

No. 91-16

#14

PL 60
OR 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 # 97
Location - Address or Lot No.
Henry E. Whitlock 399 Warrenwright Rd., Belchertown, MA 01007
Address
Ken Hislop
Owner
Address
Ken Hislop
Installer

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 16 SEPT 1991 H12 + H3
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. Jurgens for G.H.O. 9/26/91
Application Disapproved for the following reasons: _____

Permit No. 91-16 Issued _____ Date _____

Ken Hislop 4/15/92
Installer

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. Jurgens for G.H.O.

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

Town OF Amherst

No. 91-16

PL 60
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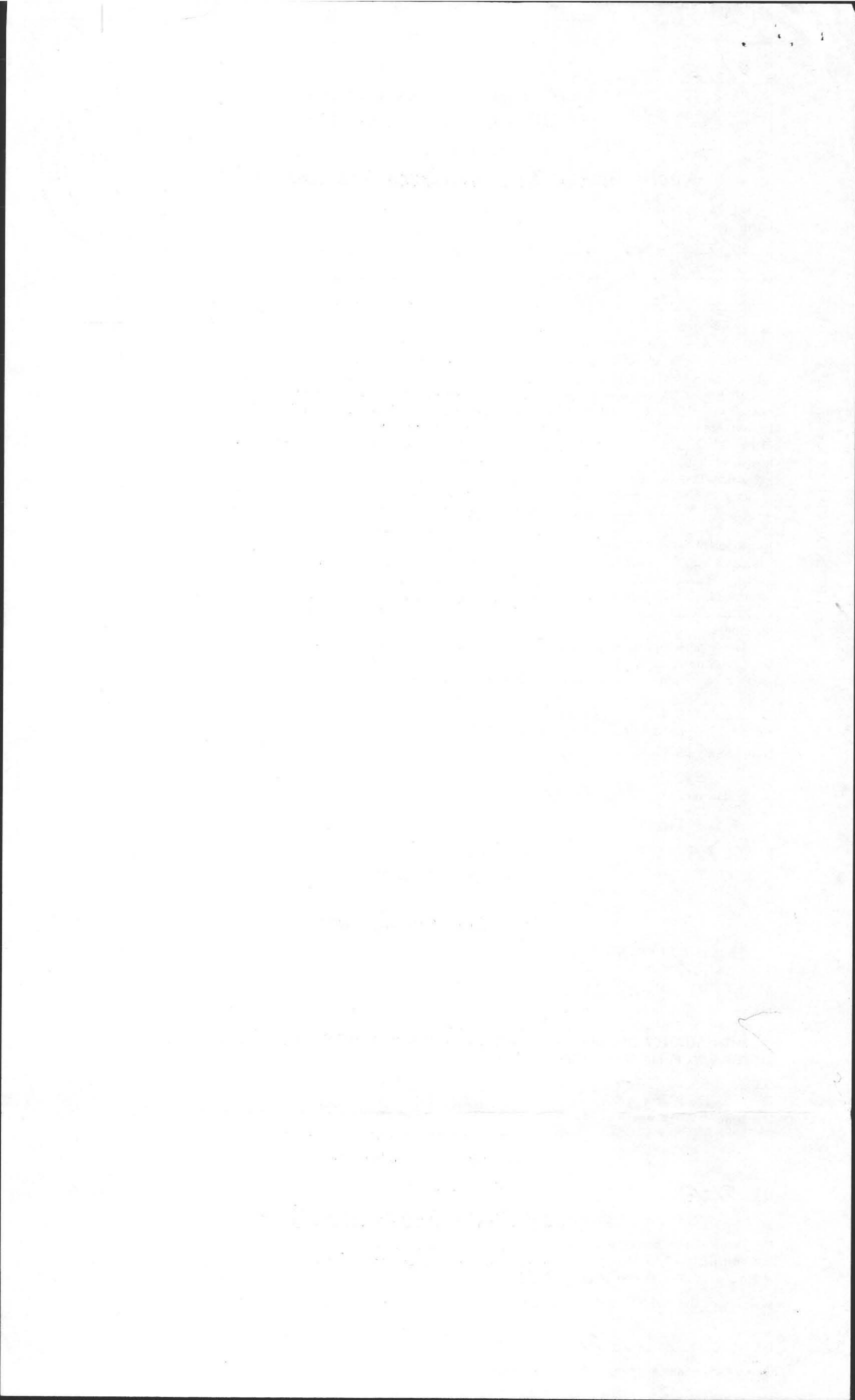
Disposal Works Construction Permit

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 _____

DATE 9/27/91 Board of Health David J. Jurgens for G.H.O.

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. Zarozinski

BACK HOE OPERATOR _____ BENCH MARK _____

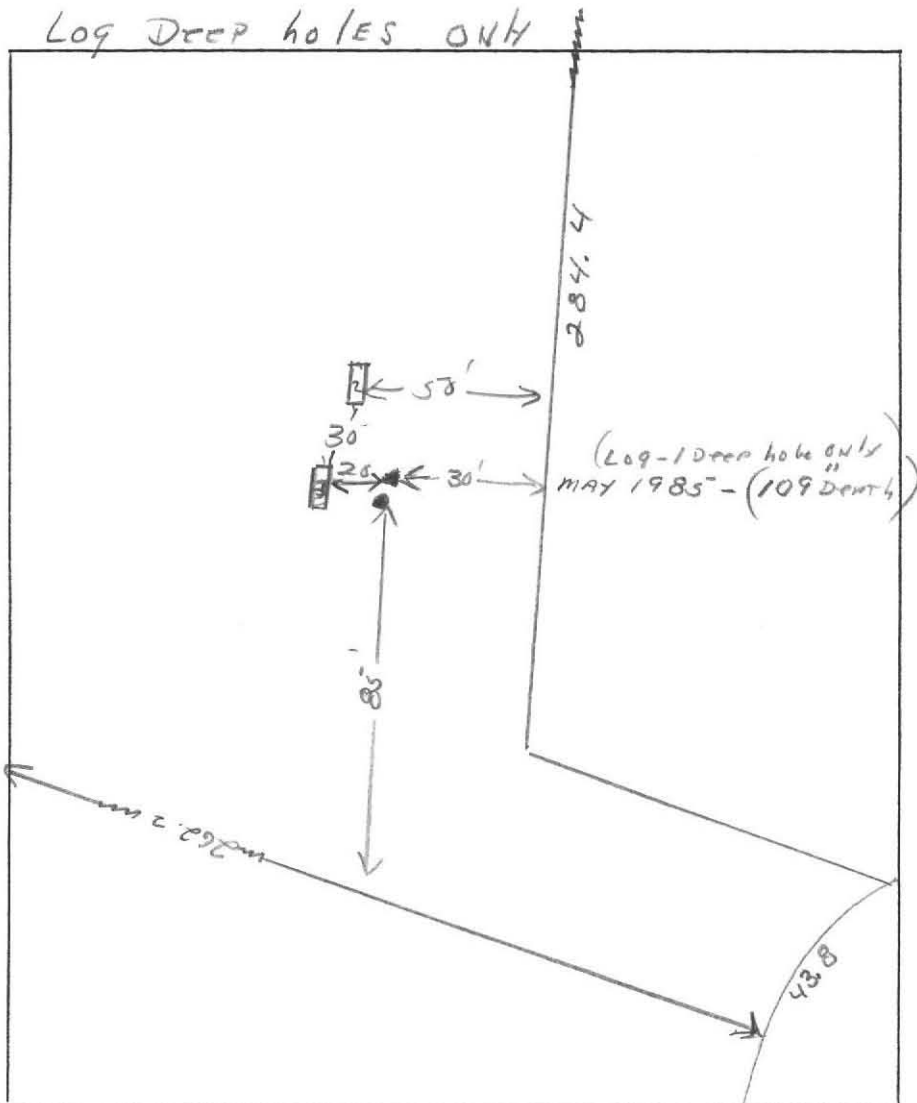
PERC DEPTH _____ PRE SOAK TIME _____ PERC DEPTH _____ PRE SOAK TIME _____

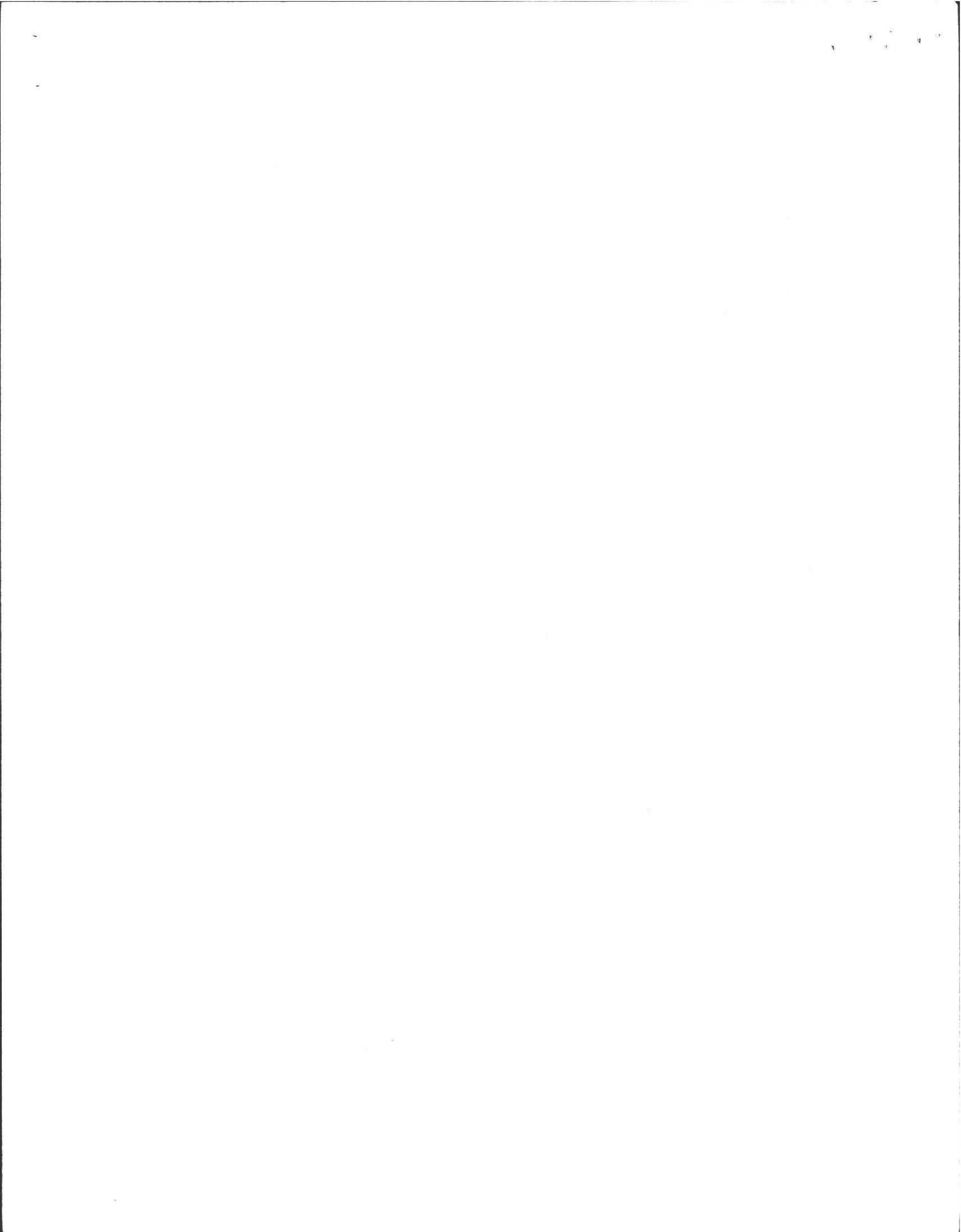
TEST _____

NO TEST Log deep holes only

RATE _____ RATE _____

2"	3"
TOP 5'	TOP 5'
SUB 24"	SUB 22"
Fine Sand 42"	Fine Sand 4 1/2'
Coarse Sand gravel	Med Sand 8'
DAY 12'	Med Gray DAY 12'
TOP	TOP
SUB	SUB
TOP	TOP
SUB	SUB





PRP

AREA IN PRP =
36,400 S.F.

111
31,000 S.F.

97
1.6 ACRES

96
40,500 S.F.

95
1.3 ACRES

94
1.2 ACRES

109
35,000 S.F.

98
1.1 ACRES

108
33,000 S.F.

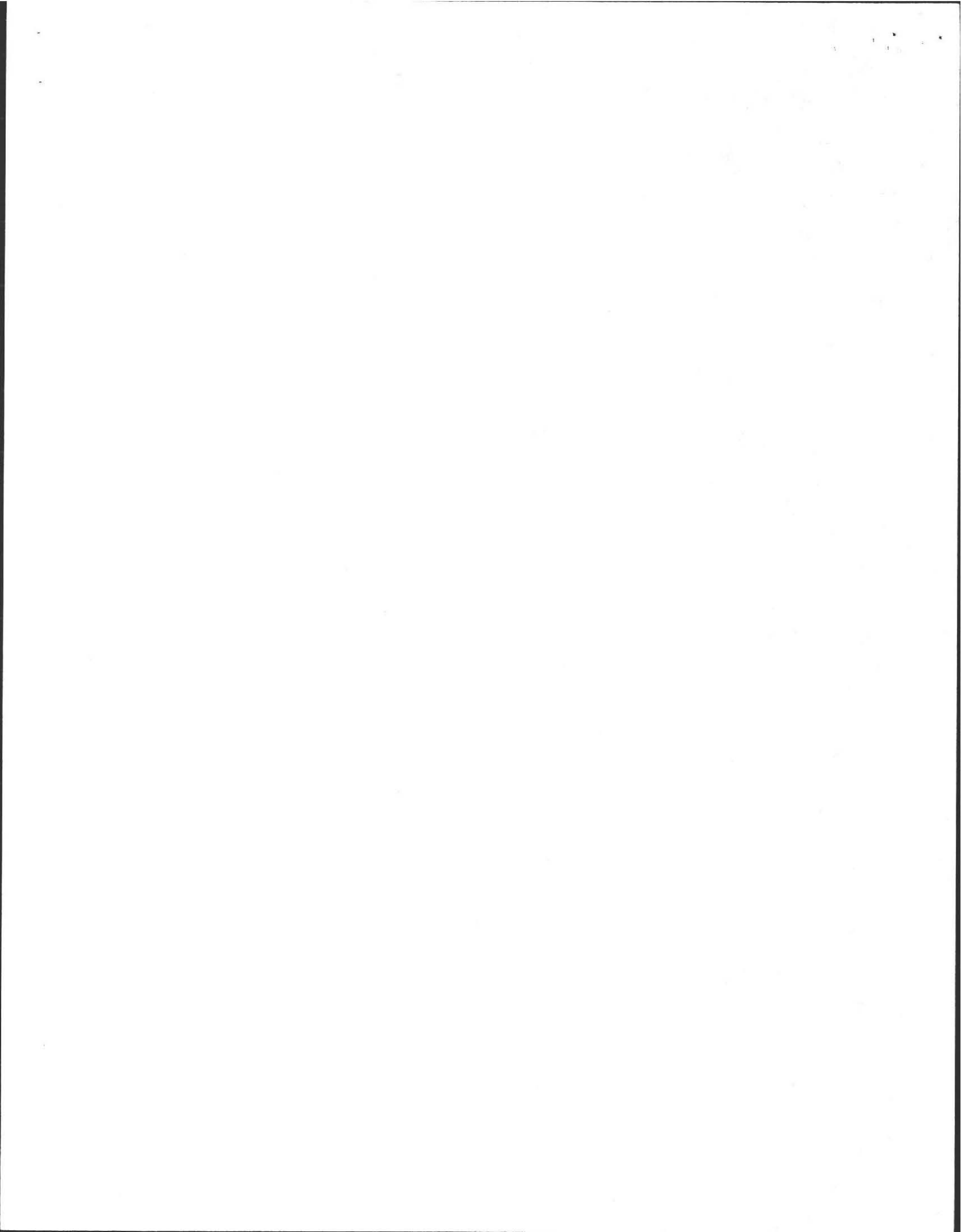
101
31,500 S.F.

102
31,800 S.F.

99
1.5 ACRES

107
33,000 S.F.





DEEP SOIL LOGS

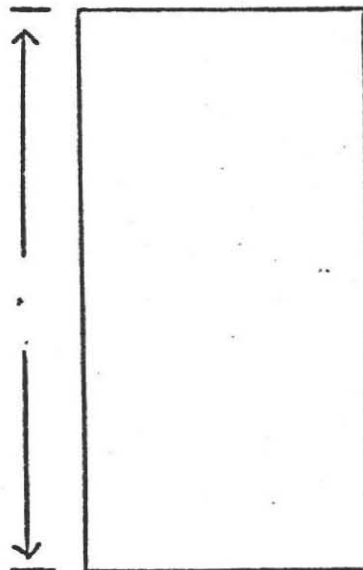
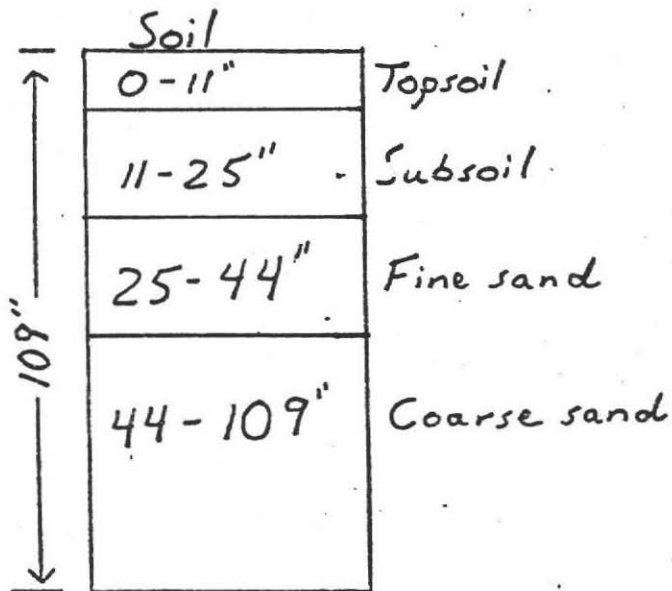
OWNER Amherst Woods Inc.

DATE April 29, 1985

LOCATION Amherst Woods

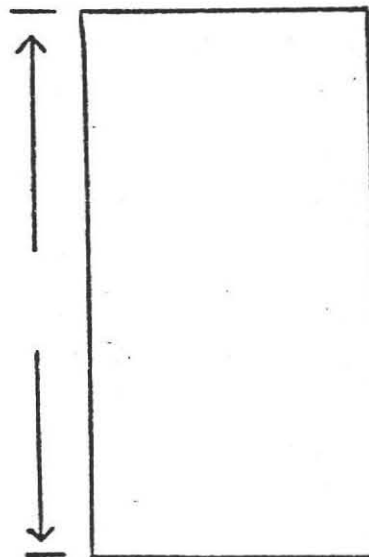
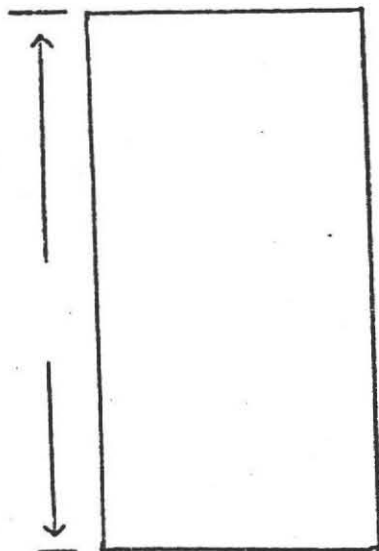
OBSERVER F.A. Filios

Lot # 97



GROUND WATER None

GROUND WATER _____

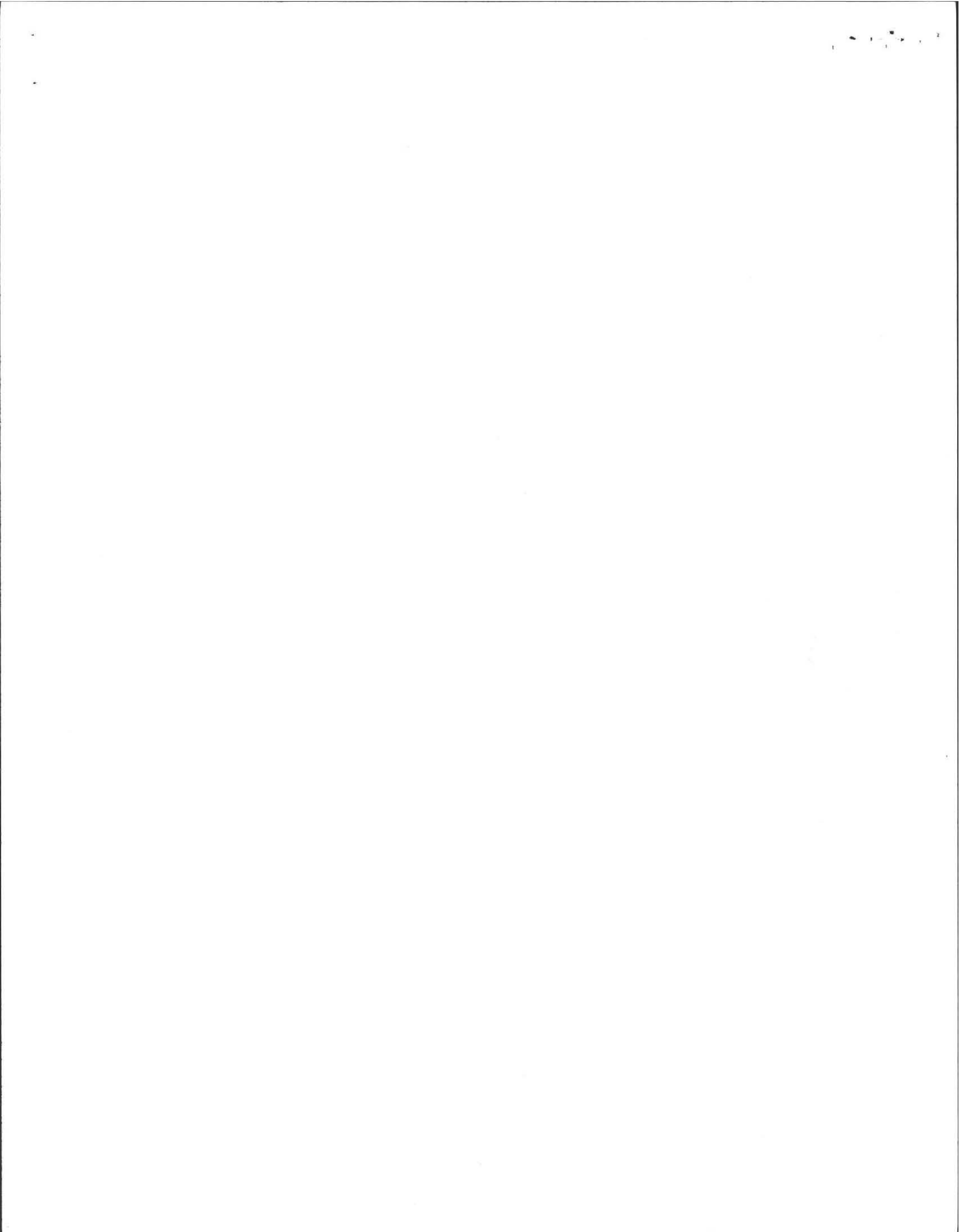


GROUND WATER _____

GROUND WATER _____

PERCOLATION RATE AT 39':

< 2 min./inch



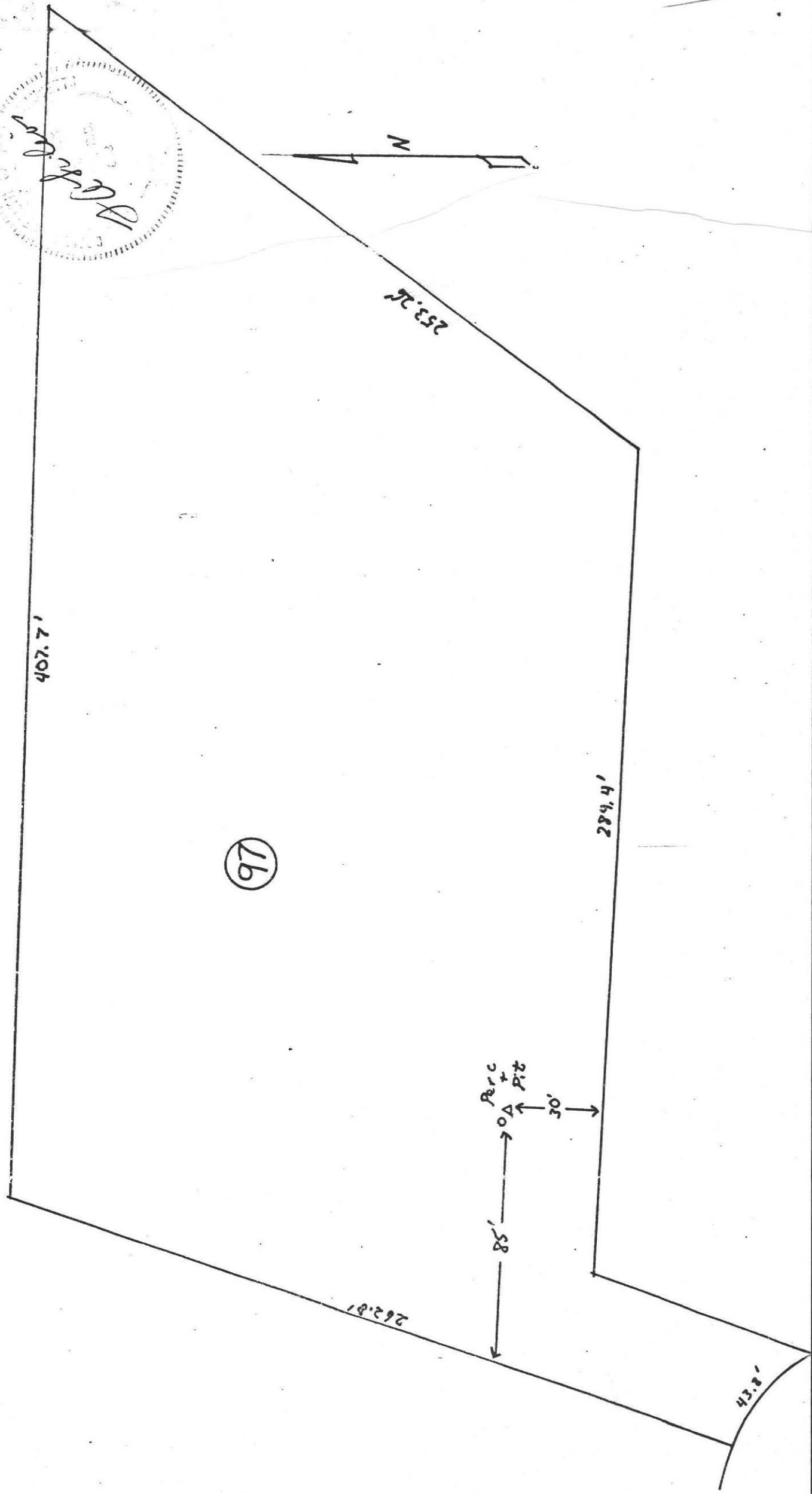
David Torrey

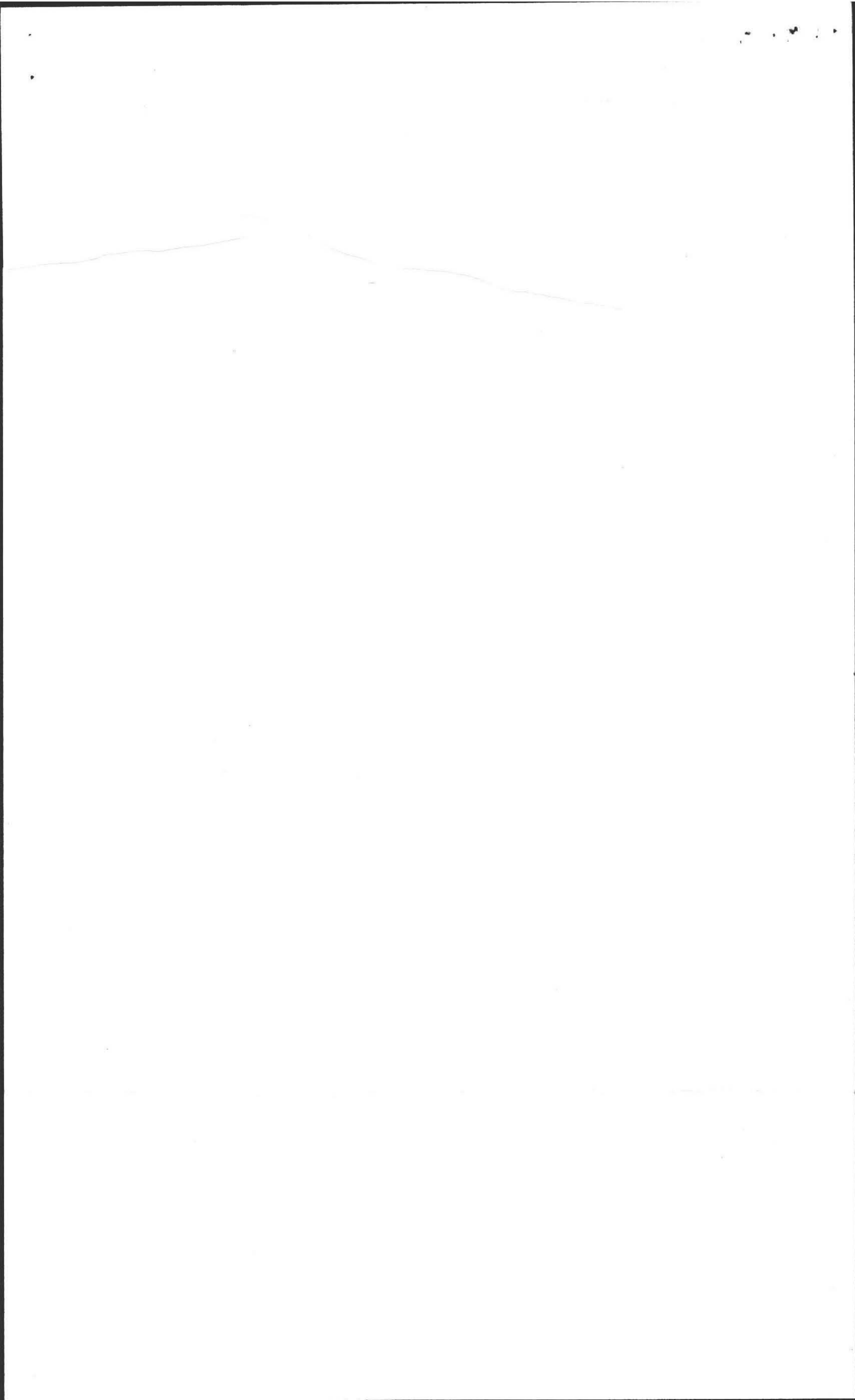
PERCOLATION TEST LOCATION

For: Amherst Woods Inc.
4413 Pine St.
Philadelphia, PA.

At: Amherst Woods
Lot, #97
Scale: 1"=40'

By: F.A. Filios
May, 1985







Percolation Test Report and Deep Soil Log

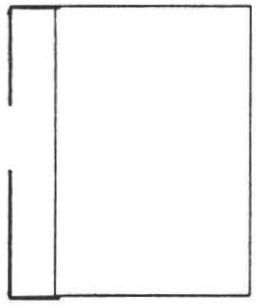
FILIOS ENTERPRISES

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

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

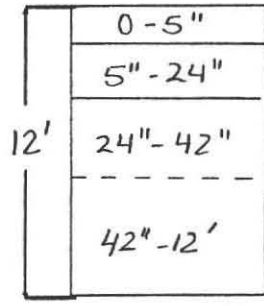
Date: 16 SEPTEMBER 1991
 B. of H. DAVID ZAROZINSKI

DEEP HOLE 1



Ground Water _____

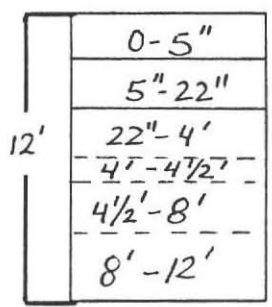
DEEP HOLE 2



TOPSOIL
 SUBSOIL
 GLACIAL OUTWASH
 FINE AND MED. SAND
 STRATIFIED
 COARSE SAND TO
 GRAVEL OUTWASH
 STRATIFIED

Ground Water NONE

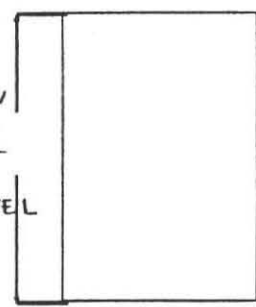
DEEP HOLE 3



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

Ground Water NONE

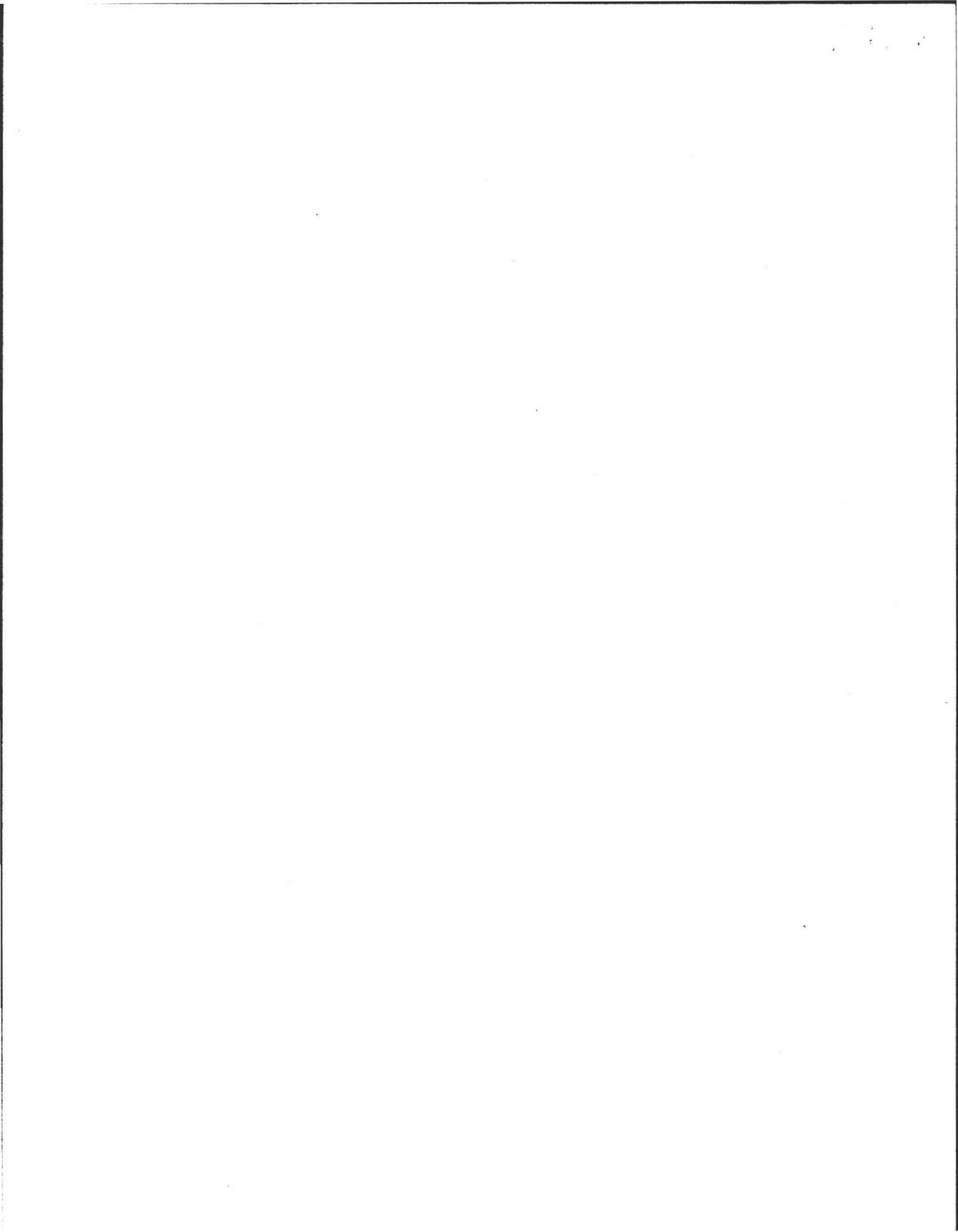
DEEP HOLE 4



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

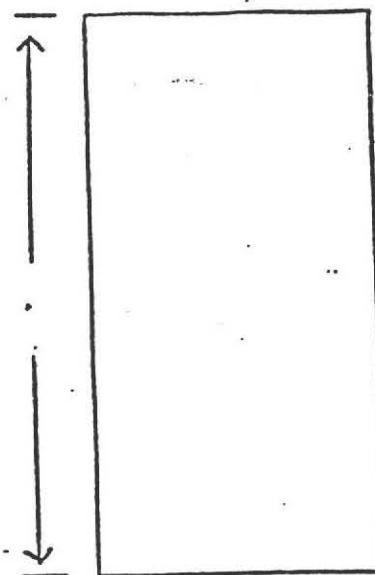
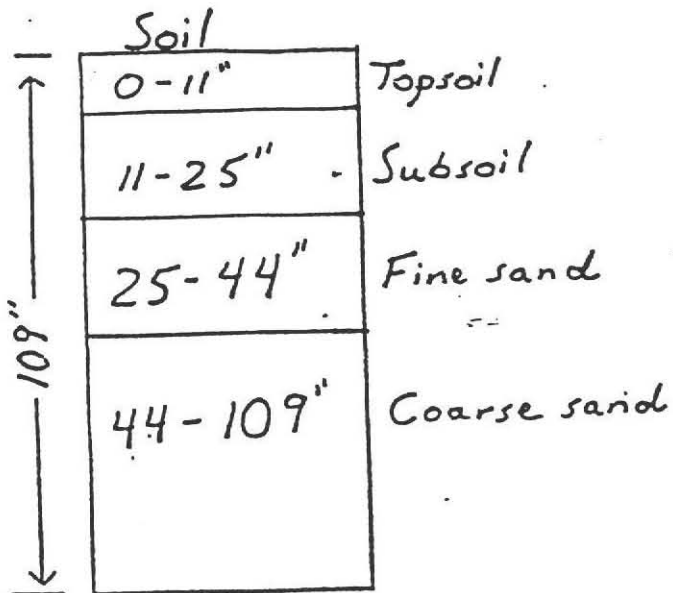
OWNER Amherst Woods Inc.

DATE April 29, 1985

LOCATION Amherst Woods

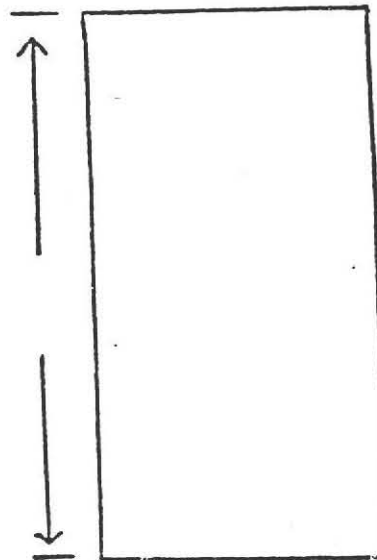
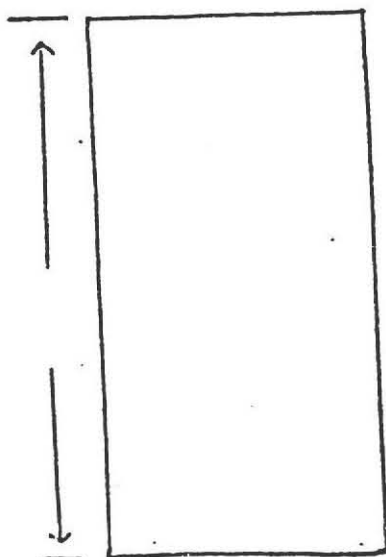
OBSERVER F.A. Filios

Lot # 97



GROUND WATER None

GROUND WATER _____

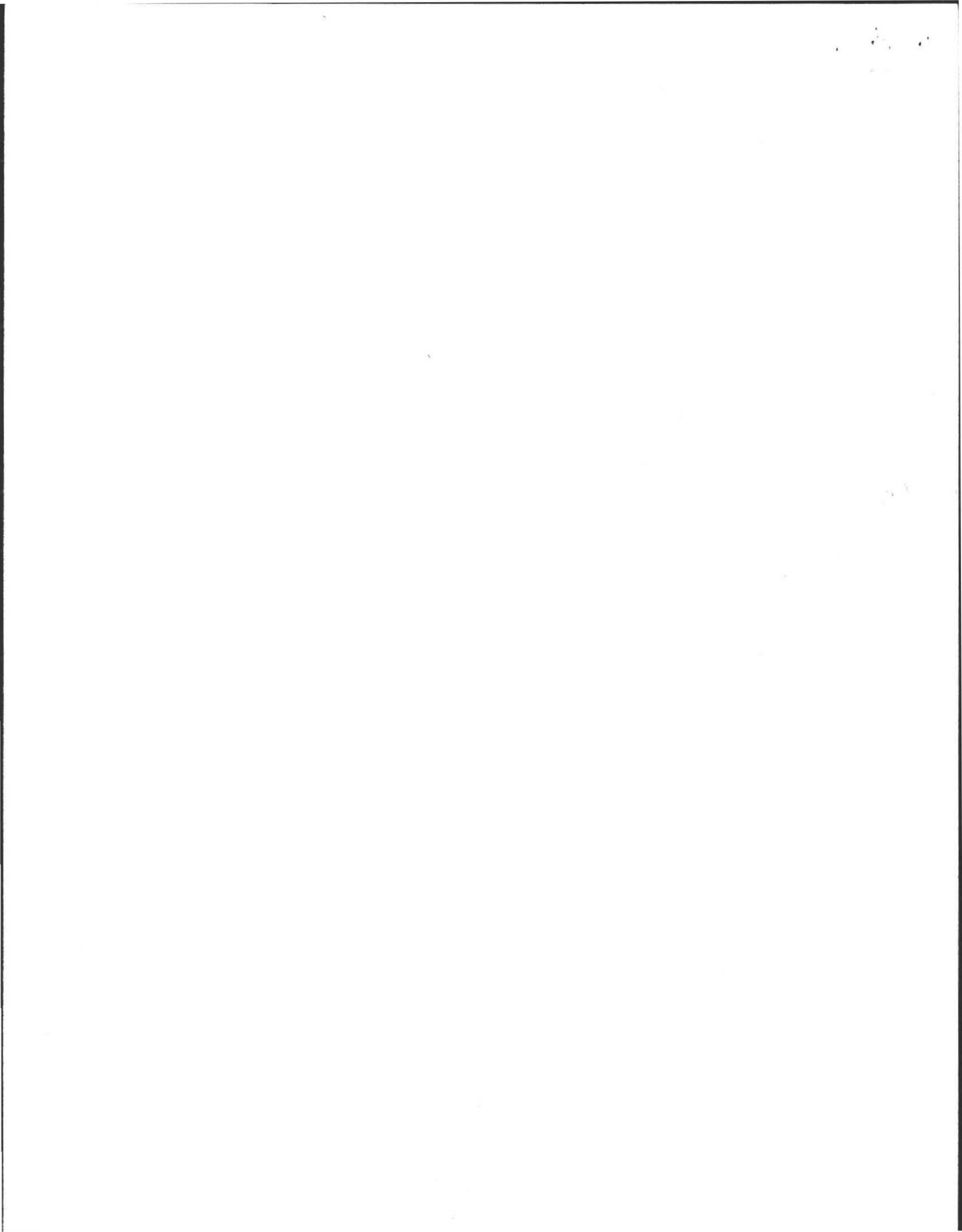


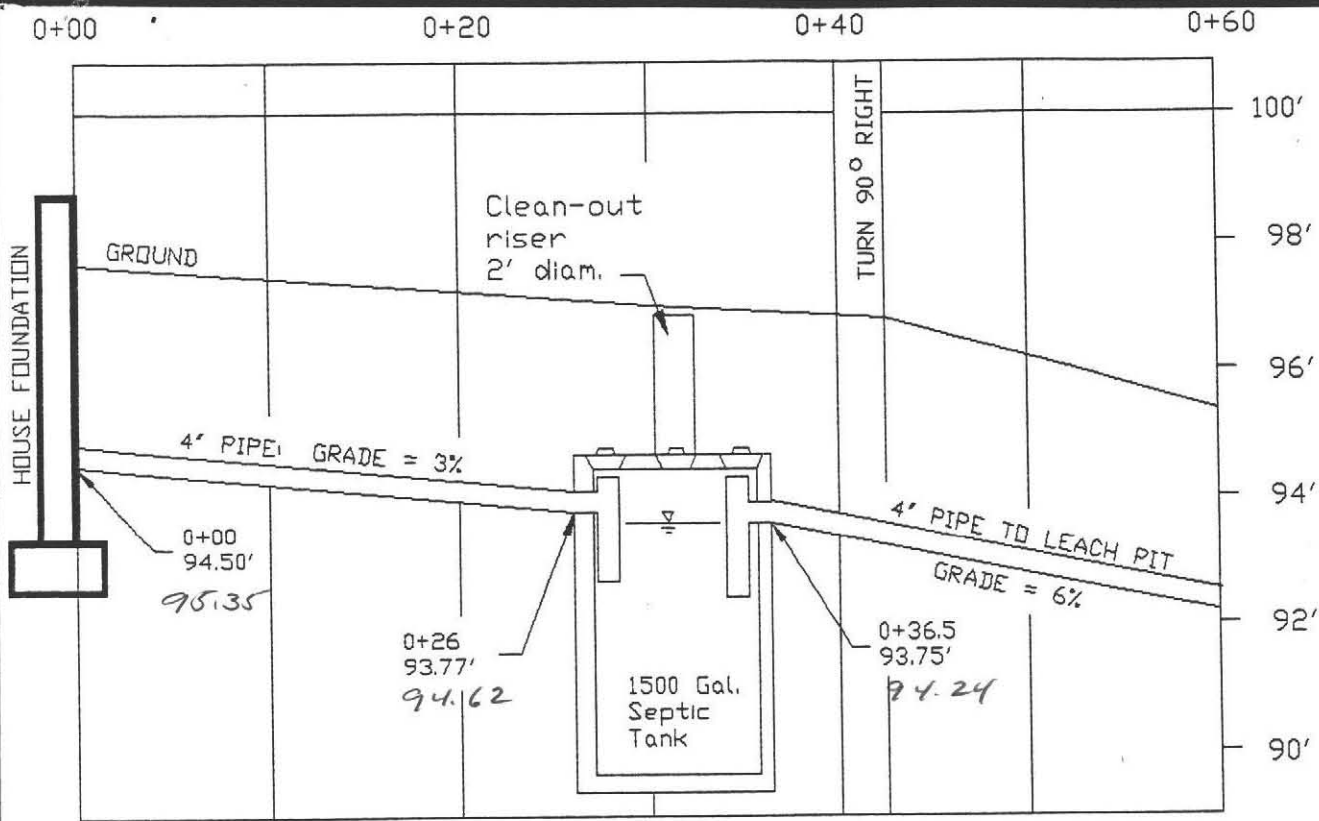
GROUND WATER _____

GROUND WATER _____

PERCOLATION RATE AT 39':

< 2 min/inch





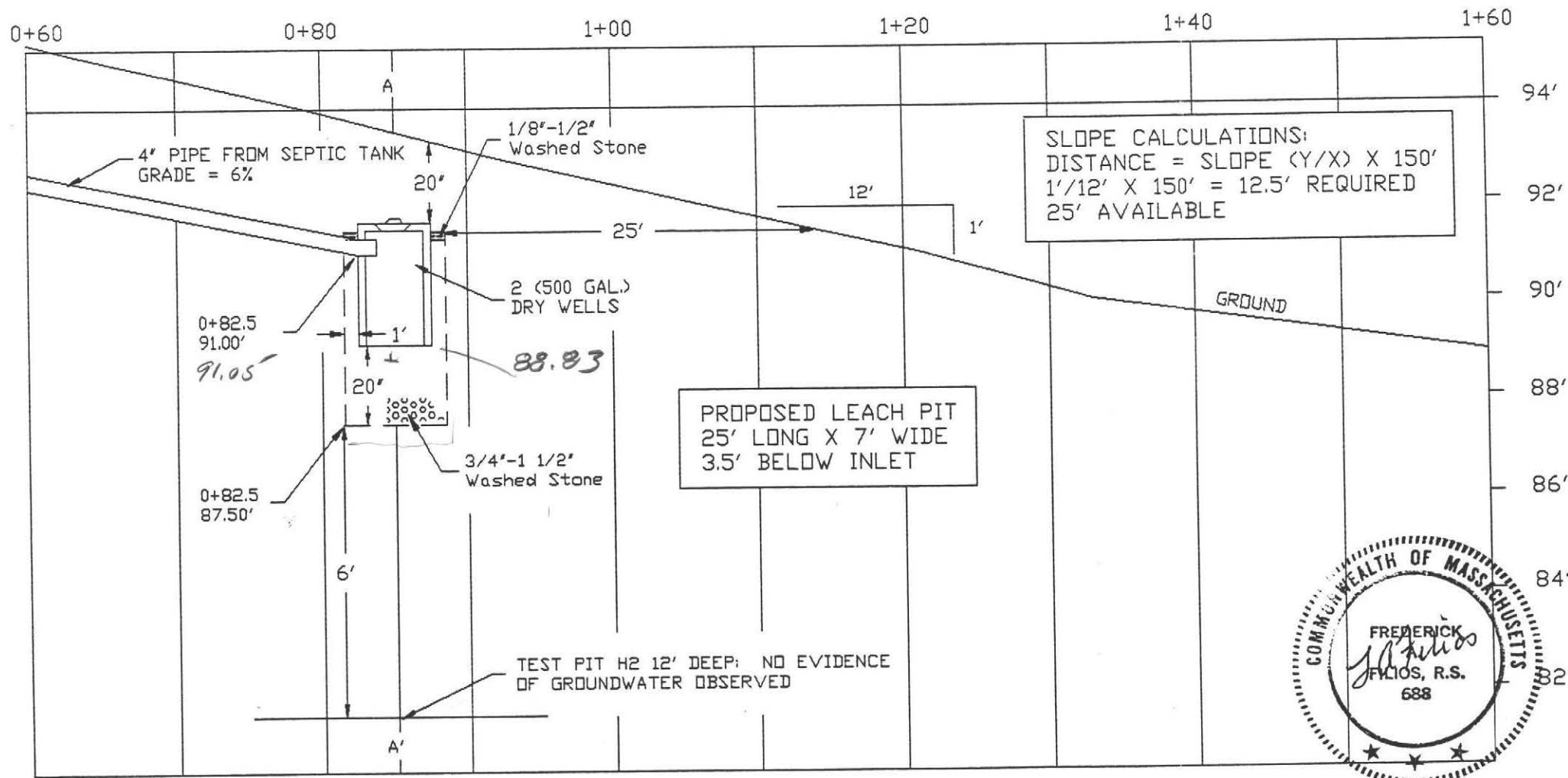
100' Elevation Assumed at TBM. TBM is nail in base of tree as shown on planview.

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.



SLOPE CALCULATIONS:
 DISTANCE = SLOPE (Y/X) X 150'
 1'/12' X 150' = 12.5' REQUIRED
 25' AVAILABLE

PROPOSED LEACH PIT
 25' LONG X 7' WIDE
 3.5' BELOW INLET

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.

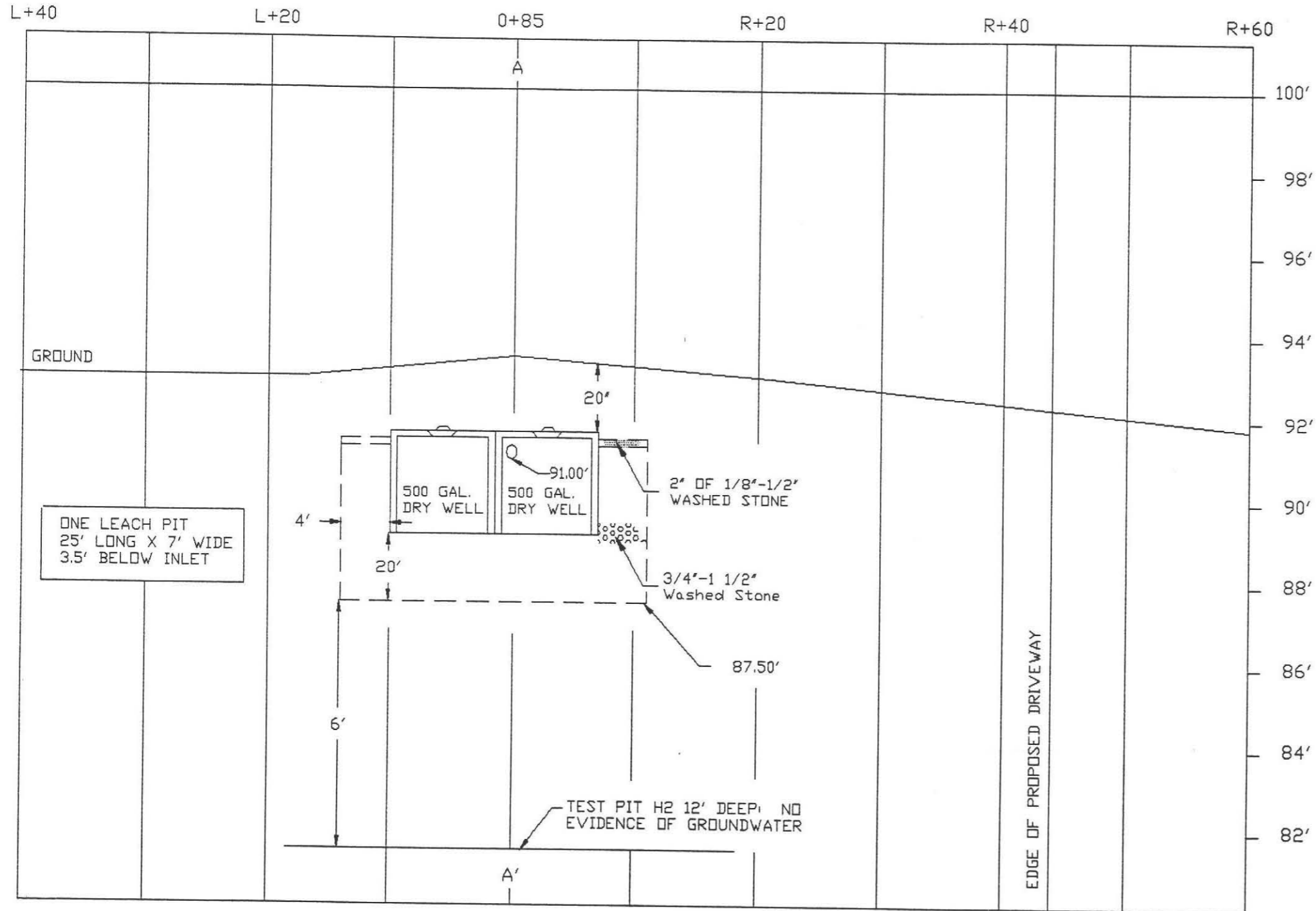
SIDEWALL: 2 SIDES (25' X 3.5')	2.5 GAL./SQ.FT.	= 437.5 GAL./DAY
ENDWALL: 2 ENDS (7' X 3.5')	2.5 GAL./SQ.FT.	= 122.5 GAL./DAY
BOTTOM: (25' X 7')	1.0 GAL./SQ.FT.	= 175.0 GAL./DAY
TOTAL:		= 735.0 GAL./DAY



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 24 SEPTEMBER 1991	SCALE: 1" = 10' HOR. 3' VER. PAGE TWO OF THREE



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



ONE LEACH PIT
25' LONG X 7' WIDE
3.5' BELOW INLET

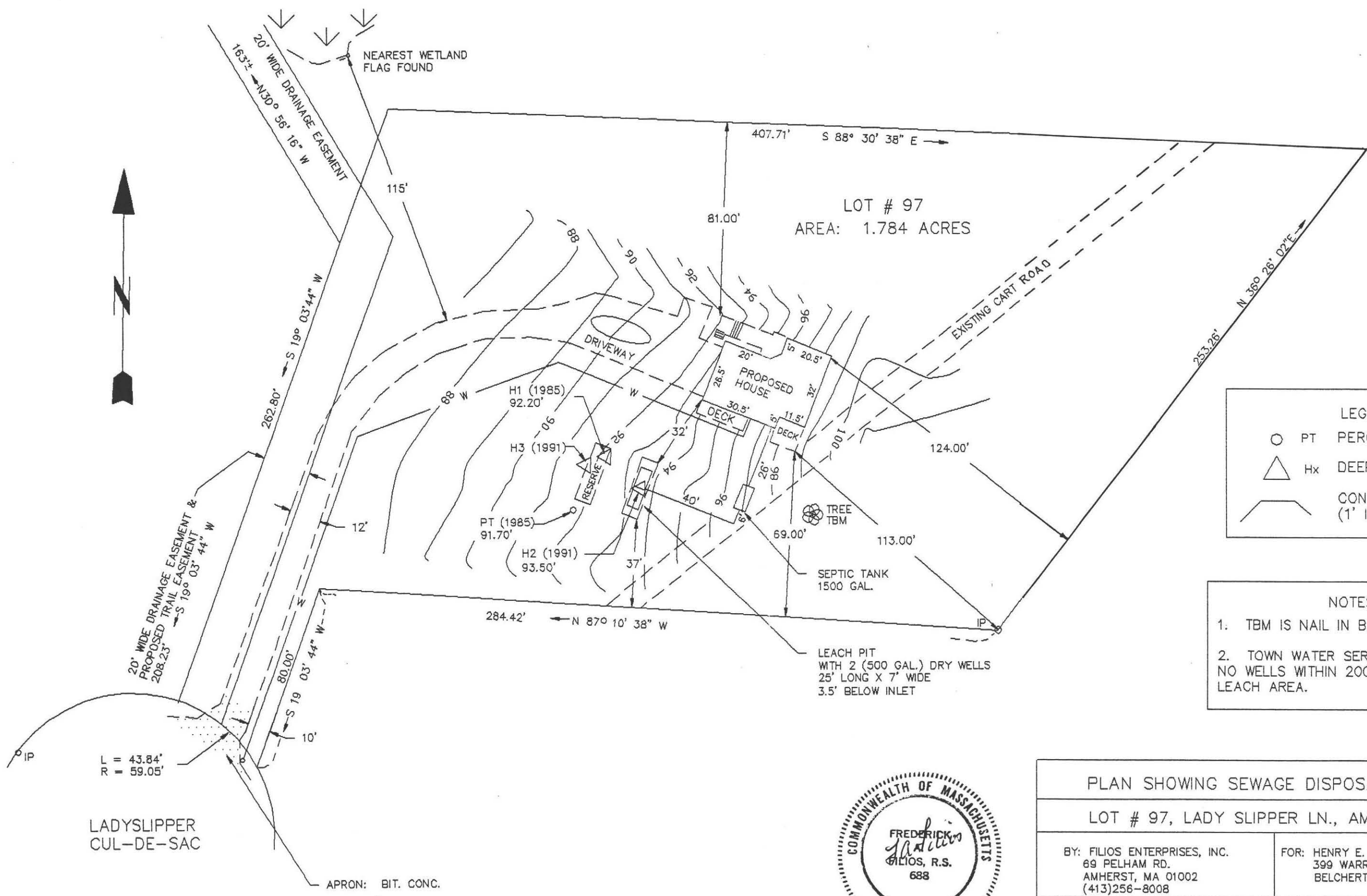


100' Elevation Assumed
at TBM. TBM is nail in
base of tree as
shown on planview.

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	
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DRAWN BY R. STOVER	SCALE: 1' = 10' HOR. 3' VER.
24 SEPTEMBER 1991	PAGE THREE OF THREE





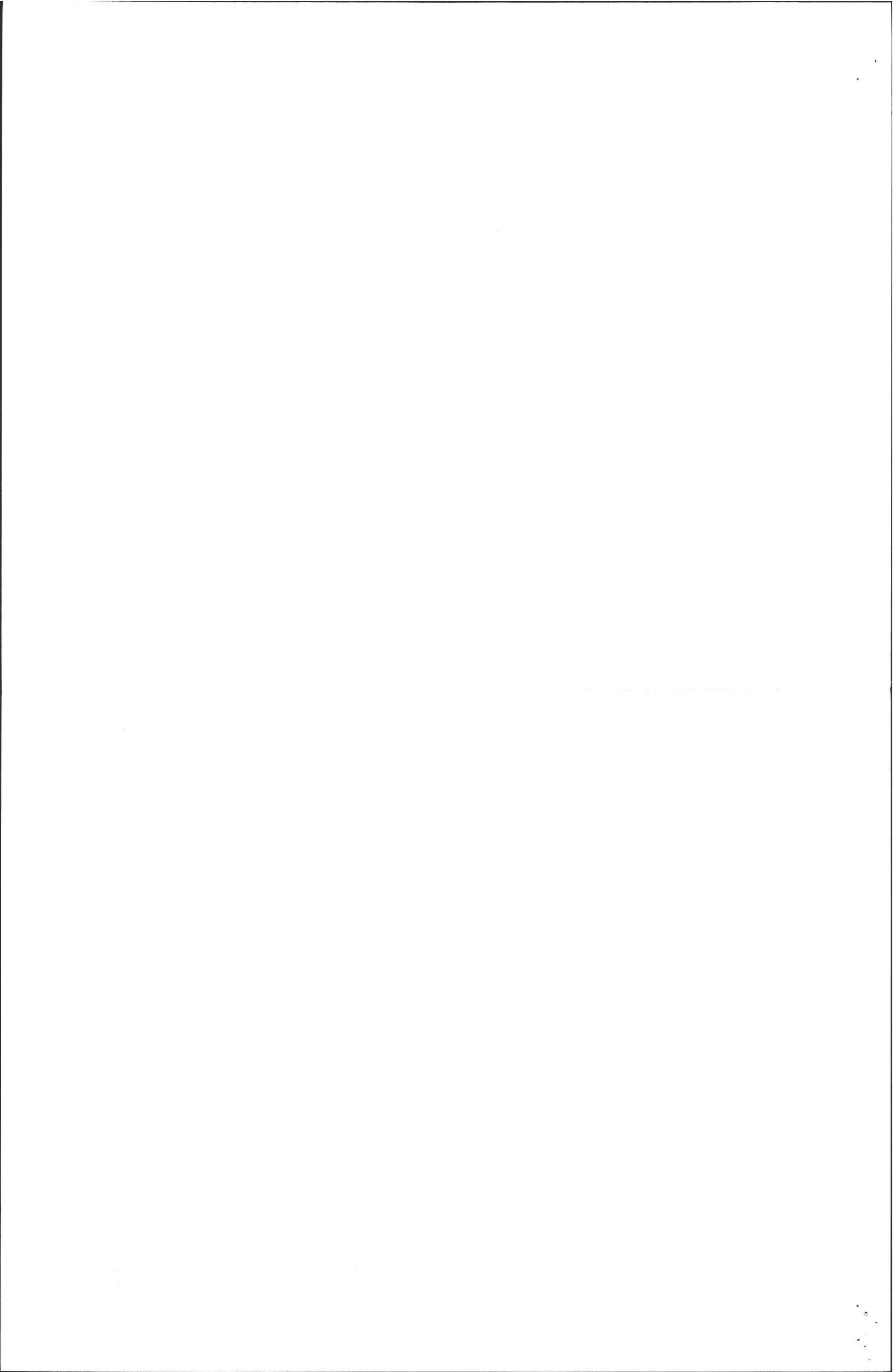
LEGEND	
○	PT PERCOLATION TEST
△	Hx DEEP TEST PIT
—	CONTOUR LINES (1' INTERVAL)

NOTES:

- TBM IS NAIL IN BASE OF TREE.
- 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



RECEIVED SEP 14 2000

Commonwealth of Massachusetts
AMHERST, Massachusetts

System Pumping Record

System Owner <i>D. Torrey</i>	System Location <i>14 Sady Slipper Ct.</i>
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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: *Leak's closed*

RECEIVED 7. 1. 18

Handwritten text, possibly a name or address, mostly illegible due to fading.

Handwritten text, possibly a date or short note, mostly illegible.

Handwritten text, possibly a name or address, mostly illegible.

Handwritten text, possibly initials or a signature, mostly illegible.

Handwritten text, possibly a name or address, mostly illegible.

Handwritten text, possibly a name or address, mostly illegible.