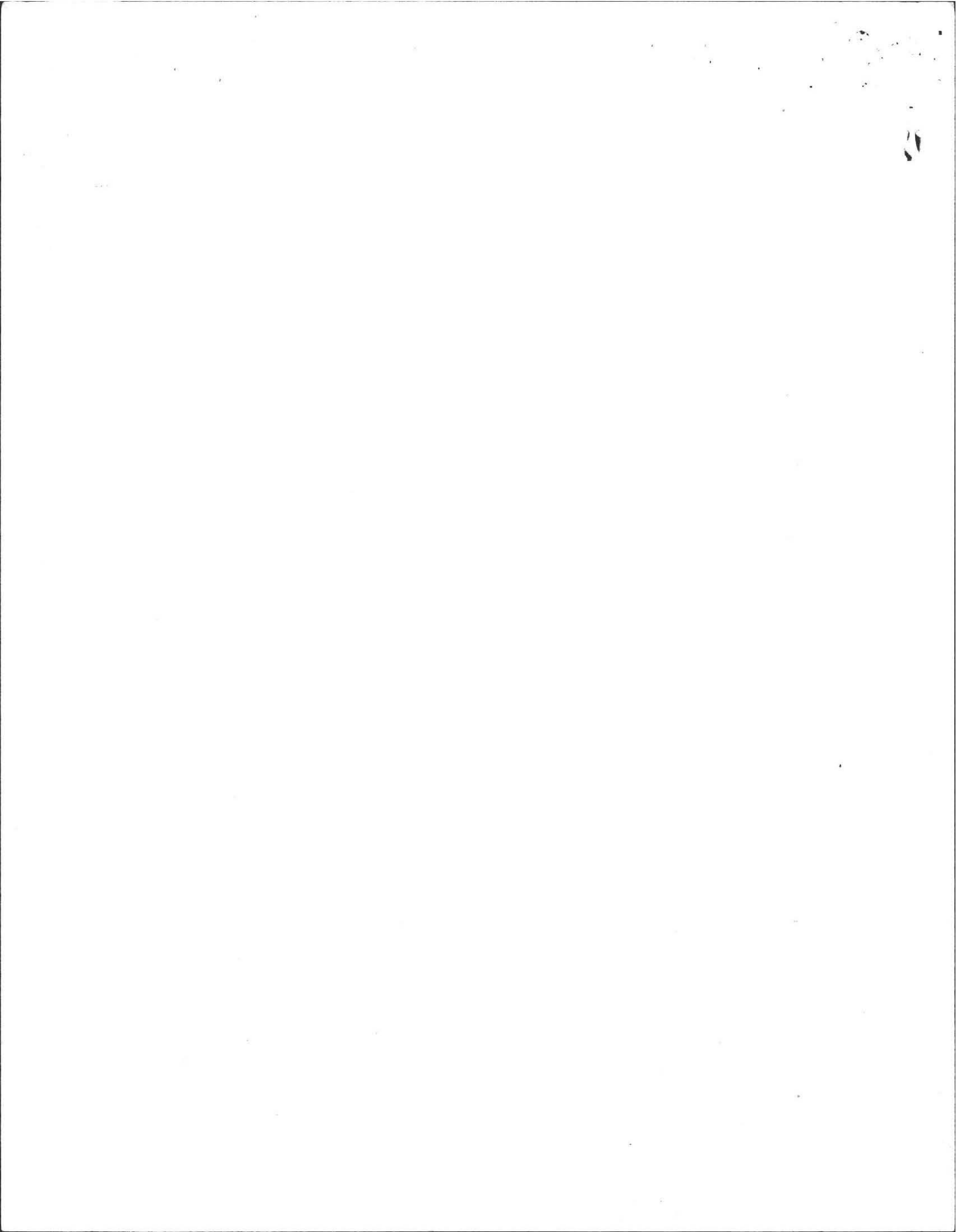
SKETCH PLAN



▽ denotes groundwater  
 OBSERVATION HOLES



test pit discontinued;  
 new site explored



LOCATION OF PROP.: *Albert Tetrault*

*Leverett Rd.*

LOT NO.: *Amherst, MA*

DATE PERFORMED: *March 1, 1988*

PERFORMED BY: *Fred Filias*

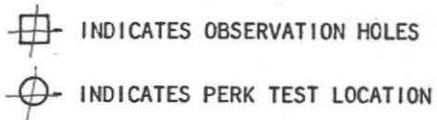
WITNESSED BY: *for Health Dept.: Dennis Pinski*

PERK TEST RESULTS: (tabulation on back)

- 1.
- 2.
- 3.
- 4.

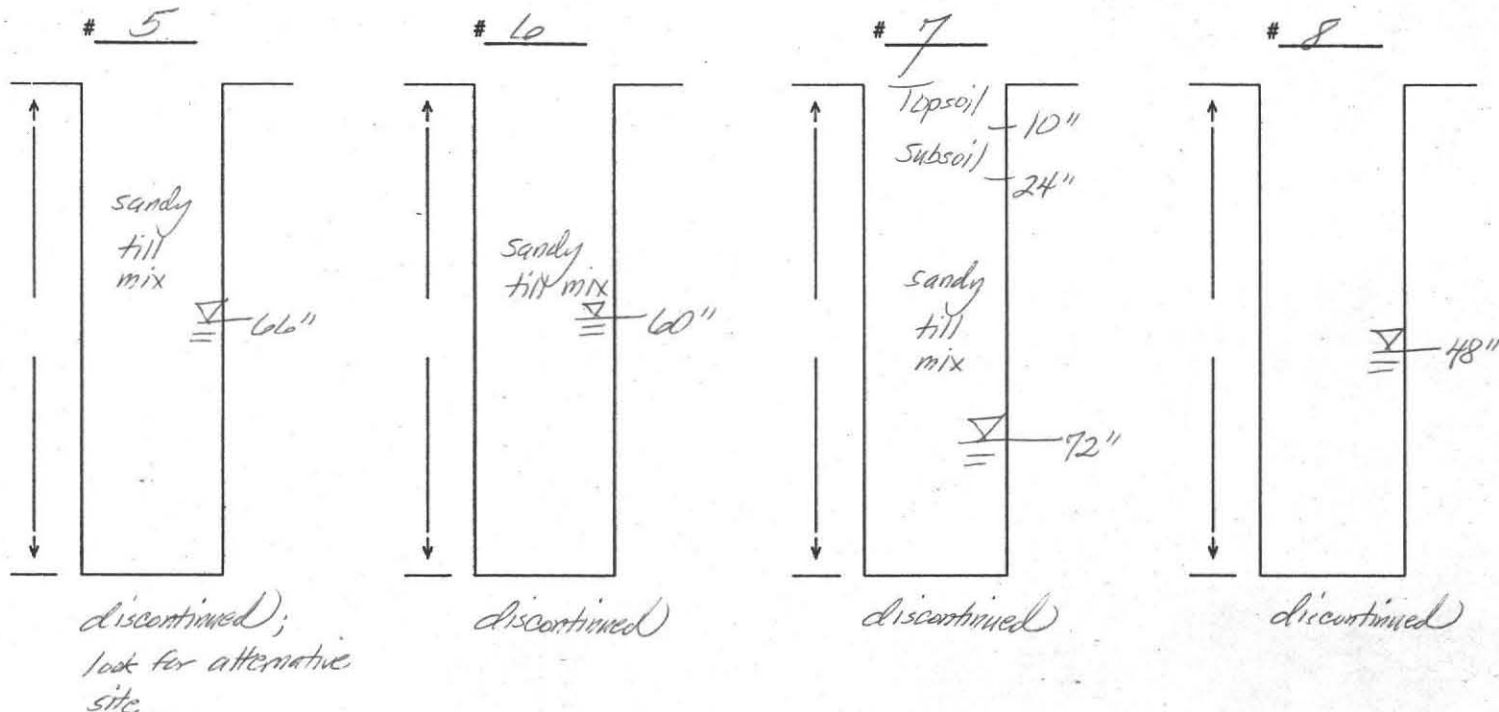
COMMENTS:

SKETCH PLAN



$\nabla$  denotes groundwater

OBSERVATION HOLES



Betty McArthur  
Director of Business Affairs

JUL 21 1988

William J. Sieruta  
46 Upland Road  
Holyoke, MA. 01040

June 25, 1988

Amherst Board of Health  
Attention: Denis Pinski  
Boltwood Walk  
Amherst, MA. 01002

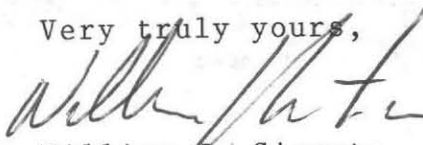
Mr. Pinski:

This letter is to certify that the septic system at 96 Cushman Road (Cushman Village) Amherst has been installed in compliance with 310 CMR 15 (Title 5) and the local Board of Health regulations.

The system as built is in accordance with the approved plan. The only variance is as follows:

The location of the building is approximately 20 ft. south of the preliminary plan. This is parallel with the septic system. The system is in the location as shown on the plan.

Very truly yours,

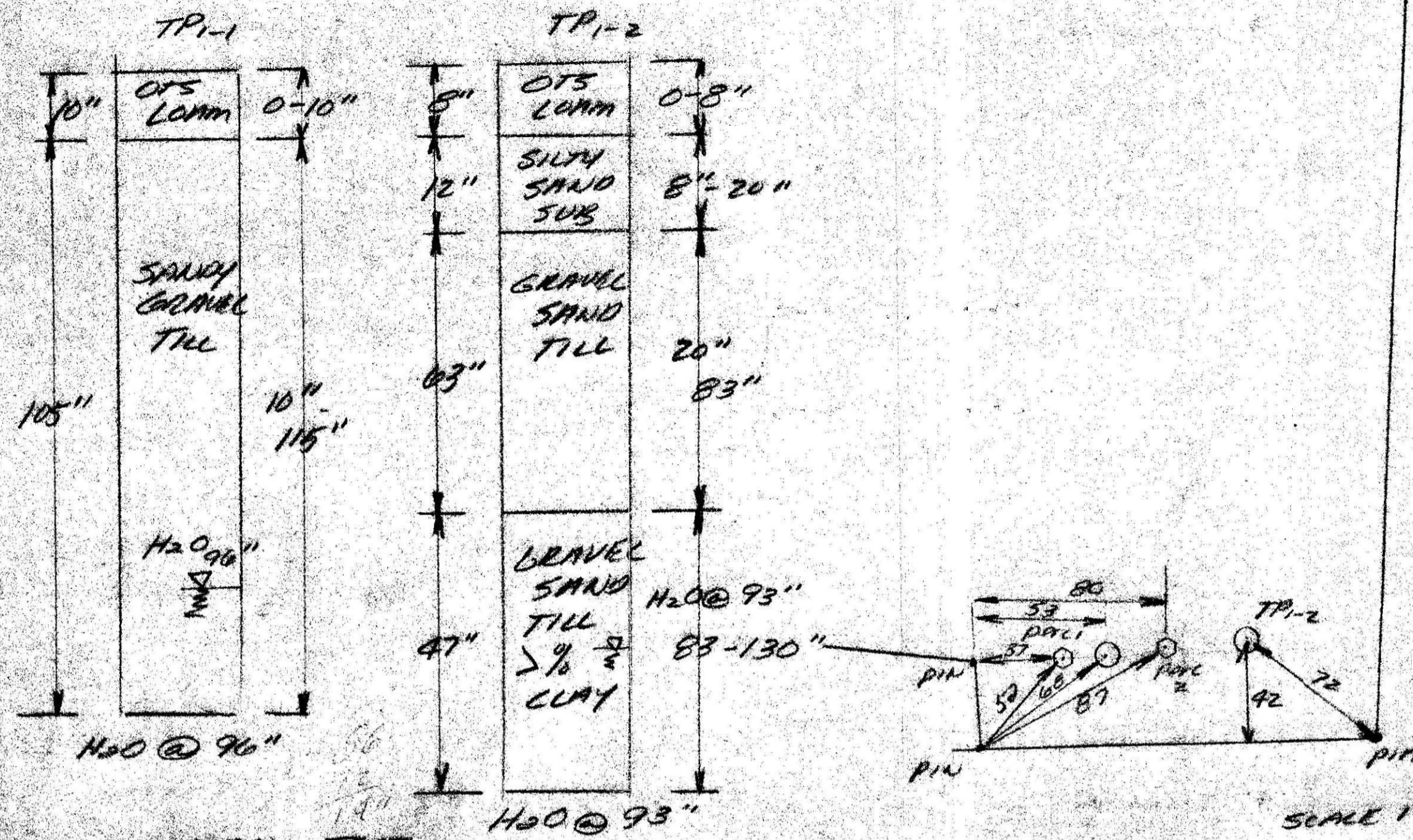


William J. Sieruta

1871

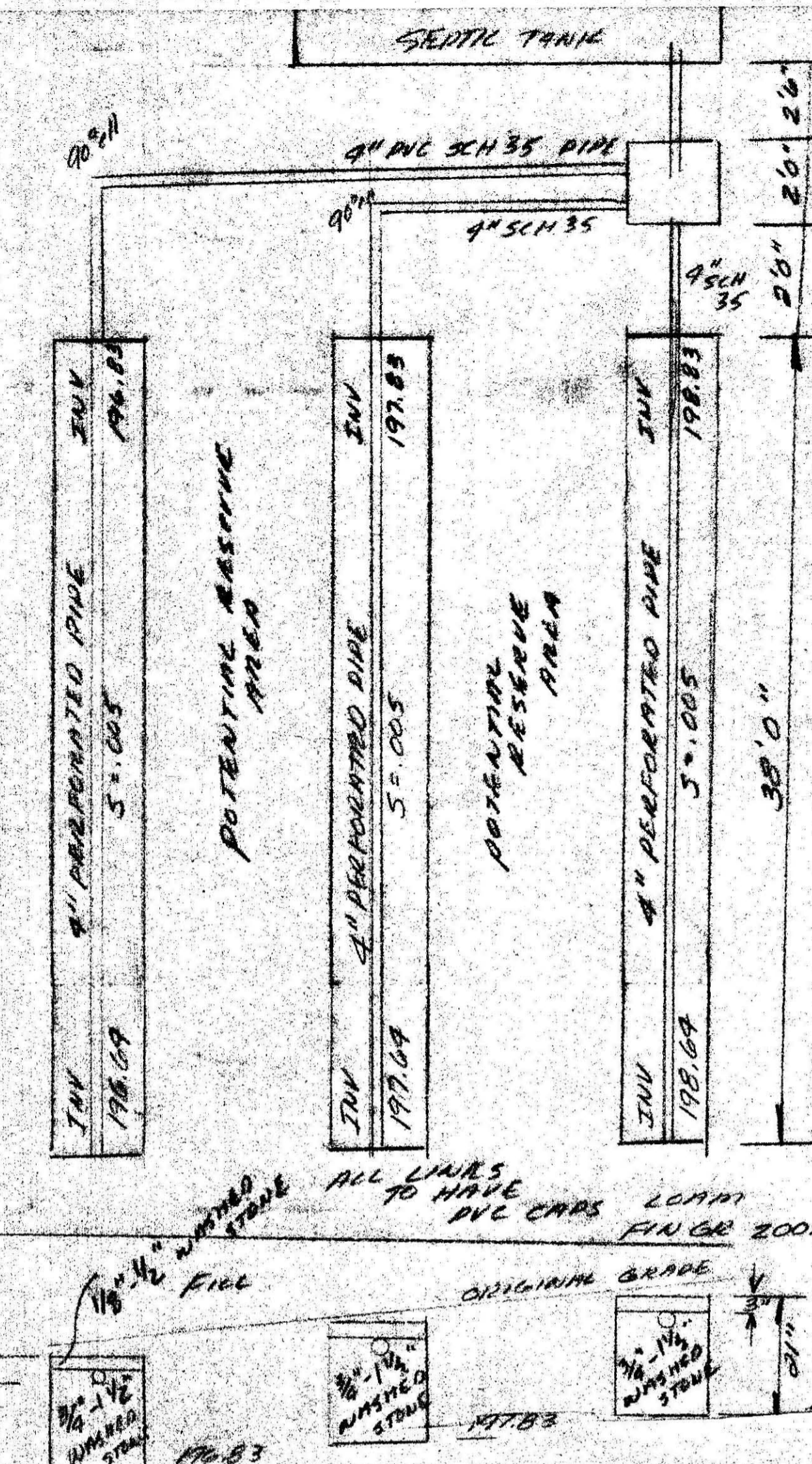
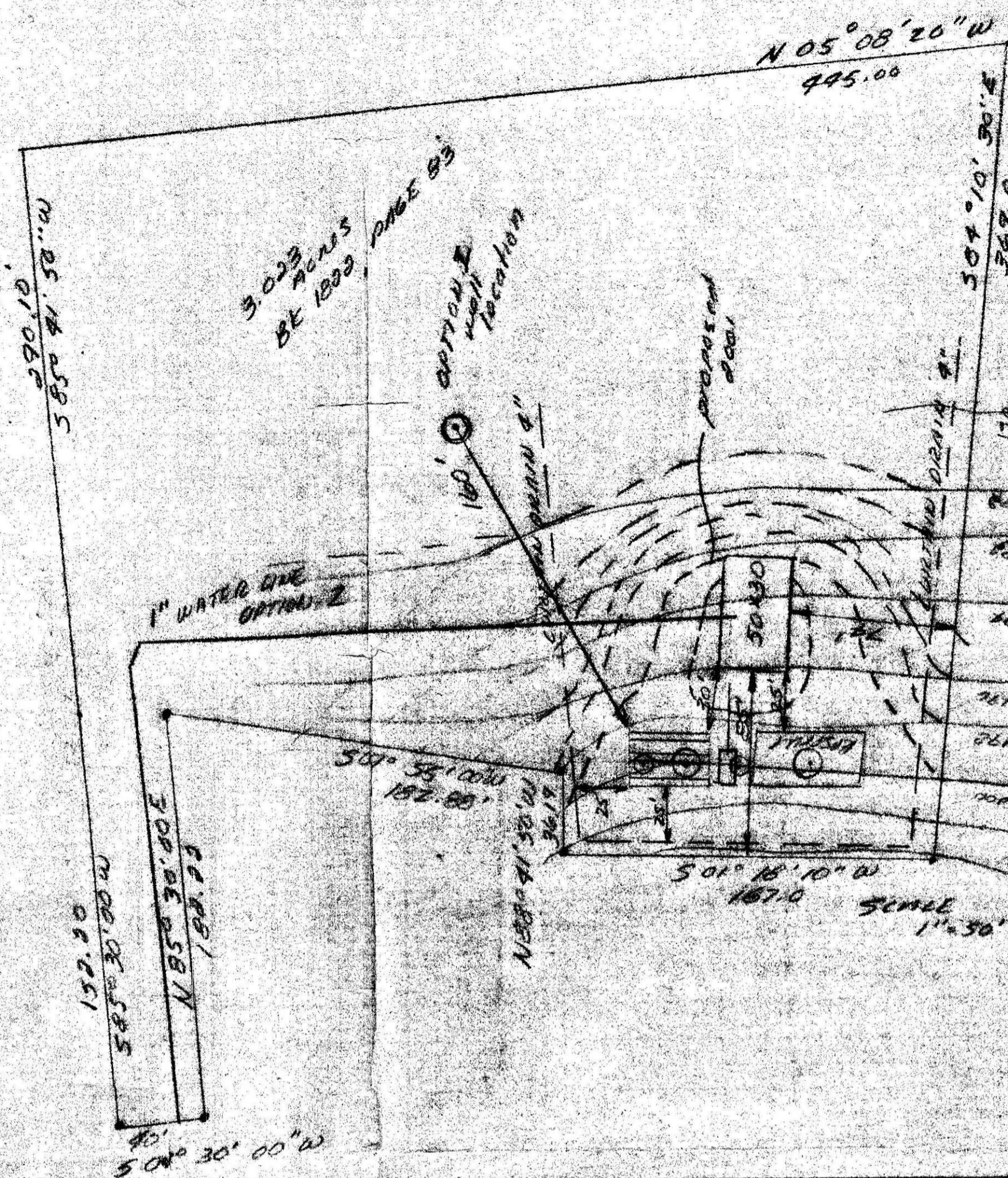


PERCOLATION TEST INFORMATION



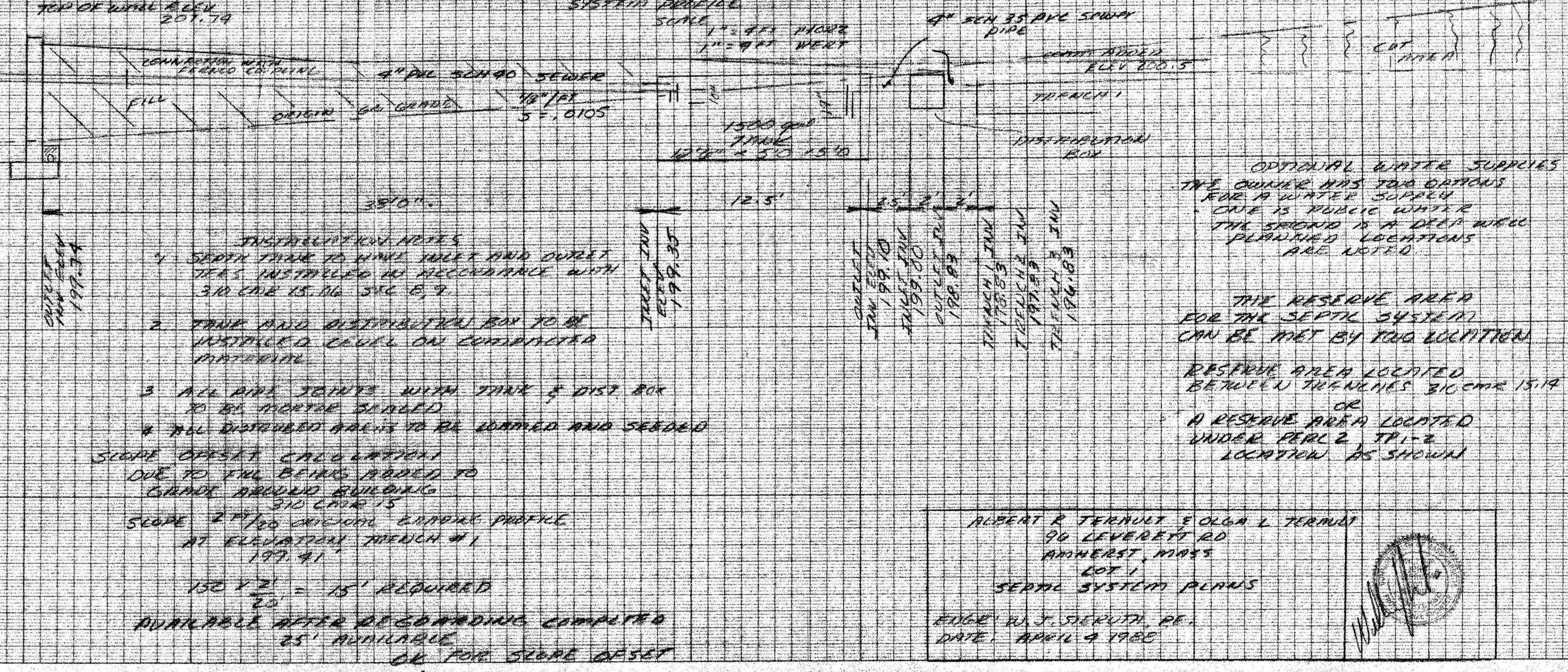
PERCOLATION TEST  
DEPTH 51" (18" hole)  
DATE APRIL 1 1988  
ENGINEER W. J. SIERUTA P.E.  
WITNESS D. PINSKI

PERL TEST 1  
ACTUAL RATE 6.66 min/inch  
DESIGN RATE 8.0 min/inch  
DEPTH 51"  
PERL TEST 2  
ACTUAL RATE 9.36  
DESIGN RATE 10.0 min/inch  
DEPTH 51"



HEALTH DEPARTMENT  
APR 0 6 1988

**DESIGN NOTES**  
ALL CONSTRUCTION TO BE IN ACCORDANCE WITH 810 CMR'S TITLE 5 AND LOCAL BOARD OF HEALTH REGULATIONS.  
FINISH CONTOURS TO BE ALTERED ELEVATION AT TEST PITS AND PERL SITES TO REMAIN 200 FEET TO FOUNDATION TO BE ADDED  
**DESIGN CRITERIA**  
USE SINGLE FAMILY RESIDENTIAL DWELLING 4 BEDROOMS, 2 1/2 BATHROOMS, FULL BMT NO DISPOSAL  
DESIGN FLOW 310 CMR 15.02 AND HEALTH DEPARTMENT 110 gal/bedroom x 4 bedrooms x 1.25 = 550 gals/day  
SEPTIC TANK 310 CMR 15.00 550 gal/day x 1500 = 825 gals USE 1500 GAL TANK PER OWNER'S REQUEST  
**LEACHING SYSTEM DESIGN**  
DUE TO SOIL CONDITIONS AND DEPTH TO WATER TABLE LEACHING TRENCHES ARE TO BE USED  
EFFECTIVE WIDTH 36" 310 CMR 15.14  
EFFECTIVE LENGTH 58' 3 TRENCHES 6 FT BETWEEN TRENCHES  
AREA USE 3 TRENCHES  
SIDEWALL (3 x 14" x 36" x 2) + (14" x 36" x 3) = 275.5 FT<sup>2</sup>  
BOTTOM (36" x 3 x 36") = 392 FT<sup>2</sup>  
PERMEABILITY  
392 x 1.43 + 275.5 x 1.25 = 559.9 gals/day OK FOR DESIGN



OPTIONAL WATER SUPPLIES THE OWNER HAS TWO OPTIONS FOR A WATER SUPPLY ONE IS PUBLIC WATER THE SECOND IS A DEEP WELL PLANNED LOCATIONS ARE NOTED  
THE RESERVE AREA FOR THE SEPTIC SYSTEM CAN BE MET BY TWO LOCATIONS RESERVE AREA LOCATED BETWEEN TRENCHES 310 CMR 15.14 OR A RESERVE AREA LOCATED UNDER PERL 2 TP1-2 LOCATION AS SHOWN

ALBERT R. FERRELL & OLGA L. FERRELL  
96 LEVERETT RD  
ANDOVER, MASS  
LOT 1  
SEPTIC SYSTEM PLANS  
ENGINEER W. J. SIERUTA P.E.  
DATE: APRIL 4 1988

