

#207

SEP 16 1991

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

Date: SEPTEMBER 6, 1991

Name: EDWARD FERRY
Address: 207 LEVERETT RD
AMHERST, MA. 01002

Dear MR. FERRY,

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

AT: ABOVE ADDRESS

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

Exceptions:

- ① THE ELEVATIONS AND GRADES OF THE AS-BUILT SEPTIC SYSTEM VARY FROM THOSE OF THE DESIGN TO THE EXTENT SHOWN IN RED ON THE COPY OF THE PROFILE ENCLOSED.

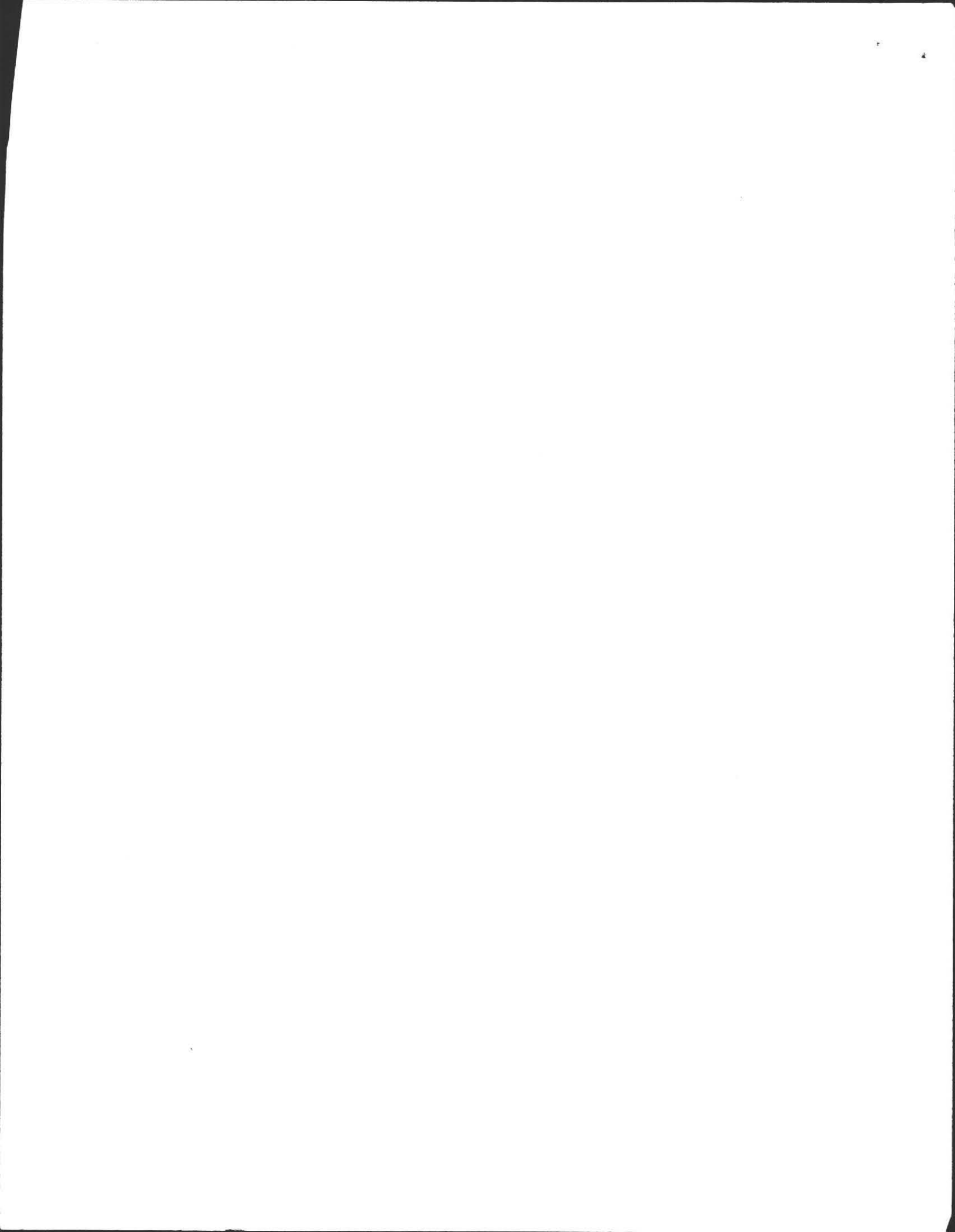
These exceptions do not represent violations of either Amherst regulations nor Mass. state environmental code Title 5; and should not interfere with the proper functioning of the installed system.

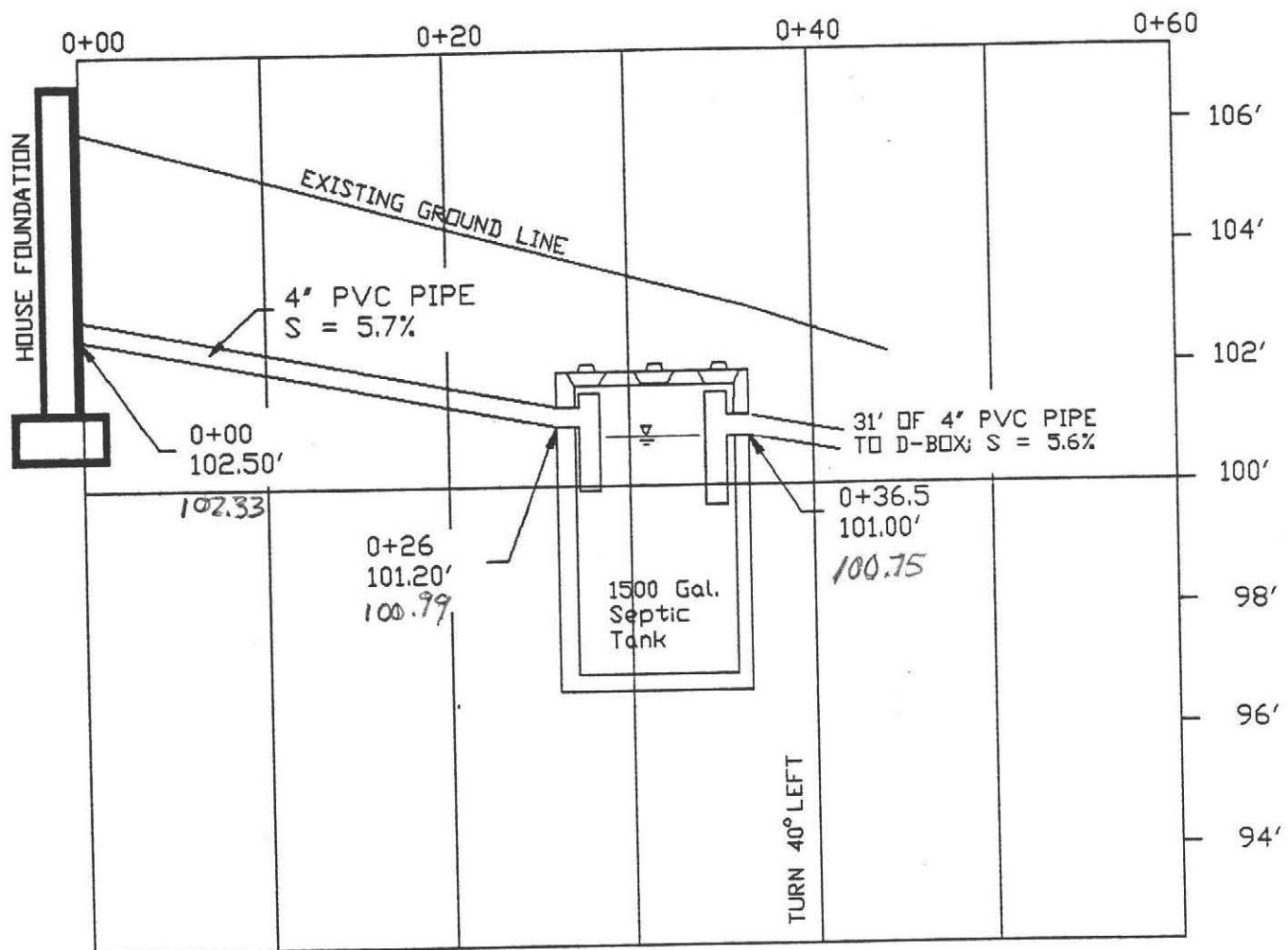
- ② NO PIPE INSTALLED BETWEEN HOUSE AND SEPTIC TANK.

Sincerely,

(Frederick A. Filios)

C.C. to Board of Health





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

Construction Notes

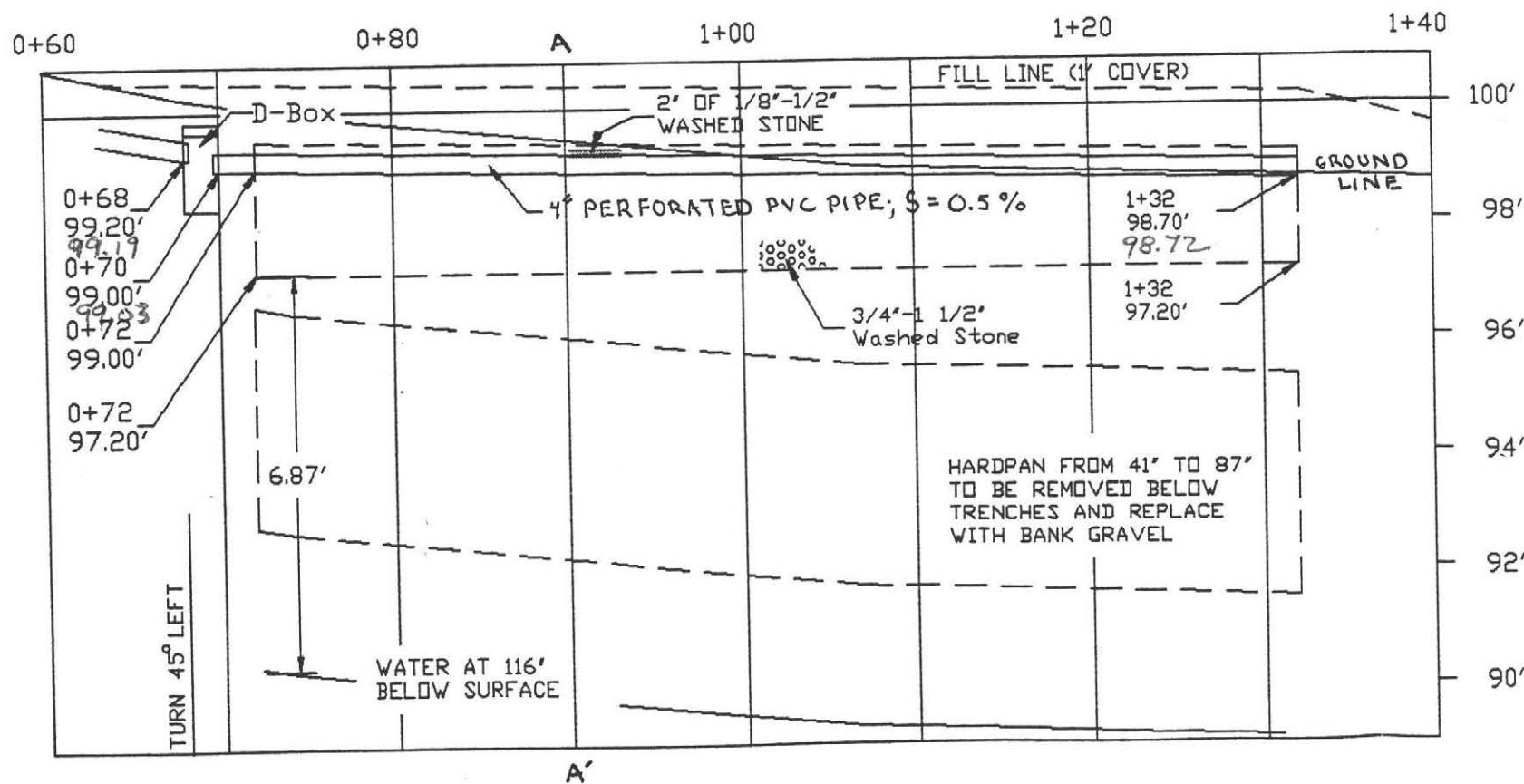
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2. Inlet and outlet tees must extend 14" and 24" below the flow line respectively.

Calculations

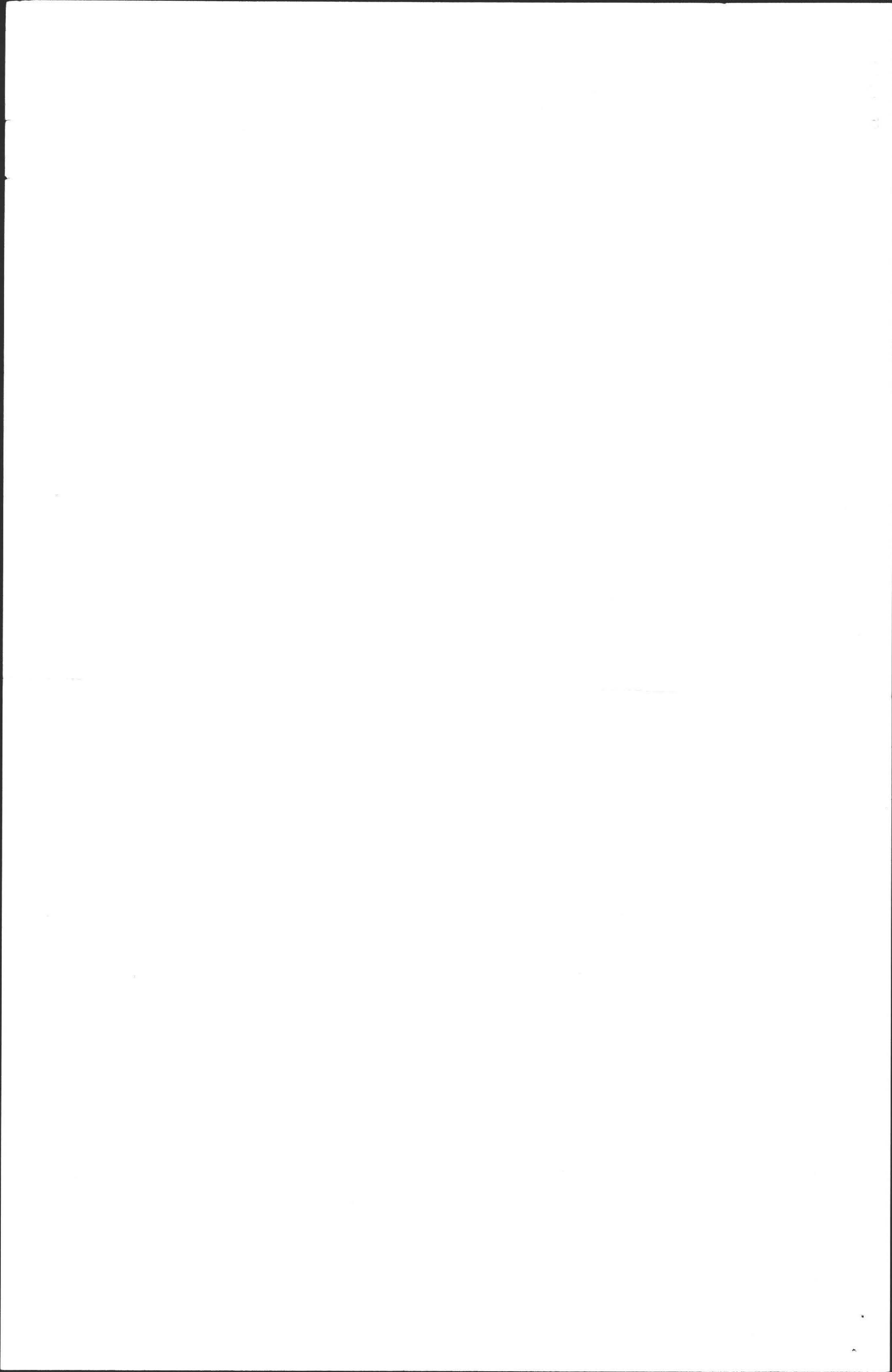
Required:
 FOR A 4 BEDROOM HOUSE WITH A GARBAGE GRINDER, A TOTAL CAPACITY OF 440 GAL./DAY X 1.5 (GARBAGE GRINDER) X 1.25 (AMHERST SAFETY FACTOR) = 825 GAL.

Designed:
 FIVE LEACH TRENCHES 60' LONG BY 2' WIDE BY 1.5' BELOW INLET (EFFECTIVE DEPTH). DESIGNED FOR A PERCOLATION RATE OF 15 MIN./IN. AND SIDE AND BOTTOM LOADING FACTORS OF 0.66 AND 0.43 GAL./SQ.FT. RESPECTIVELY.

Sidewall: 10 SIDES (60' X 1.5') 0.66 GAL./SQ.FT.	= 594 GAL.
Bottom: 5 BOTTOMS (60' X 2') 0.43 GAL./SQ.FT.	= 258 GAL.
Total:	852 GAL.



PROFILE OF SEWAGE DISPOSAL SYSTEM	
AT: 207 LEVERETT RD., AMHERST, MA	
BY: FILIOS ENTERPRISES, INC. 69 PELHAM RD. AMHERST MA 01002 (413)256-8008	FOR: EDWARD FERRY 207 LEVERETT ROAD AMHERST, MA 01002
DRAWN BY: P. FILIOS	SCALE: 1" = 10' HOR. 3" VER.
REV. 1, 14 AUG, 1991	PAGE 3 OF 4



No. 91-12 Revised

5/15/91. / ck. Pd 2589
Pd. 30 REVISION
Fred Filios 3273
\$ 30.00
ED. Ferry Pd
160.00.

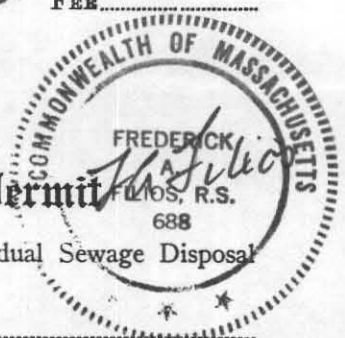
FEE

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 (X) an Individual Sewage Disposal System at:

207 Leverett Rd
Location - Address
Edward Ferry
Owner
207 Leverett Rd
or Lot No.
Address

Installer
Address
Type of Building
Size Lot 12.199 Acres Sq. feet
Dwelling - No. of Bedrooms 4 Expansion Attic () Garbage Grinder (X)
Other - Type of Building No. of persons Showers () - Cafeteria ()
Other fixtures

Design Flow 55 x 1.5 gallons per person per day. Total daily flow 660 gallons.
Septic Tank - Liquid capacity gallons Length Width Diameter Depth
Disposal Trench - No. 5 Width 2 Total Length 300 Total leaching area 900 sq. ft. Sides
Seepage Pit No. Diameter Depth below inlet Total leaching area 600 sq. ft. Bottom

Other Distribution box (X) Dosing tank ()
Percolation Test Results Performed by Filios Enterprises Inc Date June 27, 1991
Test Pit No. 1 7.3 minutes per inch Depth of Test Pit 10' Depth to ground water 116"
Test Pit No. 2 minutes per inch Depth of Test Pit Depth to ground water

Description of Soil See attached sheet

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 Edward M. Ferry 8/19/91 X
Application Approved By David Zagorski for Amherst 8/19/91
Application Disapproved for the following reasons:

Permit No. 91-12 Revised Issued 8/19/91 Date

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

TOWN OF Amherst

Certificate of Compliance

Checked OK
9/5/91
Folios

THIS IS TO CERTIFY, That the Individual Sewage Disposal System constructed () or Repaired (X) by 207 Leverett Road Installer

at 207 Leverett Road 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. 91-12 Revised dated

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

DATE 9/5/91 Inspector David Zagorski

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

TOWN OF Amherst

ED Ferry 160 Pd
Fred Filios 300
FEE
revised

No. 91-12 Revised Disposal Works Construction Permit

Permission is hereby granted EDWARD FERRY to Construct () or Repair (X) an Individual Sewage Disposal System at No. 207 Leverett Road Street

as shown on the application for Disposal Works Construction Permit No. 91-12 Rev. Dated 8/19/91

DATE 8/19/91 Board of Health

CHECK OR FILL IN WHERE APPLICABLE

11-12 1944

[The remainder of the page contains extremely faint and illegible handwriting, likely bleed-through from the reverse side of the document.]

8/13/91
#91-12
DISAPPROVED

TOWN OF AMHERST

CH - Pd 2589
ED - Ferry
100

PERC TEST DATA SHEET

DATE 6/29/91 LOCATION 207 Leverett Rd. LOT SIZE 10 ¹/_A

OWNER Edward Ferry ADDRESS 207 Leverett Rd TELE # 549-3845

P.E./RS Fred Filios FIRM Filios ENT. OBSERVED BY D. Zarrach

BACK HOE OPERATOR Mark's TELE _____ BENCH MARK _____

PERC DEPTH ^① 81" PRE SOAK TIME 9:07 - PERC DEPTH ^② 38" PRE SOAK TIME 10:20

TEST	<u>9:43 12" ①</u>	<u>③ 10:36 12"</u>	<u>8" 10:48⁰³</u>	
	<u>10:08 11"</u>	<u>10:38²¹ 11"</u>	<u>7" 10:52¹⁹</u>	<u>#3</u>
	<u>10:33 10"</u>	<u>10:41¹⁸ 10"</u>	<u>6 10:57¹⁰</u>	<u>RATE</u>
	<u>11:08 9" ③⑤</u>	<u>10:44²⁸ 9"</u>	<u>⑧</u>	<u>⑧</u>

Failed

RATE _____ RATE _____

4 Bedrooms (well)

TOP 9"
SUB 23"
Sandy glacial Till - gravel 41"
Hard Pan 87"
Firm Sandy Till 9'

TOP
SUB

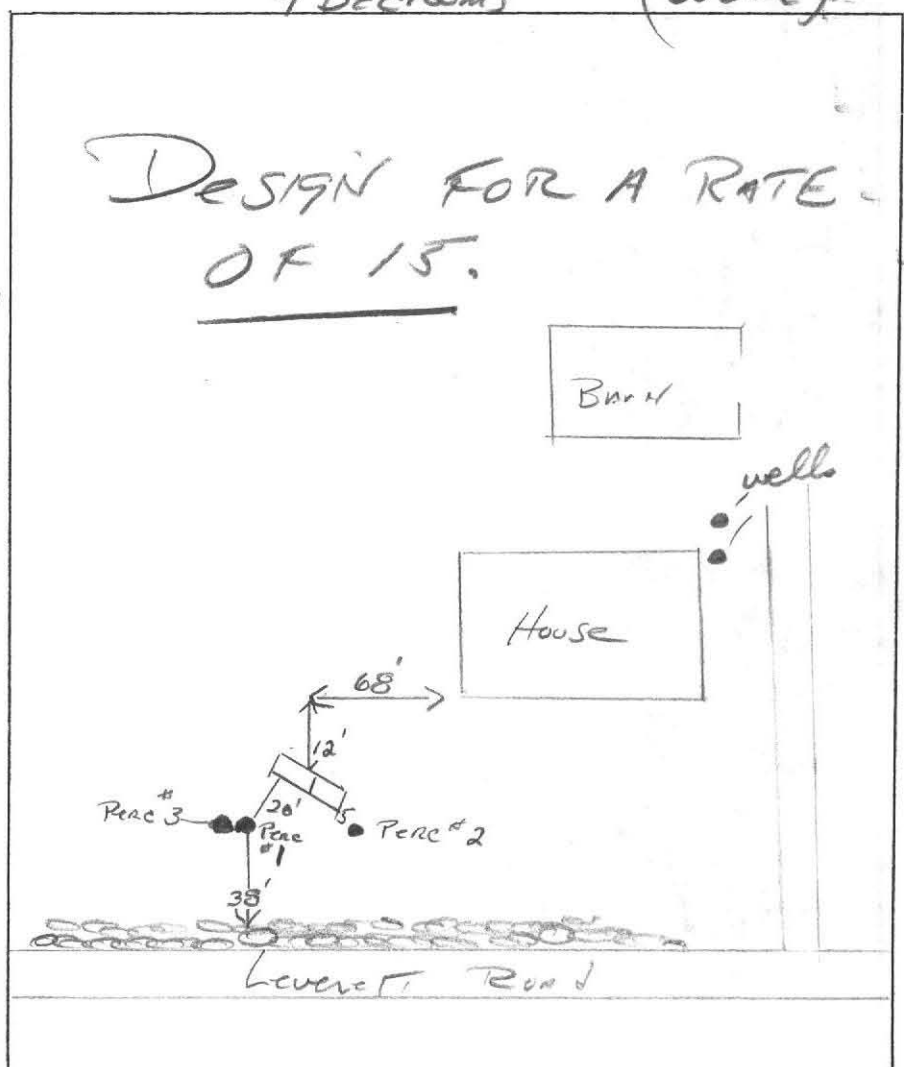
Completed 10' WATER AT 116"

TOP
SUB

TOP
SUB

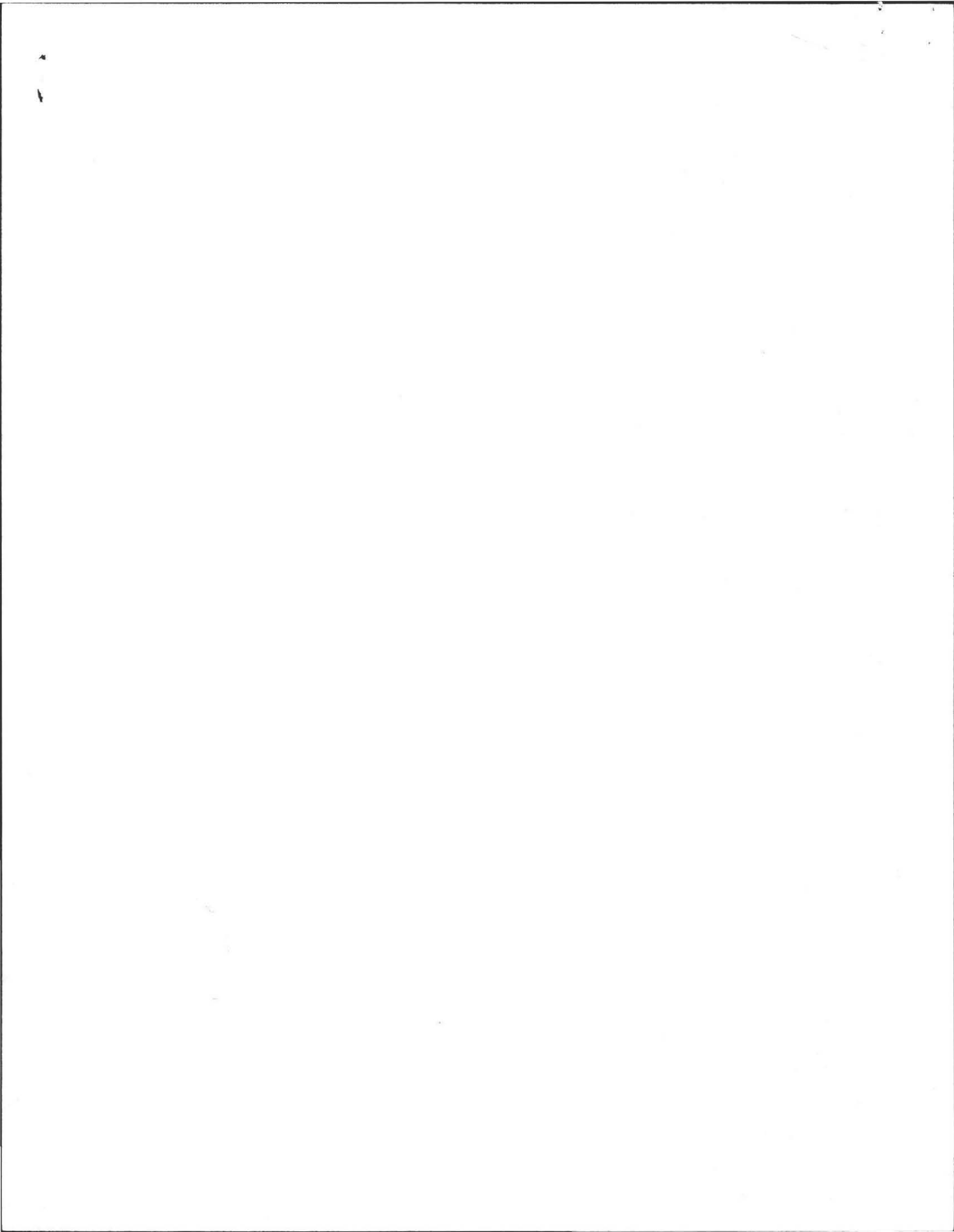
TOP
SUB

TOP
SUB



EHI:PERCFORM

Perce Test #3	D.O.P. 48"	9 12:12	6"
SOAK - 11:30	12" 11:45	8 12:19	12:34
11:45	11 11:53	7 12:27	
	10 12:03		RATE ⑧





Percolation Test Report and Deep Soil Log

FILIOS ENTERPRISES

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

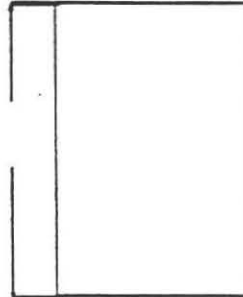
Owner: EDWARD FERRY Date: JUNE 27, 1991
 Location: 207 LEVERETT RD. B. of H. DAVE ZAROZINSKI
AMHERST, MA.

DEEP HOLE 1

10'	0"-9"	TOPSOIL
	9"-23"	SUBSOIL
	23"-41"	SANDY GLACIAL TILL WITH GRAVEL
	41"-87"	HARDPAN, HARD TO COMPACT, SANDY TILL
	87"-9'	FIRM SANDY TILL
	9'-10'	HARD CEMENTED GLACIAL TILL

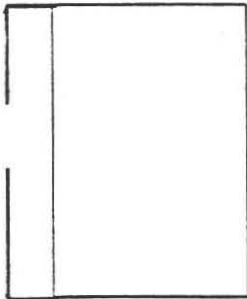
Ground Water AT 116"

DEEP HOLE 2



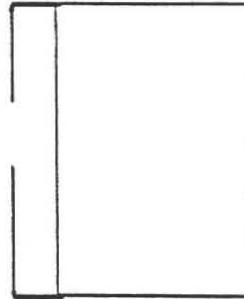
Ground Water _____

DEEP HOLE 3



Ground Water _____

DEEP HOLE 4



Ground Water _____

PERC TEST #1 - ABANDONED

PERC TEST #2

COMENTS: HARDPAN TO BE

DEPTH OF PERC 38"

REMOVED. DESIGN SYSTEM

PERC RATE: 4.3 MIN./IN.

USING A RATE OF 15 MIN/IN.

PERC TEST #3

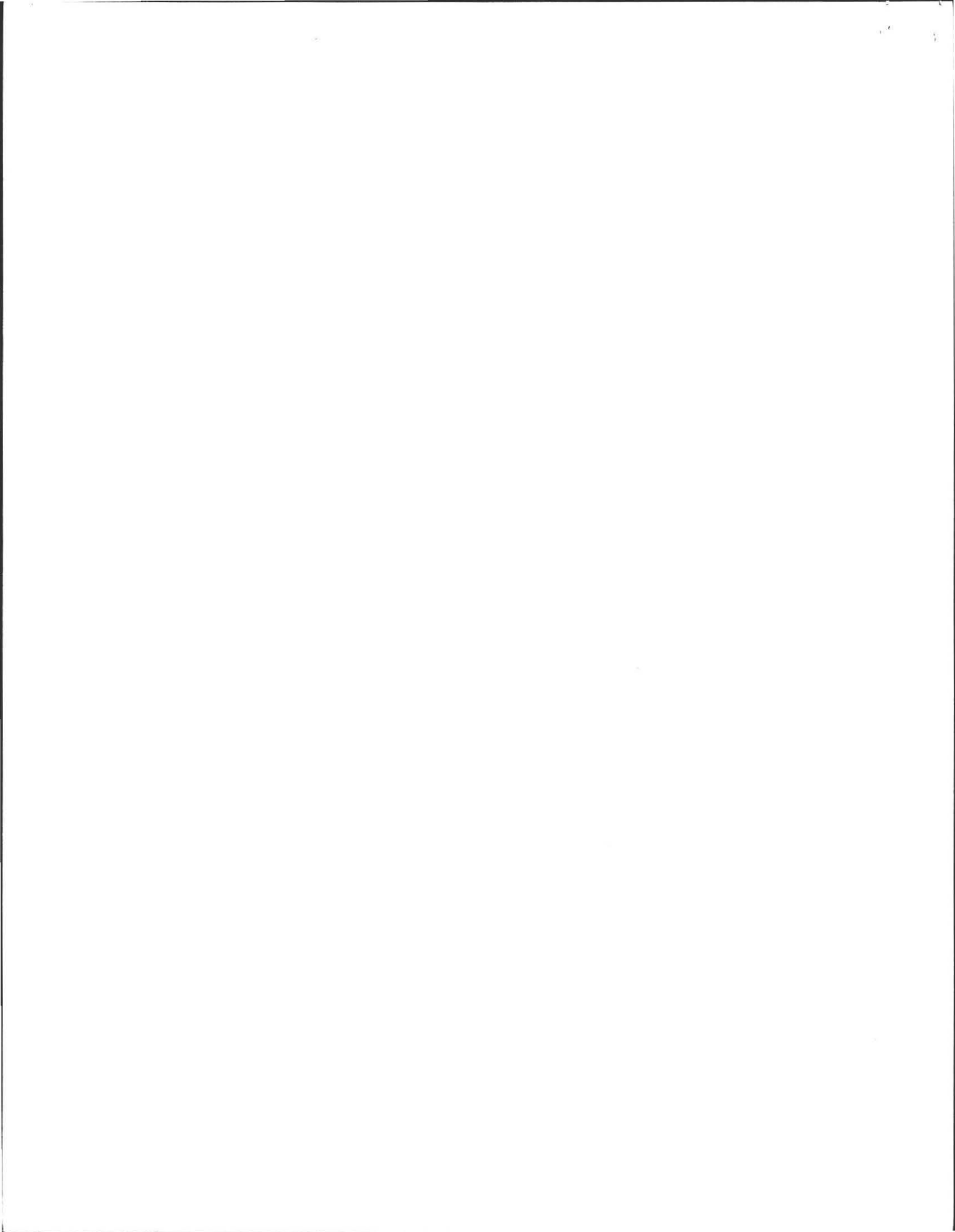
KEEP SYSTEM HIGH AND

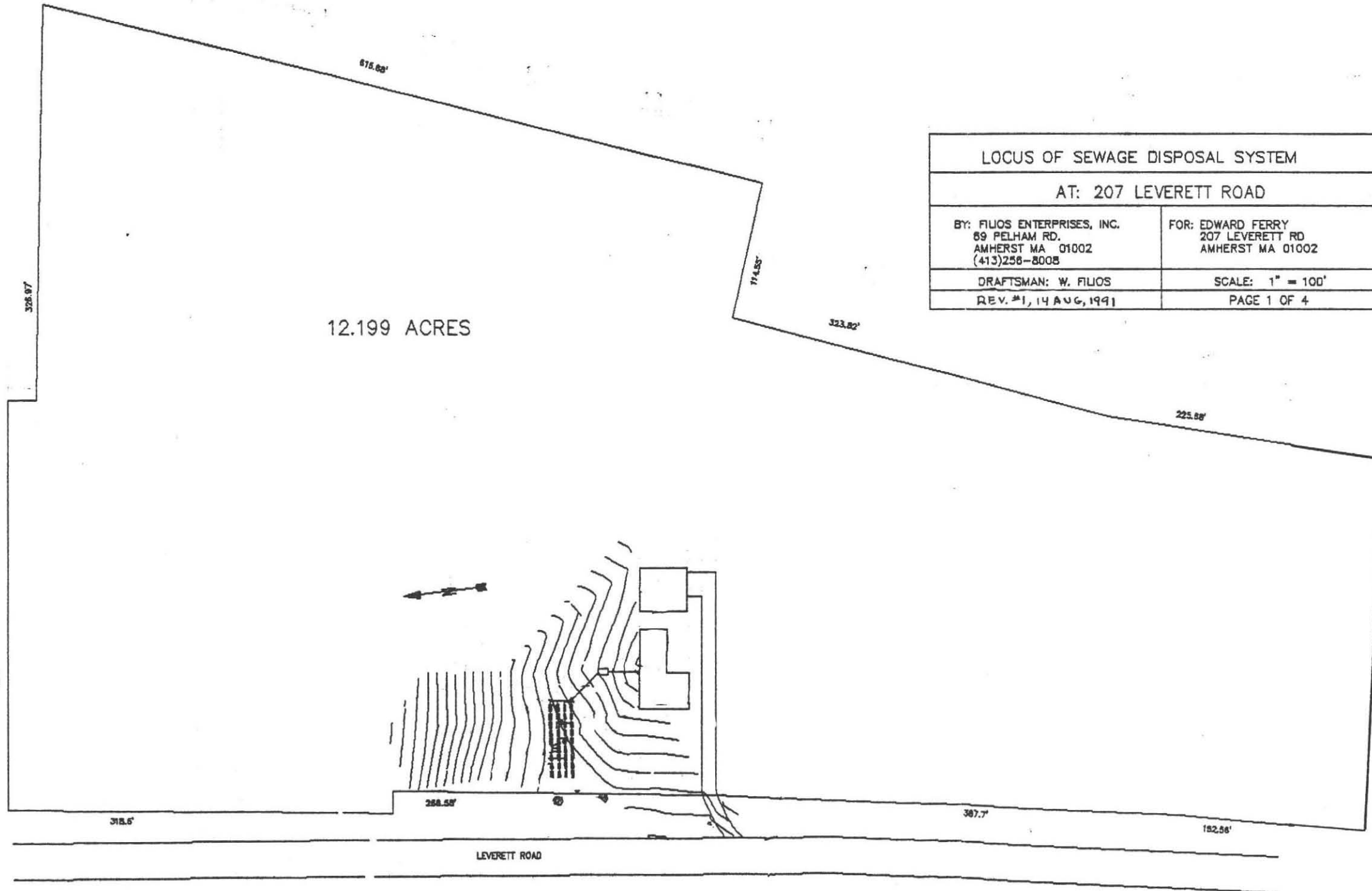
DEPTH OF PERC: 48"

TOWARD THE HOUSE.

PERC RATE: 7.3 MIN./IN.

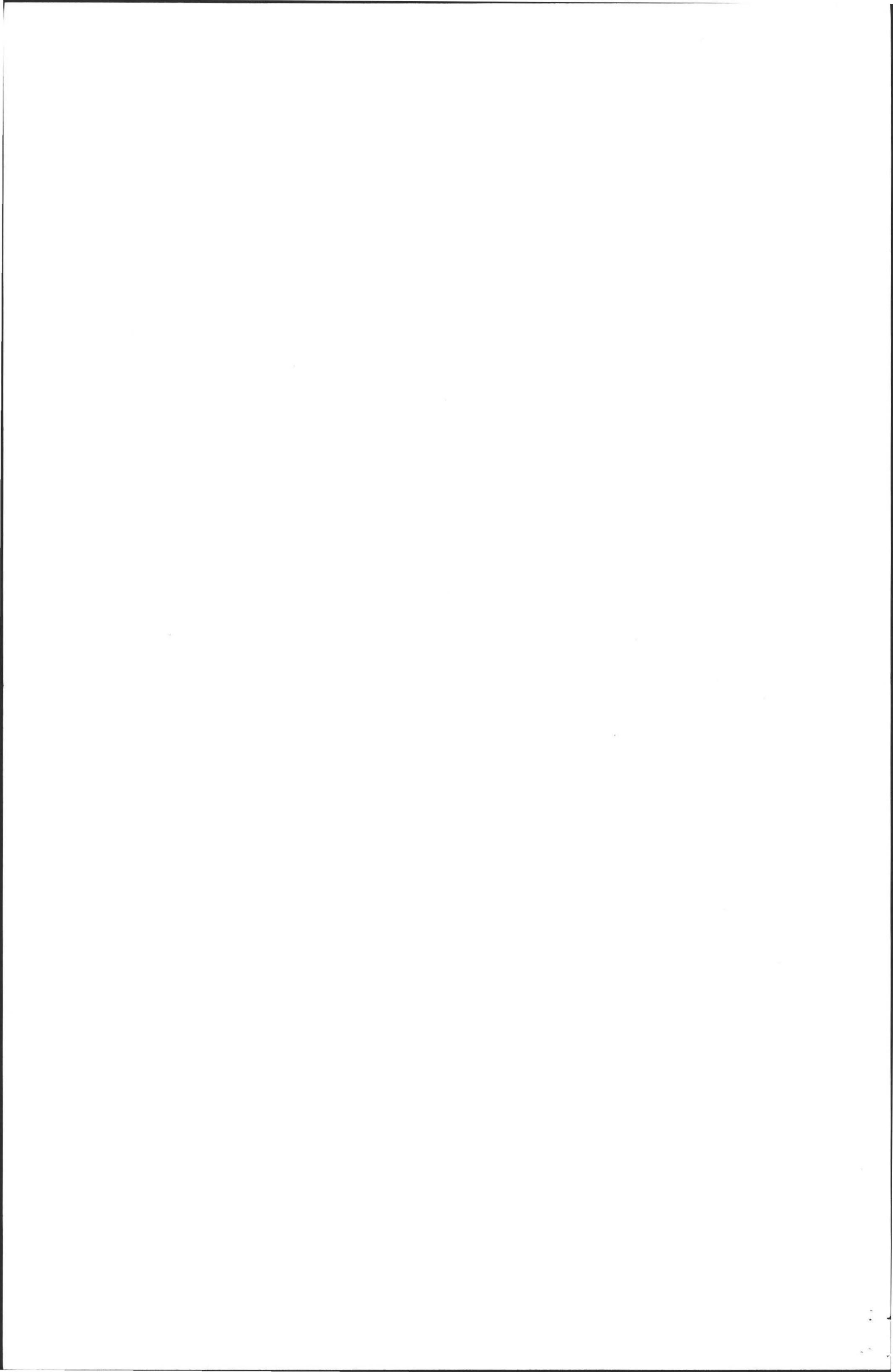
Aug 19, 91
 RATE IS
 8
 MIN.
 EJ





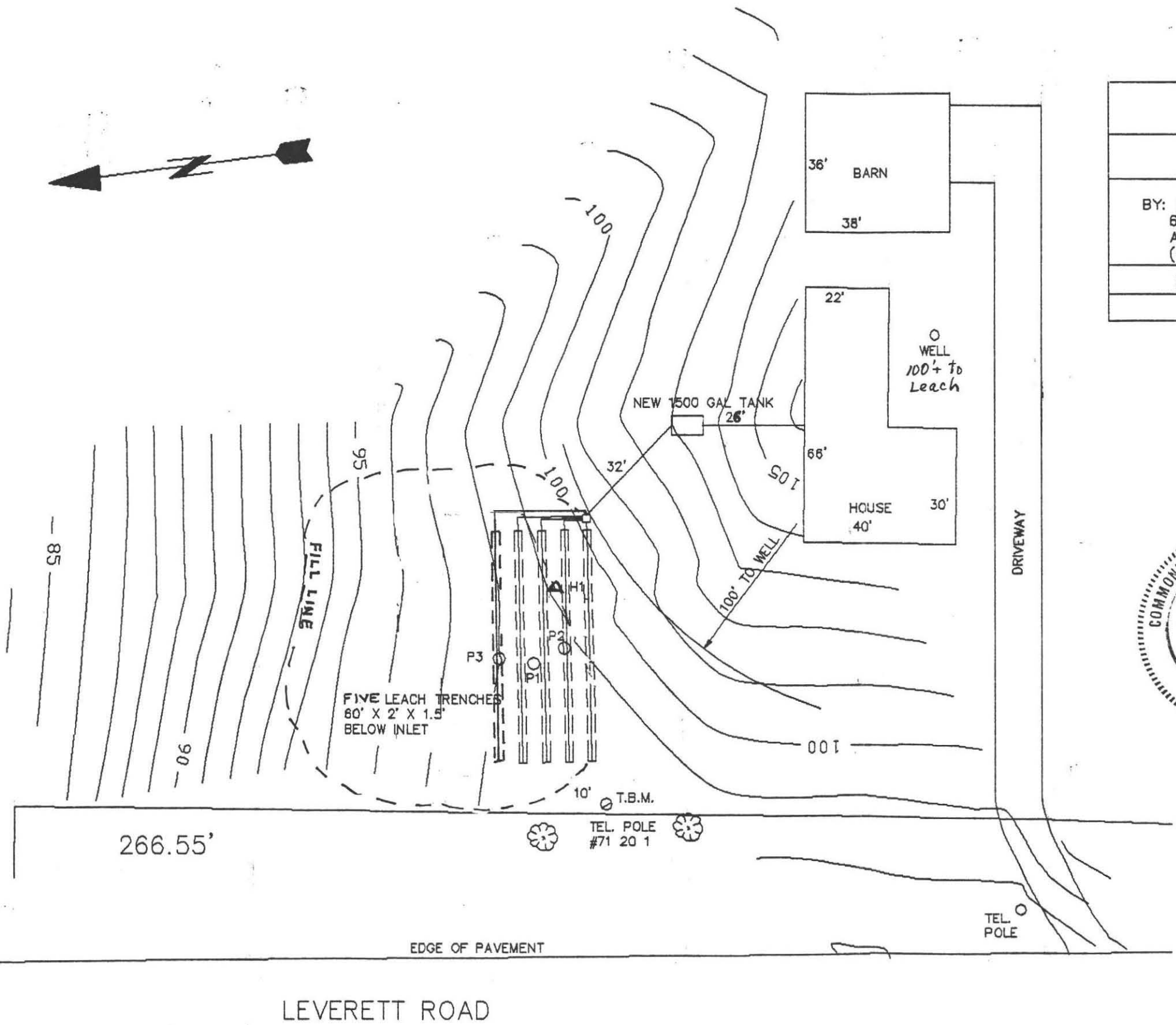
12.199 ACRES

LOCUS OF SEWAGE DISPOSAL SYSTEM	
AT: 207 LEVERETT ROAD	
BY: FILIOS ENTERPRISES, INC. 69 PELHAM RD. AMHERST MA 01002 (413)258-8008	FOR: EDWARD FERRY 207 LEVERETT RD AMHERST MA 01002
DRAFTSMAN: W. FILIOS	SCALE: 1" = 100'
REV. #1, 14 AUG, 1991	PAGE 1 OF 4





PLAN OF SEWAGE DISPOSAL SYSTEM	
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DRAFTSMAN: W. FILIOS	SCALE: 1" = 30'
DATE: REV. # 1-1991	PAGE 2 OF 4

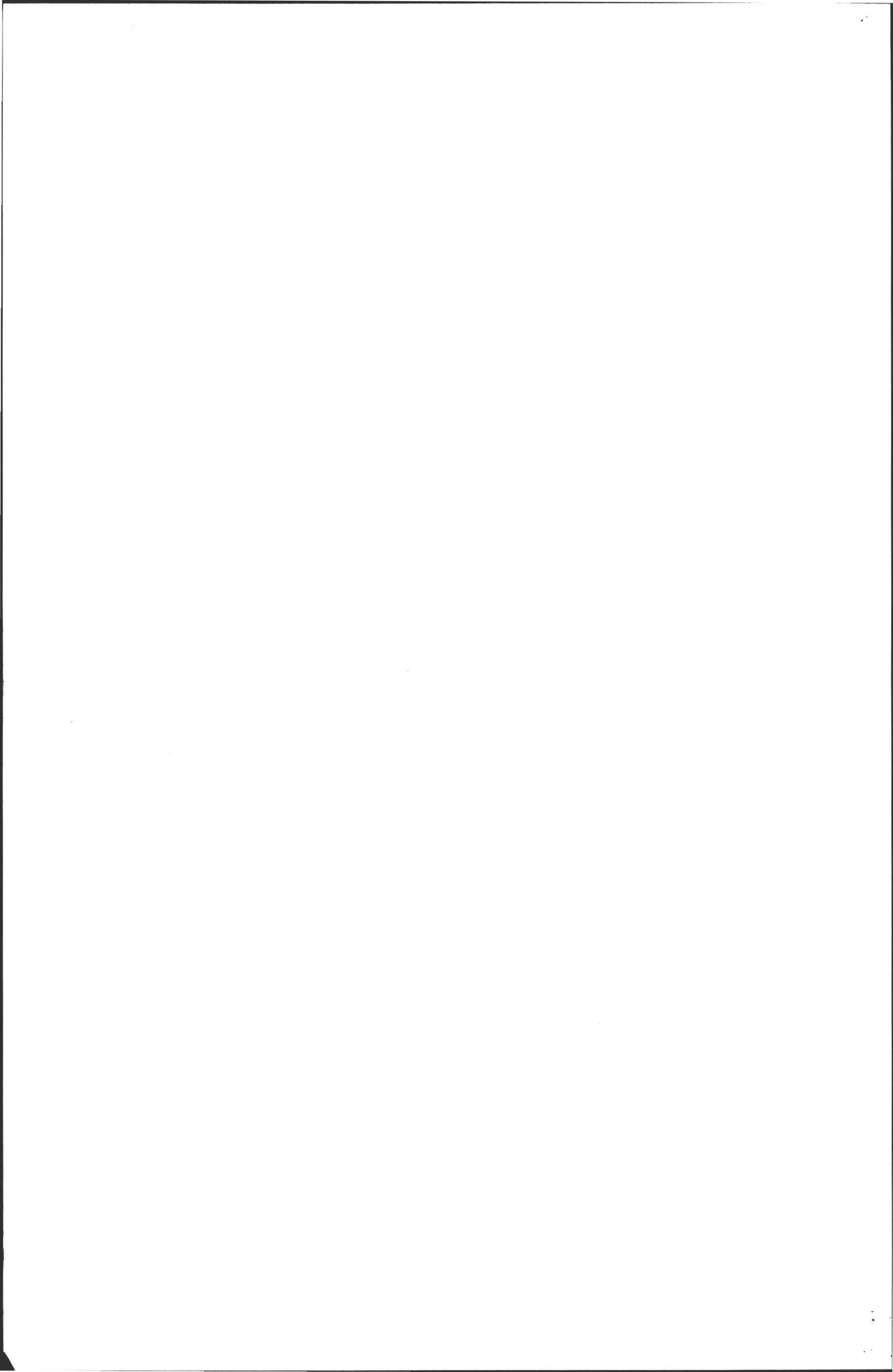


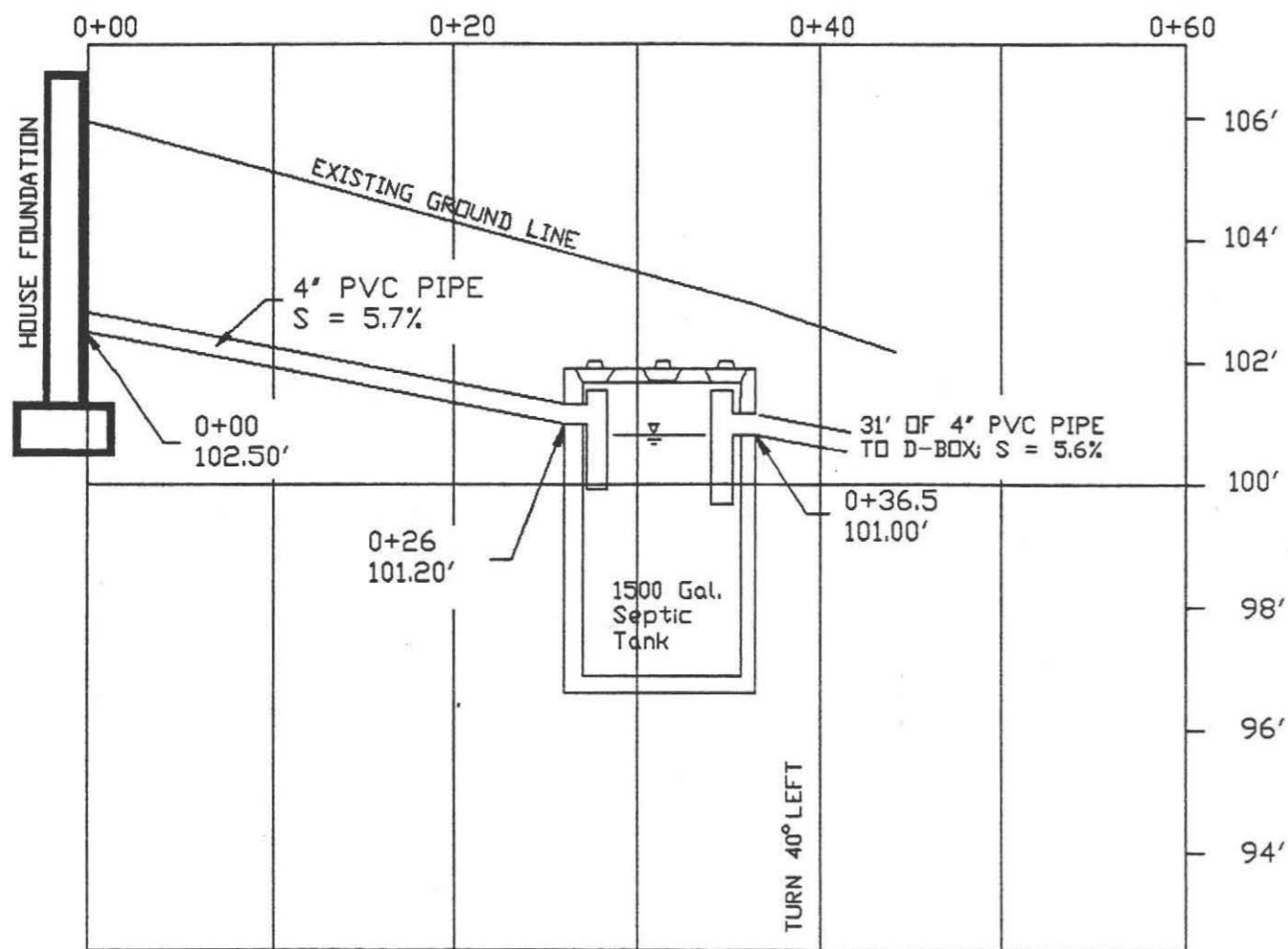
- NOTES:
1. T.B.M. IS NAIL IN TEL. POLE
 2. NO OTHER WELLS WITHIN 200' OF THE LEACH AREA AT THE TIME OF SURVEY.



LEGEND

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





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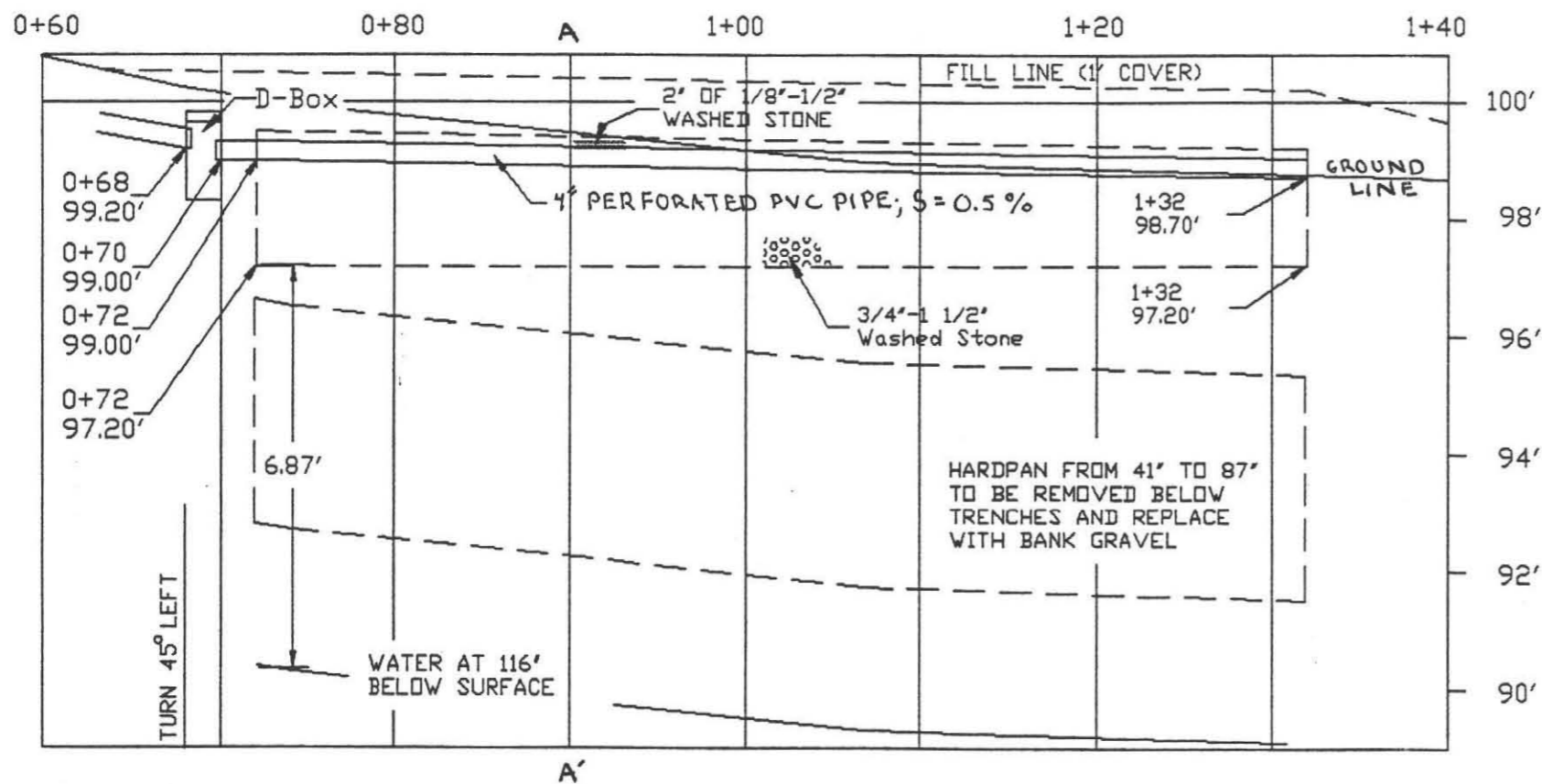
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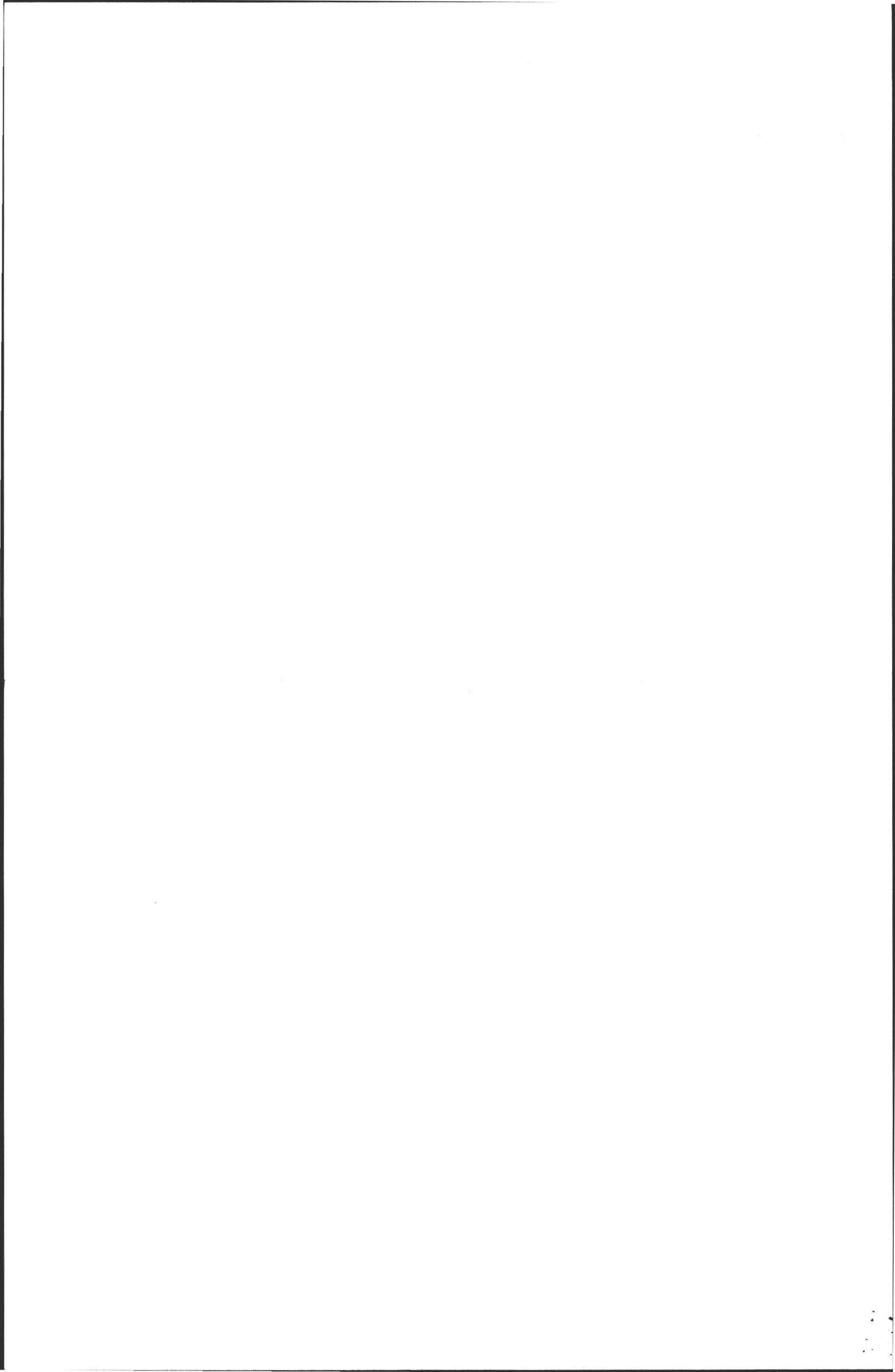
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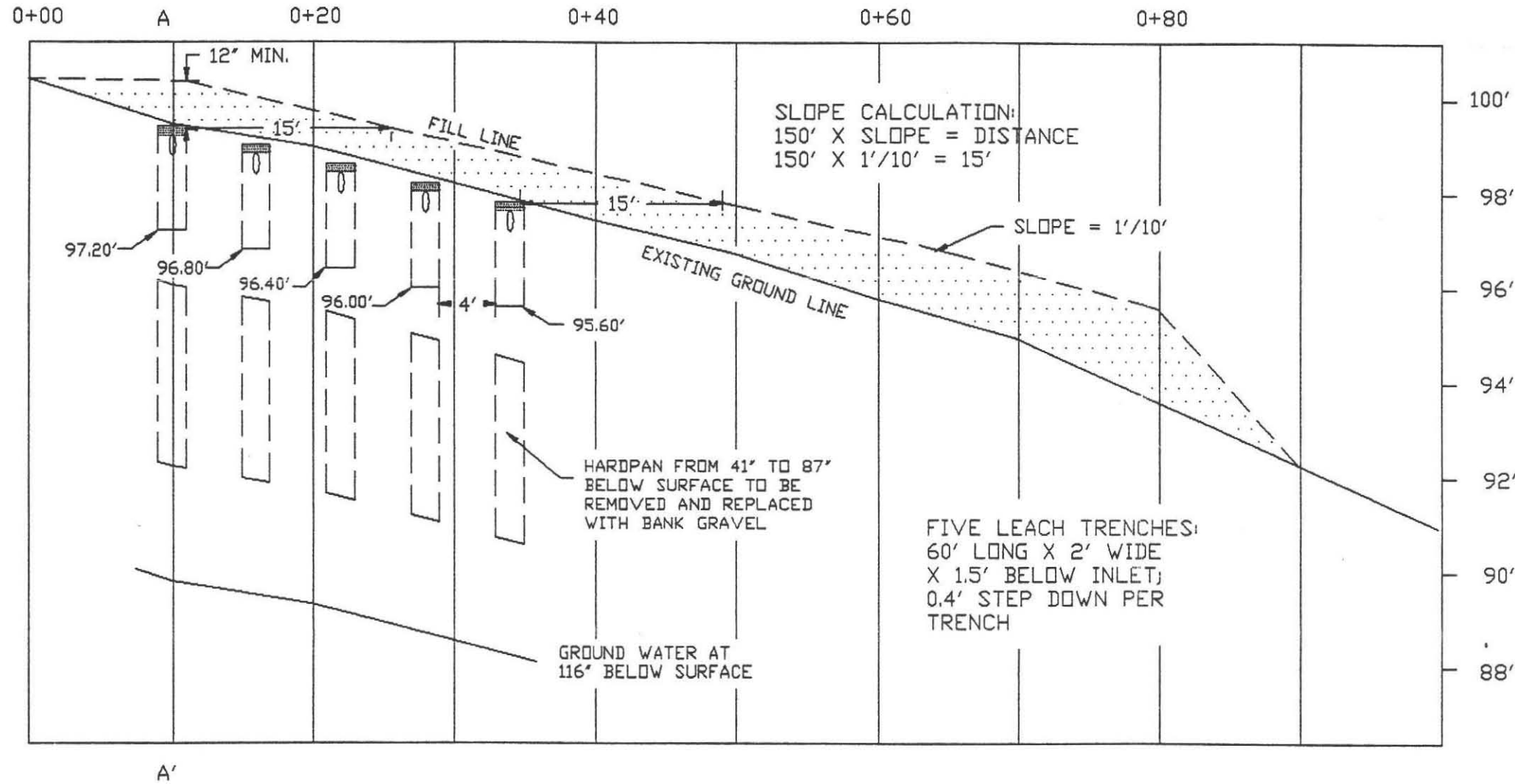
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REV. 1, 14 AUG, 1991	PAGE 3 OF 4



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



100' Elevation Assumed at TBM. TBM is nail in base of 14" Beech as shown on Plan view.

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