

#60

FILIOS ENTERPRISES, INC.  
69 Pelham Rd.  
Amherst, MA 01002

Date: Aug 31, 1994

Name: Richard Fay  
Address: 60 Chapel Rd.  
Amherst Mass 01002

Dear Mr. Fay

This is to notify you that Filios Enterprises, Inc. has inspected the septic system installed

AT: 60 Chapel Road  
Amherst Mass

Unless exceptions are noted below, the system complied with the approved design and elevations.

Exceptions:

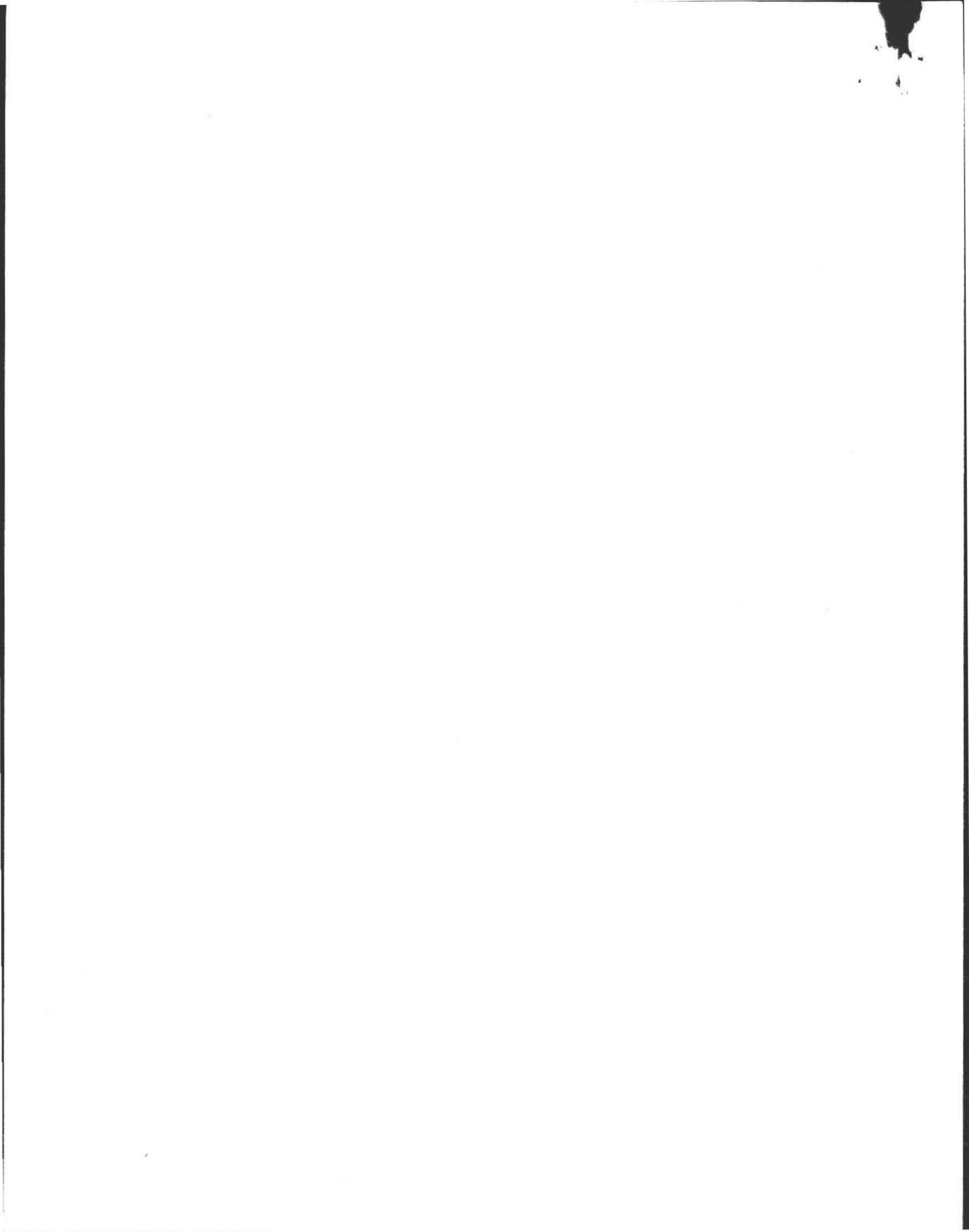
The exceptions from the Design and elevations are shown in red on the Profile view enclosed. These exceptions do not necessarily constitute violation of Title V DEQE.

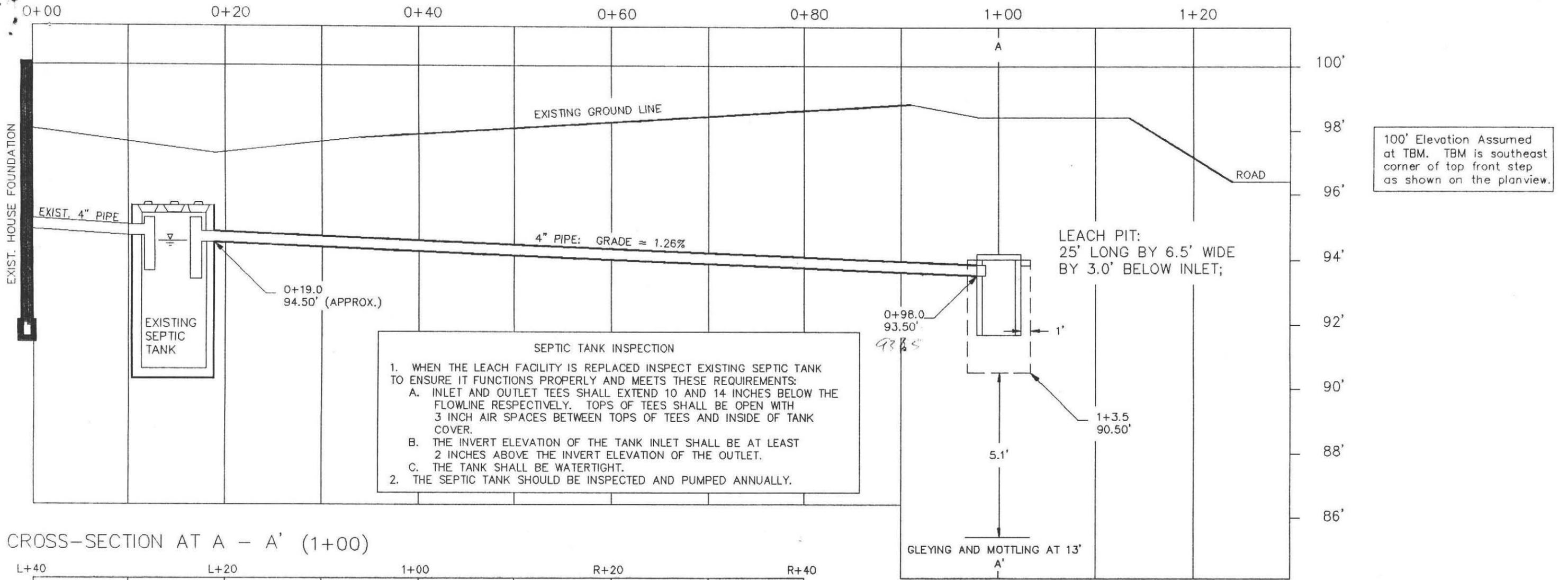
Sincerely,

Frederick A. Filios R.S.

(Frederick A. Filios)

C.C. to Board of Health



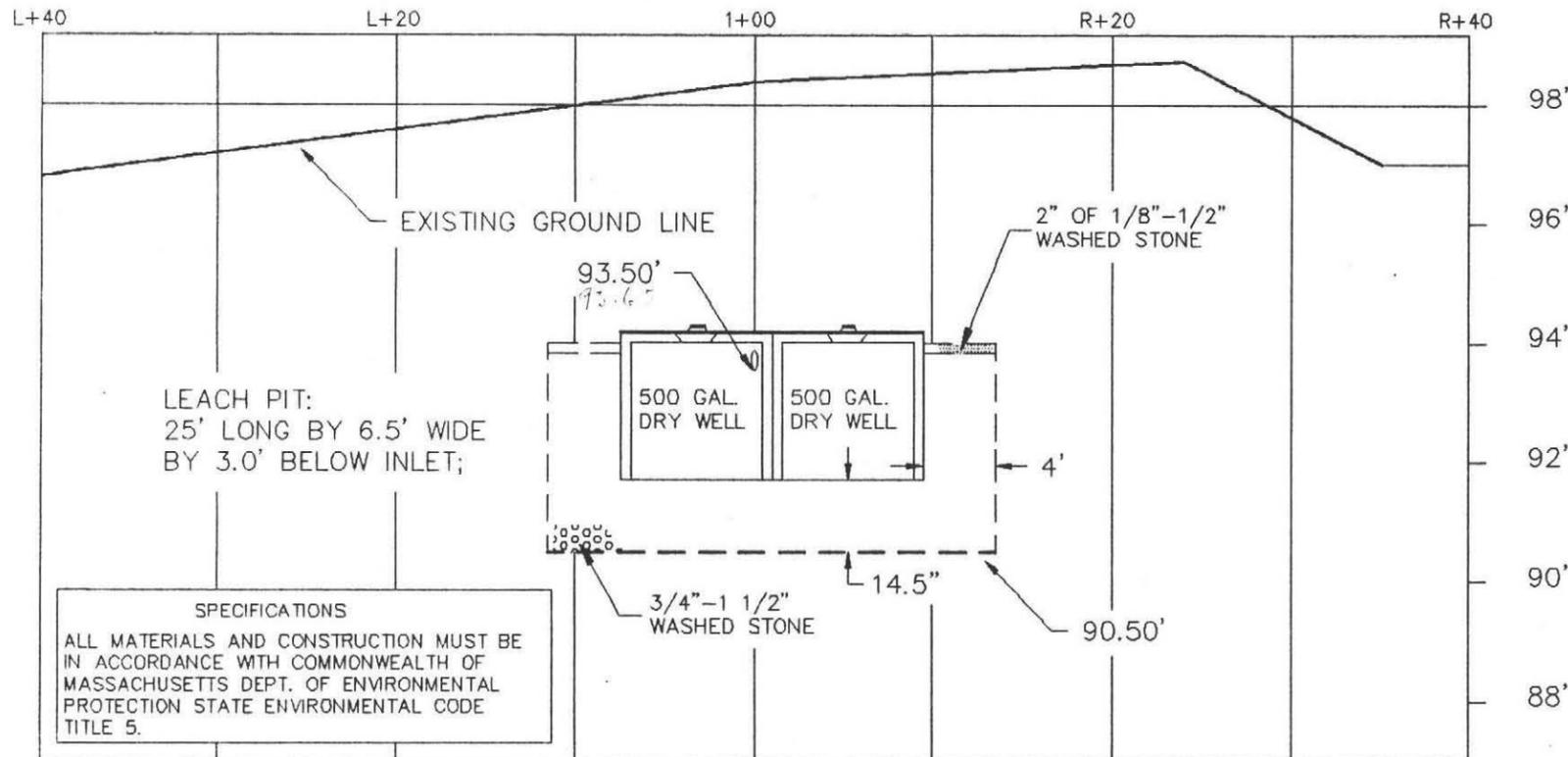


100' Elevation Assumed at TBM. TBM is southeast corner of top front step as shown on the planview.

**SEPTIC TANK INSPECTION**

- WHEN THE LEACH FACILITY IS REPLACED INSPECT EXISTING SEPTIC TANK TO ENSURE IT FUNCTIONS PROPERLY AND MEETS THESE REQUIREMENTS:
  - INLET AND OUTLET TEES SHALL EXTEND 10 AND 14 INCHES BELOW THE FLOWLINE RESPECTIVELY. TOPS OF TEES SHALL BE OPEN WITH 3 INCH AIR SPACES BETWEEN TOPS OF TEES AND INSIDE OF TANK COVER.
  - THE INVERT ELEVATION OF THE TANK INLET SHALL BE AT LEAST 2 INCHES ABOVE THE INVERT ELEVATION OF THE OUTLET.
  - THE TANK SHALL BE WATERTIGHT.
- THE SEPTIC TANK SHOULD BE INSPECTED AND PUMPED ANNUALLY.

CROSS-SECTION AT A - A' (1+00)



**CALCULATIONS**

REQUIRED: For a 3 bedroom house with garbage grinder a capacity of  $350 \times 1.5 = 495$  gal./day  $\times 1.25$  (Town safety factor) = 618.75 gal./day.

DESIGNED: 1 leach pit 25.0'L  $\times$  6.5'W  $\times$  3.00' below inlet (effective depth), for a perc rate of 2 min./in., yielding side and bottom loading factors of 2.50 and 1.00 gal./sq.ft. respectively.

SIDEWALL:  $(25.0' + 6.5')2 \times 3.0' \times 2.50$  Gal./Sq.ft. = 472.5 Gal.  
 BOTTOM:  $(25.0' \times 6.5')1.00$  Gal./Sq.ft. = 162.5 Gal.  
 TOTAL = 635.0 Gal.



**PROFILE OF SEWAGE DISPOSAL SYSTEM**

REPAIR AT 60 CHAPEL RD., AMHERST, MA

BY: FILIOS ENTERPRISES, INC. 69 PELHAM RD. AMHERST MA 01002 (413)256-8008	FOR: RICHARD FAY 60 CHAPEL RD. AMHERST, MA 01002
ROBERT STOVER	SCALE: 1" = 10' HOR. 3' VER.
AUGUST 9, 1994	PAGE TWO OF TWO



pd ck 2114

No. 94-14

FEE 160

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 (X) an Individual Sewage Disposal System at:

600 Chapel Road  
Richard Fay  
Owner

600 Chapel Rd., Amherst, MA 01002  
Address

Type of Building Dwelling — No. of Bedrooms 3 Expansion Attic ( ) Garbage Grinder (no)

Other — Type of Building No. of persons Showers ( ) — Cafeteria ( )

Design Flow 55 x 1.5 x 1.25 (town safety factor) gallons per person per day. Total daily flow 618.75 gallons.

Septic Tank — Liquid capacity Exist. gallons Length Width Diameter Depth

Disposal Trench — No. Width Total Length Total leaching area 189.0 sq. ft.

Seepage Pit No. 1 Diameter 25' x 6.5' Depth below inlet 3.0' Total leaching area 162.5 sq. ft.

Other Distribution box ( ) Dosing tank ( )

Percolation Test Results Performed by Filios Enterprises, Inc. Date July 25, 1994

Test Pit No. 1 2 minutes per inch Depth of Test Pit 13' Depth to ground water 13'

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.

Application Approved By [Signature] Signed [Signature] Date 8/11/94

Application Disapproved for the following reasons:

Permit No. 94-14 Issued Date

William W. Clark

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

Town OF Amherst

Certificate of Compliance

Checked OK  
8/30/94  
F. R. Filios

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

at 600 Chapel Rd. Installer

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. 94-14 dated

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

DATE 8/30/94 Inspector [Signature]

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

Town OF Amherst

No. 94-14

FEE 160  
24 2114

Disposal Works Construction Permit

Permission is hereby granted Richard Fay

to Construct ( ) or Repair (X) an Individual Sewage Disposal System at No. 600 Chapel Rd.

as shown on the application for Disposal Works Construction Permit No. 94-14 Dated

DATE 8/11/94 [Signature] Board of Health

CHECK OR FILL IN WHERE APPLICABLE

Sidewall Bottom Area

Tom

Ambert

Richard Fay  
60 Chapel Rd.

60 Chapel Rd. Ambert, MA 01022

30,000

3

Estimated (approximate value)  
End

11/12

197.0  
102.8

3.0

28,000

Films Entry

2

Ambert

July 2, 1974  
13

Sidenall  
Rt.

Tom

Ambert

60 Chapel Rd.

Tom

Ambert

Richard Fay

60 Chapel Rd.



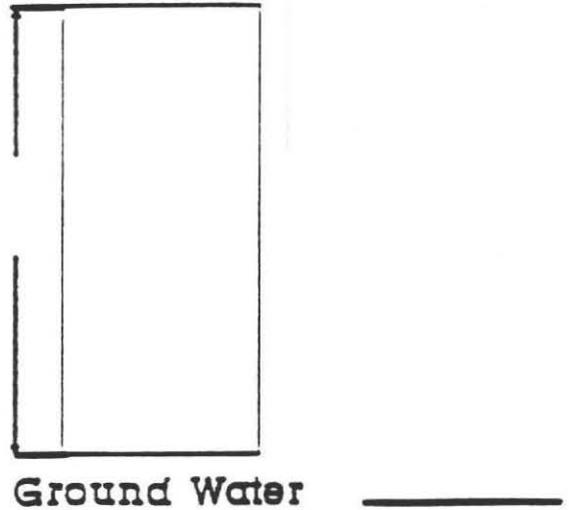
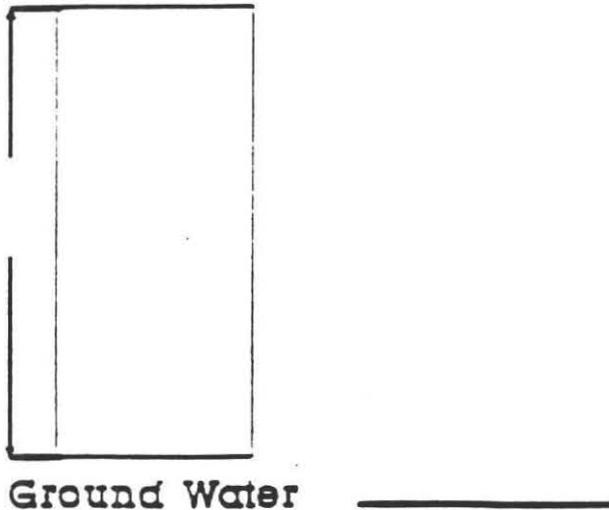
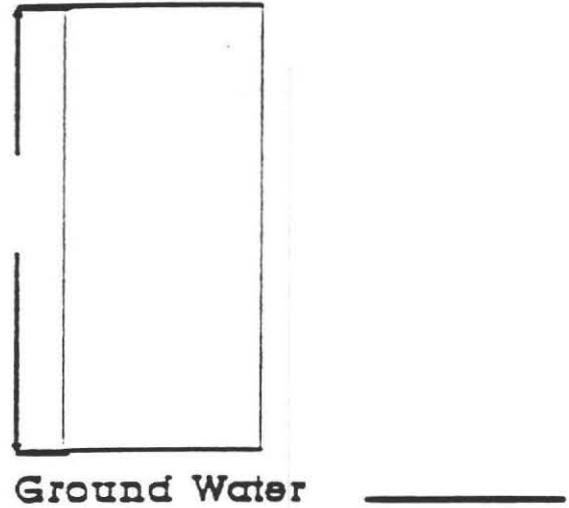
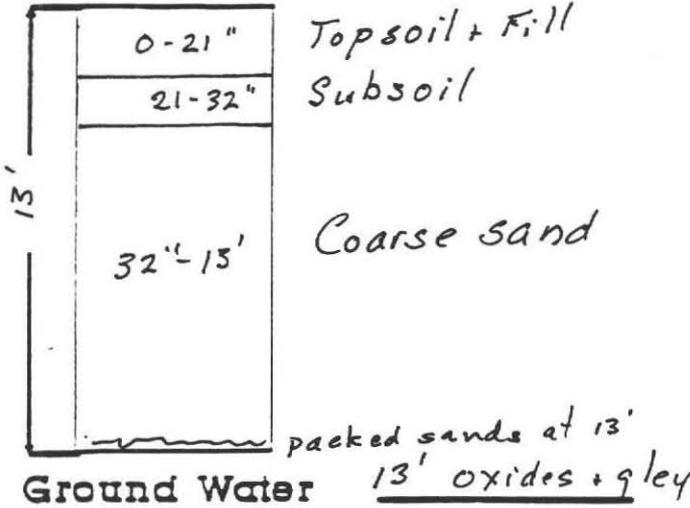
# Deep Soil Logs

## Filios Enterprises, Inc.

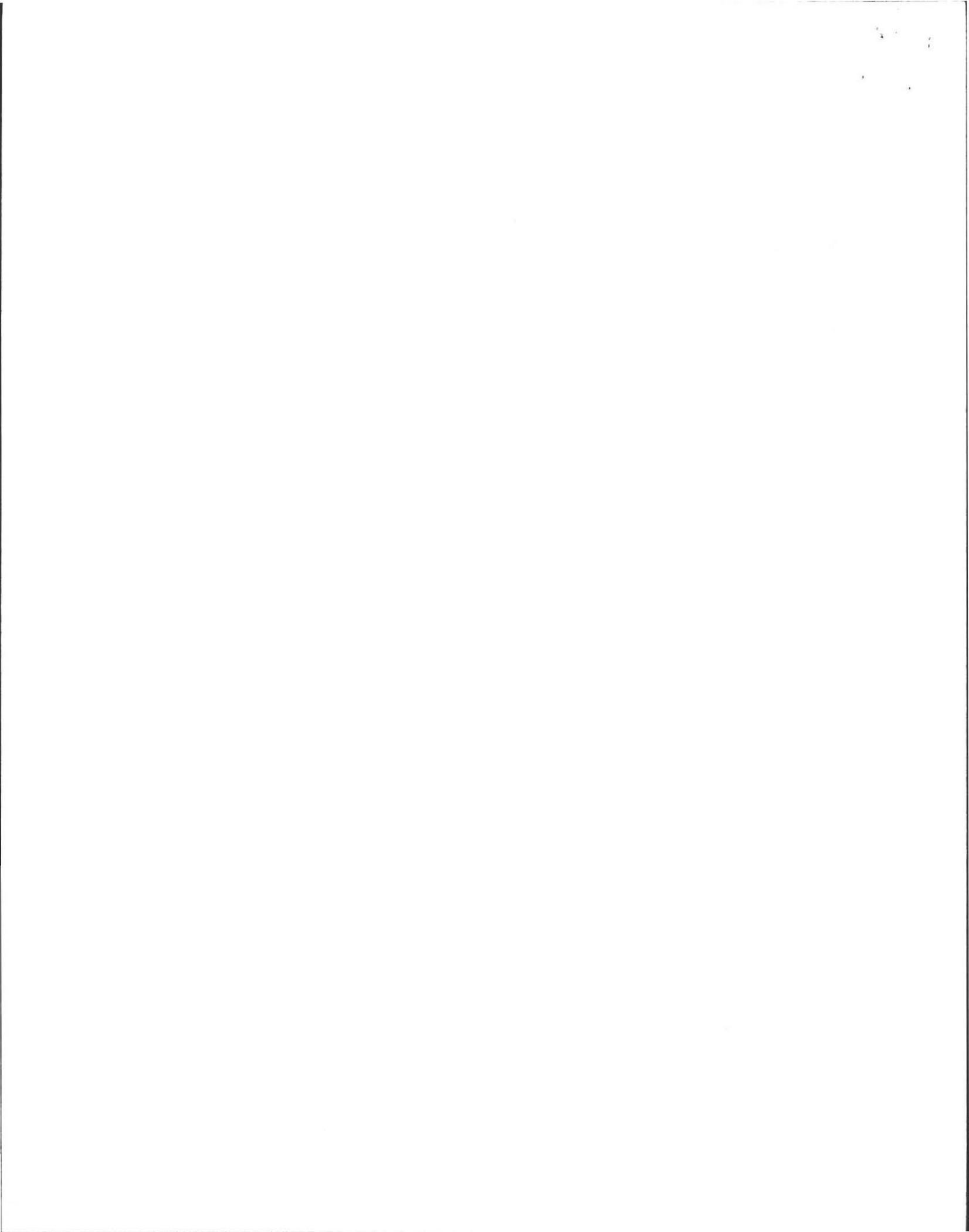
69 Pelham Rd., Amherst MA 01002. (413) 256-8008

Owner: Richard Fay  
Location: 60 Chapel Rd  
Amherst MA.  
Repair

Date: July 25 1994  
B. of H. David Zarozinski



Percolation Rate at: 48"  
< 2 min./inch



TOWN OF AMHERST

PERC TEST DATA SHEET

JEAN G FAY  
Pd 160 06  
C/A # 2114  
7/25/94  
LOT SIZE

DATE 7/25/94 LOCATION 60 Chapel Road

OWNER Richard + Jean Fay ADDRESS 60 Chapel Road TELE # 253-9650

P.E./RS Fred Filios FIRM Filios Engr. Inc OBSERVED BY David Zarnowski

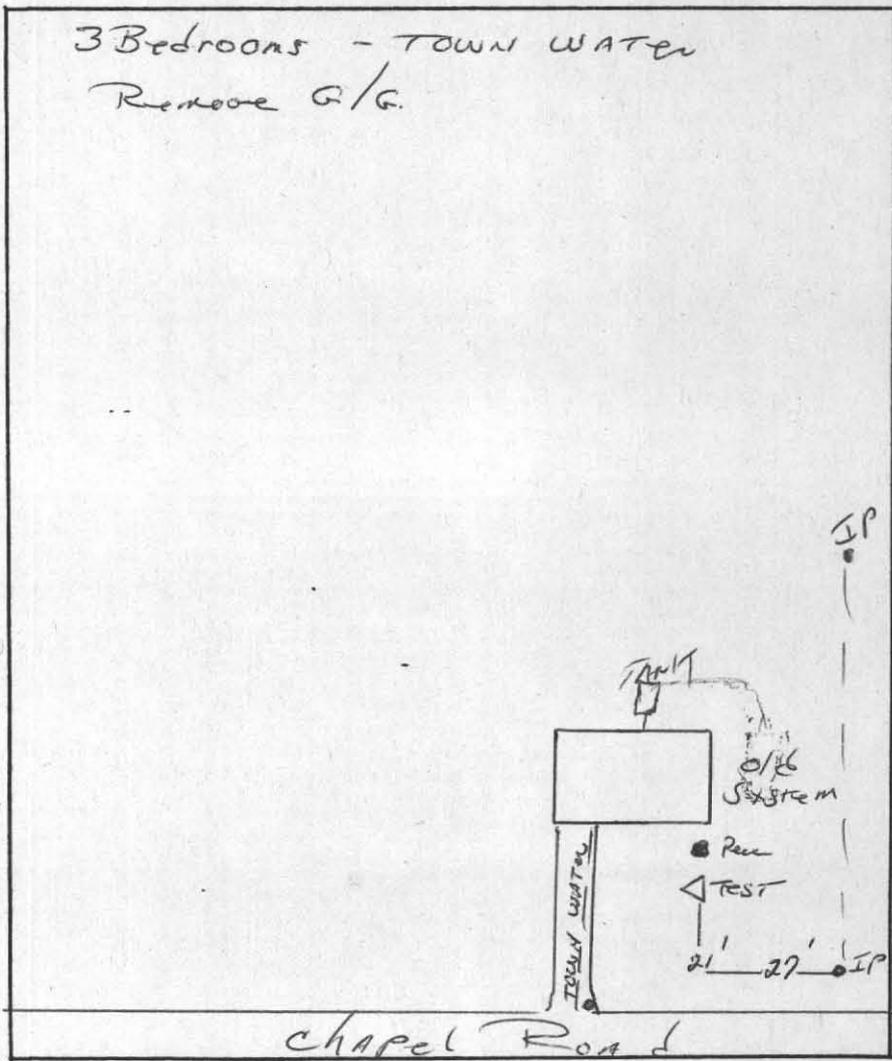
BACK HOE OPERATOR W.W. Clark TELE \_\_\_\_\_ BENCH MARK \_\_\_\_\_

PERC DEPTH 48" PRE SOAK TIME 0:00 PERC DEPTH \_\_\_\_\_ PRE SOAK TIME \_\_\_\_\_

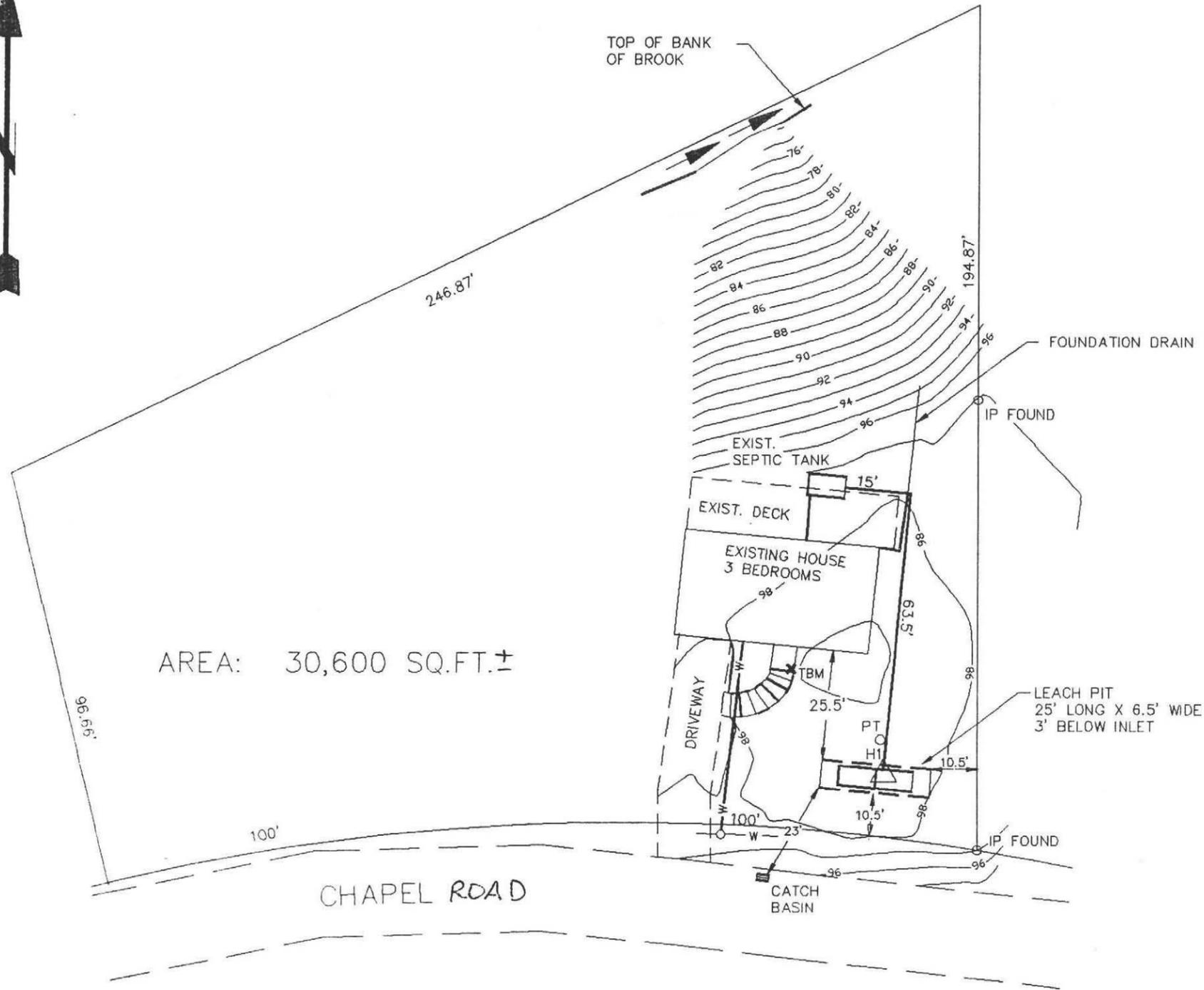
TEST	<u>12" 10:00</u>	<u>6" 10:09<sup>36</sup></u>	_____
	<u>9" 10:06<sup>36</sup></u>	_____	_____
	<u>8" 10:07<sup>36</sup></u>	_____	_____
	<u>7" 10:08<sup>36</sup></u>	<u>CANT HOLD</u>	_____

RATE (2) RATE \_\_\_\_\_

#1 Fill + TOP	TOP
SUB 32"	SUB
COARSE SAND	
DAMP 13'	
TOP	TOP
SUB	SUB
TOP	TOP
SUB	SUB







LEGEND

○ PT PERCOLATION TEST

△ Hx DEEP TEST PIT

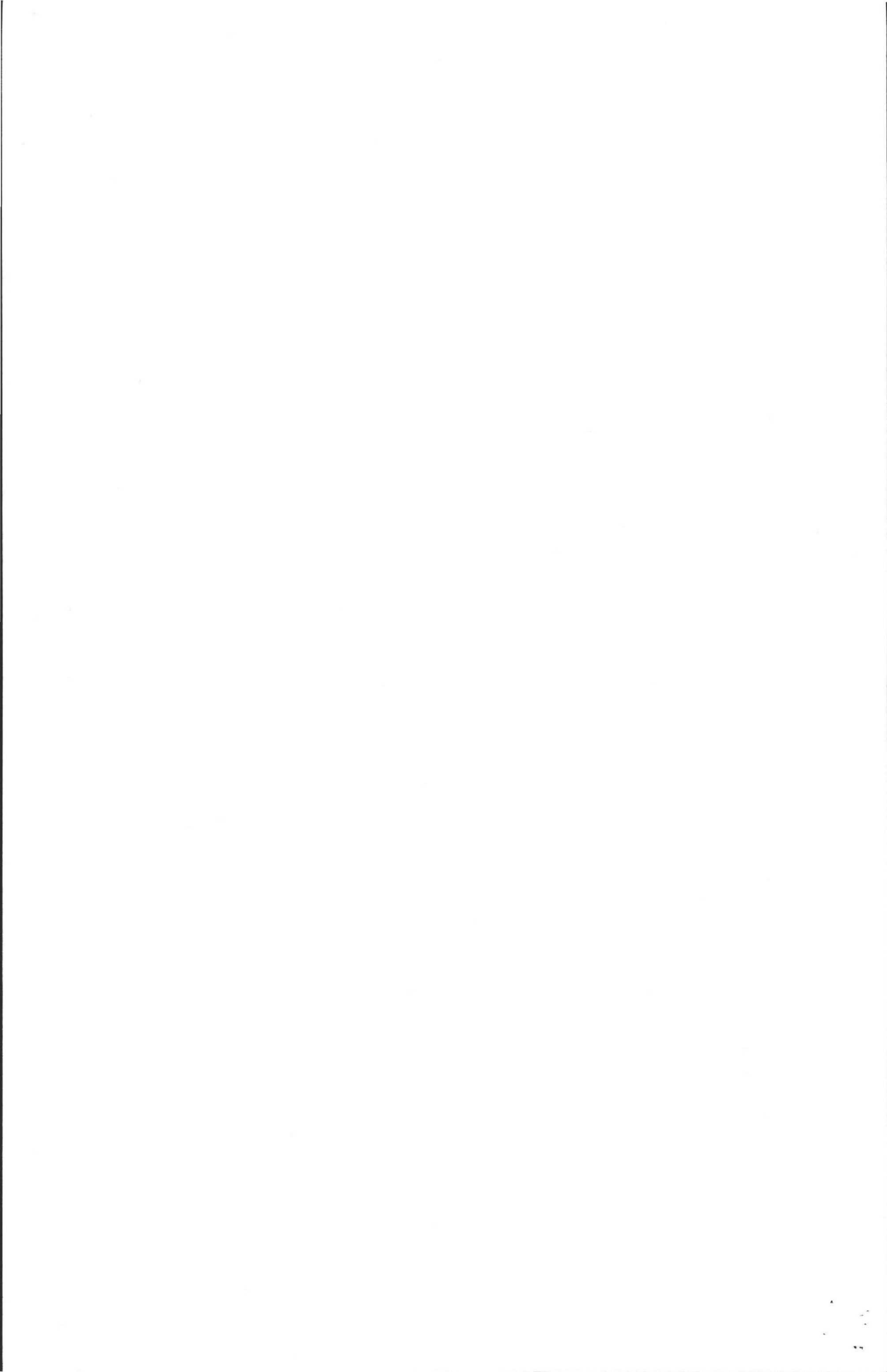
---x---x---x--- CONTOUR LINES (1' INTERVAL)

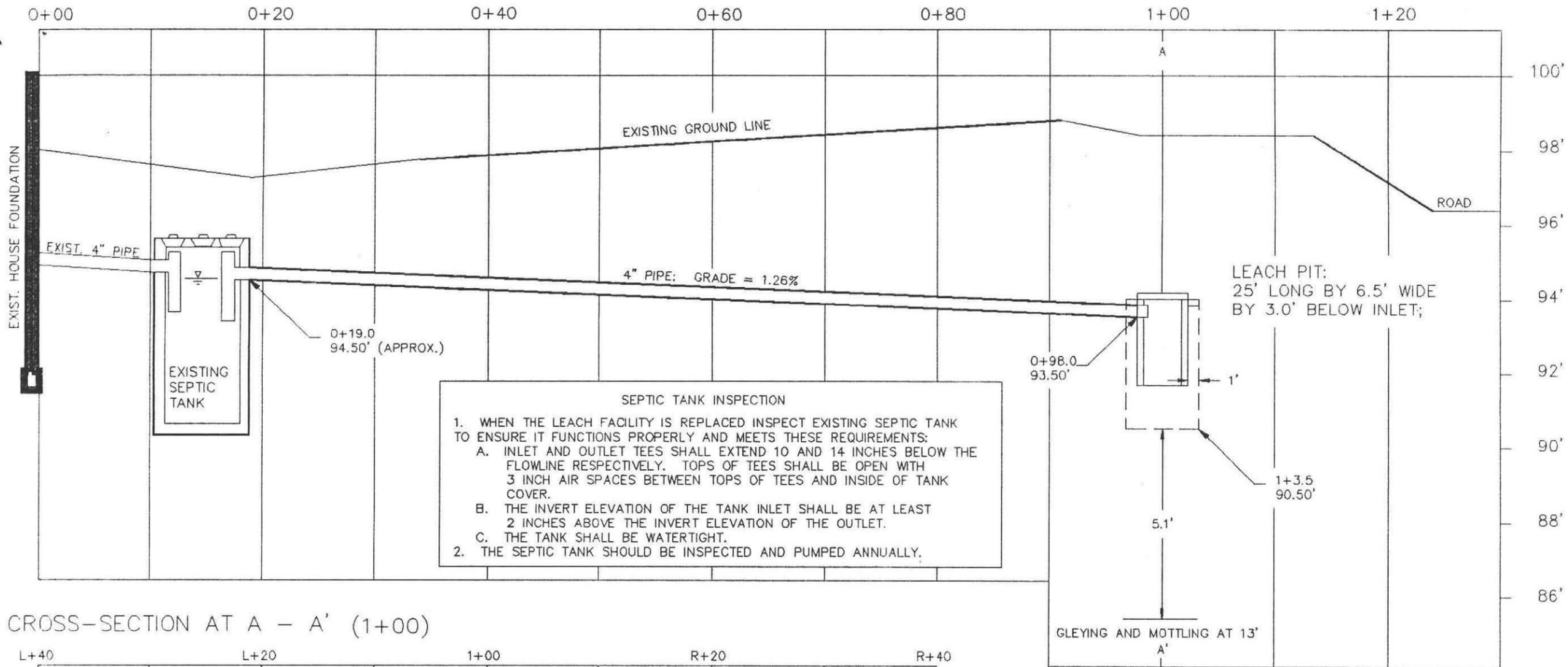
NOTES:

1. TBM IS SOUTHEAST CORNER OF TOP FRONT STEP.
2. NO OTHER WELLS WITHIN 200' OF THE LEACH AREA AT THE TIME OF SURVEY.



PLAN OF SEWAGE DISPOSAL SYSTEM	
REPAIR AT 60 CHAPEL RD, AMHERST, MA	
BY: FILIOS ENTERPRISES, INC. 69 PELHAM RD. AMHERST MA 01002 (413)256-8008	FOR: RICHARD FAY 60 CHAPEL RD. AMHERST, MA 01002
ROBERT STOVER	SCALE: 1" = 30'
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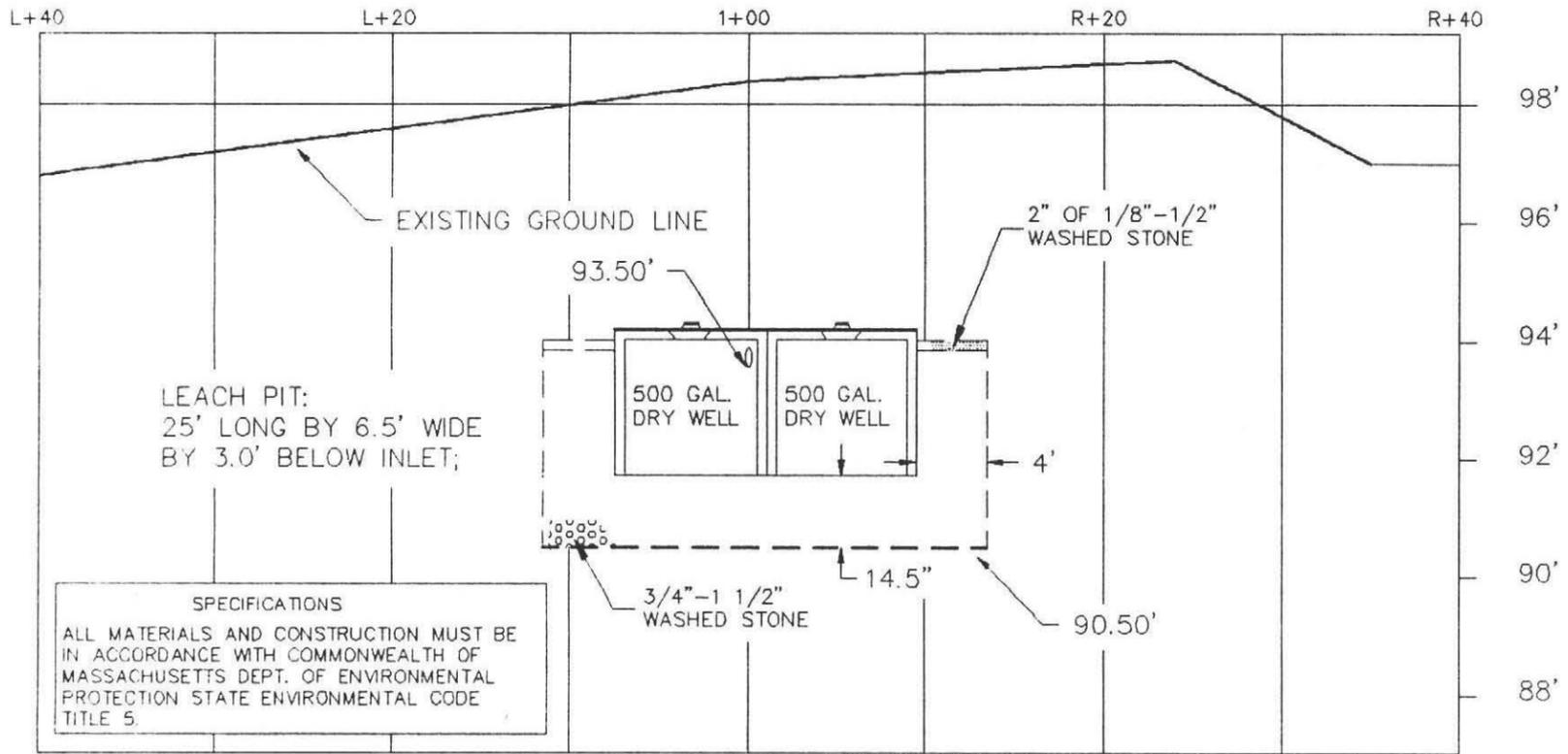


100' Elevation Assumed at TBM. TBM is southeast corner of top front step as shown on the planview.

**SEPTIC TANK INSPECTION**

- WHEN THE LEACH FACILITY IS REPLACED INSPECT EXISTING SEPTIC TANK TO ENSURE IT FUNCTIONS PROPERLY AND MEETS THESE REQUIREMENTS:
  - INLET AND OUTLET TEES SHALL EXTEND 10 AND 14 INCHES BELOW THE FLOWLINE RESPECTIVELY. TOPS OF TEES SHALL BE OPEN WITH 3 INCH AIR SPACES BETWEEN TOPS OF TEES AND INSIDE OF TANK COVER.
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  - THE TANK SHALL BE WATERTIGHT.
- THE SEPTIC TANK SHOULD BE INSPECTED AND PUMPED ANNUALLY.

CROSS-SECTION AT A - A' (1+00)



**SPECIFICATIONS**

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

**CALCULATIONS**

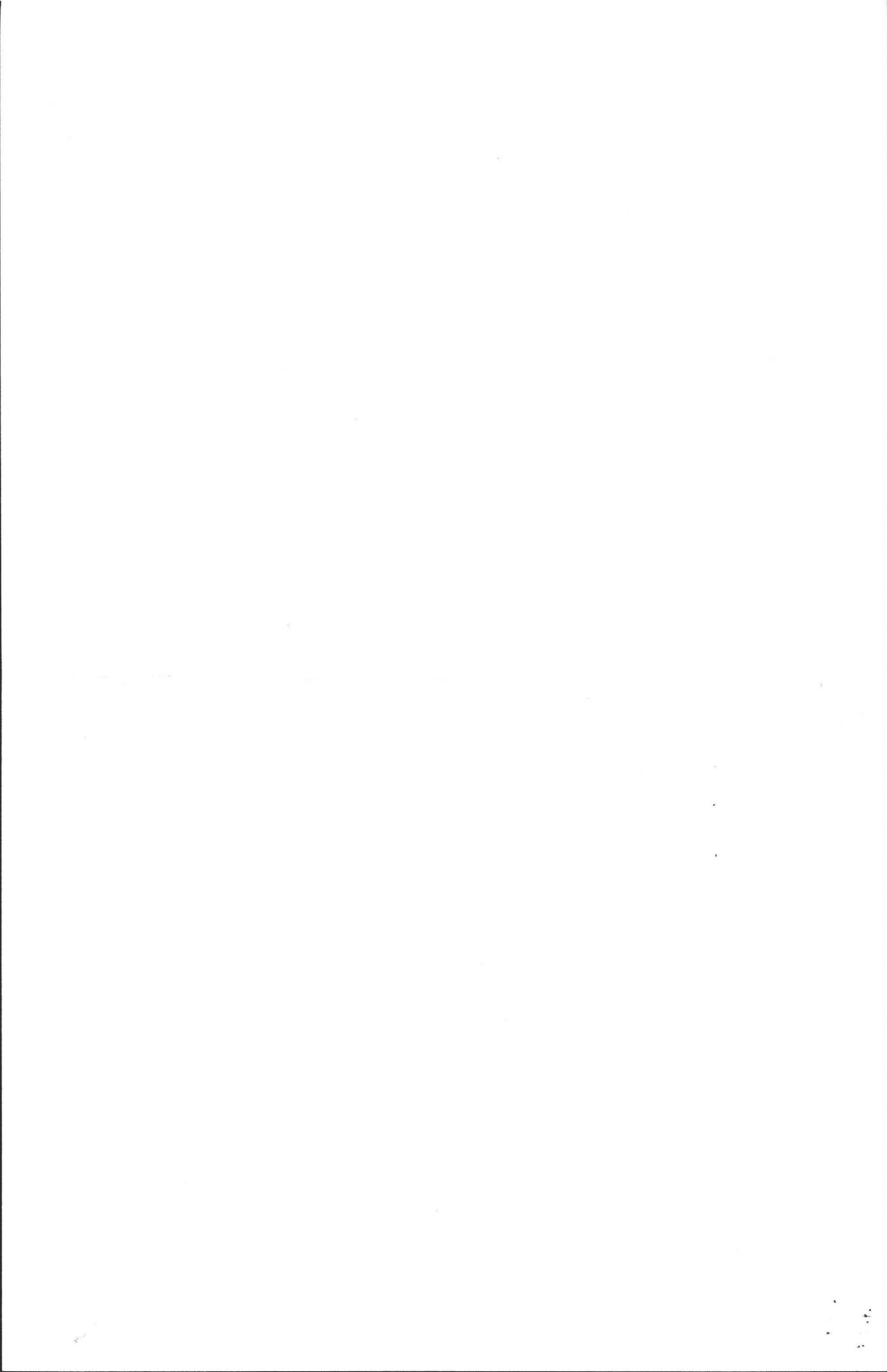
REQUIRED: For a 3 bedroom house with garbage grinder a capacity of  $300 \times 1.5 = 495$  gal./day  $\times 1.25$  (Town safety factor) = 618.75 gal./day.

DESIGNED: 1 leach pit 25.0'L  $\times$  6.5'W  $\times$  3.0' below inlet (effective depth), for a perc rate of 2 min./in., yielding side and bottom loading factors of 2.50 and 1.00 gal./sq.ft. respectively.

SIDEWALL:  $(25.0' + 6.5')2 \times 3.0' \times 2.50$  Gal./Sq.ft. = 472.5 Gal.  
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BY: FILIOS ENTERPRISES, INC. 69 PELHAM RD. AMHERST MA 01002 (413)256-8008	FOR: RICHARD FAY 60 CHAPEL RD. AMHERST, MA 01002
ROBERT STOVER	SCALE: 1" = 10' HOR. 3" VER.
AUGUST 9, 1994	PAGE TWO OF TWO



BOARD OF HEALTH, AMHERST, MASSACHUSETTS  
APPLICATION FOR DISPOSAL WORKS CONSTRUCTION PERMIT

No. 72-36 Date 10-19-72 Fee 300 Date Rec'd. 10-19-72 By CRD

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

Location—Address 40 Chapel Rd. or Lot No. 6  
Owner Mr. G. Roberge Address 938 Bay Rd. Amherst  
Contractor Karis Exc. Address \_\_\_\_\_  
Type of Building \_\_\_\_\_ Dimensions \_\_\_\_\_ Size Lot 30, 236 sq. ft.  
Dwelling—No. of Bedrooms 3 Expansion Attic ( ) Garbage Grinder ( YFS )  
Other \_\_\_\_\_ No. of persons \_\_\_\_\_ Showers ( )  
Other fixtures \_\_\_\_\_  
Town Water? yes Type of Well \_\_\_\_\_

Design Flow 50 gallons per person per day. Total daily flow 300 gallons  
Septic Tank—Liquid capacity 1000 gallons Dimensions: L \_\_\_\_\_ W \_\_\_\_\_ D \_\_\_\_\_  
Disposal Trench—No. Bed Width 18' Total Length 21' Total leaching area 378 sq. ft.  
Disposal Bed—No. \_\_\_\_\_ Diameter \_\_\_\_\_ Depth below inlet \_\_\_\_\_ Total leaching area \_\_\_\_\_ sq. ft.  
Dry Well—No. \_\_\_\_\_ Diameter \_\_\_\_\_ Depth below inlet \_\_\_\_\_ Dimensions: \_\_\_\_\_ x \_\_\_\_\_ x \_\_\_\_\_  
Other: Distribution box ( ) No. \_\_\_\_\_ Dosing tank ( ) \_\_\_\_\_

(Depth of Soil Line Below finished grade at foundation \_\_\_\_\_)  
Percolation Test Results Performed by Mike J. Hubler PE Date 10-4-72  
Test Pit No. 1 2 minutes per inch Depth of Test Pit 42"  
Test Pit No. 2 \_\_\_\_\_ minutes per inch Depth of Test Pit \_\_\_\_\_

Description of Soil medium sand SW Depth to Ground Water \_\_\_\_\_  
Will disposal area be filled? no Cut down? no  
(On reverse side or separate sheet, show plot plan with building. Include dimensions, distances from all boundaries. Show location of wells, streams, ledge, large trees, etc.)

AGREEMENT: The undersigned agrees to construct the aforescribed individual sewage disposal system in accordance with the provisions of Article XI of the Sanitary Code and regulations of the Amherst Board of Health. The undersigned further agrees not to place the system in operation until a Certificate of Compliance has been issued by this board of health.

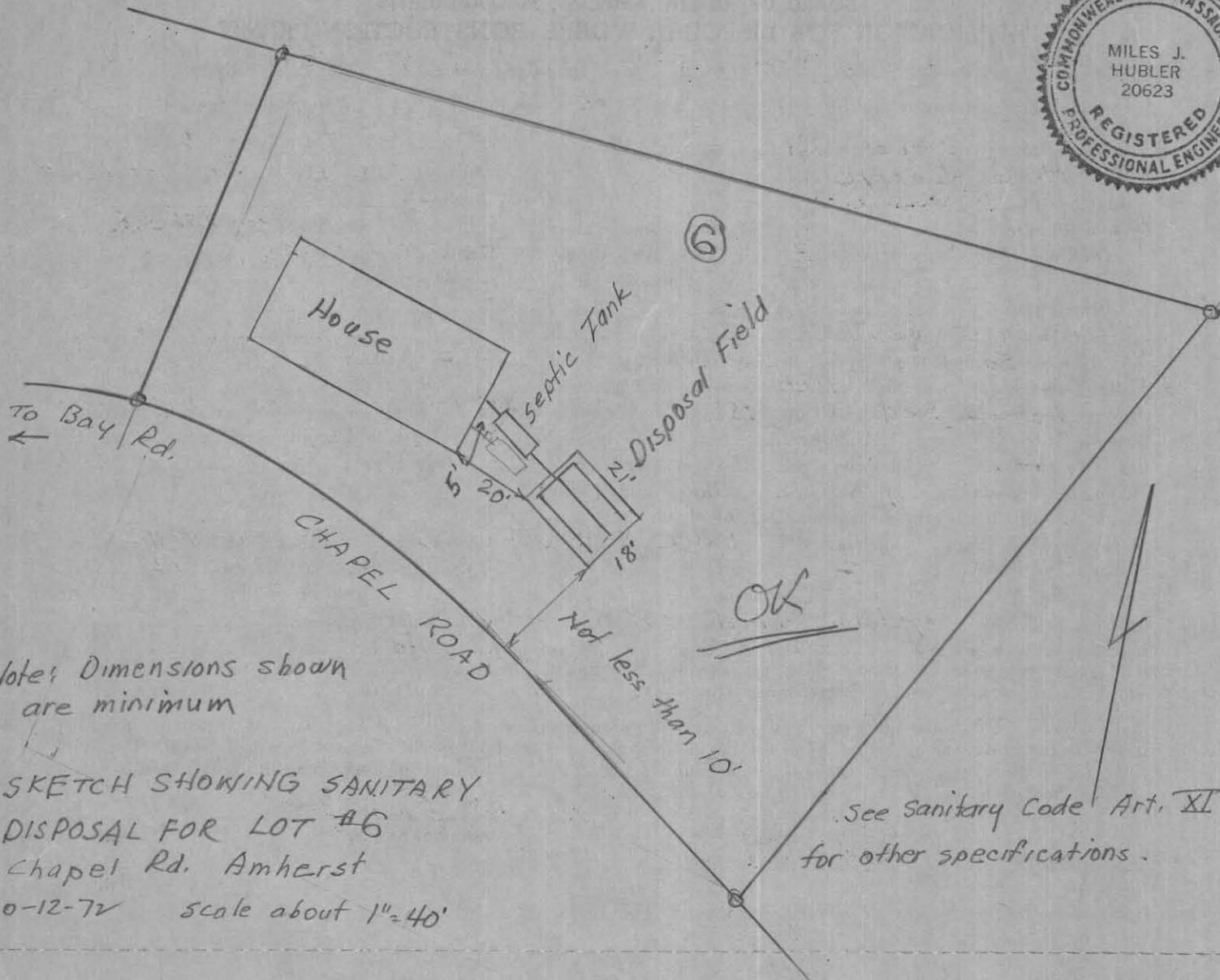
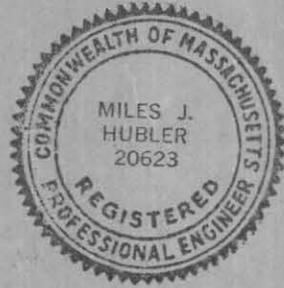
Application Approved by CRD Owner or builder G. Roberge date 10-20-72  
Application Disapproved for the following reasons: \_\_\_\_\_ date \_\_\_\_\_

BOARD OF HEALTH, AMHERST, MASSACHUSETTS  
CERTIFICATE OF COMPLIANCE

THIS IS TO CERTIFY, That the individual Sewage Disposal System installed (X) or repaired ( ) by KARIS Exc. at Lot 6 Chapel Rd has been constructed in accordance with the provisions of Article XI of the State Sanitary Code as described in the application for Disposal Works Construction Permit No. 72-36 dated 10-19-72.  
The issuance of this certificate shall not be construed as a guarantee that the system will function satisfactorily.  
DATE Dec 14, 1972 Inspector CRD

BOARD OF HEALTH, AMHERST, MASSACHUSETTS  
DISPOSAL WORKS CONSTRUCTION PERMIT

No. 72-36  
Permission is hereby granted G. Roberge to construct (X) or repair ( ) an Individual Sewage Disposal System at Lot 6 Chapel Rd as shown on the application for Disposal Works Construction Permit No. 72-36.  
This permit is issued with the understanding that future alterations or additions will be made if necessary. This permit shall not be construed as permission to create or maintain any sewage nuisance and in the issuance of this permit the Board of Health assumes no responsibility for the future operation or maintenance of the system.  
DATE 10-19-72 Board of Health CRD



Note: Dimensions shown are minimum

SKETCH SHOWING SANITARY DISPOSAL FOR LOT #6  
Chapel Rd. Amherst  
10-12-72 scale about 1"=40'

See Sanitary Code Art. XI for other specifications.