

1 TEABERRY LANE  
SUSAN DANOFF



No. 87-31

# Teaberry line

549-1059

#142

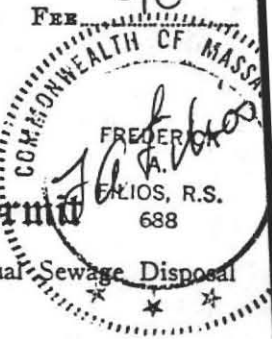
FEB 90

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:

142 Wildflower Rd Amherst Woods Lot 151  
William Pearson Location - Address  
RICH ROBERTS Owner  
4 Kingman Hill, Amherst, MA 01001  
LEVERETT MA Address  
Address

Type of Building Dwelling - No. of Bedrooms 3 Expansion Attic ( ) Garbage Grinder (YES) Other - Type of Building No. of persons Showers ( ) - Cafeteria ( ) Other fixtures

Design Flow 5.5 gallons per person per day. Total daily flow 49.5 gallons.  
Septic Tank - Liquid capacity 1500 gallons Length 10.5 Width 5 Diameter 5'4" Depth 5'4"  
Disposal Trench - No. Width Total Length Total leaching area 170 sq. ft. Side  
Seepage Pit No. 1 Diameter 25' x 9' Depth below inlet 2.5 Total leaching area 225 sq. ft. Bottom  
Other Distribution box ( ) Dosing tank ( )  
Percolation Test Results Performed by Tilden Enterprises, Inc. Date 1. Mar. 2, 1986  
Test Pit No. 1 2 minutes per inch Depth of Test Pit 10' Depth to ground water None  
Test Pit No. 2 2 minutes per inch Depth of Test Pit 12' Depth to ground water None

Description of Soil Attached

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 William E. Pearson 12-10-87

Application Approved By Dennis A. Pinski for Amherst Health Dept. 12/11/87 Date

Application Disapproved for the following reasons:

Permit No. Issued Date

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 Lot 151 - Wildflower Rd, Amherst Woods 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 5/26/88 Inspector for Amherst Health Dept. Dennis A. Pinski

\* System to be relocated per Title II requirements if any subsurface drains are to be located within 25 ft. of the septic tank or leaching area. CHECK OR FILL IN WHERE APPLICABLE

Septic Tank Classification - 5/24/88 system not completed.

NEED  
PARCEL

DEEP SOIL LOGS

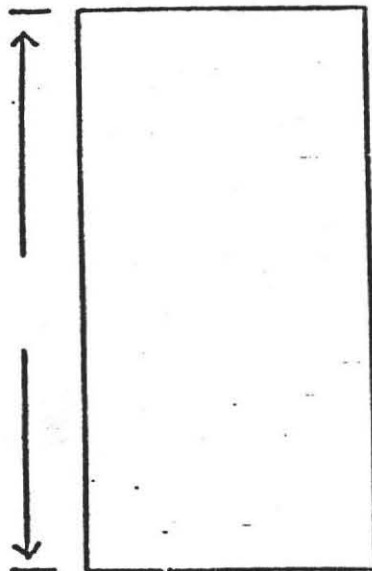
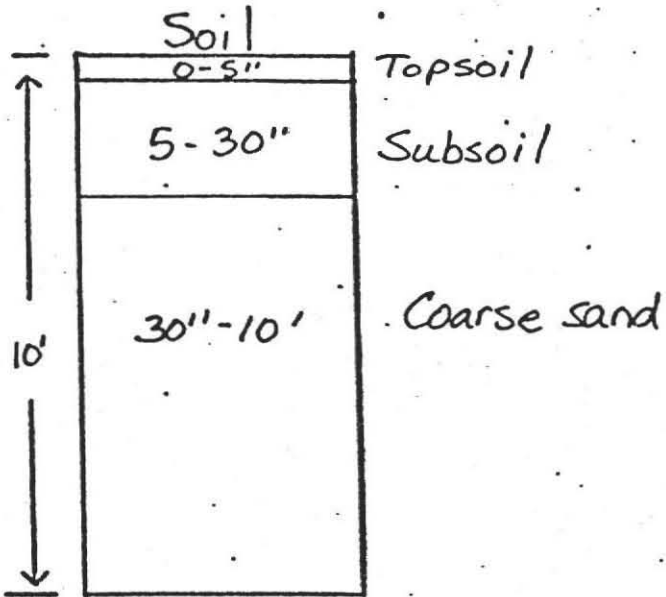
OWNER Jeffrey W. Flower

DATE March 7, 1986

LOCATION Lot 151 Amherst Woods  
Amherst, MA.

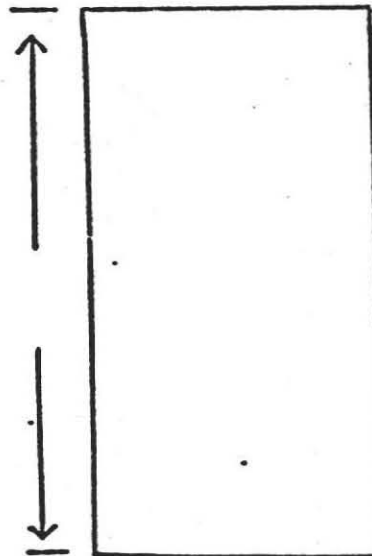
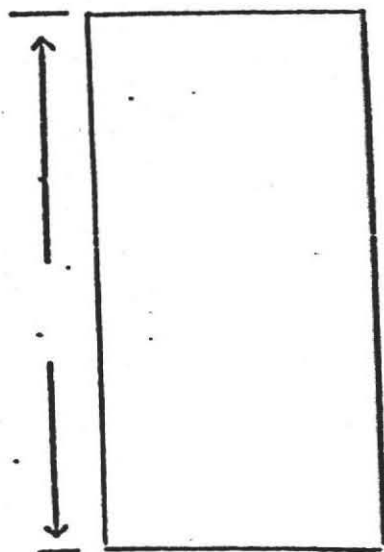
OBSERVER F. A. Filios

B of H C. Drake



GROUND WATER none

GROUND WATER \_\_\_\_\_



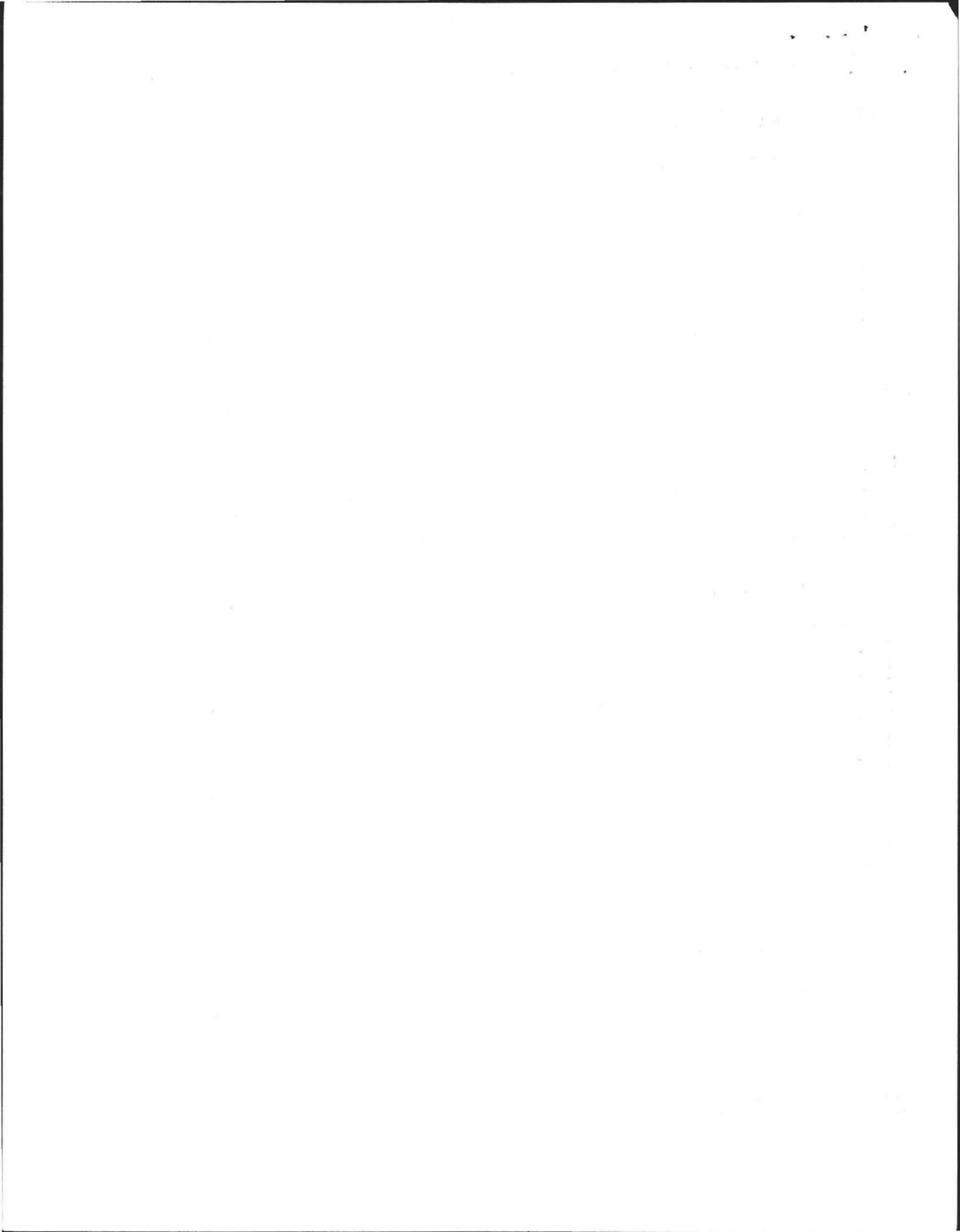
GROUND WATER \_\_\_\_\_

GROUND WATER \_\_\_\_\_

PERCOLATION RATE AT 44 :

< 2 min./inch





DEEP SOIL LOGS

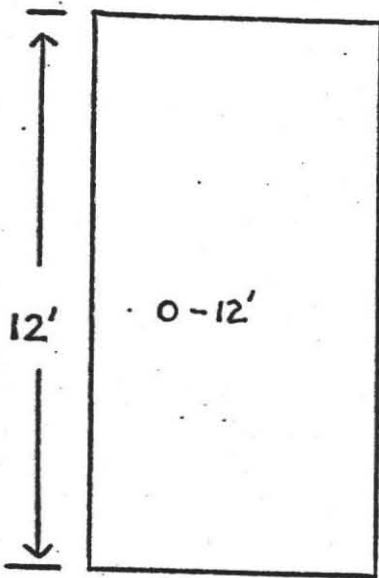
OWNER William Pearson

DATE November 20, 1987

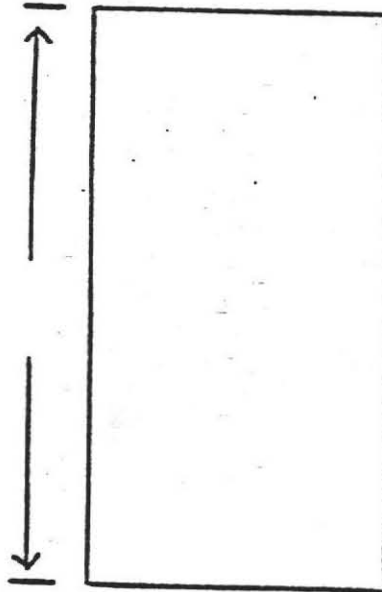
LOCATION Lot # 151, Wildflower Dr.  
Amherst Woods

OBSERVER Peter Kolodziej

B of H Amherst

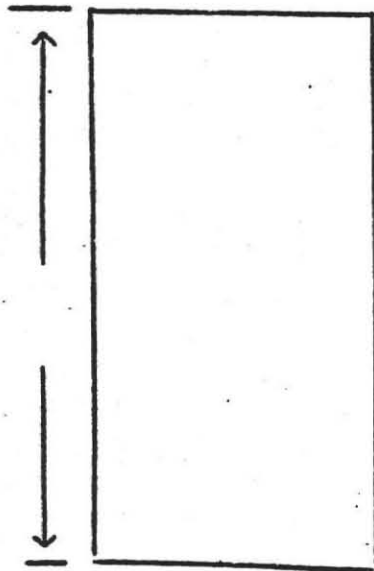


Mixture of Coarse  
And Fine Sands

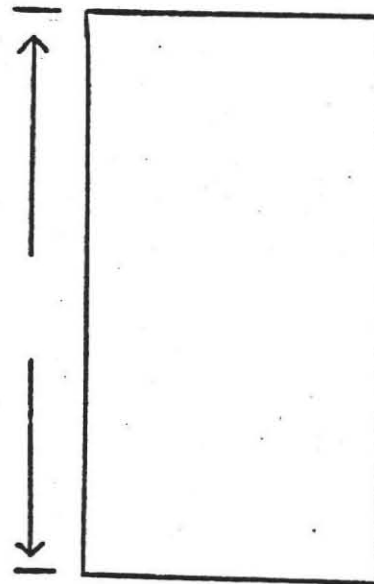


GROUND WATER None

GROUND WATER \_\_\_\_\_



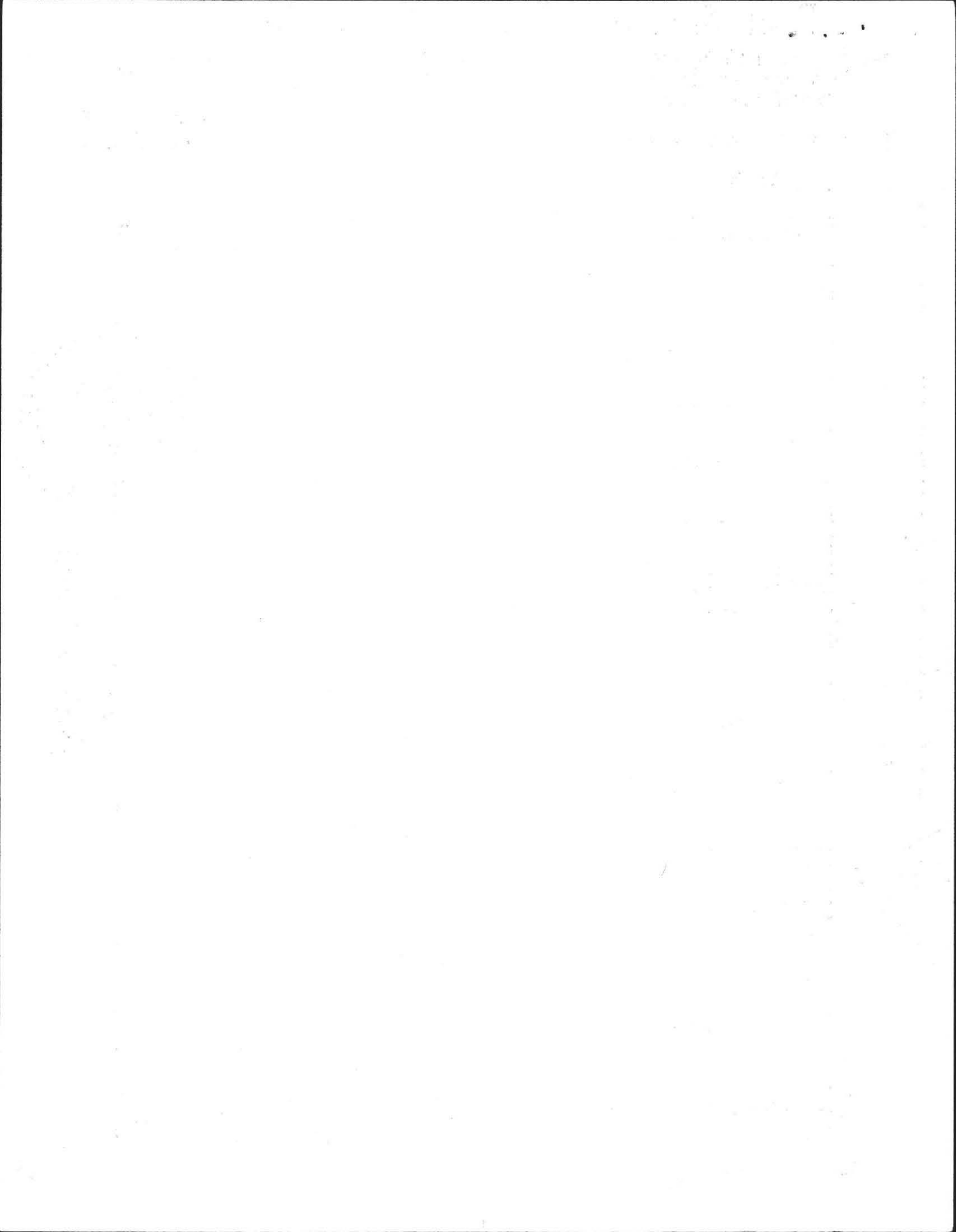
GROUND WATER \_\_\_\_\_



GROUND WATER \_\_\_\_\_

PERCOLATION RATE AT \_\_\_\_\_ :

min./inch





# PLAN SHOWING SEWAGE DISPOSAL SYSTEM

For: William Pearson  
4 Kingman Hill  
Amherst, Ma. 01002

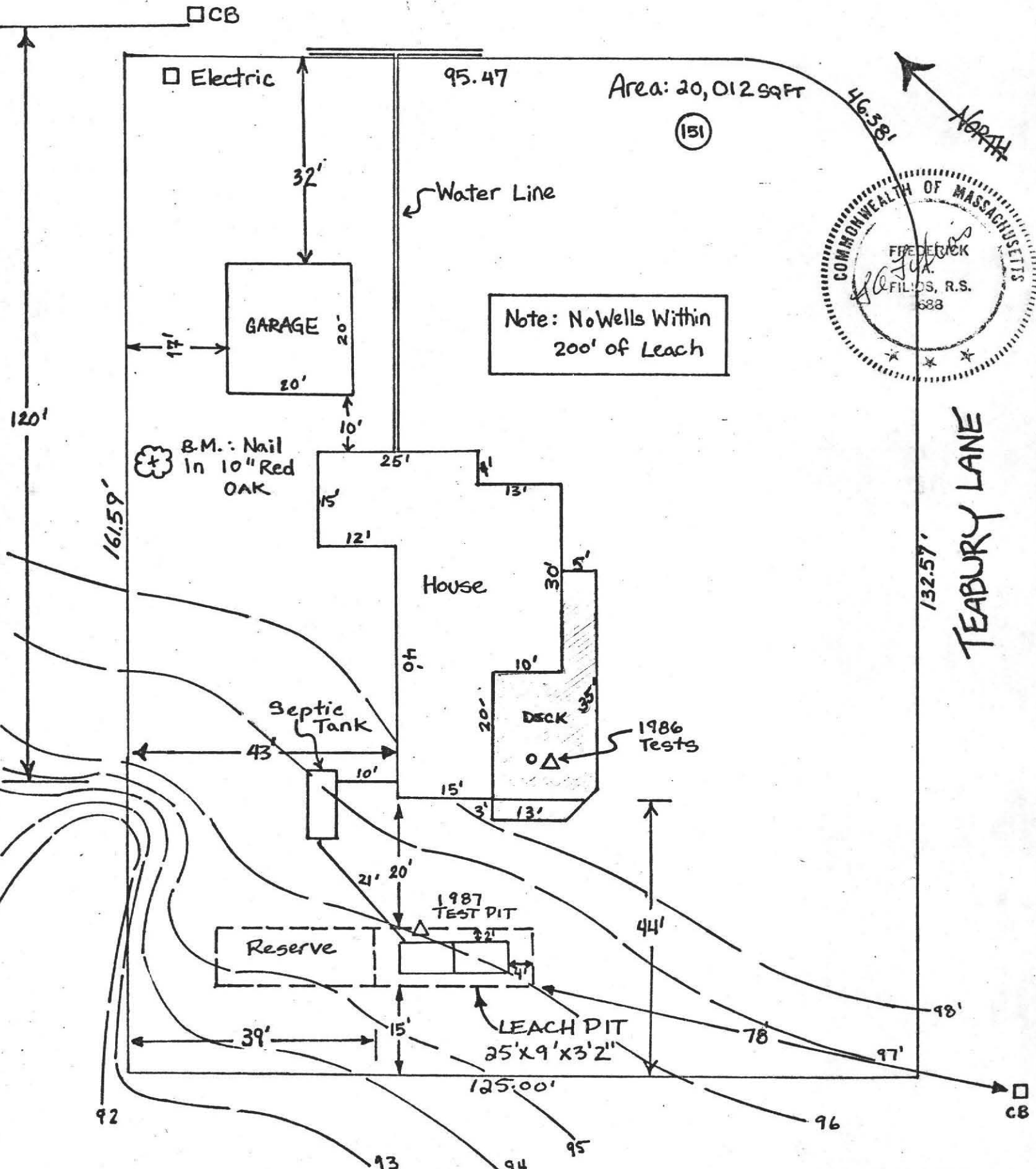
By: Filios Enterprises, Inc.  
69 Pelham Road  
Amherst, MA.

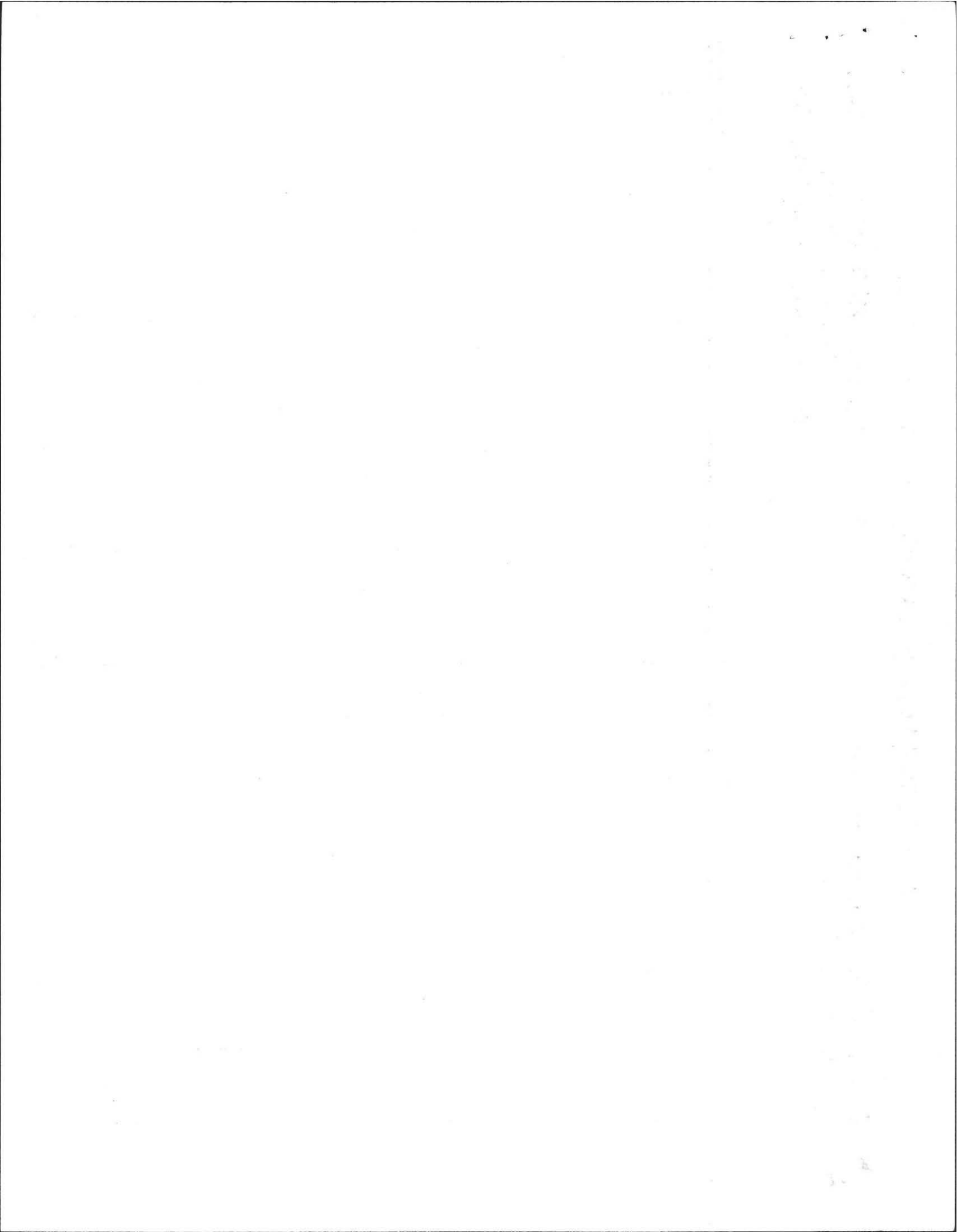
R.W.S.

Date: 12/10/87  
Scale: 1" = 20'

SITE: LOT 151 Wildflower Dr.

Wildflower Dr.



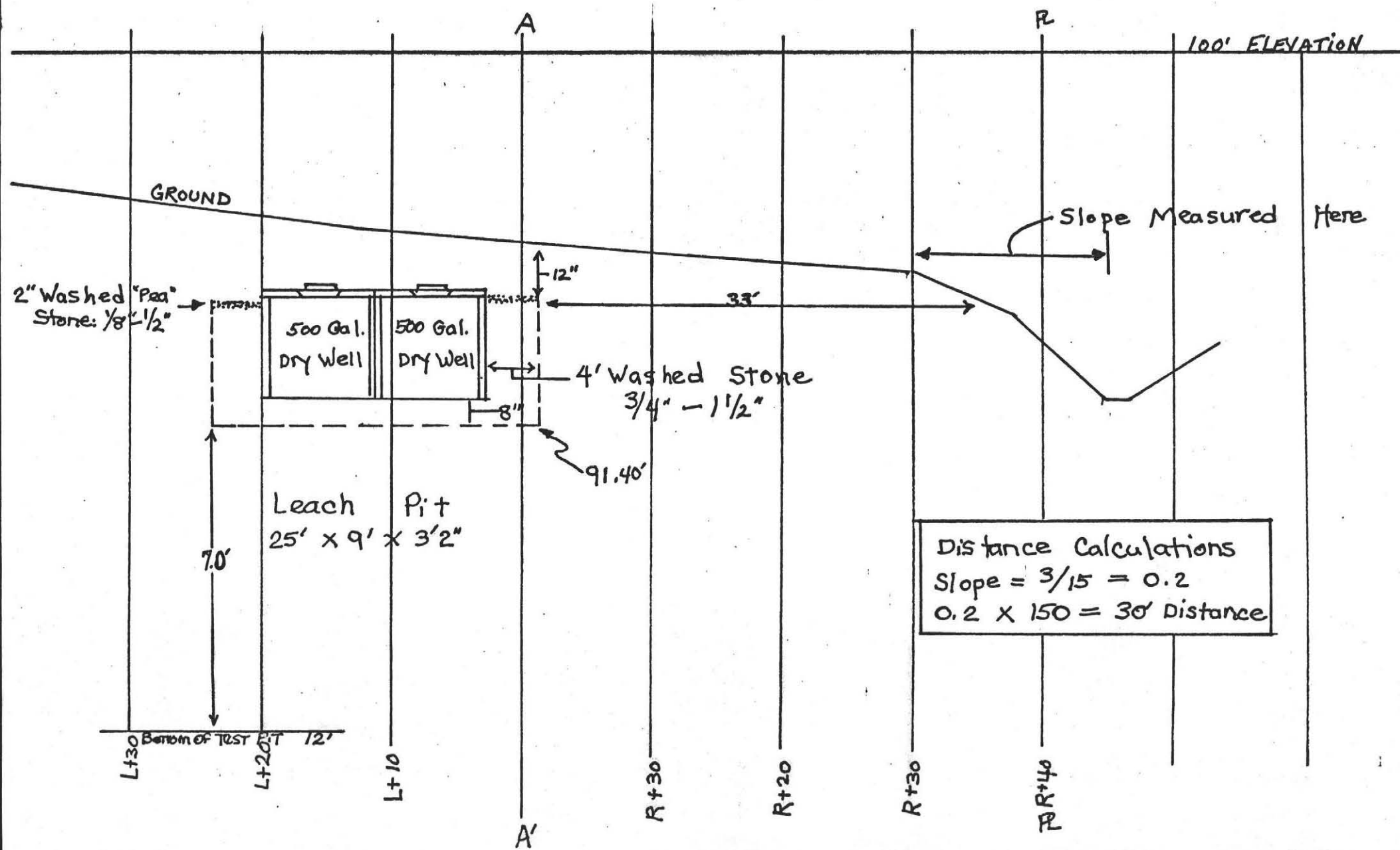


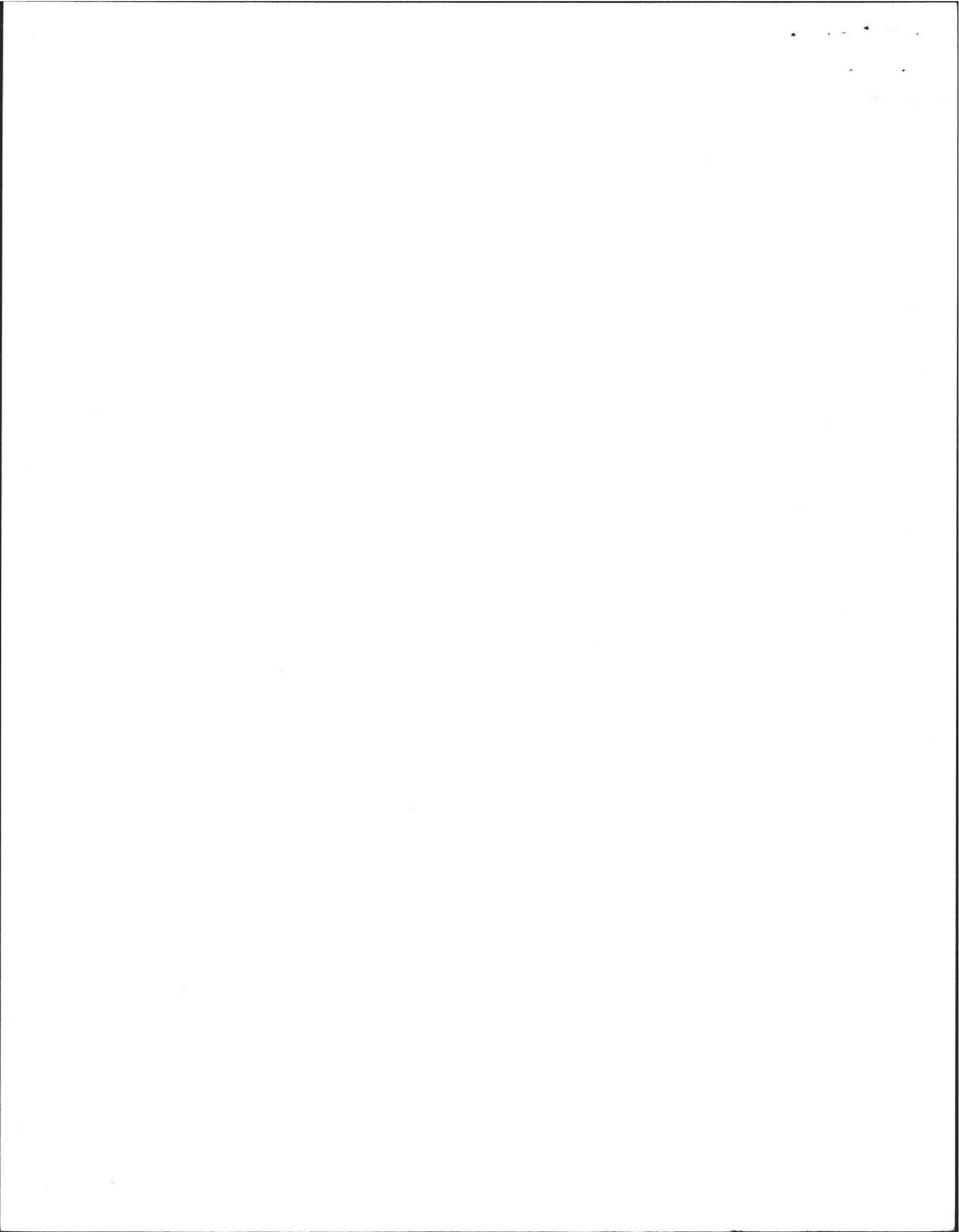
# CROSS-SECTION OF LEACH PIT AT A-A'

FOR: WILLIAM PEARSON  
 4 Kingman Hill, AMHERST, MA 01002  
 SITE: LOT 151, WILDFLOWER DR  
 AMHERST WOODS

FILIOS ENTERPRISES, INC.  
 December 10, 1987  
 Scale: Horiz. 1"=10', Vert. 1"=3'

R.W.S.





PROFILE OF SEPTIC SYSTEM

BY: FILIOS ENTERPRISES INC.

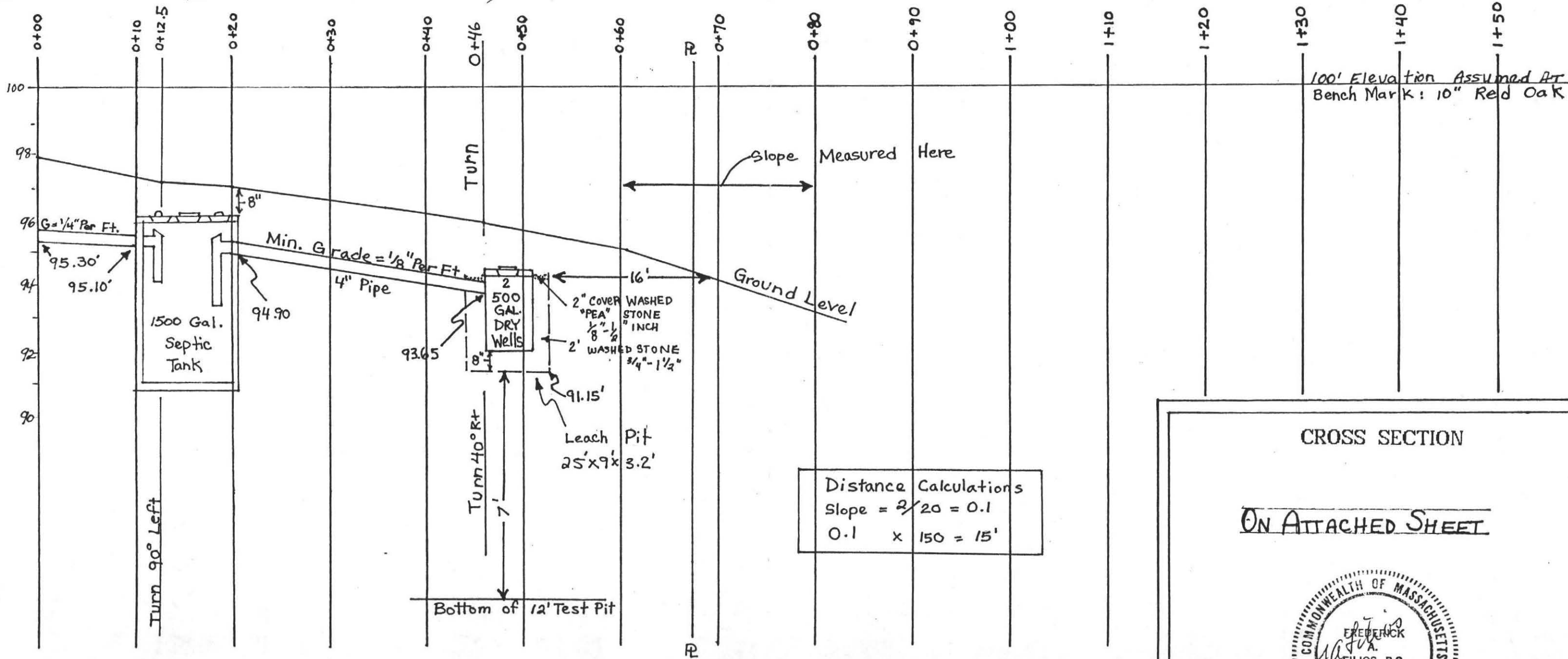
69 PELHAM RD.  
AMHERST MA 01002

R.W.S.

DATE: December 10, 1987  
SCALE: Horizontal 1"=10'  
Vertical 1"=3'

FOR: William Pearson  
4 KINGMAN HILL, AMHERST, MA. 01002  
SITE: LOT 151 - WILDFLOWER DR.  
AMHERST, MA.

HOUSE FOUNDATION



Distance Calculations	
Slope = 2/20 = 0.1	
0.1 x 150 = 15'	

SPECIFICATIONS

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

CALCULATIONS

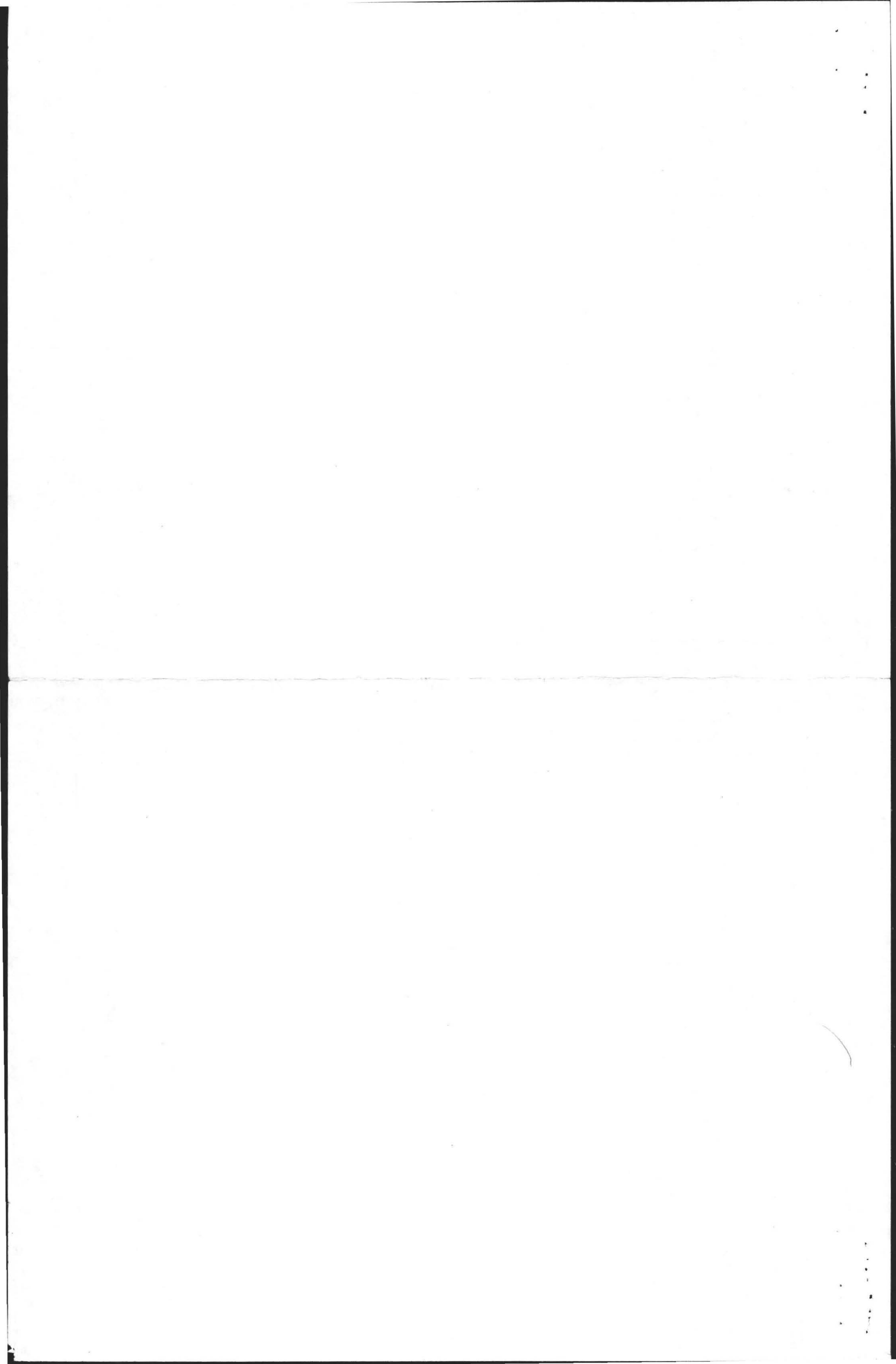
DESIGN FLOW: 3 BEDROOMS + G.G. = 495 Gals Required  
 PERC RATE: 2 <sup>MIN</sup>/<sub>INCH</sub> ALLOWS SIDEWALLS = 2.5 GAL/FT<sup>2</sup>  
 BOTTOM AREA = 1.0 GAL/FT<sup>2</sup>  
 LEACH PIT: 25' LONG X 9' WIDE X 2.5' BELOW INLET  
 SIDES: (25' x 2.5') 2 = 125 FT<sup>2</sup> x 2.5' = 312.5 GAL.S  
 ENDS: (9' x 2.5') 2 = 45 FT<sup>2</sup> x 2.5' = 112.5 GAL.S  
 BOTTOM: (25' x 9') = 225 FT<sup>2</sup> x 1.0 = 225.0 GAL.S  
 TOTAL AVAILABLE DAILY FLOW = 650.0 GAL.S

CROSS SECTION

ON ATTACHED SHEET



Note: Topsoil And subsoil To Be Removed From Fill Area And For A Distance Of 10' In All Directions Of The Leach Area.



**William J. Sieruta, P.E.**

46 Upland Road  
Holyoke, MA. 01040

413-532-8525

September 6, 2001

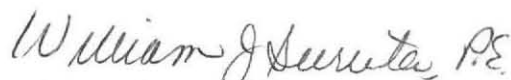
Board of Health  
Town Hall  
Main St.  
Amherst, MA.  
Attn: D. Zarazinski

Subject : S. Danoff  
1 Teaberry Lane  
Amherst, MA.

The subject septic system has been installed in accordance with the approved plans, 310 CMR 15 and local board of health regulations.

If you need any additional information please do not hesitate to contact me.

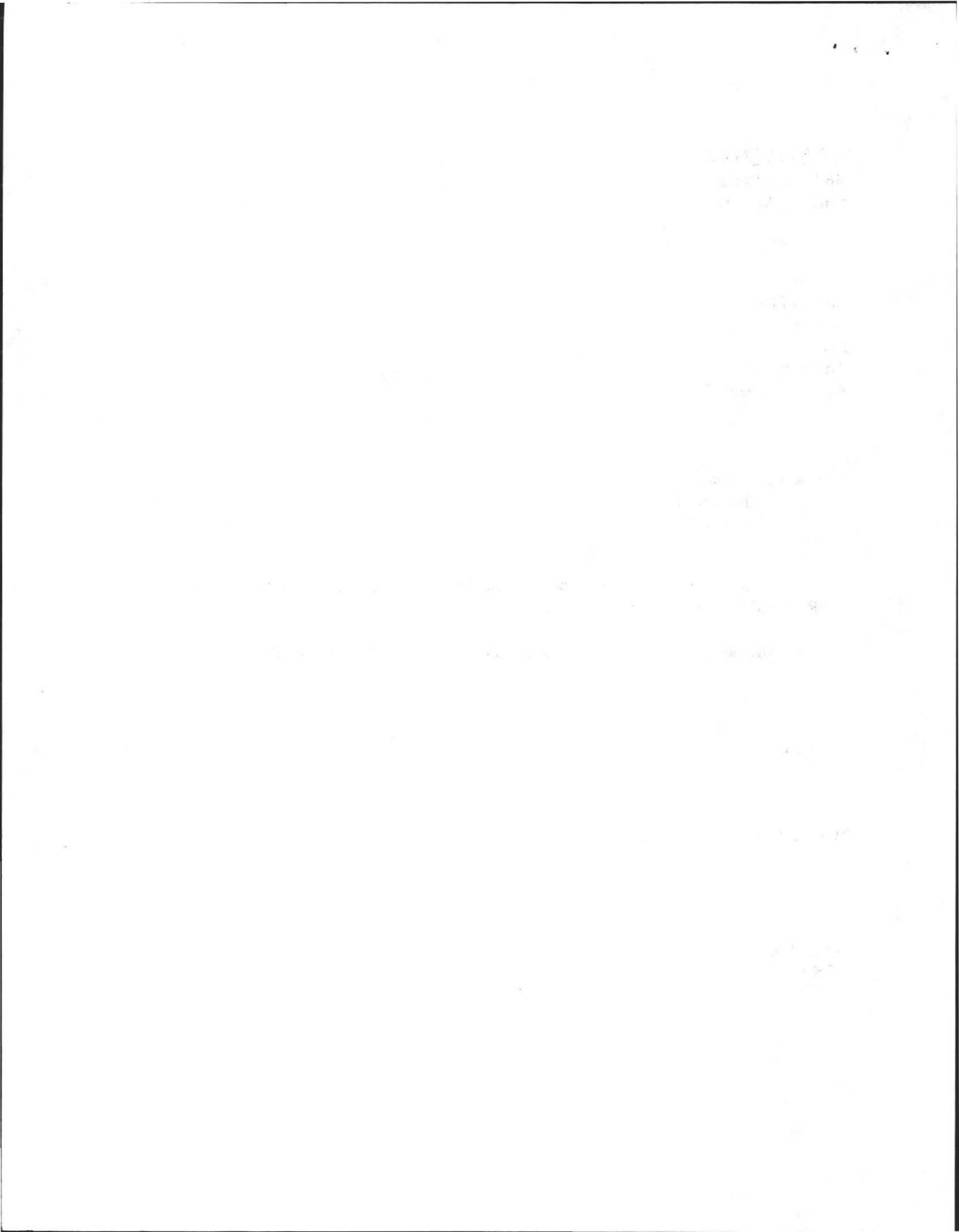
Very truly yours,



William J. Sieruta, P.E.

*mbs*

cc: S. Danoff  
WJS:mbs





**PERCOLATION TEST INFORMATION**

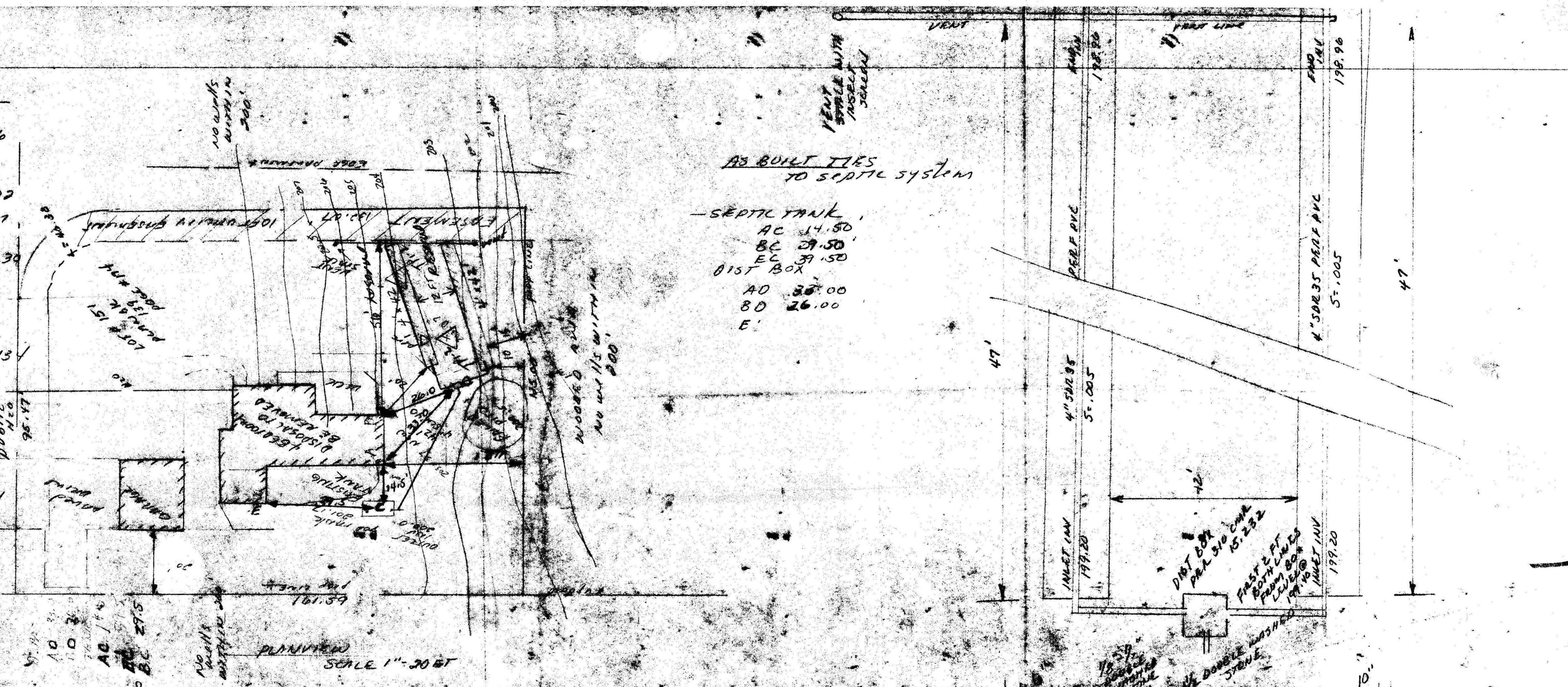
TEST PIT TPI-1		TEST PIT TPI-2	
075 CORR	104R 2-2 SANDY LOAM	0-6	0-6
FILL SAND	104R 5-4 SANDY LOAM	6-20	6-22
BW ORIGINAL SAND SUB	104R 5-6 SANDY LOAM	20-30	22-30
SAND MED	104R 6-3 SANDY LOAM	30-108	30-131
WELL GRADED			

NO H<sub>2</sub>O  
NO WEEDING  
DIRY  
NO MOTTLING  
EHWIT BELOW

DATE: 7/12/01  
ENGR W.J. SIERNYK PEREVAL  
WITNESS D. ZARAZINSKI BOH  
PERMEABILITY TEST  
DEPTH 65 INCH  
ACTUAL RATE .166 MIN/INCH  
DESIGN RATE 5.0 MIN/INCH  
CLASS I SOIL

NO H<sub>2</sub>O  
NO WEEDING  
DIRY  
NO MOTTLING  
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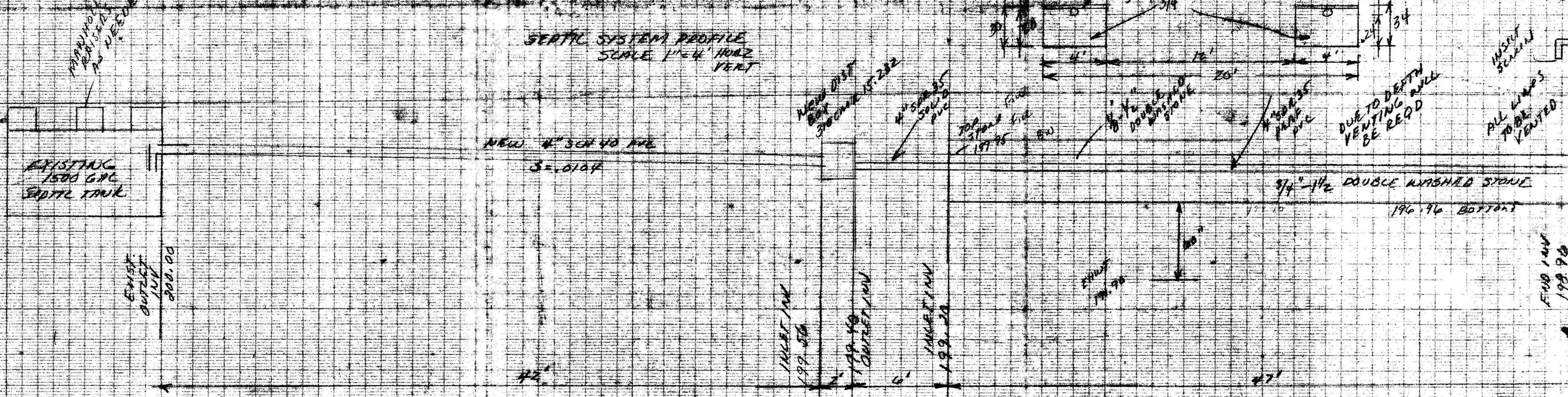
**DESIGN INFORMATION**  
ALL CONSTRUCTION TO BE IN ACCORDANCE WITH 310 CMR 15.0 TITLES AND ALL LOCAL BOARD OF HEALTH REGULATIONS  
FINISH GRADING TO BE AS SHOWN ON PLANVIEW. ALL DISTURBED AREAS TO BE COMPACTED AND SEEDED

**DESIGN CRITERIA**  
USE: EXISTING 4 BEDROOM SINGLE FAMILY DISPOSAL TO BE REMOVED  
FULL BMT

**DESIGN FLOW:** 310 CMR 15.203  
REQD 110 GALS/BEDROOM \* 4 = 440 GALS/DAY  
PER BOARD OF HEALTH REGULATIONS  
440 GALS \* 1.25% = 550 GALS/DAY  
NO DISPOSAL UNIT DISPOSAL TO BE REMOVED

**SEPTIC TANK:** 310 CMR 15.223  
REQD 550 GALS \* 200% = 1100 GALS  
MINIMUM TANK SIZE PERMITTED 1500 GALS  
USE EXISTING 1500 GAL SEPTIC TANK  
SINGLE COMPARTMENT  
10'4" x 5'4" 50 INCH FROM BASE TO INLET INV.

**LEACHING SYSTEM:**  
DUE TO SOIL CONDITIONS A LEACH TRENCH DESIGN IS TO BE USED PER 310 CMR 15.251  
EFFECTIVE DEPTH 24" 2FT  
EFFECTIVE WIDTH 36" 3FT  
EFFECTIVE LENGTH 99 FT  
USE TWO 4 FT TRENCHES  
12 FT BETWEEN TRENCHES  
BOTTOM AREA 4 FT x 94 FT = 376 FT<sup>2</sup>  
SIDEWALL AREA 2 FT x 2 x 94 FT = 376 FT<sup>2</sup>  
TOTAL PERMEABILITY (376 + 376) \* .74 = 556 GALS/DAY  
TBM SET AT OUTLET ELEV EXISTING TANK ELEV 200.00



**INSTALLATION NOTES**

- EXISTING SEPTIC TANK TO BE RUMBLER & CLEANED. TIES TO BE INSPECTED, AND REPLACED AS NEEDED
- ALL PIPE JOINTS WITH TANK AND DIST BOX TO BE ASHRAFT ROPE SEALED
- ALL STONE TO BE DOUBLE WASHED STONE FREE OF ALL SILT AND FINES
- MANHOLE RAISERS ON SEPTIC TANK TO BE INSTALLED AS NECESSARY
- DUE TO DEPTH OF FILL & COVER TRENCHES WILL REQUIRE VENTING

SLOPE OFFSET CALL 310 CMR 15.210  
REQD FOR SLOPES OF 1% OR LESS 15 FT AVAILABLE TO BREAK OUT ELEV 199.95  
15 FT MEETS CODE REQD OFFSET

SEPTIC SYSTEM DESIGN FOR S. DANOFF 1 JERBERRY LANE AMHERST, MASS  
ENGR W.J. SIERNYK PEREVAL  
DATE 7/12/01