

#310

JUN 19 1989

CK # 1086

No. 89-12
REPAIR

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:

310 MONTAGUE RD LOT 21
ROBERT PATTERSON Location - Address or Lot No.
340 MONTAGUE RD Address
Owner Address
Installer Address

Type of Building Size Lot 40,810 Sq. feet ±
Dwelling — No. of Bedrooms 5 Expansion Attic (→) Garbage Grinder (NO)
Other — Type of Building — No. of persons — Showers (→) — Cafeteria (→)
Other fixtures —

Design Flow 55 gallons per person per day. Total daily flow 1.25 x 550 = 687.5 gallons.
Septic Tank — Liquid capacity 1000 gallons Length 8.5' Width 5' Diameter — Depth 5.3'
Disposal Trench — No. — Width 12.4' Total Length 25' Total leaching area 105.00 sq. ft. SIDES
Seepage Pit No. 1 Diameter — Depth below inlet 2.1' Total leaching area 52.08 sq. ft. ENDS
Other Distribution box (→) Dosing tank (→) 310.00 EXT.
Percolation Test Results Performed by FILIOS ENTERPRISES, INC Date MAY 16, 1989
Test Pit No. 1 2 minutes per inch Depth of Test Pit 11 1/2' Depth to ground water 10 1/2'
Test Pit No. 2 minutes per inch Depth of Test Pit Depth to ground water

Description of Soil SEE PROFILE AND CROSS SECTION

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 Robert Patterson 6/19/89
Date

Application Approved By _____ Date _____

Application Disapproved for the following reasons: _____ Date _____

Permit No. 89-12 Issued _____ Date _____

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

TOWN OF AMHERST

Certificate of Compliance

Check to reasonable compliance Filios
June 30 1989

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

at 310 MONTAGUE ROAD Installer

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. 89-12 dated _____

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

DATE 6/30/89 Inspector David Zappala

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

TOWN OF AMHERST

CK # 1086

No. 89-12

REPAIR Disposal Works Construction Permit

Permission is hereby granted ROBERT PATTERSON to Construct () or Repair (✓) an Individual Sewage Disposal System at No. 310 MONTAGUE RD.

as shown on the application for Disposal Works Construction Permit No. 89-12 Dated _____

DATE 6/26/89 David Zappala for Amherst Board of Health

CHECK OR FILL IN WHERE APPLICABLE

5/12/11
1544

TOWN

AMHERST

310 MONTAGUE RD
ROBERT BATESON



SEE PARCEL AND LEGAL SECTION

TOWN

AMHERST

310 MONTAGUE RD

TOWN

AMHERST

310 MONTAGUE RD
ROBERT BATESON

5/12/11
1544

REPAIR
P.K.C.

TITLE V FEES

Owner: Robert Patterson

Site: 310 Montague Rd

Percolation Test: _____ Per Lot

1 _____

Date: 5/16/89 *Per ch 1068*

Date: _____

Date: _____

Date: _____

Date: _____

Disposal Works Construction Permit

Plan Review

*CK 1086
60%*

Date 6/14/88

Final Inspection

Date _____

Subsequent Plan Review

Date _____

Date _____

Date _____

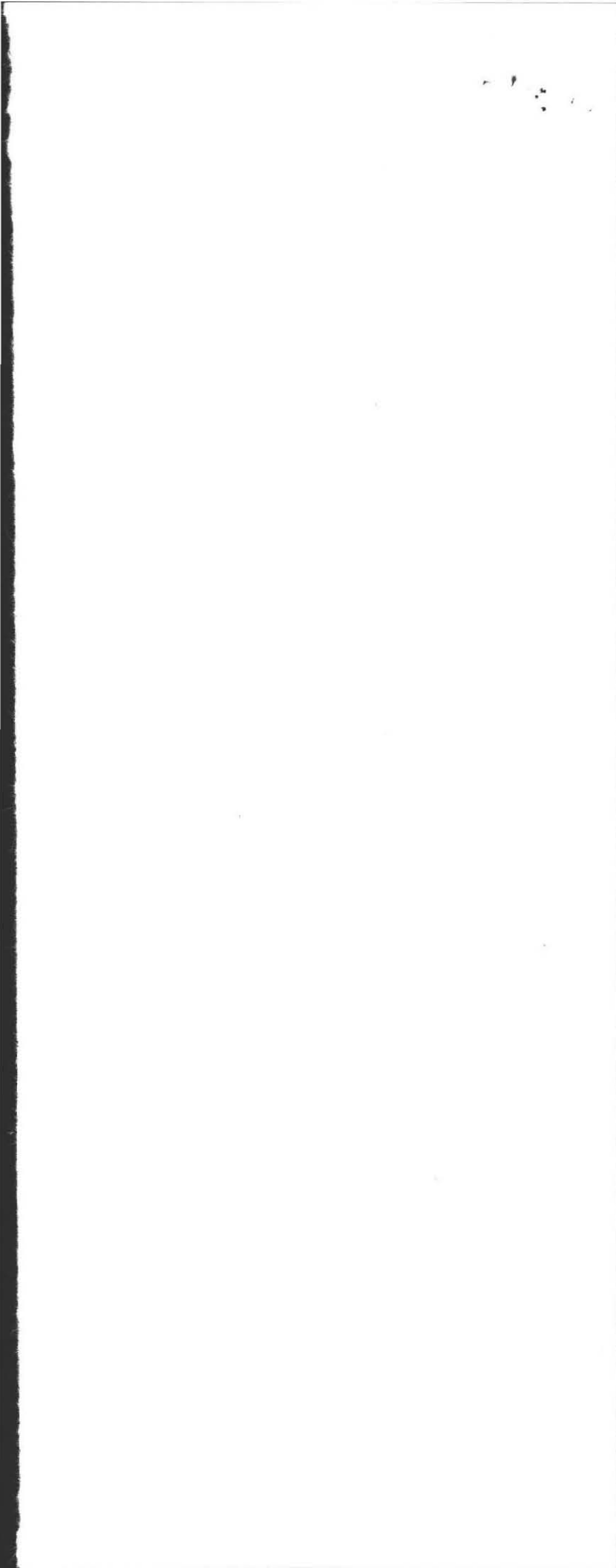
Reinspection of Installation

Date _____

Date _____

Date _____

EH: 89 15 01



REPAIR Pipe

TOWN OF AMHERST

PERC TEST DATA SHEET

PD 100
R. PATTISON
CR 1068

DATE MAY 16 89 LOCATION 310 MONTAGUE ROAD LOT SIZE R. PATTISON

OWNER Robert Pattison ADDRESS MONTAGUE ROAD TELE #

P.E./RS Fred Filios FIRM FILIOS ENGR. OBSERVED BY David Zarnasch

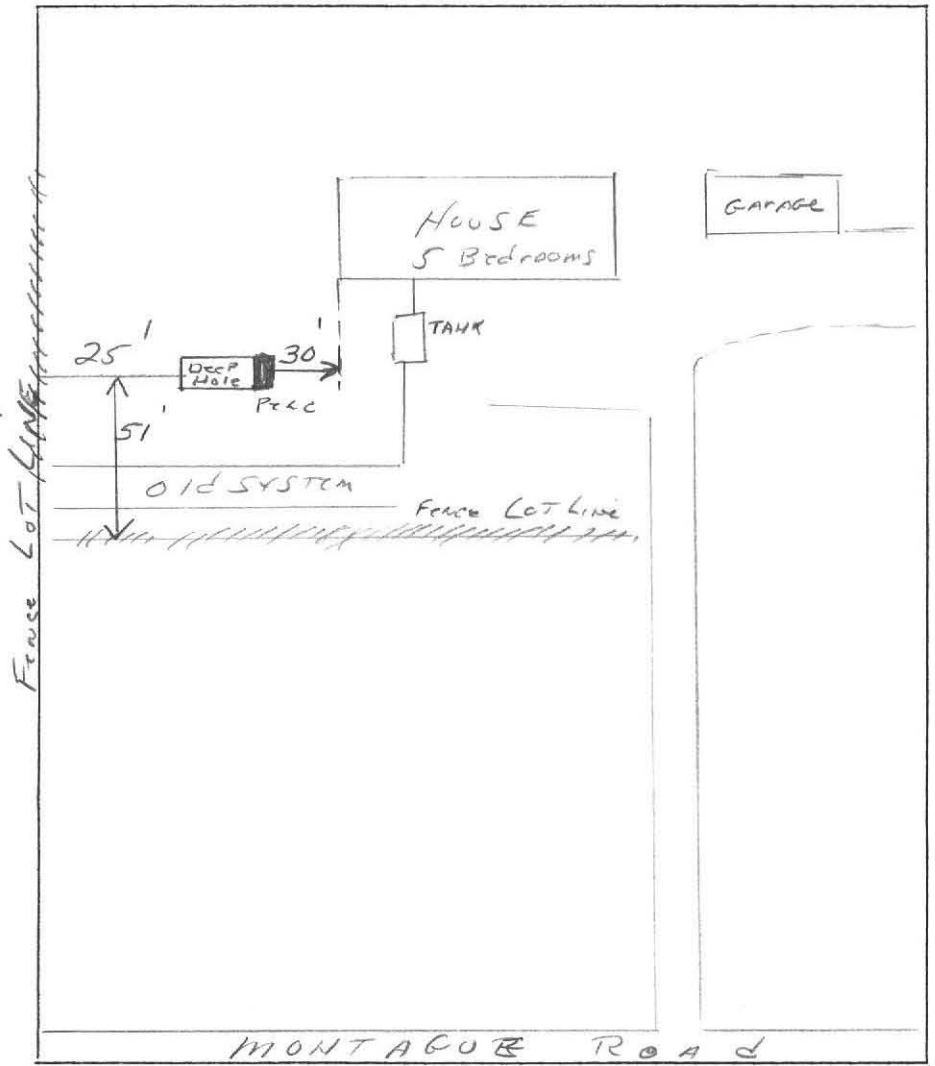
BACK HOE OPERATOR River Drive BENCH MARK

PERC DEPTH 57 PRE SOAK TIME 9:14 9:29 PERC DEPTH PRE SOAK TIME

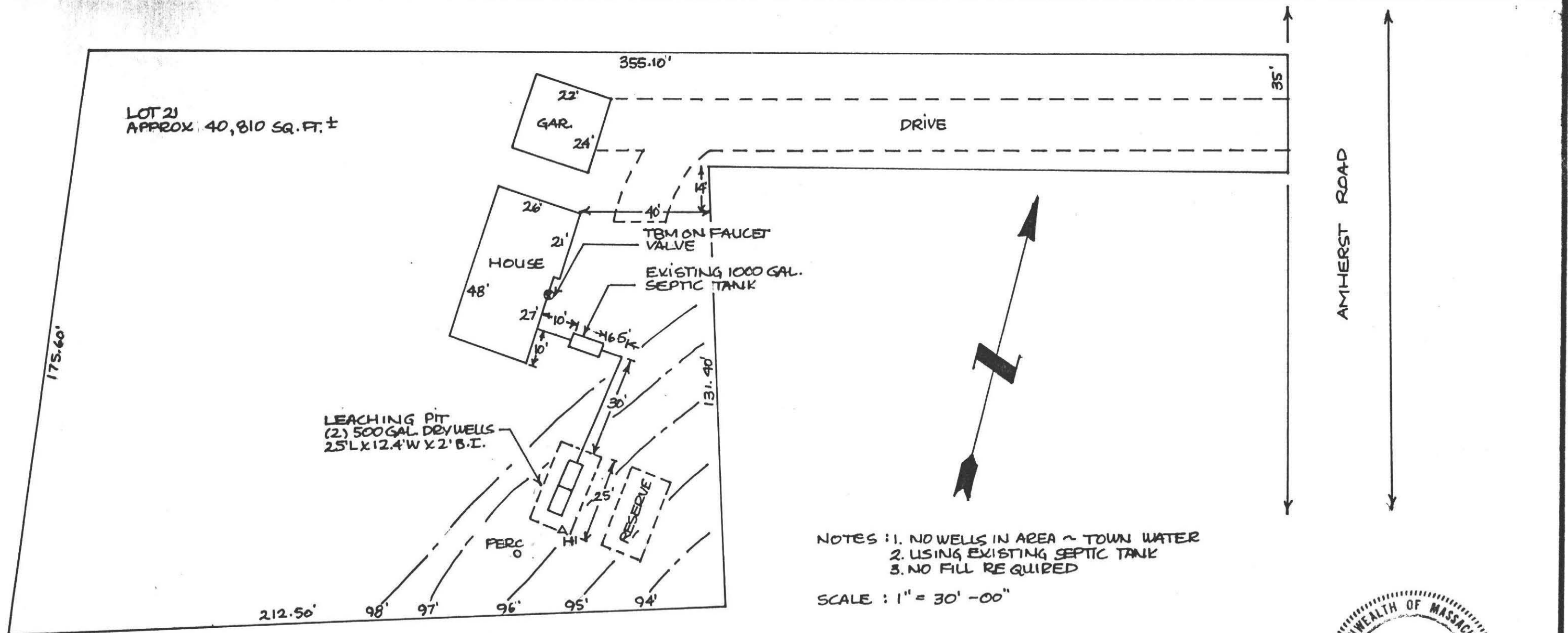
TEST	<u>9:29</u>	<u>12"</u>	<u>8"</u>	<u>9:35⁰⁸</u>		
	<u>9:30³⁰</u>	<u>11"</u>	<u>7"</u>	<u>9:37⁰²</u>		
	<u>9:31⁵⁵</u>	<u>10"</u>	<u>6"</u>	<u>9:39²⁵</u>		
	<u>9:33²⁵</u>	<u>9"</u>	<u>3"</u>	<u>6 min</u>		

RATE (2) RATE

TOP	6	TOP	
SUB	23	SUB	
FINE SAND 48"			
slightly firm			
see page 126			
Till 11/12			
TOP		TOP	
SUB		SUB	
TOP		TOP	
SUB		SUB	



100



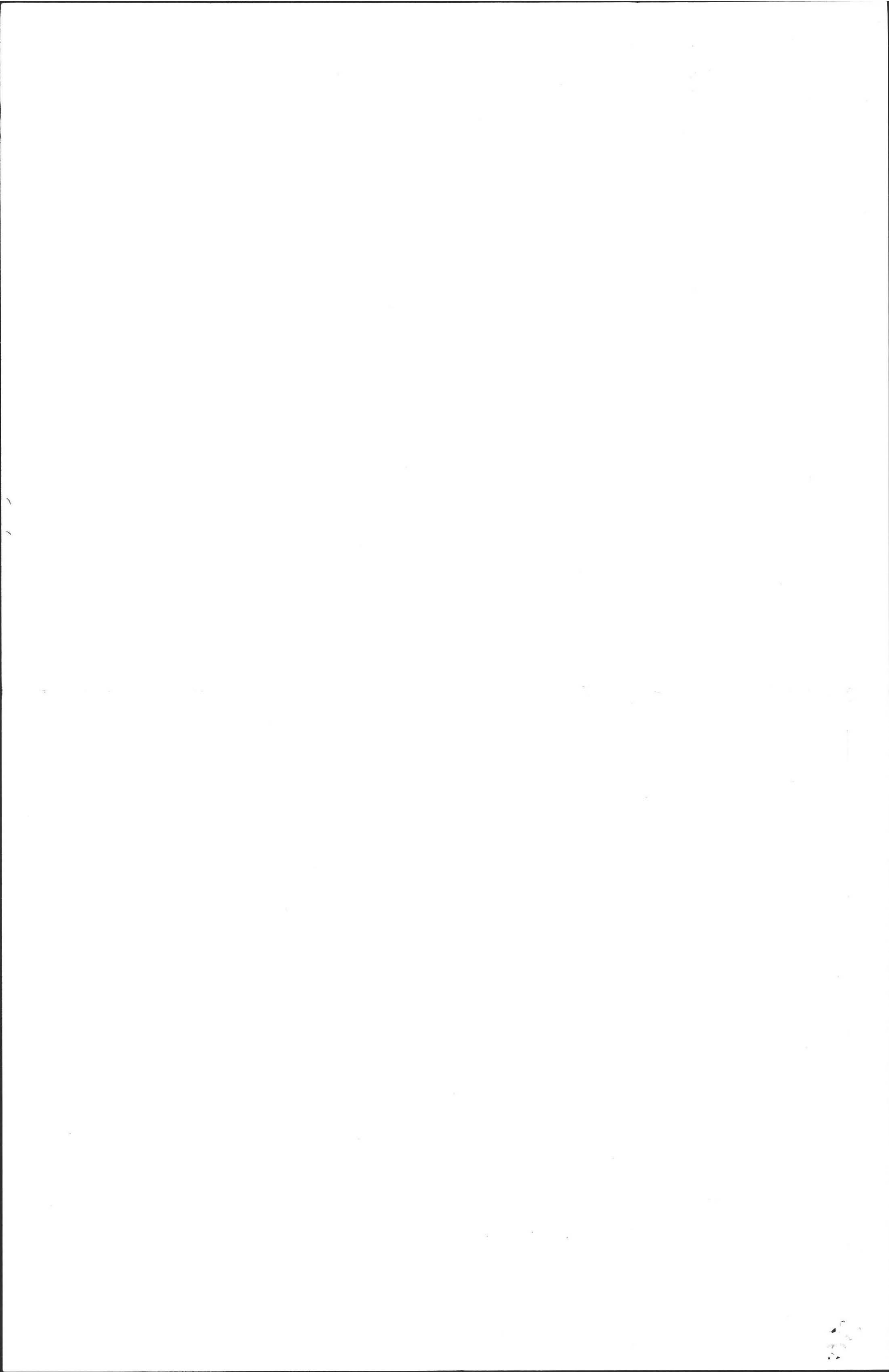
NOTES : 1. NO WELLS IN AREA ~ TOWN WATER
 2. USING EXISTING SEPTIC TANK
 3. NO FILL REQUIRED

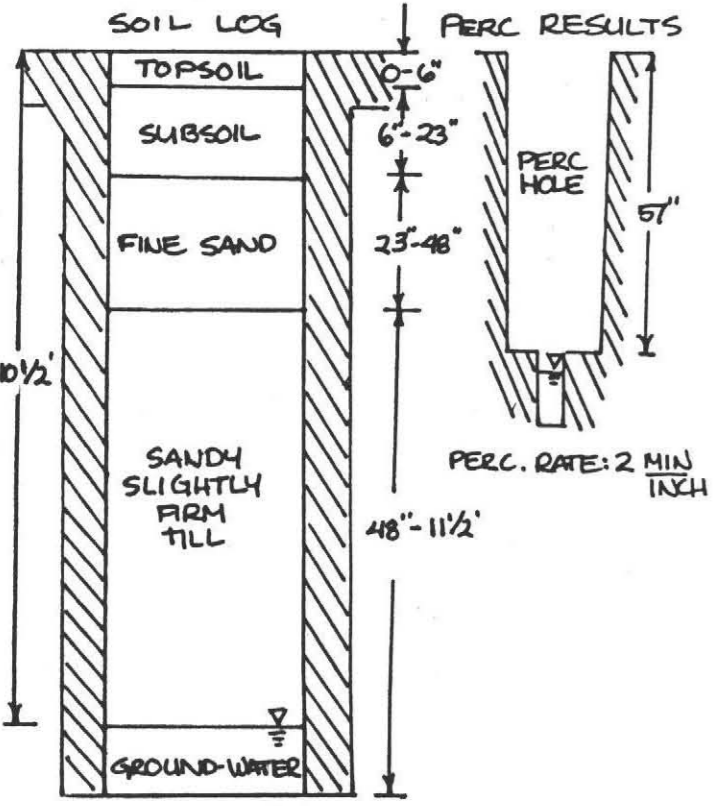
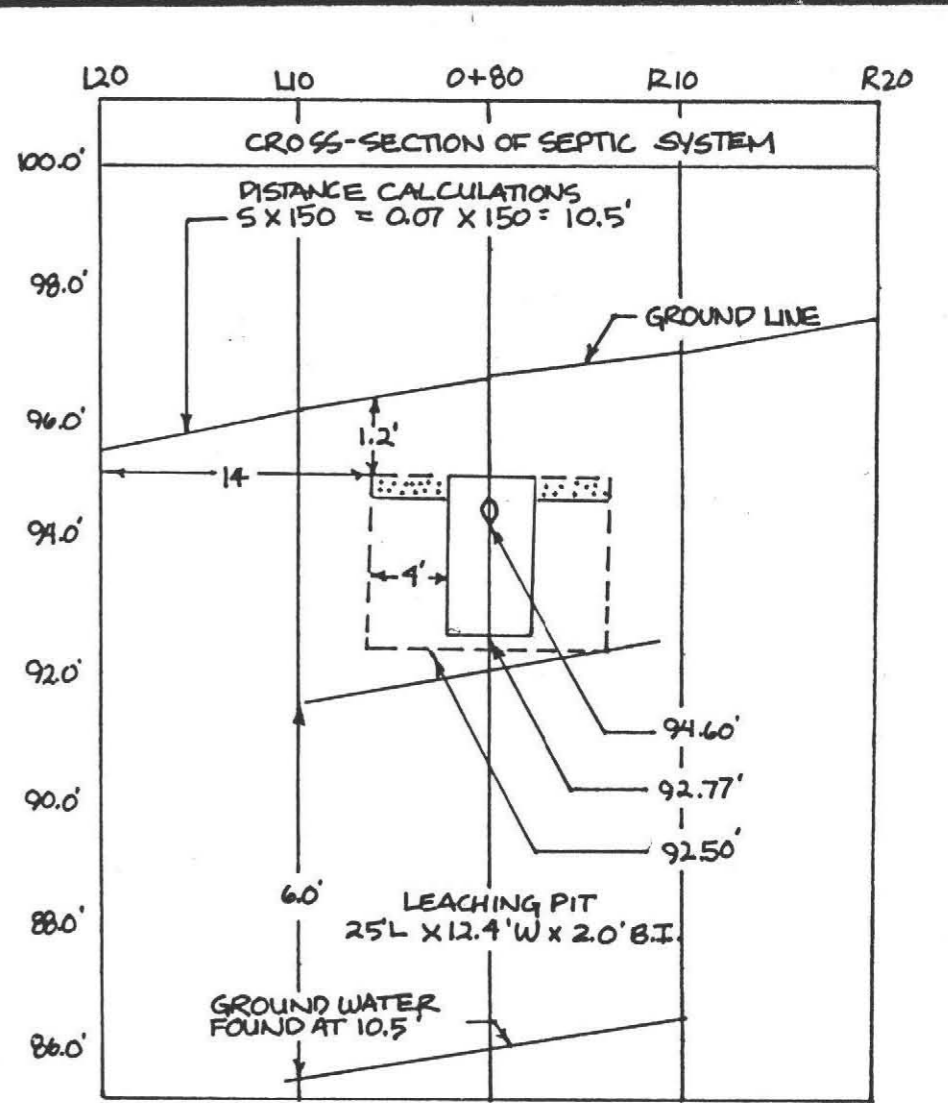
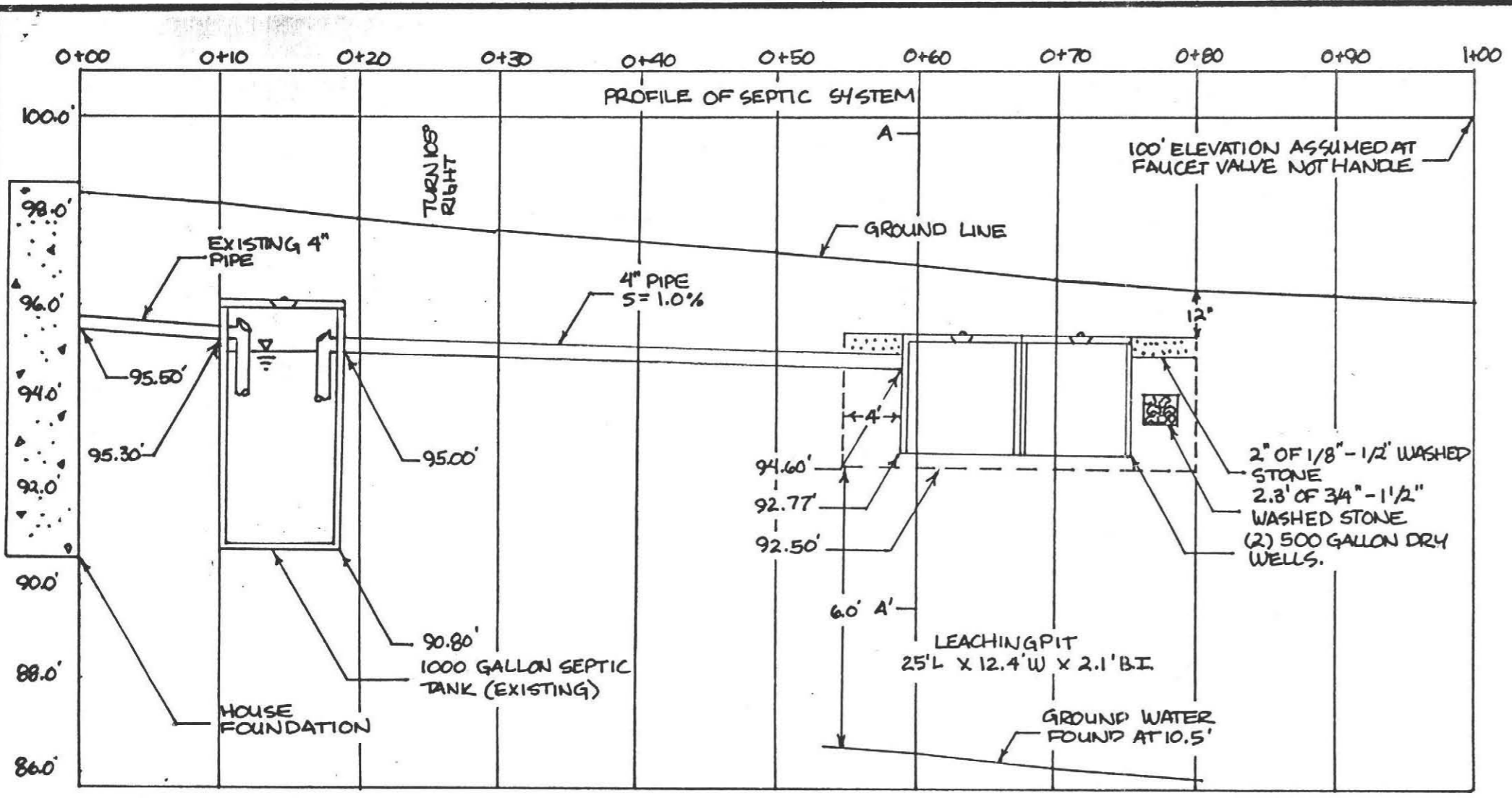
SCALE : 1" = 30' - 00"



PLAN SHOWING SEWAGE DISPOSAL SYSTEM

CLIENT : ROBERT PATERSON DATE : 6/15/89
 340 MONTAGUE RD
 AMHERST, MA
 BY : FILIOS ENTERPRISES, INC. D. LABELLE
 69 PELHAM ROAD
 AMHERST, MA 01002
 SITE : 310 MONTAGUE RD.
 AMHERST, MA





- CONSTRUCTION NOTES**
1. SEPTIC TANK SHOULD BE PUMPED AND INSPECTED ANNUALLY
 2. INLET AND OUTLET TEES SHOULD EXTEND 10" AND 14" BELOW FLOW LINE RESPECTIVELY
 3. IF EXISTING SEPTIC TANK OUTLET IS LOWER THAN 95' IT MUST BE RAISED TO THIS ELEVATIONS.
 4. ALL TOPSOIL SHOULD BE REMOVED TO A DISTANCE OF 10' WHERE FILL IS TO BE USED.

CALCULATIONS

5 BORM x 55 GAL x 2 PER x 1.25 = 687.5
PER BORM

687.5 GALLONS REQUIRED
 2 MIN / INCH PERCOLATION RATE

LEACHING PIT (25'L x 12.4'W x 2.1'BI)

SIDEWALL : 2(25' x 2.1') x 2.5 = 262.5
 ENDS : 2(12.4' x 2.1') x 2.5 = 130.2
 BOTTOM : 1(25' x 12.4') x 1.0 = 310.0

702.7

TOTAL GALLONS SUPPLIED IS 702.7

SPECIFICATIONS

ALL CONSTRUCTION AND MATERIALS MUST BE IN ACCORDANCE WITH COMMONWEALTH OF MA DEQE STATE ENVIRONMENTAL CODE TITLE 5.



SCALE : HORIZONTAL : 1" = 10'-00"
 VERTICAL : 1" = 3'-00"

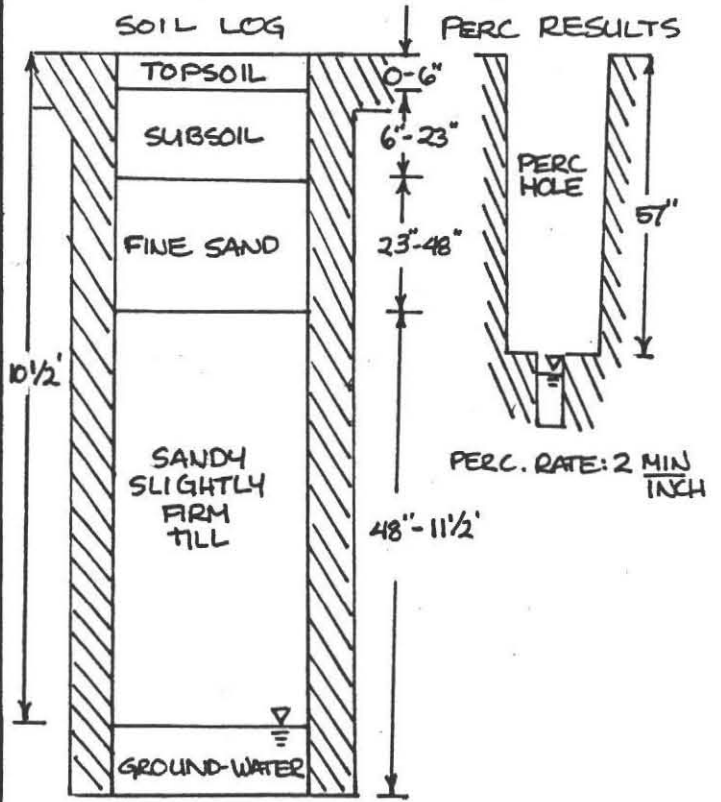
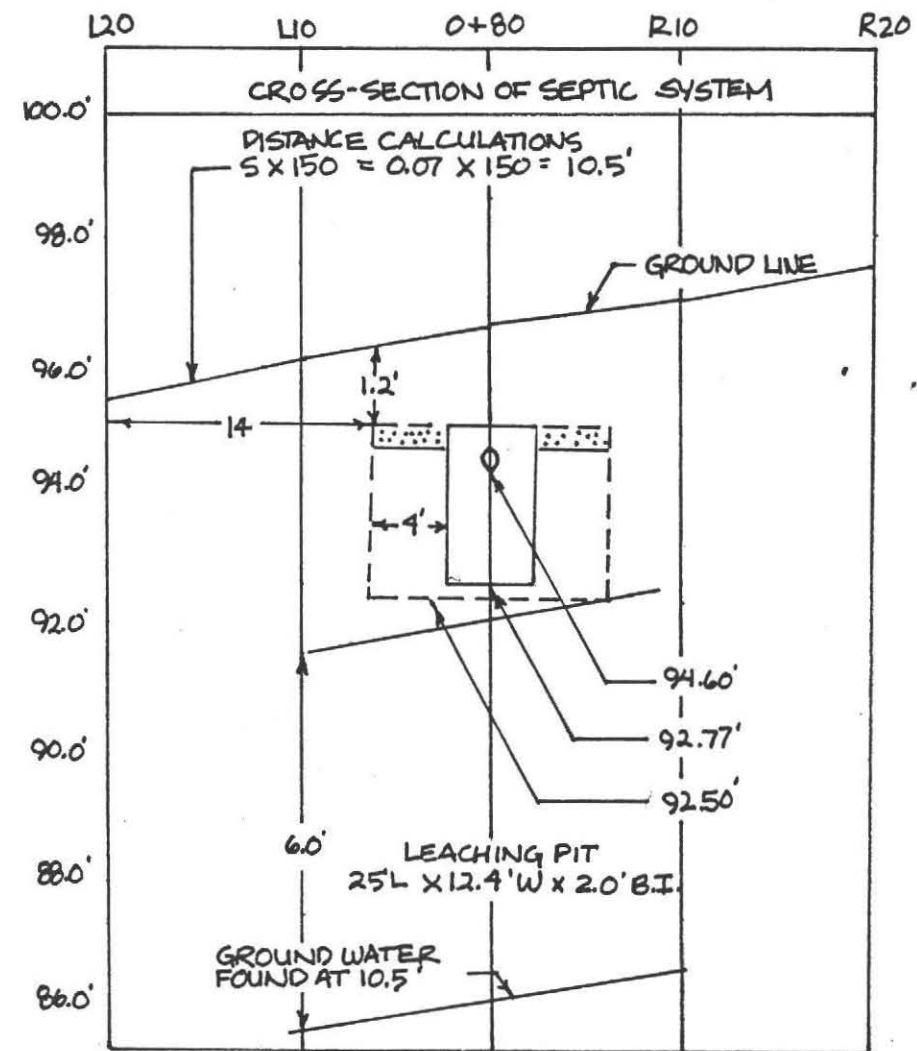
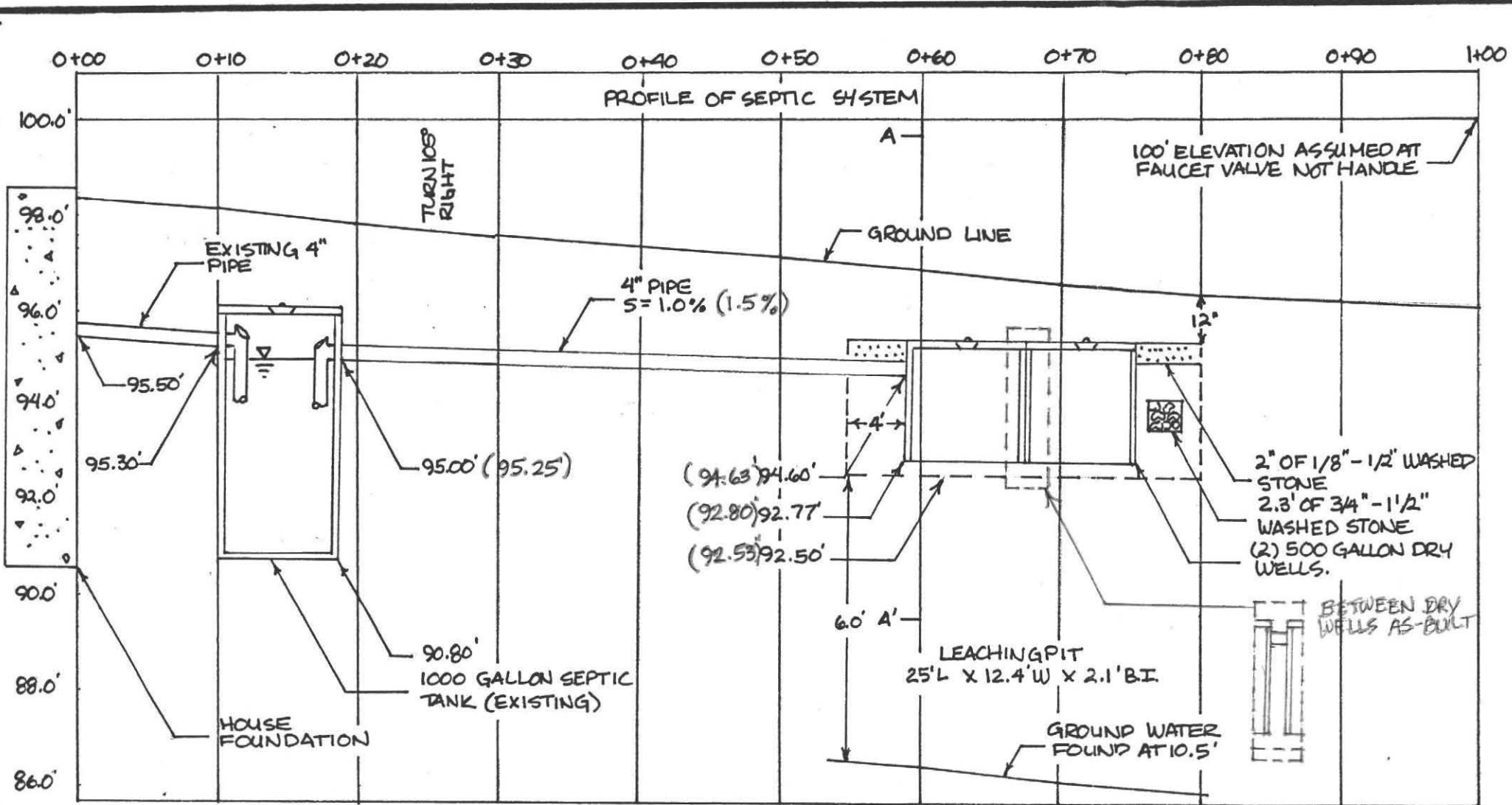
PROFILE AND CROSS-SECTION OF SYSTEM REPAIR

CLIENT : ROBERT PATTERSON DATE : 6/15/89
 310 MONTAGUE RD
 AMHERST, MA.

BY : FILIOS ENTERPRISES, INC. D. LABELLE
 69 PELHAM ROAD
 AMHERST, MA. 01002

SITE : 310 MONTAGUE RD.
 AMHERST, MA





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PROFILE AND CROSS-SECTION OF SYSTEM REPAIR

CLIENT: ROBERT PATTERSON DATE: 6/15/89
 340 MONTAGUE RD
 AMHERST, MA.

BY: FILIOS ENTERPRISES, INC. D. LABELLE
 69 PELHAM ROAD
 AMHERST, MA 01002

SITE: 310 MONTAGUE RD.
 AMHERST, MA



SCALE: HORIZONTAL: 1" = 10'-00"
 VERTICAL: 1" = 3'-00"

11

12

13

14

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

June 30, 1989

Robert Patterson
340 Montague Road
Amherst, MA 01002

Dear Mr. Patterson,

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

310 Montague Road
Amherst, MA

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

Exceptions:

1. The elevations of the as-built system vary from those of the design as shown in red on the copy of the profile enclosed.
2. Pipe was used to connect dry wells at top rather than putting them flush together as the design called for.

Sincerely,

Frederick A. Filios

(Frederick A. Filios)

C.C. to Board of Health

