

No. 91-16

#14

PL 60 ⁰⁰
CH 1239

FEE

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:

14 Lady Slipper Lane
Location - Address
Henry E. Whitlock
Owner
Ken Hislop
Installer

97
or Lot No.
399 Warrenwright Rd., Belchertown, MA 01007
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 55 gallons per person per day. Total daily flow 495 gallons.
Septic Tank — Liquid capacity 1500 gallons Length 10.5' Width 5' Diameter _____ Depth 5.3'
Disposal Trench — No. _____ Width _____ Total Length _____ Total leaching area 224 sq. ft. Sidewall
Seepage Pit No. 1 Diameter 25 x 7' Depth below inlet 3.5' Total leaching area 175 sq. ft. Bottom
Other Distribution box () _____ Dosing tank () _____
Percolation Test Results Performed by Filios Enterprises, Inc. Date 29 APR 1985 H1 + Perc
Test Pit No. 1 2 minutes per inch Depth of Test Pit 109" Depth to ground water None
Test Pit No. 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 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 Henry E. Whitlock 9/26/91
Application Approved By David J. Jorgensen for G.H.O. 9/26/91
Application Disapproved for the following reasons: _____

Permit No. 91-16 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 Ken Hislop at 14 Lady Slipper Lane 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. 91-16 dated _____

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

DATE 4/15/92 Inspector David J. Jorgensen for G.H.O.

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

No. 91-16 Town OF Amherst

PL 60 ⁰⁰
CH 1235

Disposal Works Construction Permit

Permission is hereby granted Henry E. Whitlock to Construct (✓) or Repair () an Individual Sewage Disposal System at No. 14 Lady Slipper Lane as shown on the application for Disposal Works Construction Permit No. 91-16 Dated 9/27/91 Board of Health

CHECK OR FILL IN WHERE APPLICABLE

TOWN OF AMHERST

PERC TEST DATA SHEET

DATE 9/16/91 LOCATION Lady Slipper Drive LOT SIZE 1.6 AC.

OWNER DAVID TORREY ADDRESS _____ TELE # _____

P.E./RS Robert Stover FIRM Kilms Eng. OBSERVED BY D. Zarizinsky

BACK HOE OPERATOR _____ BENCH MARK _____

PERC DEPTH _____ PRE SOAK TIME _____ PERC DEPTH _____ PRE SOAK TIME _____

TEST _____

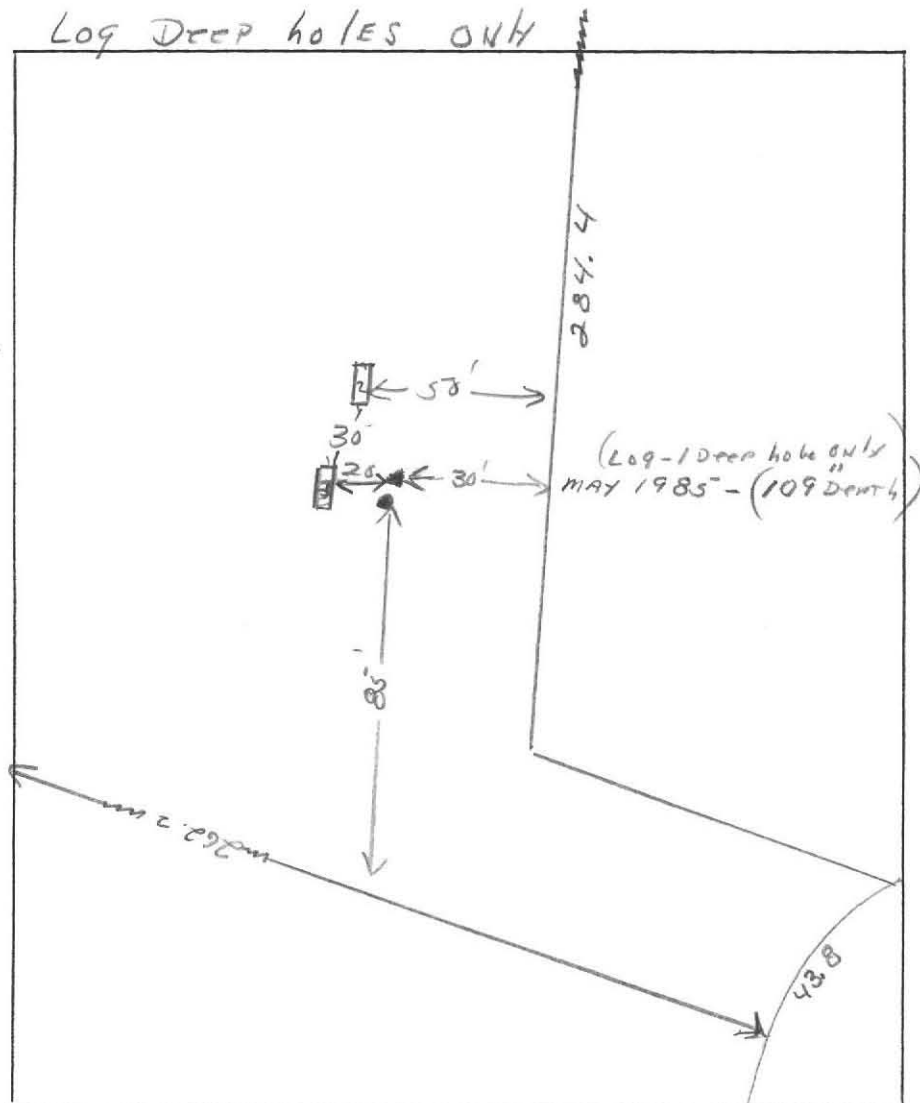
NO TEST Log deep holes only

RATE _____ RATE _____

2 [#]	3 [#]
TOP 5'	TOP 5'
SUB 24"	SUB 22'
Fine Sand 4 1/2'	Fine Sand 4 1/2'
Coarse Sand/gravel	Med Sand 8'
DAY 12'	Med Gray 12'

TOP	TOP
SUB	SUB

TOP	TOP
SUB	SUB



PRP

AREA IN PRP =
36,400 S.F.

PRP ZONE DISTRICT LINE

111

31,000 S.F.

97

1.6 ACRES

40,500 S.F.

96

1.3 ACRES

95

94

1.2 ACRES

98

108

99

1.5 ACRES

102

31,800 S.F.

101

31,300 S.F.

107

33,000 S.F.

109

35,000 S.F.

10' X 50' RAMP
OUTLET

20' WIDE DRAINAGE
EASEMENT

20' WIDE
DRAINAGE EASEMENT

3" WATER MAIN

15' @ 10' BLDG LINE

15' @ 10' BLDG LINE

15' @ 10' BLDG LINE

15' @ 10' BLDG LINE

15' @ 10' BLDG LINE

15' @ 10' BLDG LINE

15' @ 10' BLDG LINE

15' @ 10' BLDG LINE

15' @ 10' BLDG LINE

DEEP SOIL LOGS

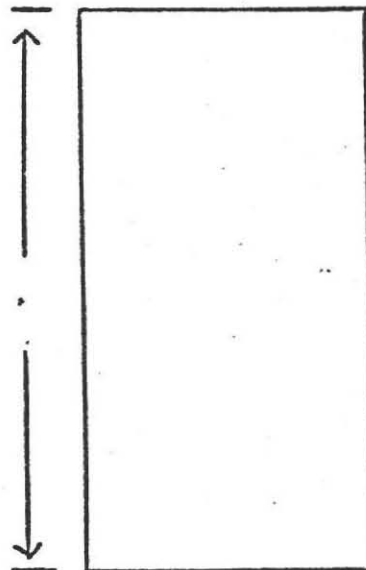
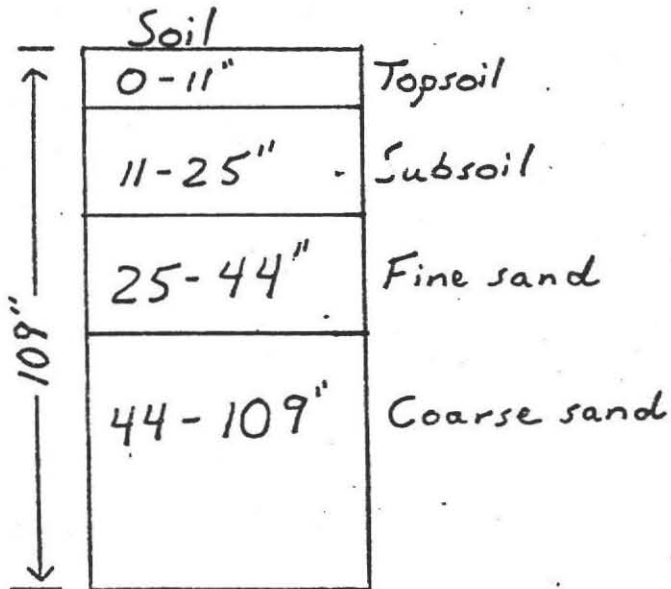
OWNER Amherst Woods Inc.

DATE April 29, 1985

LOCATION Amherst Woods

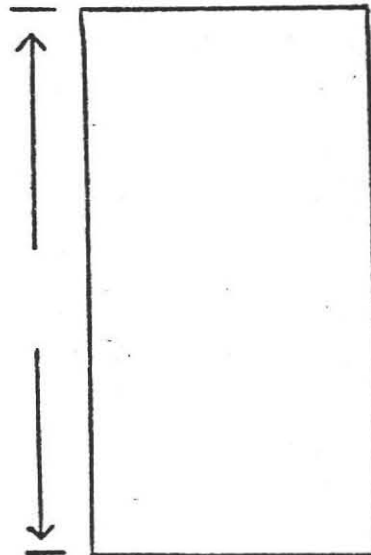
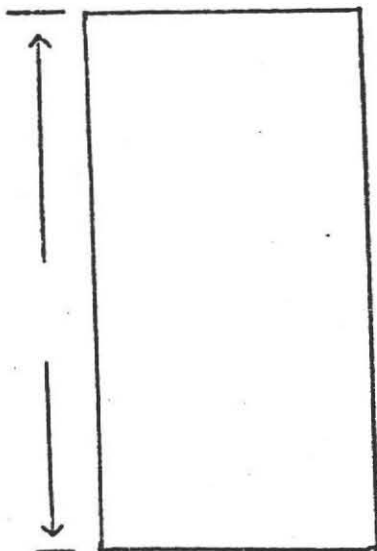
OBSERVER F.A. Filios

Lot # 97



GROUND WATER None

GROUND WATER _____



GROUND WATER _____

GROUND WATER _____

PERCOLATION RATE AT 39"

< 2 min./inch

David Torrey

PERCOLATION TEST LOCATION

For: Amherst Woods Inc.

At: Amherst Woods

By: F.A. Filios

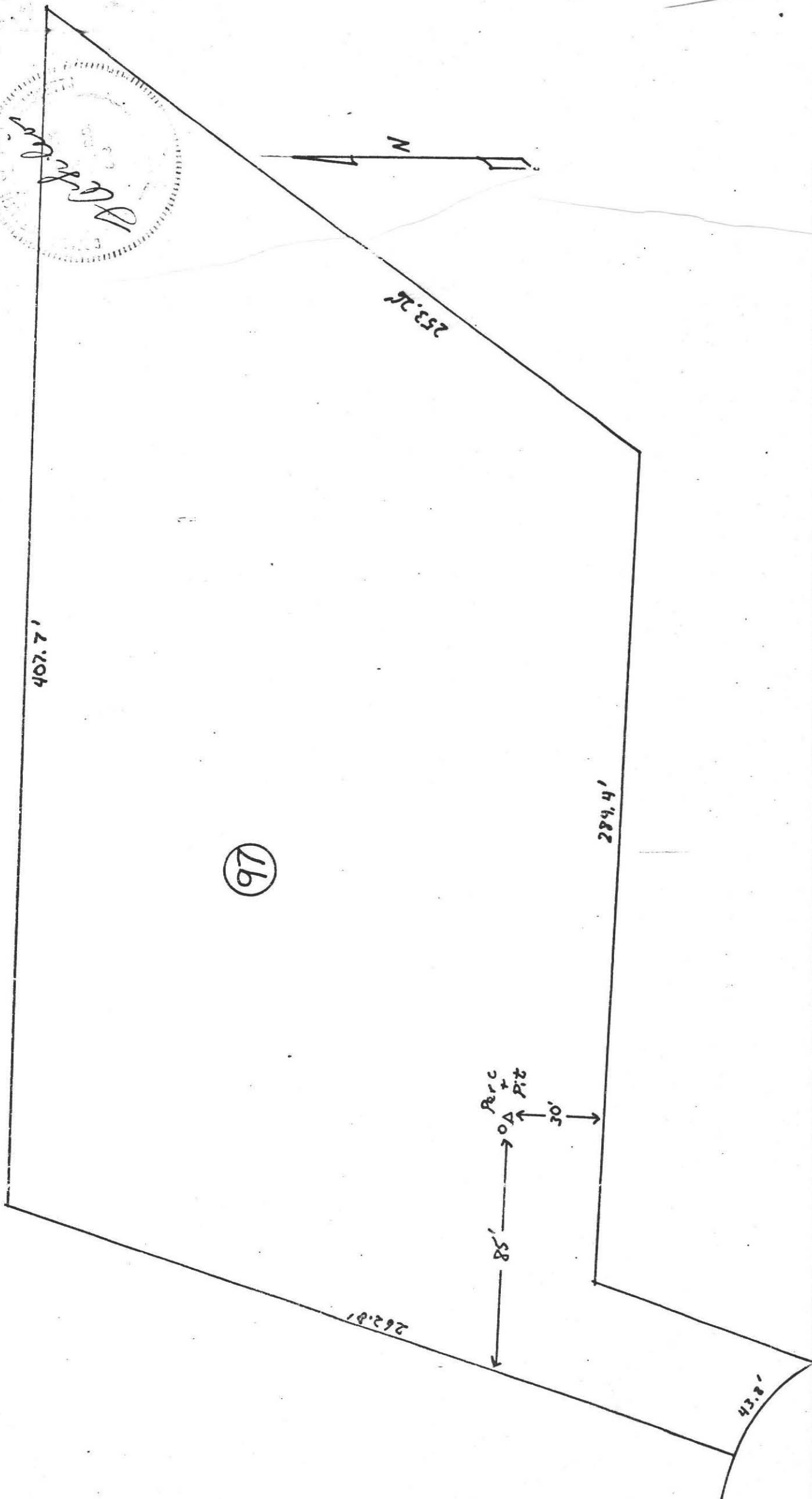
4413 Pine St.

Lot, #97

May, 1985

Philadelphia, PA.

Scale: 1"=40'





Percolation Test Report and Deep Soil Log

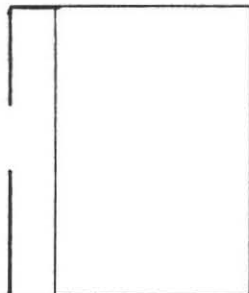
FILIOS ENTERPRISES

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

Owner: HENRY E. WHITLOCK
Location: LOT # 97
LADYSLIPPER LN.
AMHERST, MA

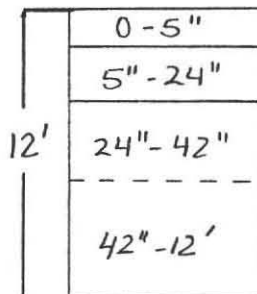
Date: 16 SEPTEMBER 1991
B. of H. DAVID ZAROZINSKI

DEEP HOLE 1



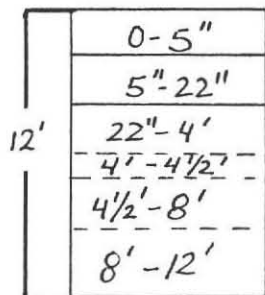
Ground Water _____

DEEP HOLE 2



TOPSOIL
SUBSOIL
GLACIAL OUTWASH
FINE AND MED. SAND
STRATIFIED
COARSE SAND TO
GRAVEL OUTWASH
STRATIFIED
Ground Water NONE

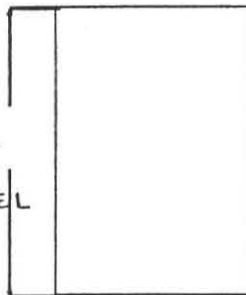
DEEP HOLE 3



TOPSOIL
SUBSOIL
GLACIAL OUTWASH TO 12'
FINE SAND, OCCASIONAL GRAVEL
FINE GRAVEL LENSE
MEDIUM SAND OCCASIONAL GRAVEL
GREY MEDIUM SAND

Ground Water NONE

DEEP HOLE 4



Ground Water _____

PERC TEST

DEPTH OF PERC _____

PERC RATE: _____ MIN./IN.

COMENTS:

DEEP HOLE # 1 AND PERC TEST

RESULTS ON 1985 SOIL LOG

DEEP SOIL LOGS

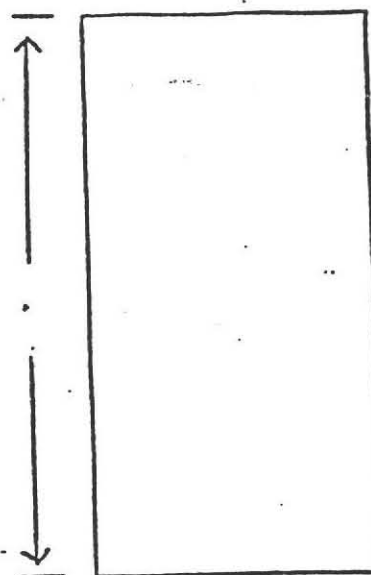
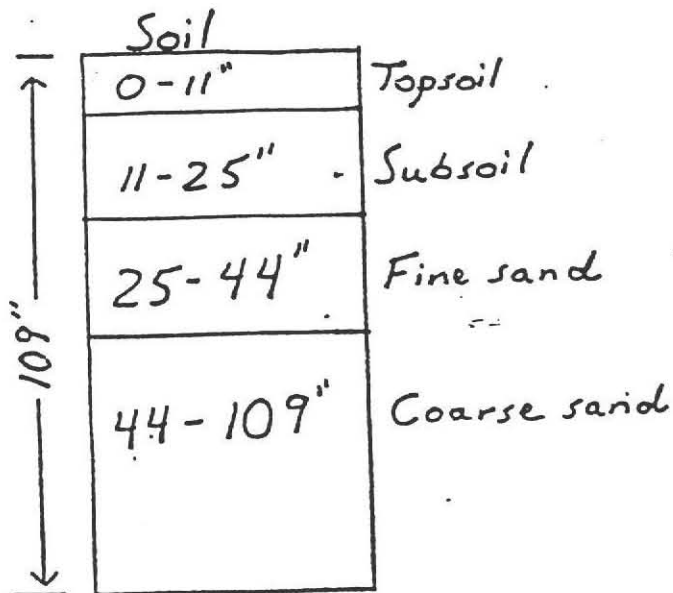
OWNER Amherst Woods Inc.

DATE April 29, 1985

LOCATION Amherst Woods

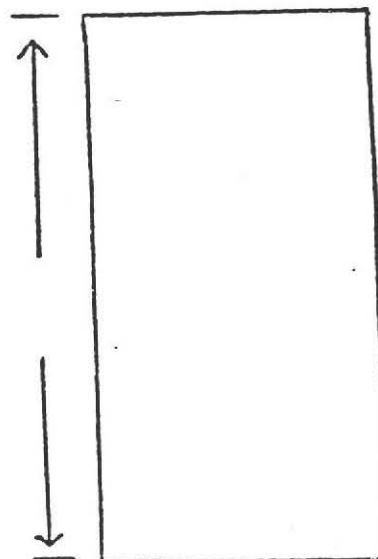
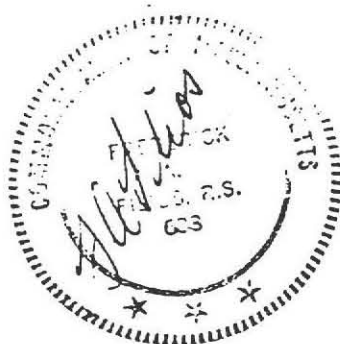
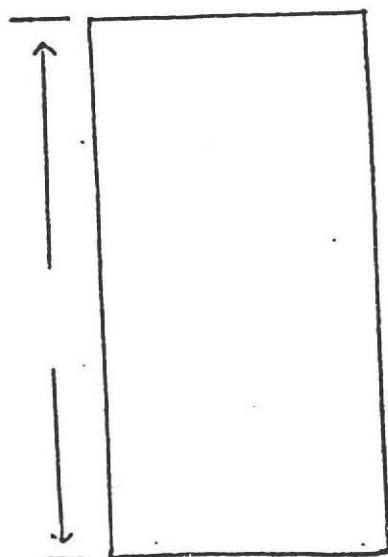
OBSERVER F.A. Filios

Lot # 97



GROUND WATER None

GROUND WATER _____

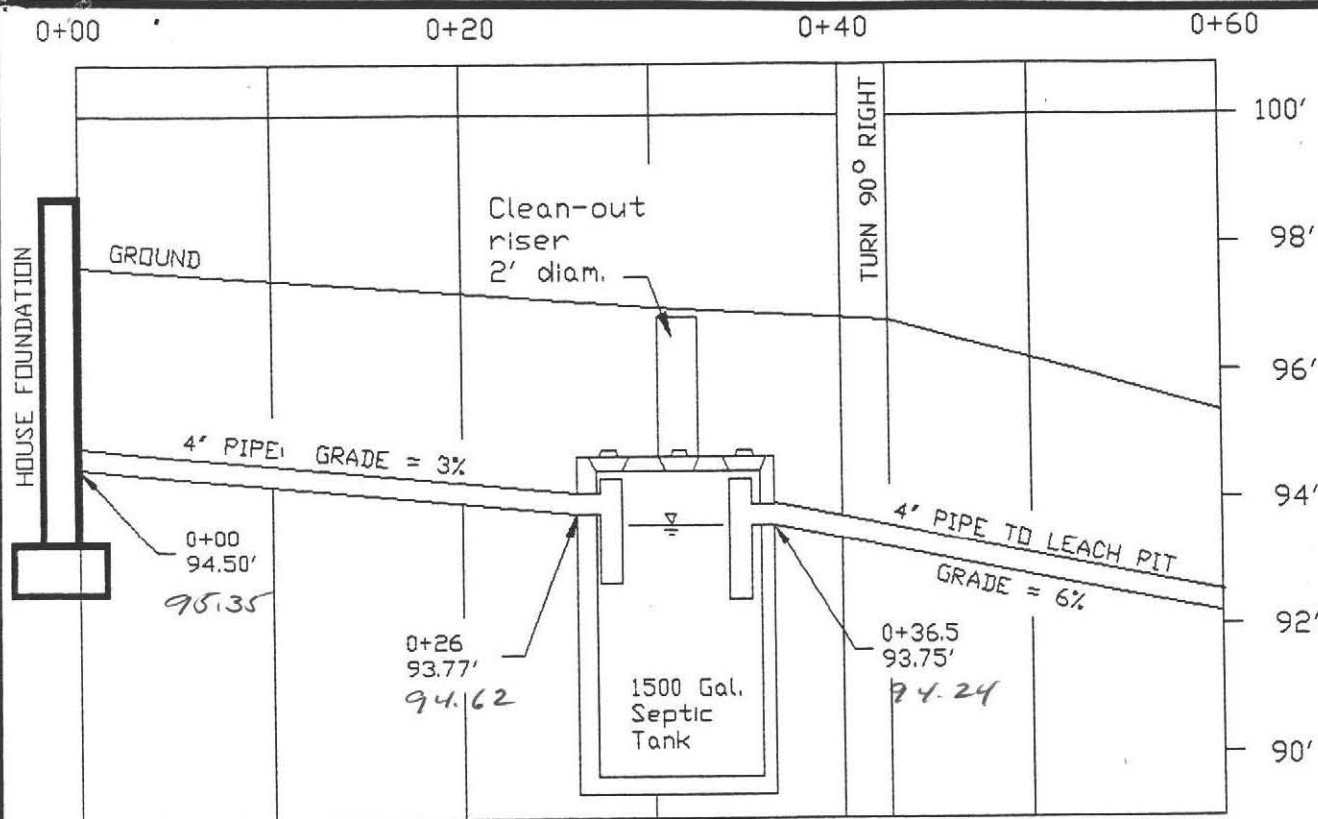


GROUND WATER _____

GROUND WATER _____

PERCOLATION RATE AT 39':

< 2 min/inch



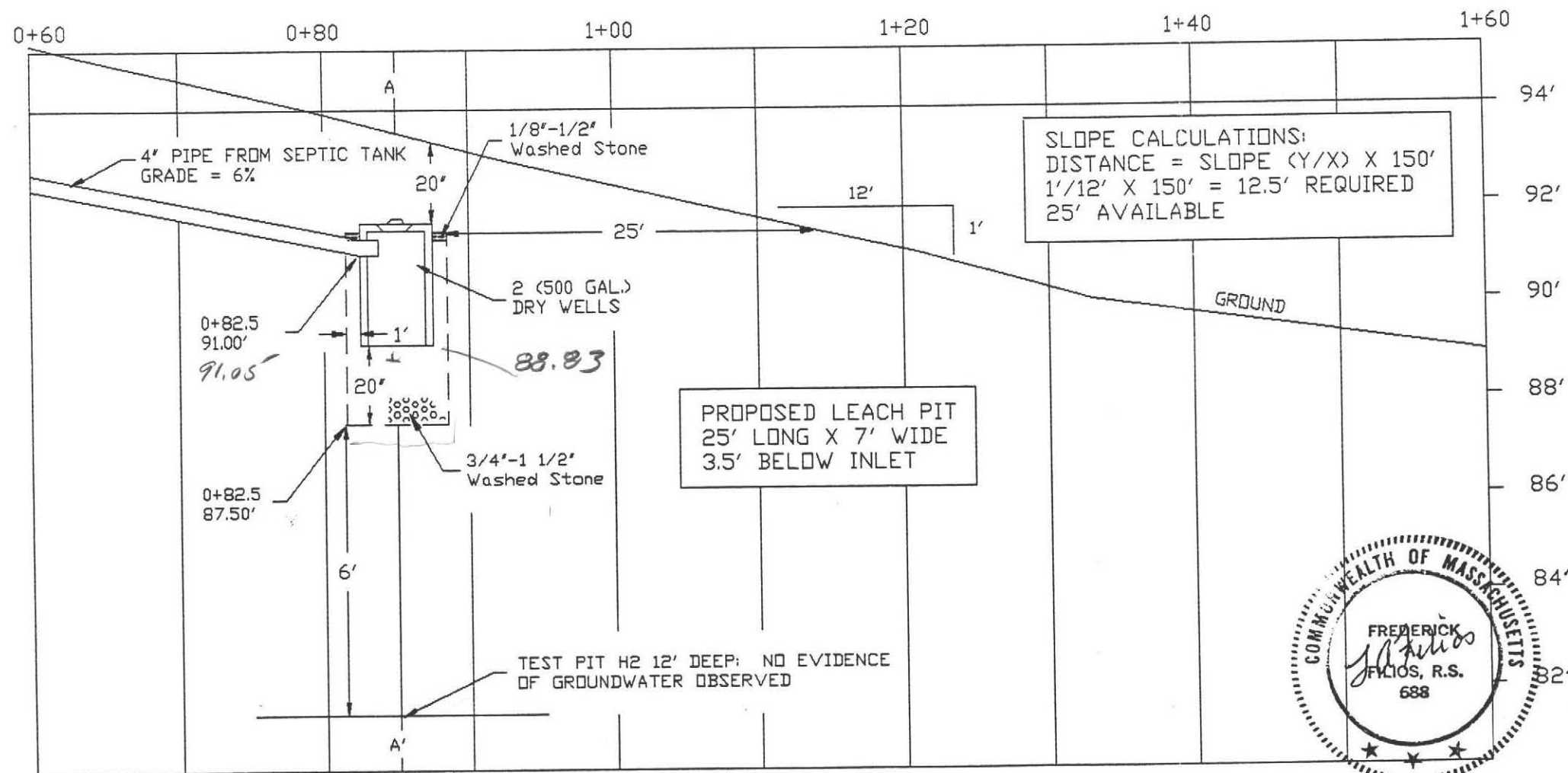
100' Elevation Assumed at TBM. TBM is nail in base of tree as shown on planview.

Construction Notes

1. Septic tank should be inspected and pumped annually.
2. Inlet and outlet tees must extend 14" and 24" below the flow line respectively.

SPECIFICATIONS

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



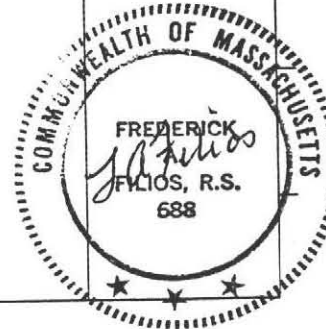
CALCULATIONS

REQUIRED:
FOR A THREE BEDROOM HOUSE WITH GARBAGE GRINDER IN AMHERST, MA AT 110 GAL./DAY/BEDROOM X 1.5 (ALLOWANCE FOR GARBAGE GRINDER) X 1.25 (TOWN REQUIREMENT) = 620 GAL./DAY REQUIRED.

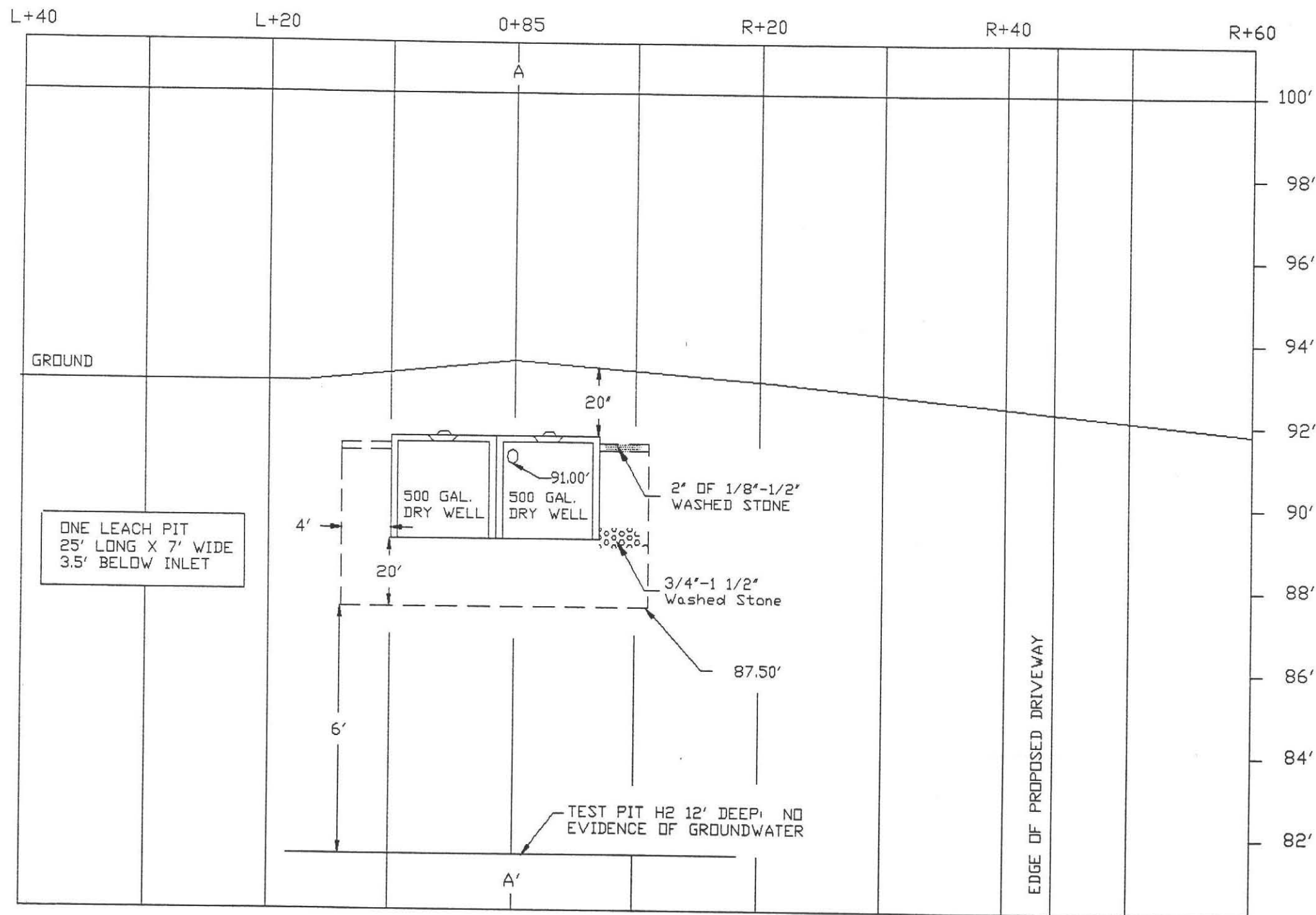
DESIGNED:
ONE LEACH PIT: 25 FT. LONG X 7 FT. WIDE X 3.5 FT. BELOW INLET. DESIGNED WITH A PERCOLATION RATE OF 2 MIN./INCH GIVING SIDEWALL AND BOTTOM AREA LOADING FACTORS OF 2.5 AND 1.0 GAL./SQ.FT. RESPECTIVELY.

SIDEWALL: 2 SIDES (25' X 3.5')	2.5 GAL./SQ.FT.	= 437.5 GAL./DAY
ENDWALL: 2 ENDS (7' X 3.5')	2.5 GAL./SQ.FT.	= 122.5 GAL./DAY
BOTTOM: (25' X 7')	1.0 GAL./SQ.FT.	= 175.0 GAL./DAY
TOTAL:		= 735.0 GAL./DAY

PROFILE OF SEWAGE DISPOSAL SYSTEM	
LOT # 97, LADYSLIPPER LN., AMHERST, MA	
BY: FILIOS ENTERPRISES, INC. 69 PELHAM RD. AMHERST MA 01002 (413)256-8008	FOR: HENRY E. WHITLOCK 399 WARRENWRIGHT RD. BELCHERTOWN, MA 01007
DRAWN BY R. STOVER	SCALE: 1" = 10' HOR. 3' VER.
24 SEPTEMBER 1991	PAGE TWO OF THREE



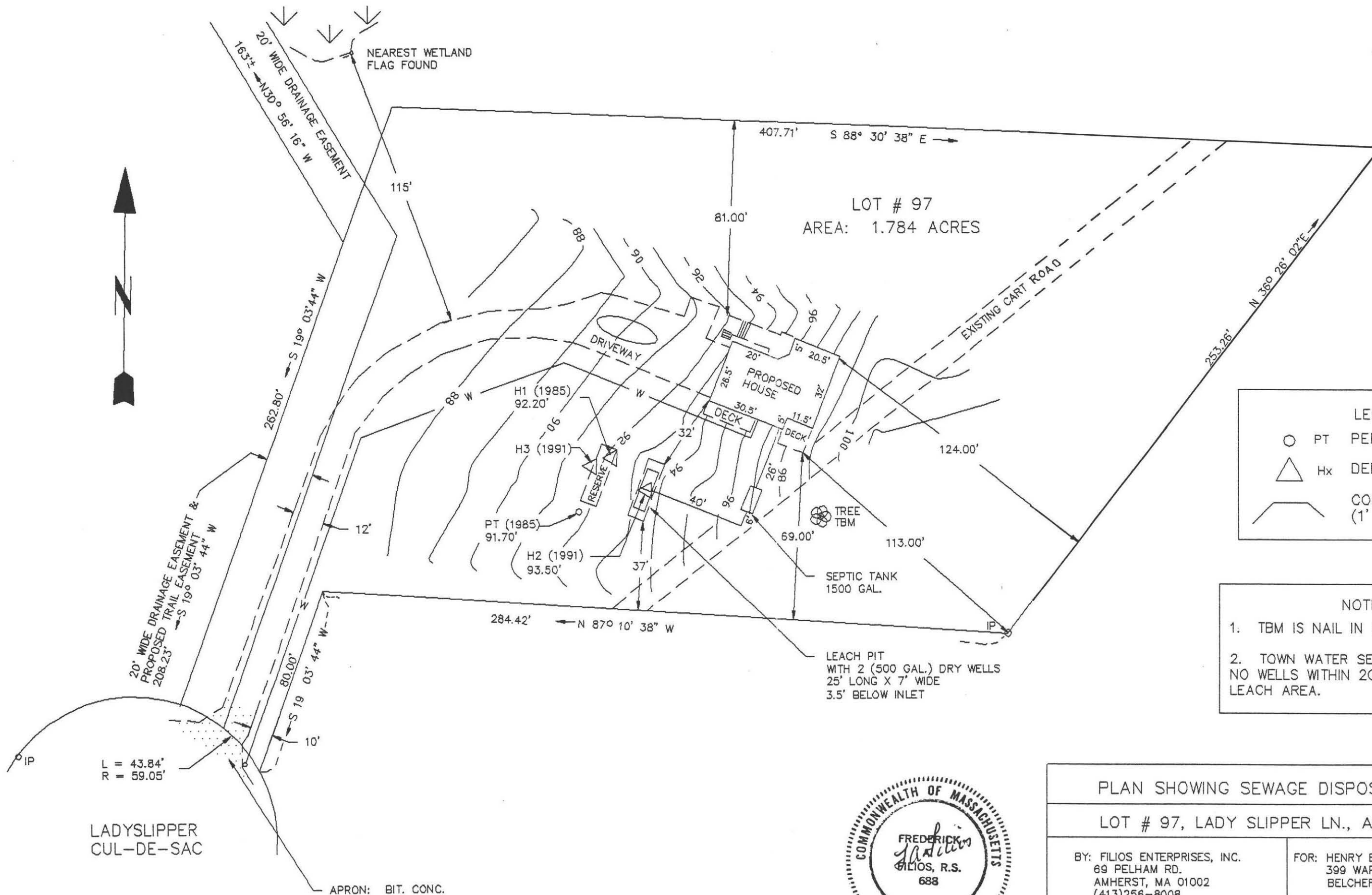
CROSS-SECTION OF LEACH PIT AT A-A' (0+85)



100' Elevation Assumed at TBM. TBM is nail in base of tree as shown on planview.

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	
LOT # 97, LADYSLIPPER LN., AMHERST, MA	
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DRAWN BY R. STOVER	SCALE: 1" = 10' HOR. 3' VER.
24 SEPTEMBER 1991	PAGE THREE OF THREE



LEGEND

○ PT PERCOLATION TEST

△ Hx DEEP TEST PIT

— CONTOUR LINES (1' INTERVAL)

- NOTES:
1. TBM IS NAIL IN BASE OF TREE.
 2. TOWN WATER SERVICE IS AVAILABLE. NO WELLS WITHIN 200' OF THE LEACH AREA.



PLAN SHOWING SEWAGE DISPOSAL SYSTEM	
LOT # 97, LADY SLIPPER LN., AMHERST, MA	
BY: FILIOS ENTERPRISES, INC. 69 PELHAM RD. AMHERST, MA 01002 (413)256-8008	FOR: HENRY E. WHITLOCK 399 WARRENWRIGHT RD. BELCHERTOWN, MA 01007
DRAWN BY R. STOVER	SCALE: 1" = 40'00"
24 SEPTEMBER 1991	PAGE ONE OF THREE

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FORM 4 - SYSTEM PUMPING RECORD

Commonwealth of Massachusetts
AMHERST, Massachusetts

System Pumping Record

System Owner <i>D. Torrey</i>	System Location <i>14 Sady Slipper Ct.</i>
----------------------------------	---

Date of Pumping: *9-7-00*

Quantity Pumped: *1500* gallons

Type: Emergency ☐ Routine ☒

Cesspool: No ☐ Yes ☐ Septic Tank: No ☐ Yes ☒

System Pumped by (Company): Karl's Site Work Inc Permit #: 00-09 (OF)

Contents transferred to:

Amherst WWT

Date *9-7-00*

Pumper Signature *WBT*

Observations/Comments: *Looks good*

RECEIVED 1. 13