

Sunderland Road - Pending



No. 96-9

FEE 60.00

THE COMMONWEALTH OF MASSACHUSETTS

Amherst

MASSACHUSETTS

### Application for Disposal System Construction Permit

() ADDITION

Application is hereby made for a Permit to Construct ( ) or Repair ( ) an On-site Sewage Disposal System at:

Location Address or Lot No. <u>500 SUNDERLAND ROAD, AMHERST</u>	Owner's Name, Address and Tel. No. <u>John + Tracy Reid</u> <u>500 Sunderland Road (RT 116)</u> <u>Amherst MA 01002</u>
Installer's Name, Address, and Tel.No.	Designer's Name, Address and Tel. No. <u>Filios Enterprises Inc.</u> <u>69 Pelham Road</u> <u>Amherst, MA 01002</u>

**Type of Building:**

Dwelling No. of Bedrooms 4 Garbage Grinder ()  
 Other Type of Building Residential No. per Persons \_\_\_\_\_ Showers ( ) Cafeteria ( )  
 Other Fixtures \_\_\_\_\_

Design Flow PER PERSON 55 gallons per day. Calculated daily flow 440.0 x 1.25 = 550.0 gallons.

Plan Date Nov. 28, 1989 Number of sheets 3 Revision Date JAN. 5, 1996  
 Title PLAN OF SEWAGE DISPOSAL SYSTEM

Description of Soil ATTACHED

Nature of Repairs or Alterations (Answer when applicable):  
ADDITION OF TWO DRY WELLS (500 gal.)



Date last inspected: \_\_\_\_\_

**Agreement:**

The undersigned agrees to ensure the construction and maintenance of the aforescribed on-site sewage disposal system in accordance with the provisions of Title 5 of the Environmental Code and not to place the system in operation until a Certificate of Compliance has been issued by this Board of Health.

Signed John Reid Date 8/26/96

Application Approved by David J. Gagnon for Inspector Date 8/27/96

Application Disapproved for the following reasons \_\_\_\_\_

Permit No. 96-9

Date Issued \_\_\_\_\_

THE COMMONWEALTH OF MASSACHUSETTS

Amherst

MASSACHUSETTS

### Certificate of Compliance

THIS IS TO CERTIFY, that the On-site Sewage Disposal System installed ( ) or repaired/replaced (  ) on 500 Sunderland Rd by \_\_\_\_\_ for John + Tracy Reid at 500 Sunderland Rd has been constructed in accordance with the provisions of Title 5 and the for Disposal System Construction Permit No. 96-9 dated \_\_\_\_\_. Use of this system is conditioned on compliance with the provisions set forth below:

The issuance of this certificate shall not be construed as a guarantee that the system will function as designed. This Certificate expires on \_\_\_\_\_

DATE \_\_\_\_\_ Inspector \_\_\_\_\_

THE COMMONWEALTH OF MASSACHUSETTS

No. 96-9

Amherst

MASSACHUSETTS

FEE 60.00

### Disposal System Construction Permit

Permission is hereby granted to John + Tracy Reid to construct ( ) or repair (  ) an On-site Sewage System located at 500 Sunderland Rd Amherst Mass.

and as described in the above Application for Disposal System Construction Permit. The applicant recognizes his/her duty to comply with Title 5 and the following local provisions or special conditions.

All construction must be completed within three years of the date below.

DATE 8-27-96 Approved by David J. Gagnon for Inspector

# Application for Disposal of Sewage

Application is hereby made for a permit to dispose of sewage from a building located at the following address:

Location Address: \_\_\_\_\_

Building Name Address: \_\_\_\_\_

Type of Building: \_\_\_\_\_  
 Dwelling: \_\_\_\_\_  
 Other: \_\_\_\_\_

Design Flow: \_\_\_\_\_  
 Plan Date: \_\_\_\_\_  
 Title: \_\_\_\_\_

Description of Soil: \_\_\_\_\_  
 Nature of Repair or Addition: \_\_\_\_\_

Date last inspected: \_\_\_\_\_

The undersigned hereby certifies that the information furnished herein is true and correct to the best of his knowledge and belief.

Application Approved by: \_\_\_\_\_  
 Application Disposed on the following date: \_\_\_\_\_

Permit No. \_\_\_\_\_

THIS IS TO CERTIFY that the above information was received and reviewed by the Board of Health of the City of Boston, and that the same is in accordance with the provisions of Chapter 241A, Section 10, of the General Laws of the Commonwealth of Massachusetts.

The license of the applicant shall not be valid unless the applicant has paid the license fee of \_\_\_\_\_.

DATE: \_\_\_\_\_



THE COMMONWEALTH OF MASSACHUSETTS  
 BOARD OF HEALTH OF THE CITY OF BOSTON

Received of \_\_\_\_\_ the sum of \_\_\_\_\_ Dollars for license fee.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



# TOWN OF AMHERST

## INSPECTION SERVICES/HEALTH PERMITS

4th 1003

Received of Tracy Hightower of 500 Sunderland Road Amherst  
Name Address

For Property Located at 500 Sunderland Rd John Reid - Tracy Hightower  
Street Address Owner

<input type="checkbox"/> Bakery	01-0-501-4433-00	<input type="checkbox"/> Perc Test	01-0-501-4344-00
<input type="checkbox"/> Bed & Breakfast	01-0-501-4474-01	<input type="checkbox"/> Pool	01-0-501-4471-00
<input type="checkbox"/> Catering	01-0-501-4429-00	<input type="checkbox"/> Rec. Camp	01-0-501-4424-00
<input type="checkbox"/> Food Handler	01-0-501-4474-00	<input type="checkbox"/> Retail Permit	01-0-501-4473-00
<input type="checkbox"/> Frozen Desserts	01-0-501-4421-00	<input type="checkbox"/> Sanitary Code Booklet	01-0-501-4380-00
<input type="checkbox"/> Housing Inspection	01-0-501-4348-00	<input type="checkbox"/> Septic Installers Permit	01-0-501-4470-01
<input type="checkbox"/> Massage	01-0-501-4425-00	<input checked="" type="checkbox"/> Septic Private Applications	01-0-501-4470-00
<input type="checkbox"/> Milk	01-0-501-4420-00	<input type="checkbox"/> Septic - Reinspection	01-0-501-4345-00
<input type="checkbox"/> Motel License	01-0-501-4428-00	<input type="checkbox"/> Sub-Division Rev.	01-0-501-4460-00
<input type="checkbox"/> Miscellaneous	01-0-501-_____	<input type="checkbox"/> Tanning	01-0-501-4434-00
<input type="checkbox"/> Offal/Garbage	01-0-501-4472-00	<input type="checkbox"/> Twenty-one D Tickets	01-0-501-4879-00

Norma J. Lynch 8-28-96  
 Treasurer/Collector

**TOTAL FEE:** 600.00

**AUG 29 1996**

**TOWN OF AMHERST**

**White - Applicant      Yellow - Collector      Pink - Inspection Services**

David Garozzini for Inspector  
 Inspection Services

(PPD)

UNITED STATES DEPARTMENT OF JUSTICE  
FEDERAL BUREAU OF INVESTIGATION

CONFIDENTIAL



SEARCHED	INDEXED
SERIALIZED	FILED
FBI - [City]	
[Date]	

DAVID ZAROZINSKI

ROBT STOVER

MAR 15, 1990

KEN BERGSTROM

RED WING MEADOW FARM

AMHERST, MA

1<sup>ST</sup> PERC AT 70"

SOAK AT 2:40

12" AT 2:55

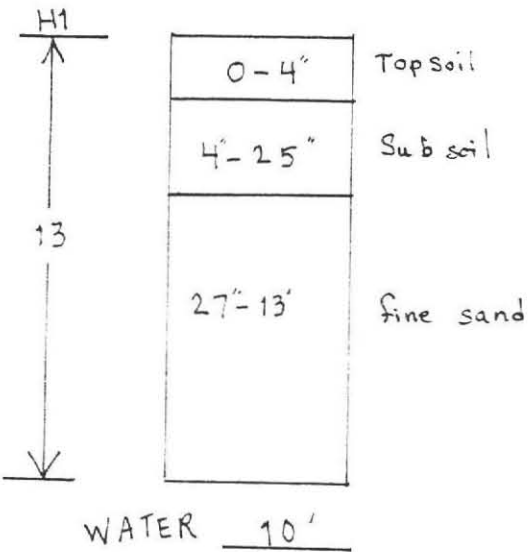
9" AT 2:58

8" AT 2:59

7" AT 3:00

6" AT 3:01

RATE 2 min./inch



2<sup>ND</sup> PERC AT 48"

SOAK AT 3:03

12" AT

9" AT

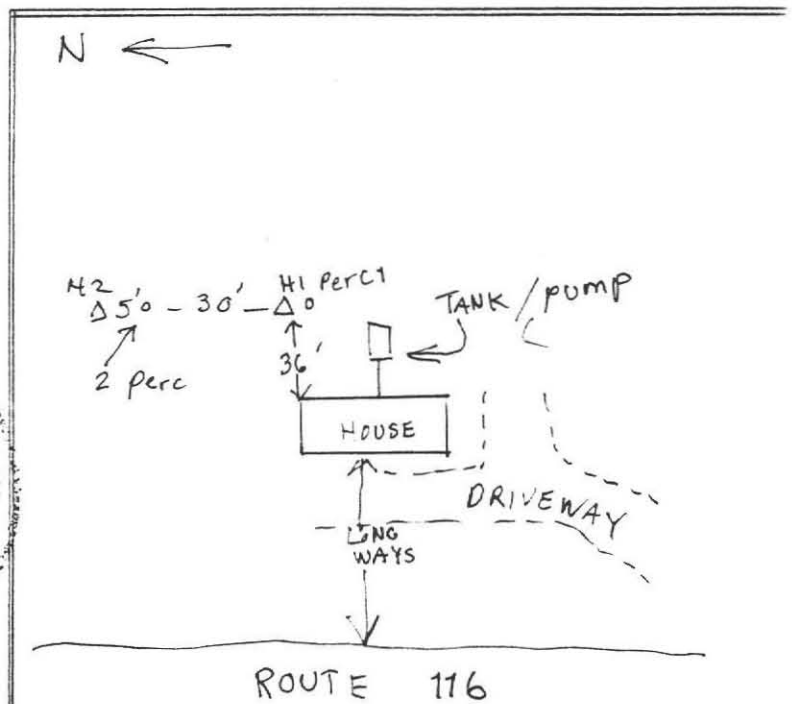
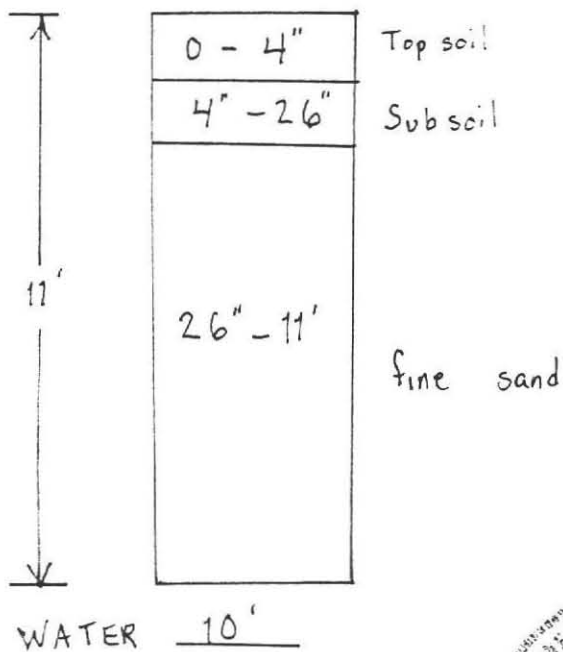
8" AT

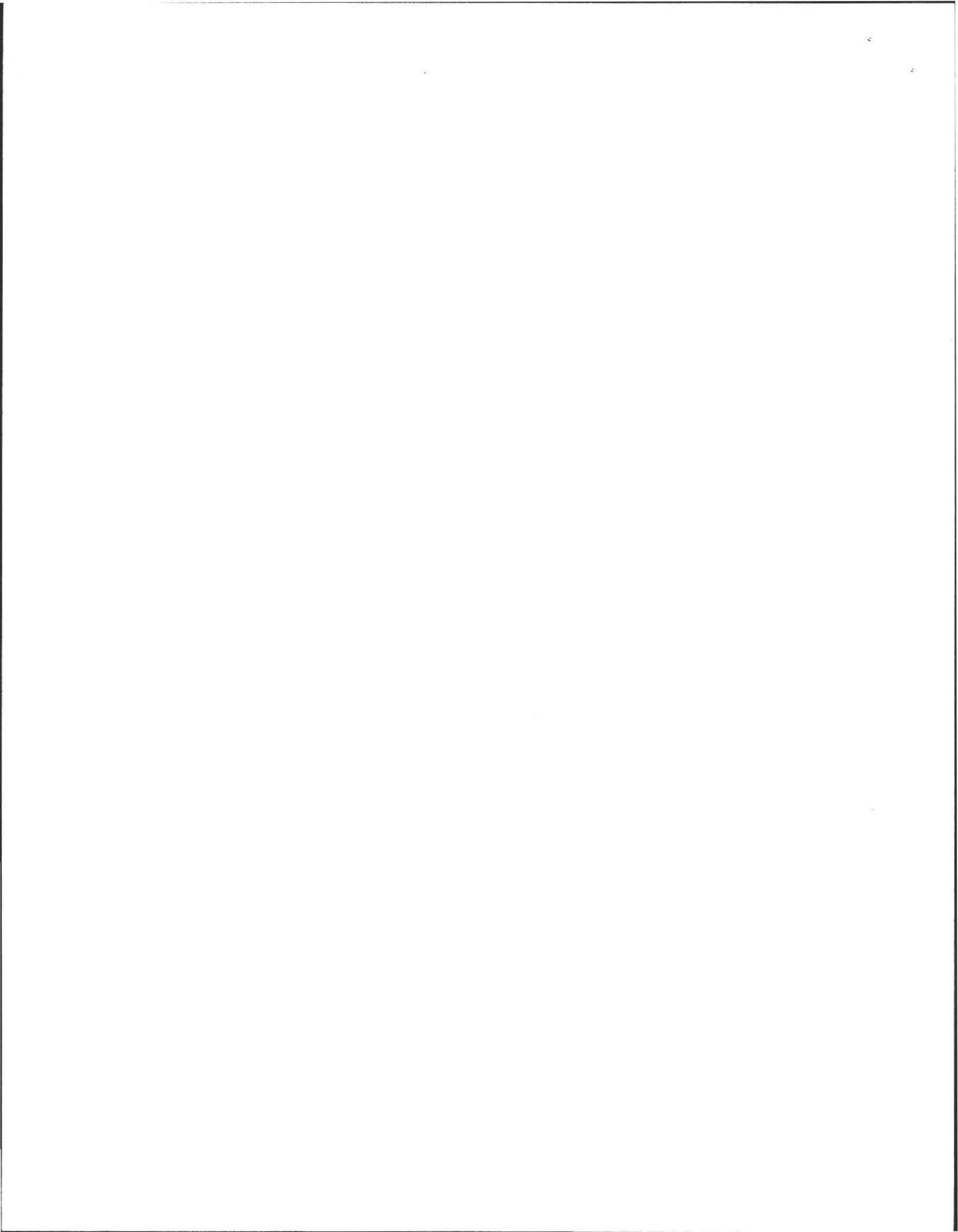
7" AT

6" AT

RATE 2 min./inch

*can't hold water*





**LOCUS PLAN**

FOR: JOHN + TRACY REID  
 500 SUNDERLAND ROAD  
 AMHERST, MA 01002

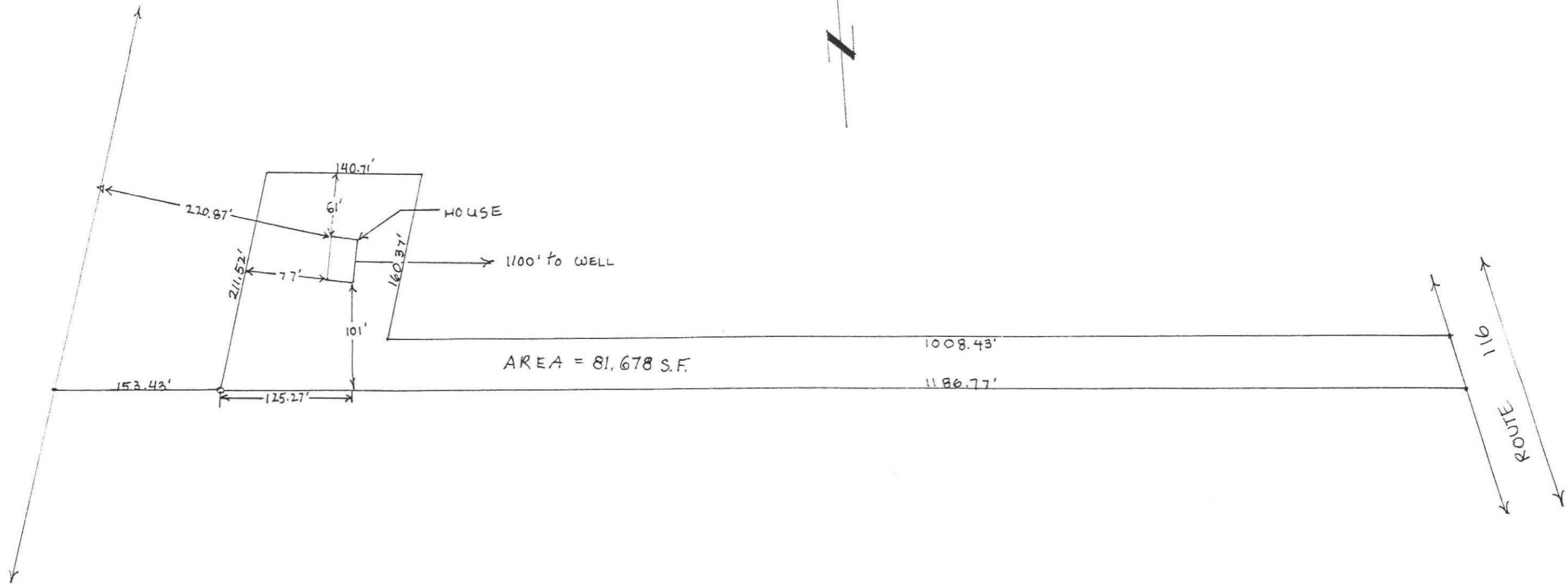
BY: FILIOS ENTERPRISES, INC  
 69 PELHAM ROAD  
 AMHERST, MA 01002

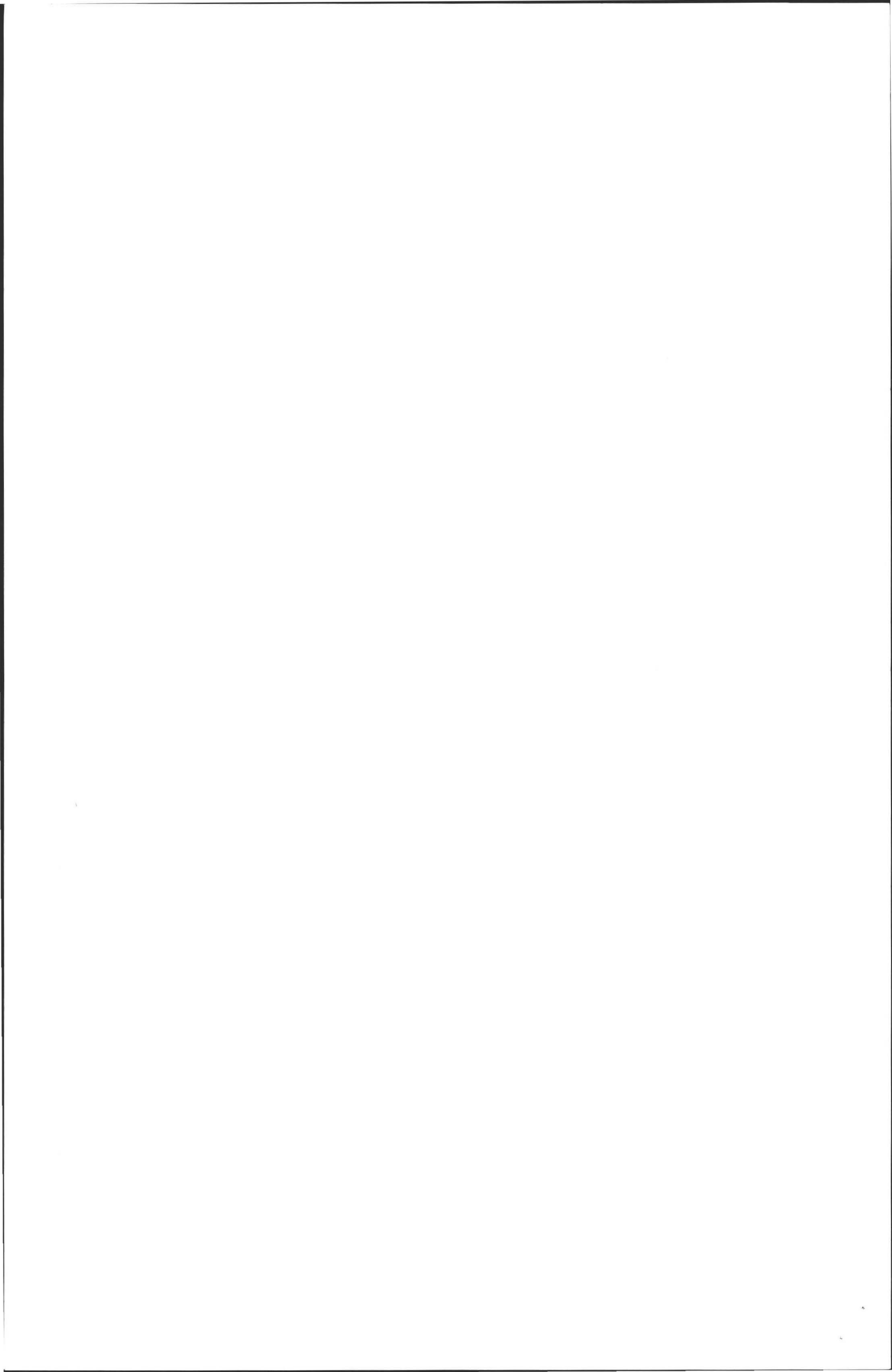
SITE:  
 500 SUNDERLAND ROAD  
 AMHERST, MA

DATE: NOVEMBER 28, 1989  
 REVISED: JAN. 5, 1996

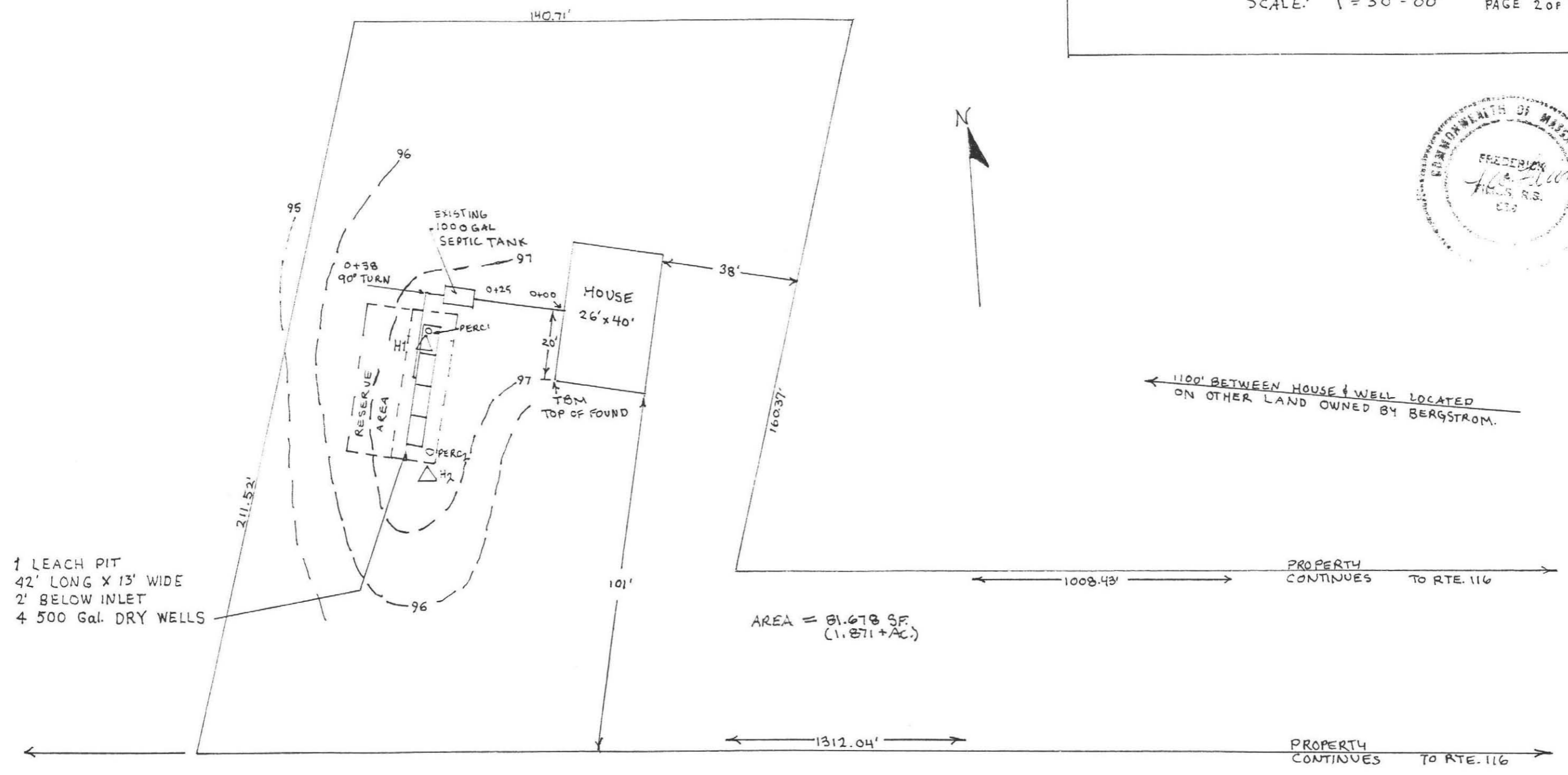
SCALE: 1" = 100'-00"      PAGE 1 OF 3

NOTES: 1:) SEE PLAN DETAIL FOR INFORMATION CONCERNING THE SEWAGE DISPOSAL SYSTEM.  
 2:) "LOCUS PLAN" USED ONLY FOR PROPERTY DIMENSIONS AND HOUSE LOCATION.

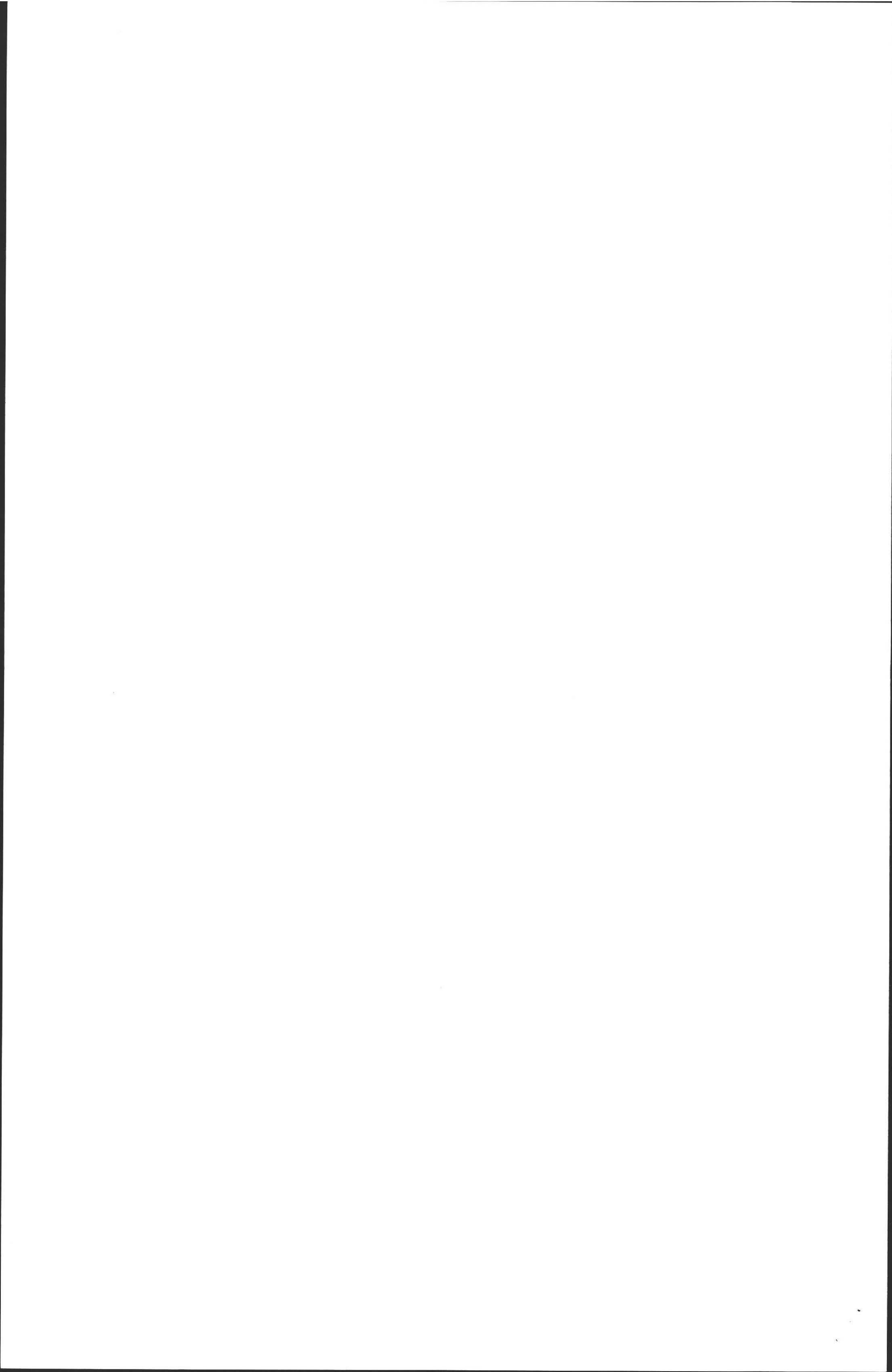




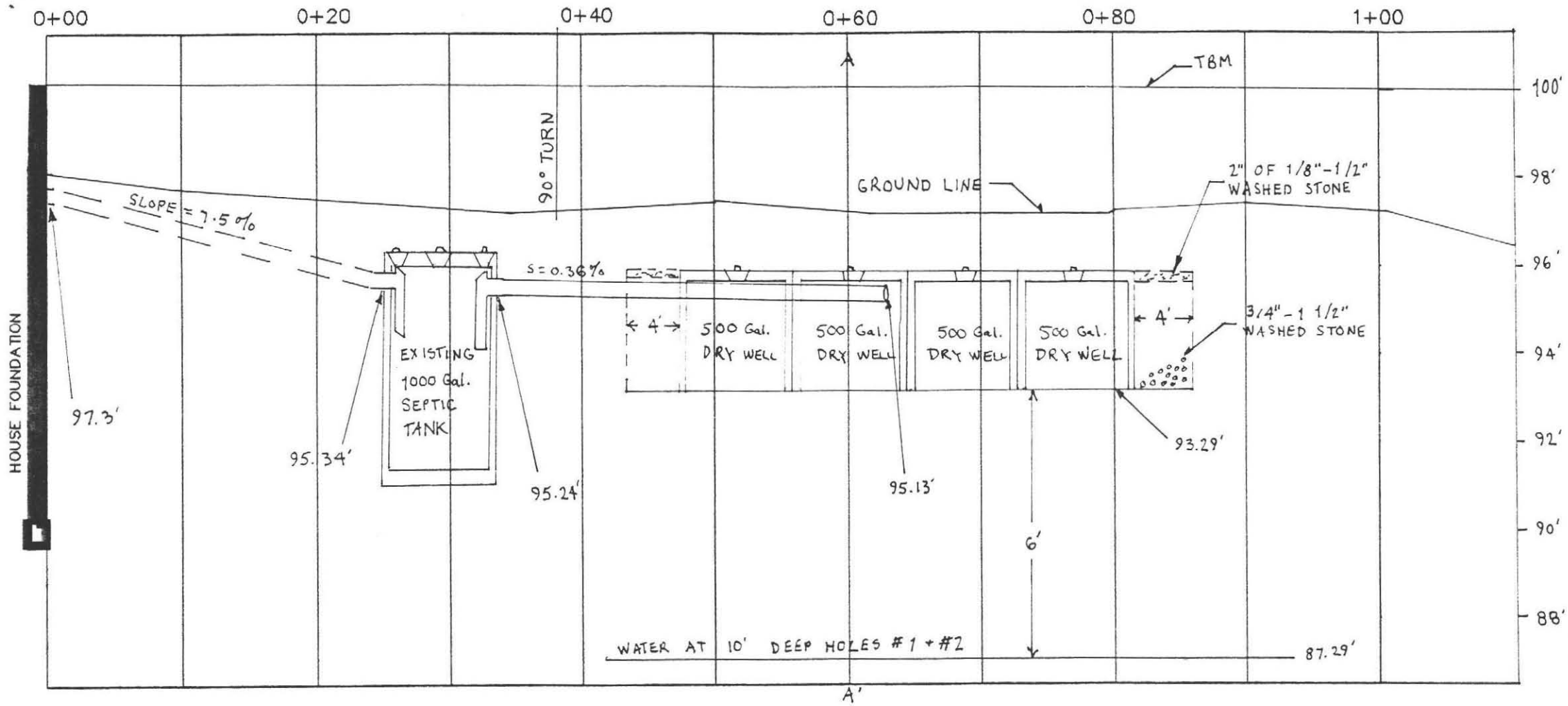
**PLAN SHOWING SEWAGE DISPOSAL (DETAIL)**  
 FOR: JOHN + TRACY REID  
 500 SUNDERLAND ROAD  
 AMHERST, MA 01002  
 BY: FILIOS ENTERPRISES, INC  
 69 PELHAM ROAD  
 AMHERST, MA 01002  
 SITE: 500 SUNDERLAND ROAD  
 AMHERST, MA 01002  
 DATE: NOVEMBER 28, 1989  
 REVISION: JANUARY 5, 1996  
 SCALE: 1" = 30' - 00" PAGE 2 OF 3



- 1 LEACH PIT  
42' LONG X 13' WIDE  
2' BELOW INLET
- 4 500 Gal. DRY WELLS







100 FT. ELEVATION ASSUMED AT TBM.  
TBM IS TOP OF FOUNDATION S.W. CORNER OF HOUSE AS SHOWN ON PLAN VIEW.

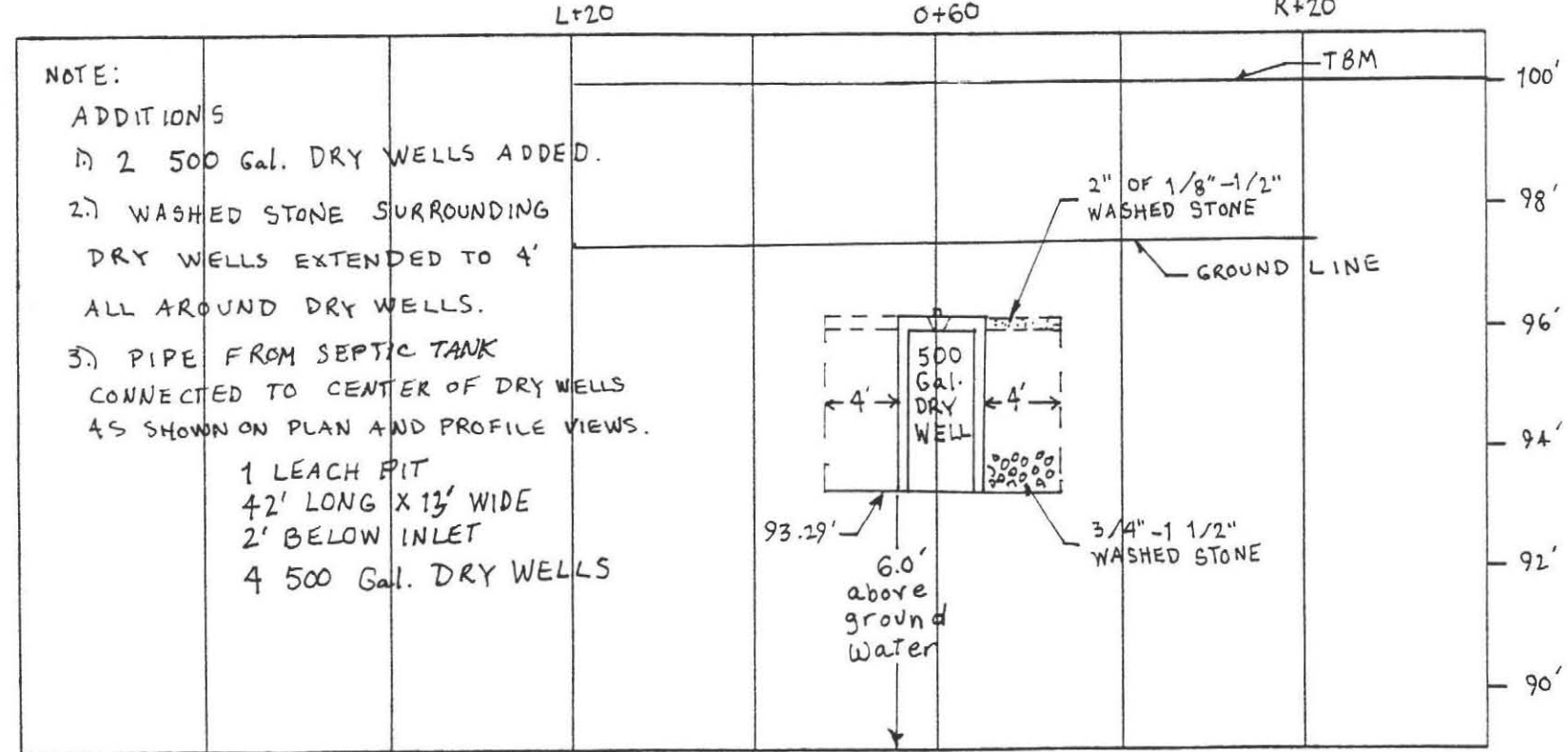
**CALCULATIONS**

REQUIRED: For a 4 bedroom house without a garbage grinder  
a capacity of 440.0 gal./day. x 1.25 = 550. gal./day.

DESIGNED: { each pit 42.0' L x 13.0' W x 2.0' below inlet  
(effective depth), for a perc rate of 2.0 min./in. and a soil class of 1,  
yielding a loading factor of 0.74 gal./sq. ft. for sidewall & bottom area.

SIDES:	(42.0' + 13.0') 2 x 2.0' x 0.74 gal./sq. ft.	= 162.80 Gal.
BOTTOM:	(42.0' x 13.0') 0.74 gal./sq. ft.	= 404.04 Gal.
TOTAL		566.84 Gal.

**CROSS-SECTION AT A - A'**



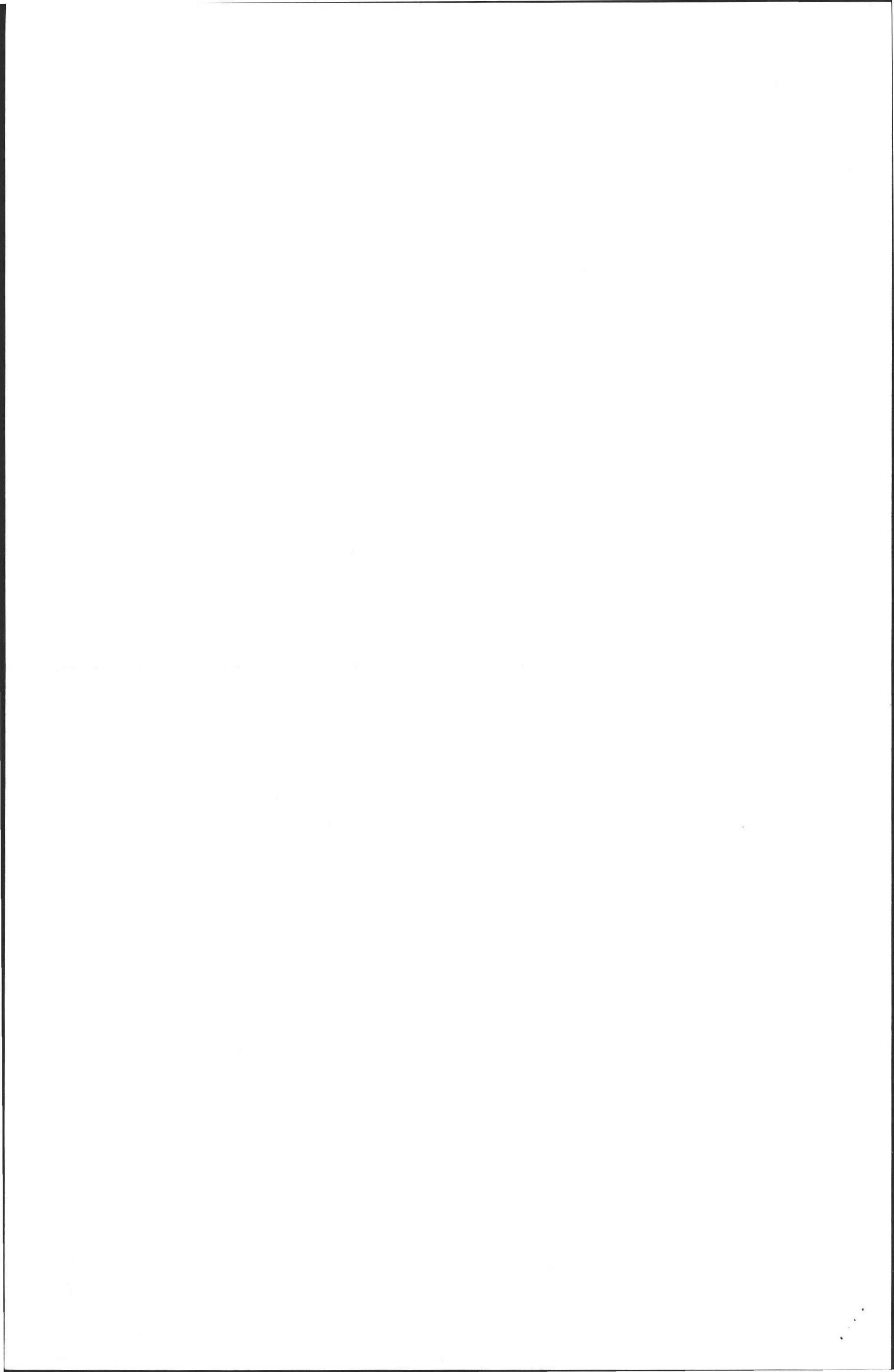
**NOTE:**  
ADDITIONS  
1) 2 500 Gal. DRY WELLS ADDED.  
2) WASHED STONE SURROUNDING DRY WELLS EXTENDED TO 4' ALL AROUND DRY WELLS.  
3) PIPE FROM SEPTIC TANK CONNECTED TO CENTER OF DRY WELLS AS SHOWN ON PLAN AND PROFILE VIEWS.

1 LEACH PIT  
42' LONG X 13' WIDE  
2' BELOW INLET  
4 500 Gal. DRY WELLS

- CONSTRUCTION NOTES**
- SEPTIC TANK SHALL BE PUMPED AND INSPECTED AS NECESSARY AND AT LEAST ONCE EVERY THREE YEARS. TANK INLET AND OUTLET TEES SHALL BE SCH 40 PVC OR CAST-IN-PLACE-CONCRETE. TEES SHALL EXTEND A MINIMUM OF 6 INCHES ABOVE THE FLOW LINE AND 10 AND 14 INCHES BELOW THE FLOW LINE RESPECTIVELY. THERE SHALL BE AN AIR SPACE OF AT LEAST 3 INCHES BETWEEN TOPS OF TEES AND INSIDE OF TANK COVER. THE INLET PIPE ELEVATION SHALL BE NO LESS THAN 2 INCHES NOR MORE THAN 3 INCHES ABOVE ELEVATION OF THE OUTLET PIPE.
  - PIPES EXITING THE D.BOX SHALL HAVE THE SAME INVERT ELEVATION AND SHALL BE LEVEL FOR AT LEAST THE FIRST 2 FEET OF LENGTH.
  - TOPSOIL AND SUBSOIL SHALL BE REMOVED FOR 5 FEET AROUND THE LEACH AREA AND WHERE FILL IS TO BE PLACED. FILL MATERIAL SHALL BE A CLEAN GRANULAR SAND AND CONFORM TO THE SPECIFICATIONS OF TITLE 5 310 CMR 15.255(3).

PROFILE OF SEWAGE DISPOSAL SYSTEM	
500 SUNDERLAND RD. AMHERST, MA. 01002	
BY: FILIOS ENTERPRISES, INC. 69 PELHAM RD. AMHERST MA 01002 (413)256-8008	FOR: JOHN + TRACY REID 500 SUNDERLAND RD AMHERST, MA 01002
DRAWN BY: D.B.	SCALE: 1" = 10' HOR. 3' VER.
NOVEMBER 28, 1989	3 OF 3

REVISED: JANUARY 5, 1996



6/6/89

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Please have Fred  
Fales sign both  
yellow + white  
copy of Plan  
#88-40 Revised

Thank U.S.  
Dor

cholesterol level. Therefore, the mo

- Lower your intake of total
- Substitute polyunsaturated  
fats)
- Increase your level of exe

These materials contain a subst  
and many idea. I hope you find them  
Screening and, again, I am sorry for

Encl.

EB/tk

No. 87-13

CKA 2851 FEE \$90

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 (X) or Repair ( ) an Individual Sewage Disposal System at:

Route 116, Robert Duby, KARL'S EXCAVATING, South Plain Rd, Sunderland, MA

Type of Building: Dwelling - No. of Bedrooms 4, Expansion Attic ( ), Garbage Grinder ( ), Other - Type of Building, No. of persons, Showers ( ), Cafeteria ( )

Design Flow 55 gallons per person per day, Total daily flow 440 gallons, Septic Tank Liquid capacity 1000 gallons, Length 8.5', Width 5', Diameter, Depth 5.4", Disposal French No. 1, Width 18', Total Length 40', Total leaching area 720 sq. ft.

Description of Soil: Attached, Nature of Repairs or Alterations - Answer when applicable

Agreement: The undersigned agrees to install the aforementioned 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 T. Duby, Date: 5-12-87

Permit No. 87-13, 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 (X) or Repaired ( ) by Robert Duby, Installer at Route 116 Lot 1 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. dated

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

DATE, Inspector

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

Town OF Amherst

Disposal Works Construction Permit

Permission is hereby granted Robert Duby - KARL'S EXCAVATING to Construct (X) or Repair ( ) an Individual Sewage Disposal System at No. Lot 1, Route 116

as shown on the application for Disposal Works Construction Permit No. 87-13 Dated 5-12-87

DATE 5-12-87, Board of Health

CHECK OR FILL IN WHERE APPLICABLE



**RED-WING MEADOW  
FARM, INC.**

**Kenneth L. Bergstrom  
President**

**P.O. Box 484  
Sunderland, MA 01375  
Office: 413-549-4118  
Hatchery: 413-367-9494  
Residence: 413-665-3295**

BOARD OF HEALTH

TOWN OF AMHERST, MASSACHUSETTS

SUNDERLAND RD - LAST HOUSE

Important Information Regarding Your Private Sewage Disposal System

DISPLAY THIS DOCUMENT IN A PROMINENT PLACE

Owner ROBERT DUBY Address SOUTH MAIN RD SUNDERLAND

Installer KARL'S EXCAVATING Address RIVER DR.

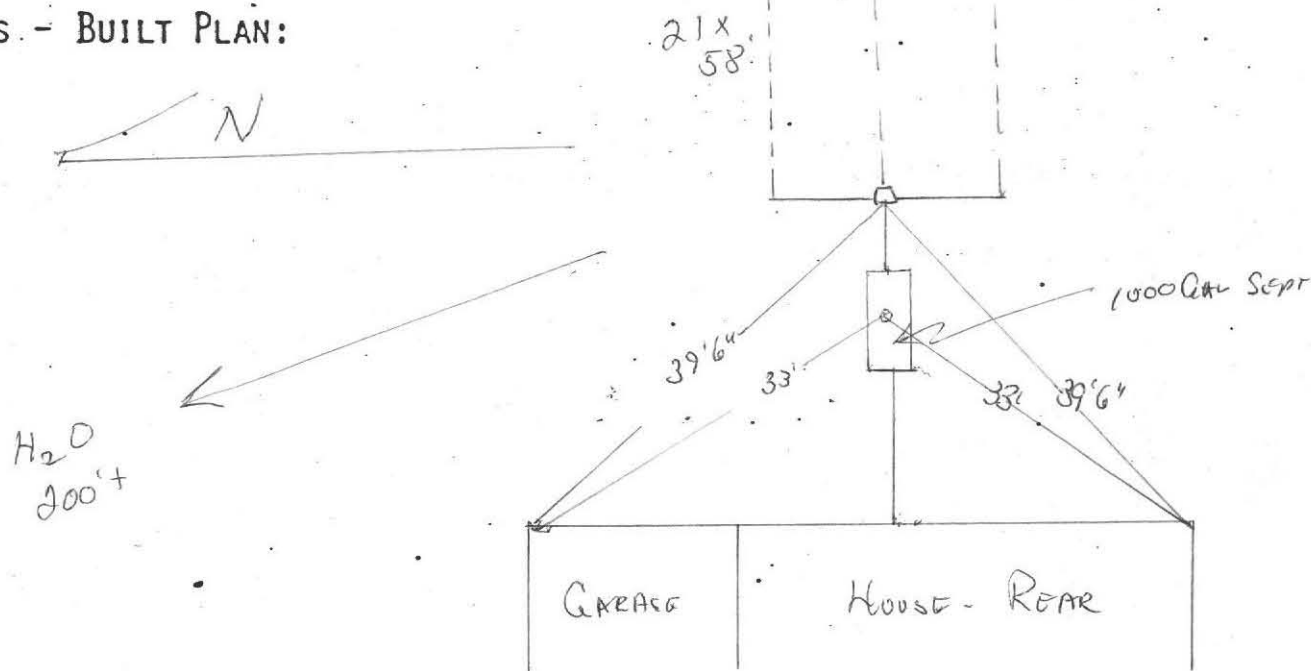
Date Installation Inspected and Approved JULY 6, 1987

Description of System: Tank Capacity: 1000

Leach Field ( ) Bed (X) Seepage Pit ( ) Square Feet: 1100

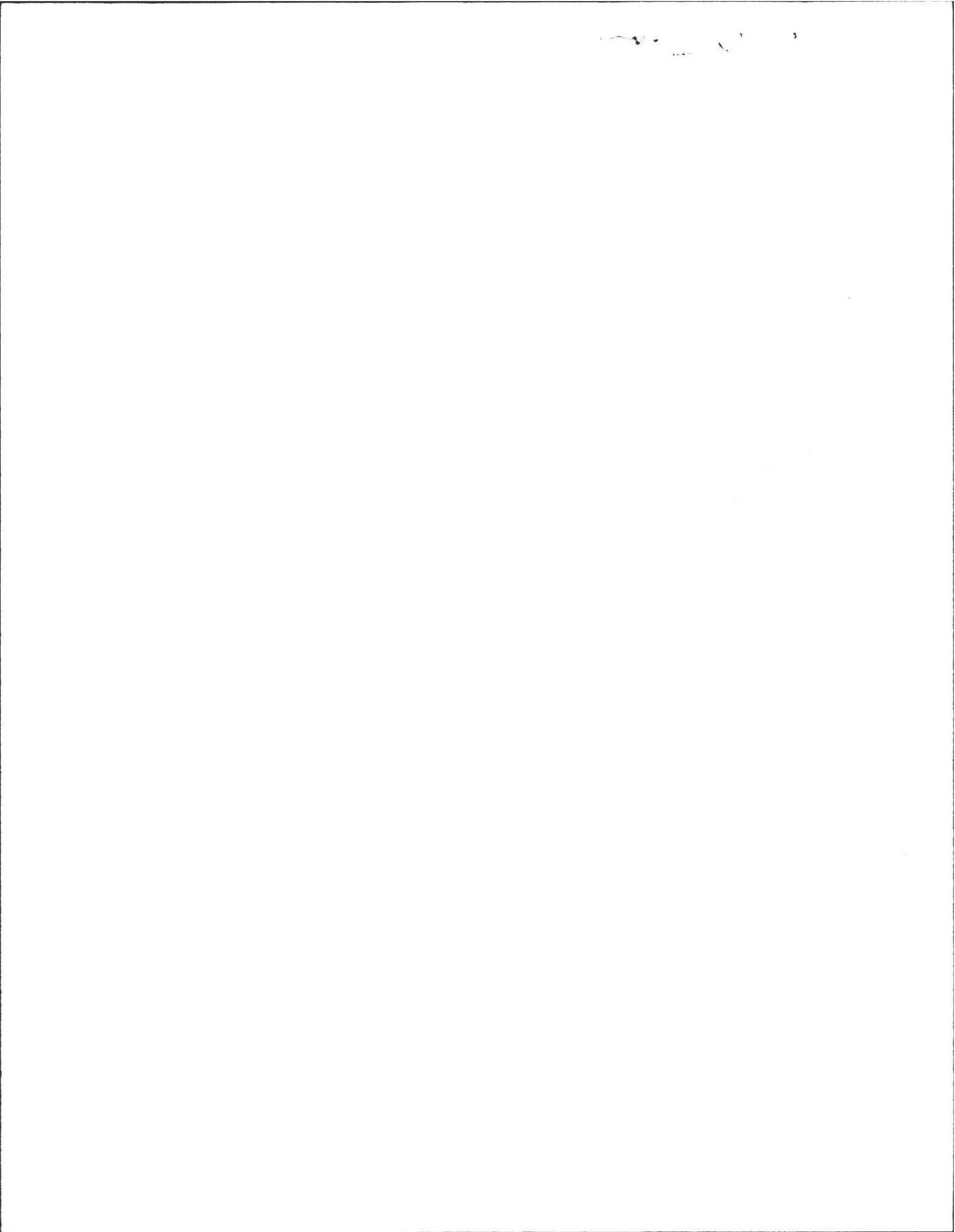
Garbage Grinder Yes ( ) No (X) No. Bedrooms: 4 No. People 8

AS - BUILT PLAN:

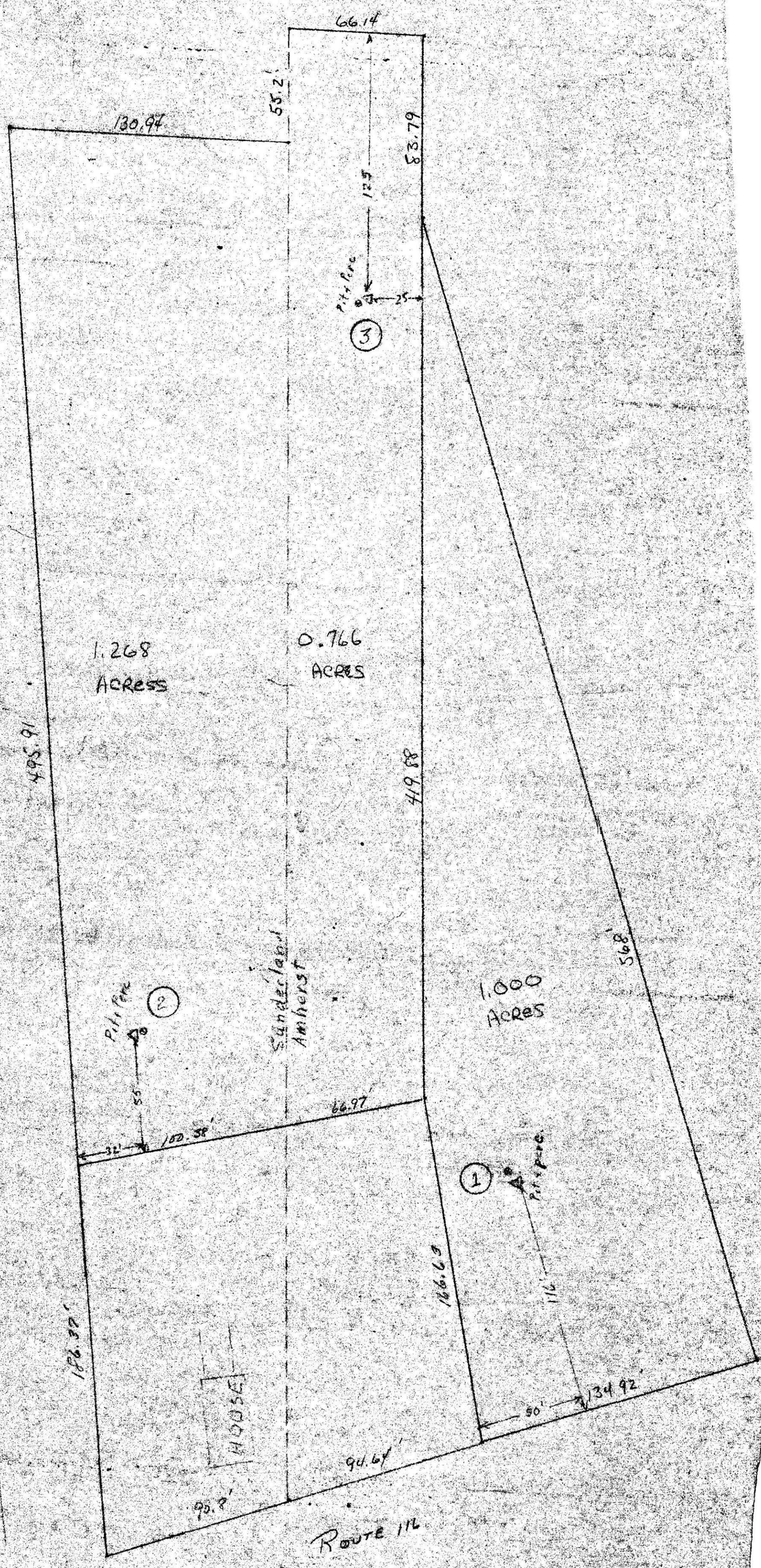
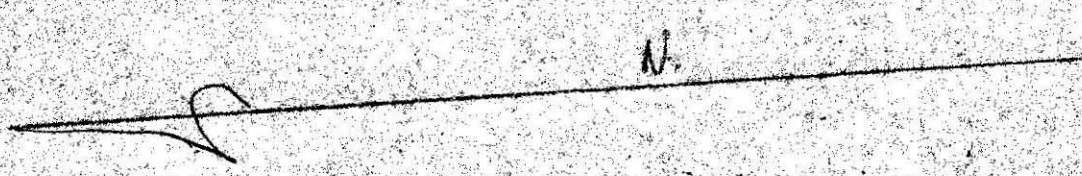


PROPER MAINTENANCE OF YOUR PRIVATE SEWAGE DISPOSAL SYSTEM

1. This system must be inspected periodically and the tank pumped out at an interval not to exceed 3 years.
2. For your protection sanitary pumpers are licensed by the Amherst Board of Health.
3. Regular pumping is crucial to avoid early failure and costly repairs of the system.
4. DO NOT dispose into the system such items as rags, string, sanitary napkins, coffee grounds as they can cause it to clog and fail.
5. Further information can be obtained by contacting your Health Department at 253-7077.







PERCOLATION TEST  
LOCATION  
For  
Robert T Duby  
RT 116 Sunderland  
Scale 1" = 40'  
Frederick Filios



# DEEP SOIL LOGS

OWNER Robt Duby

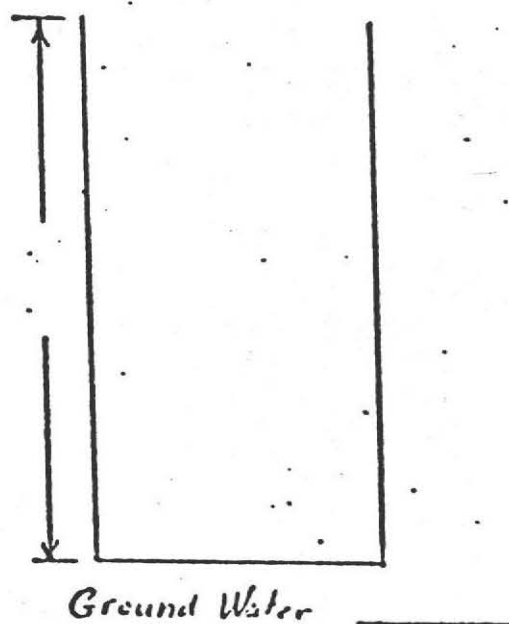
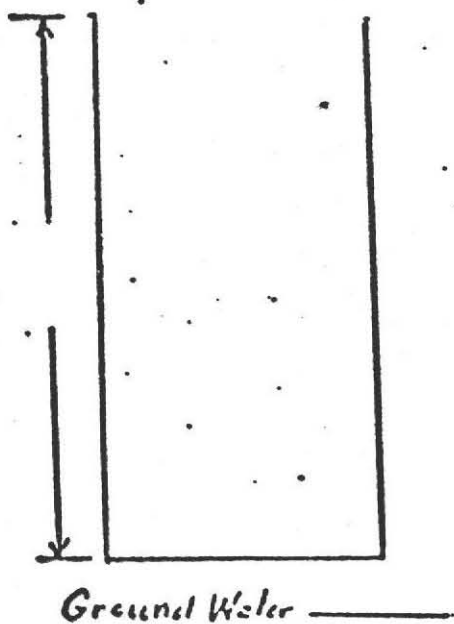
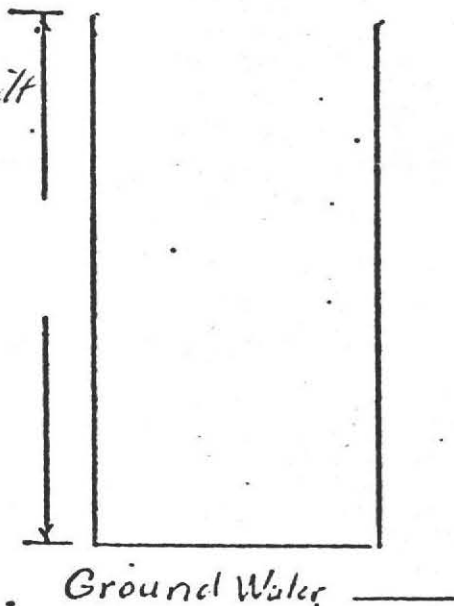
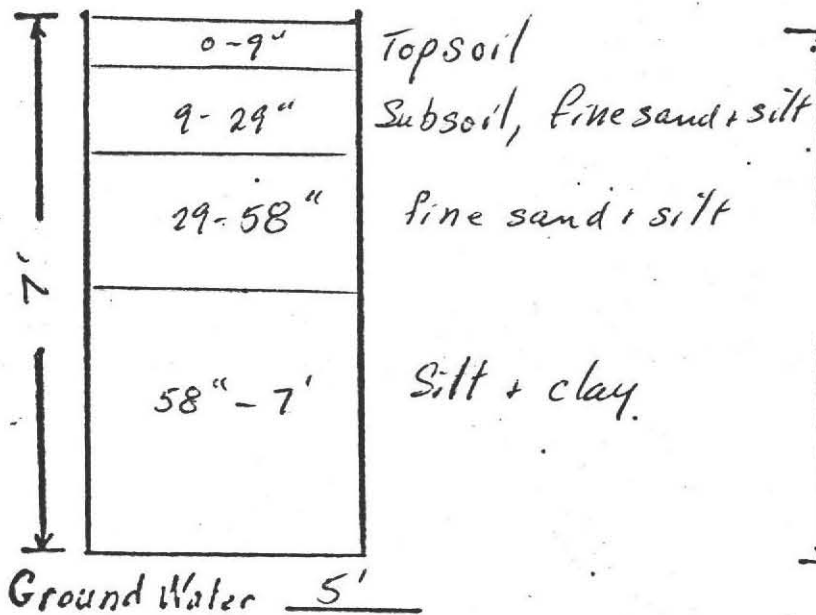
Date Apr. 30 1981

LOCATION Rt 116 Amherst

OBSERVER F.A. Filios

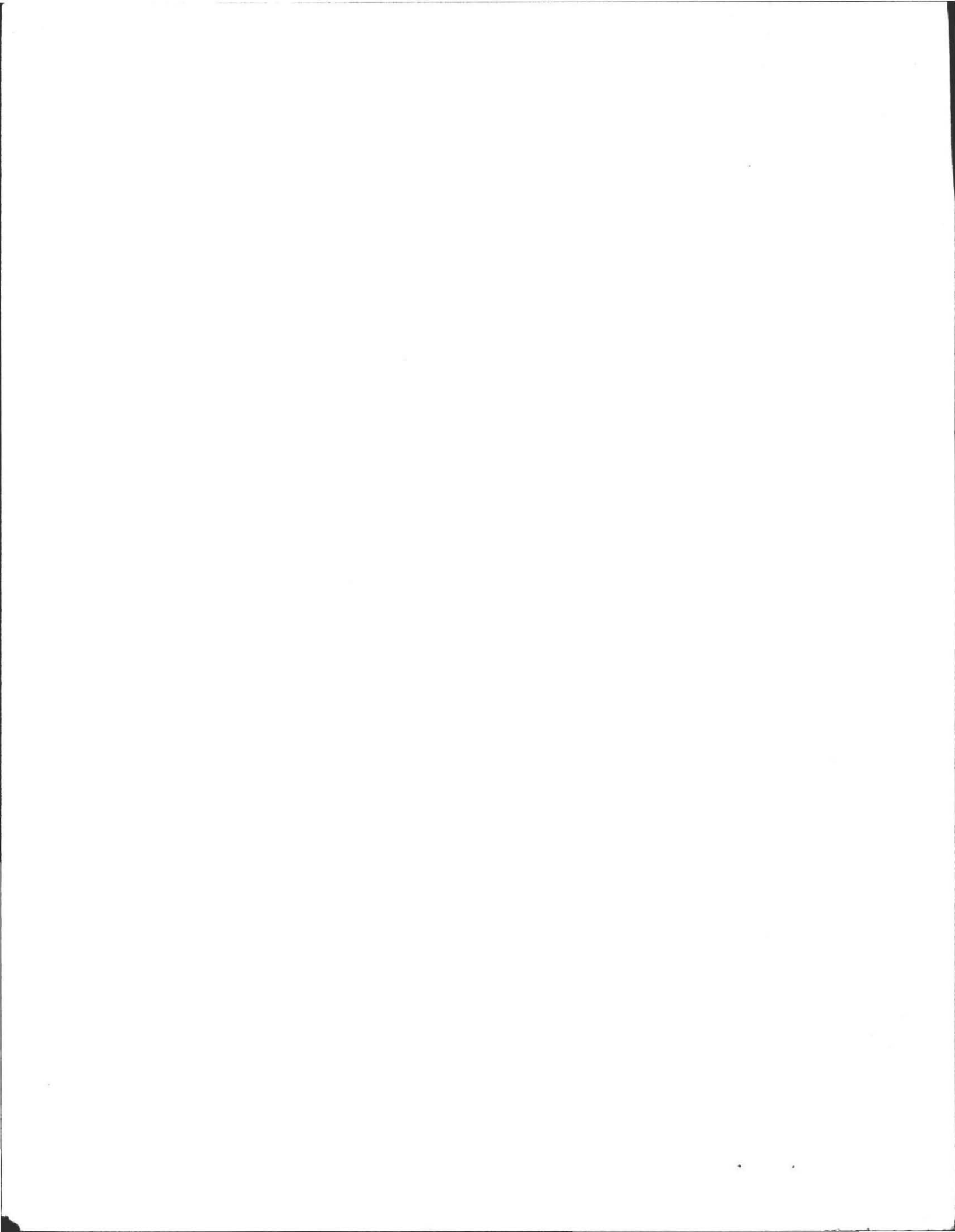
Soil

Perc 1



Percolation at 29"  
2 minutes/inch





# DEEP SOIL LOGS

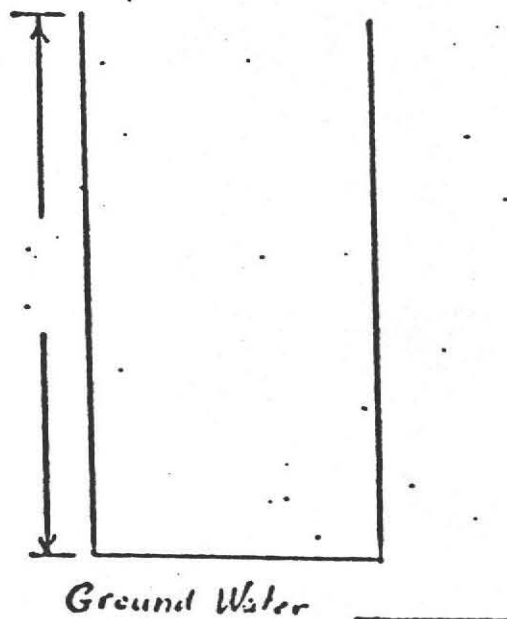
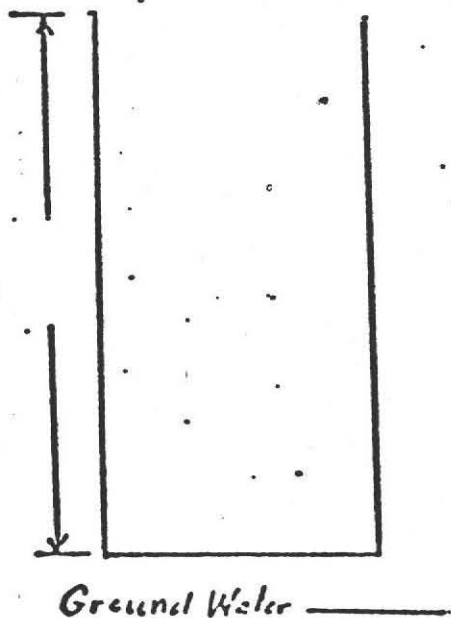
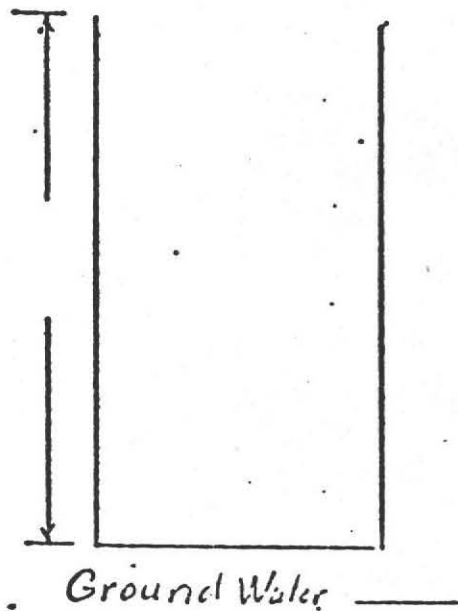
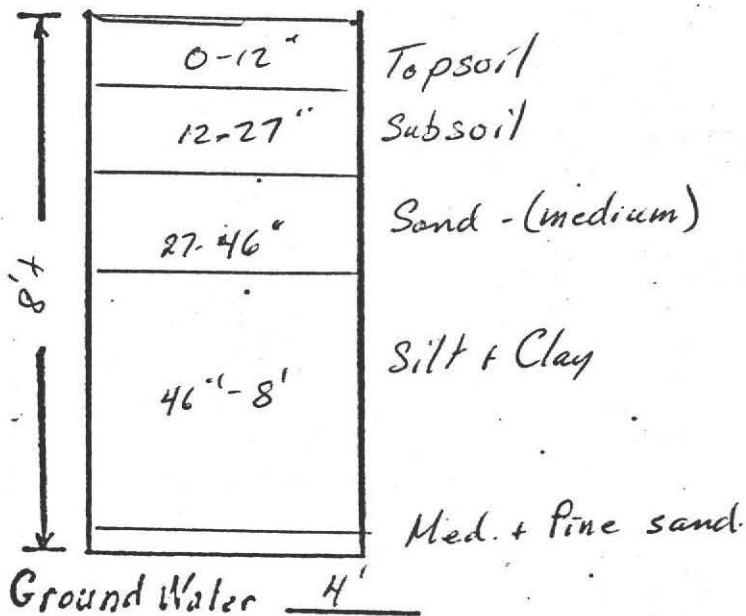
OWNER Robt Daby

Date Apr. 30 1981

LOCATION Rt 116 Amherst

OBSERVER FA Filios

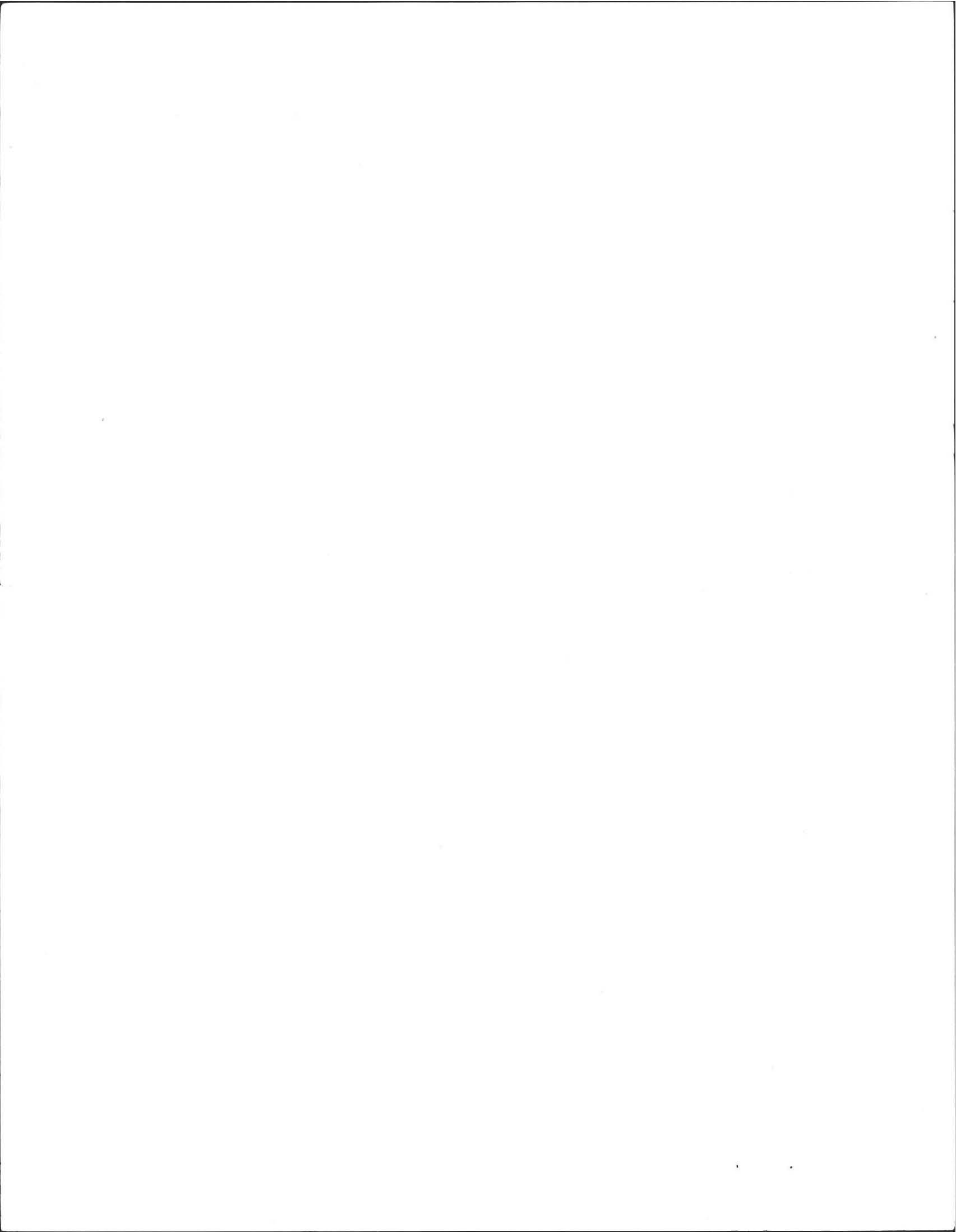
Soil Perc 3



Percolation at 29"

12 minutes/inch





No. 87-13

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 (X) or Repair ( ) an Individual Sewage Disposal System at:

Route 116, Lot 1, South Plain Rd, Sunderland, MA
Robert F. DUBY, Owner

Type of Building: Dwelling - No. of Bedrooms: 4, Expansion Attic ( ), Garbage Grinder ( ), Other - Type of Building: , No. of persons: , Showers ( ) - Cafeteria ( )

Design Flow: 55 gallons per person per day, Total daily flow: 440 gallons, Septic Tank: Liquid capacity 1000 gallons, Length 8.5', Width 5', Diameter: , Depth 5'4", Disposal Trench: No. 1, Width 18', Total Length 40', Total leaching area 720 sq. ft.

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 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: F.A. Filios, Date: Ap. 30, 1981, Application Approved By: , Date: , Application Disapproved for the following reasons: , Date:

Permit No. Issued Date

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

Town of Amherst

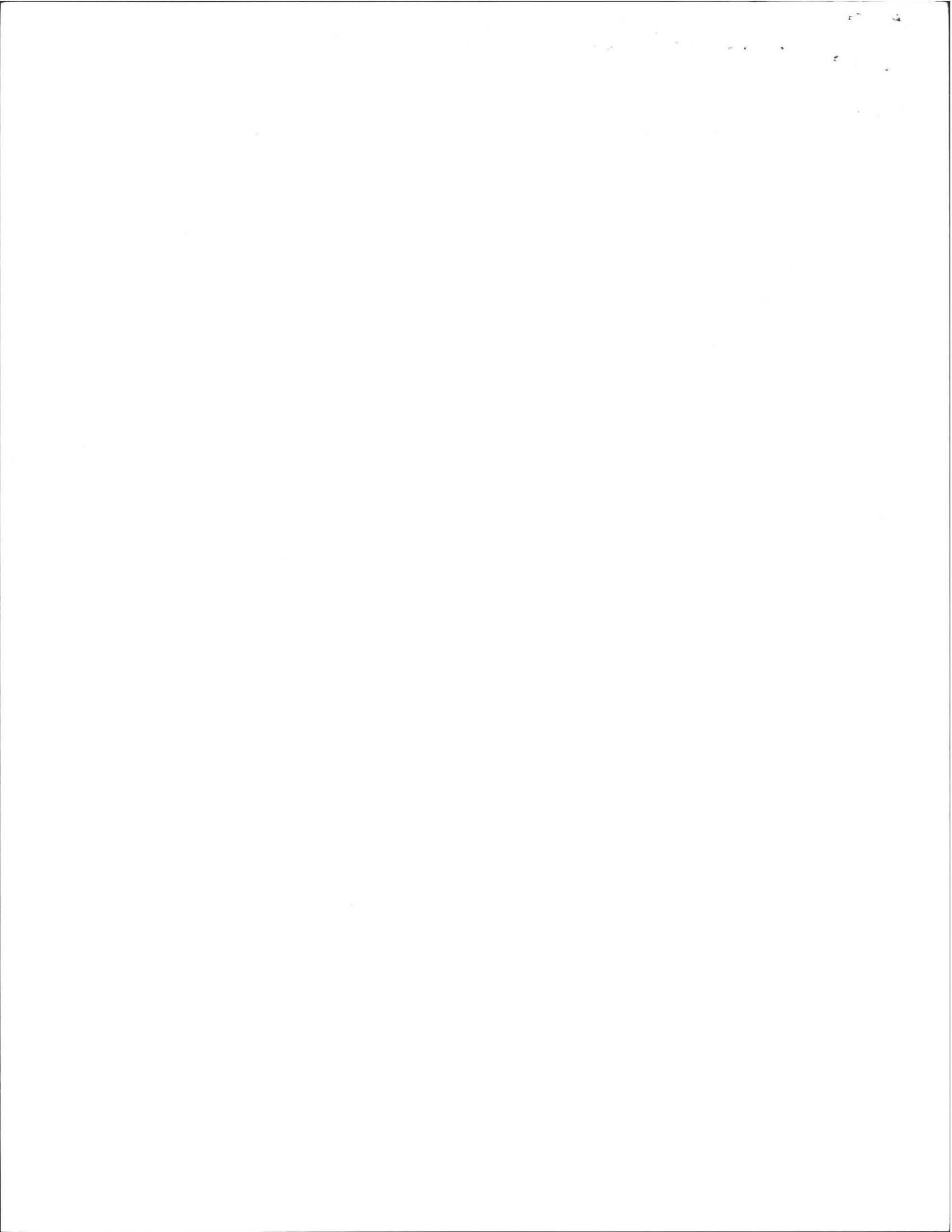
Certificate of Compliance

THIS IS TO CERTIFY, That the Individual Sewage Disposal System constructed (X) or Repaired ( ) by Robert DUBY, Installer at Route 116 Lot 1 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. dated

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

DATE Inspector

CHECK OR FILL IN WHERE APPLICABLE



# DEEP SOIL LOGS

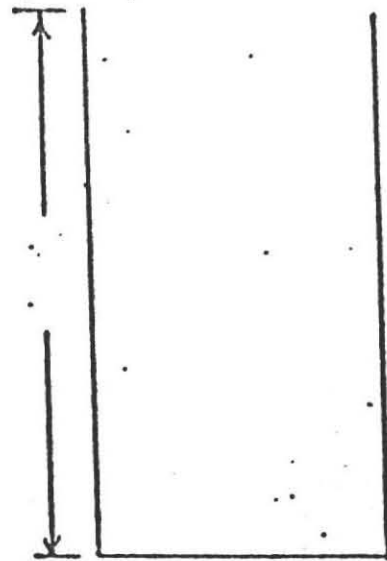
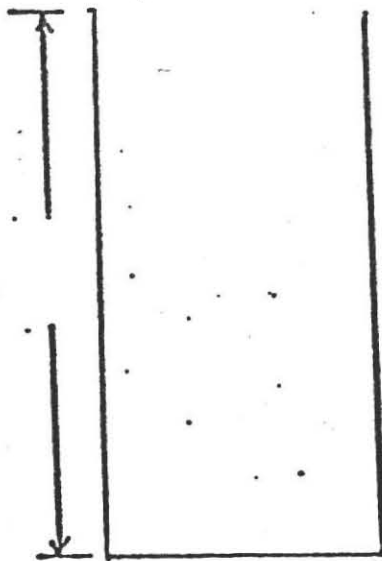
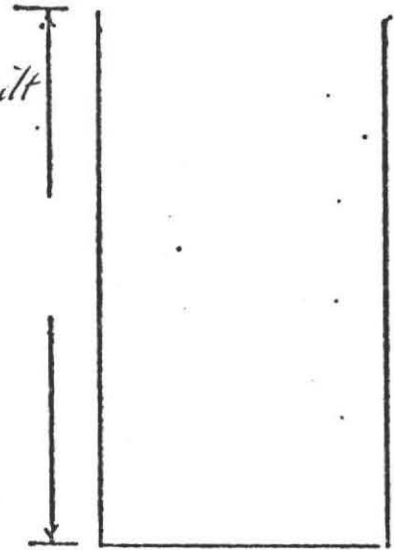
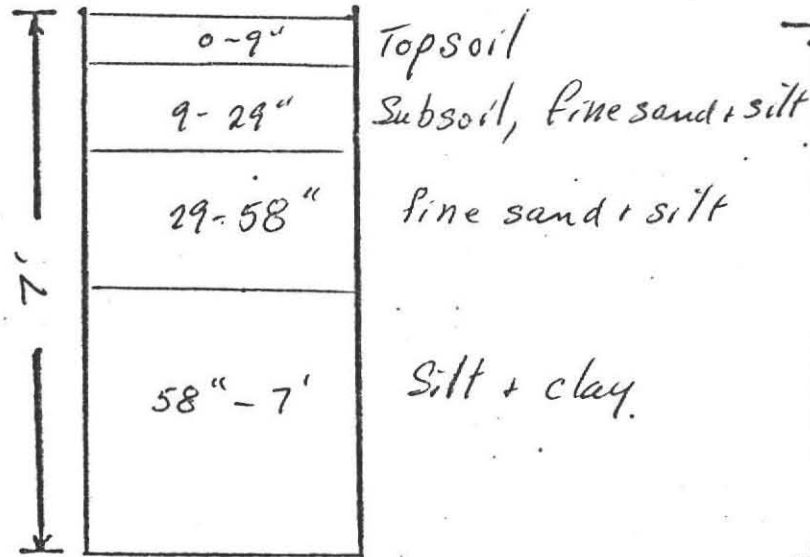
OWNER Robt Duby

Date Apr. 30 1981

LOCATION RT 116 Amherst

OBSERVER F.A. Filios

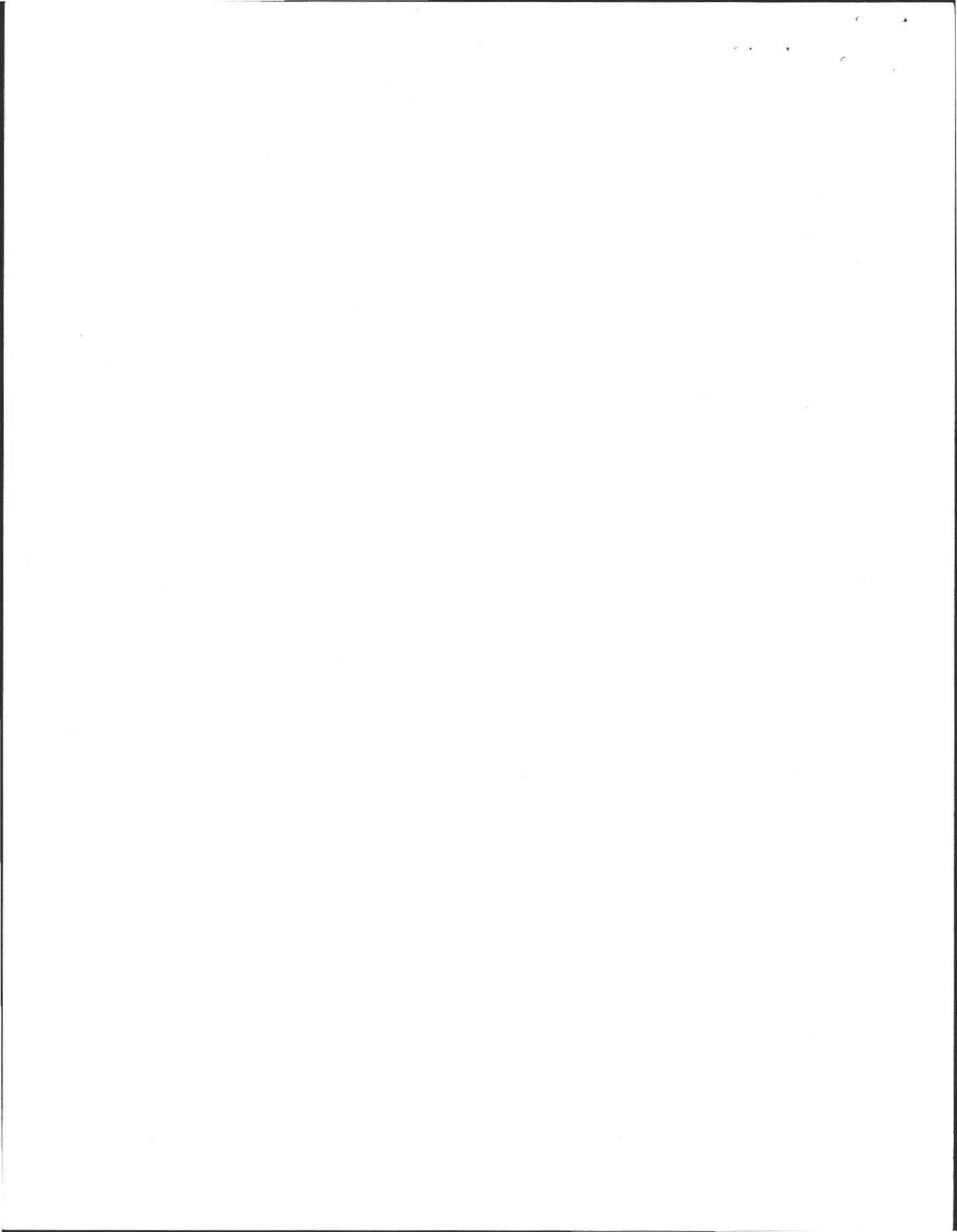
Soil Perc 1



Percolation at 29"  
2 minutes/inch



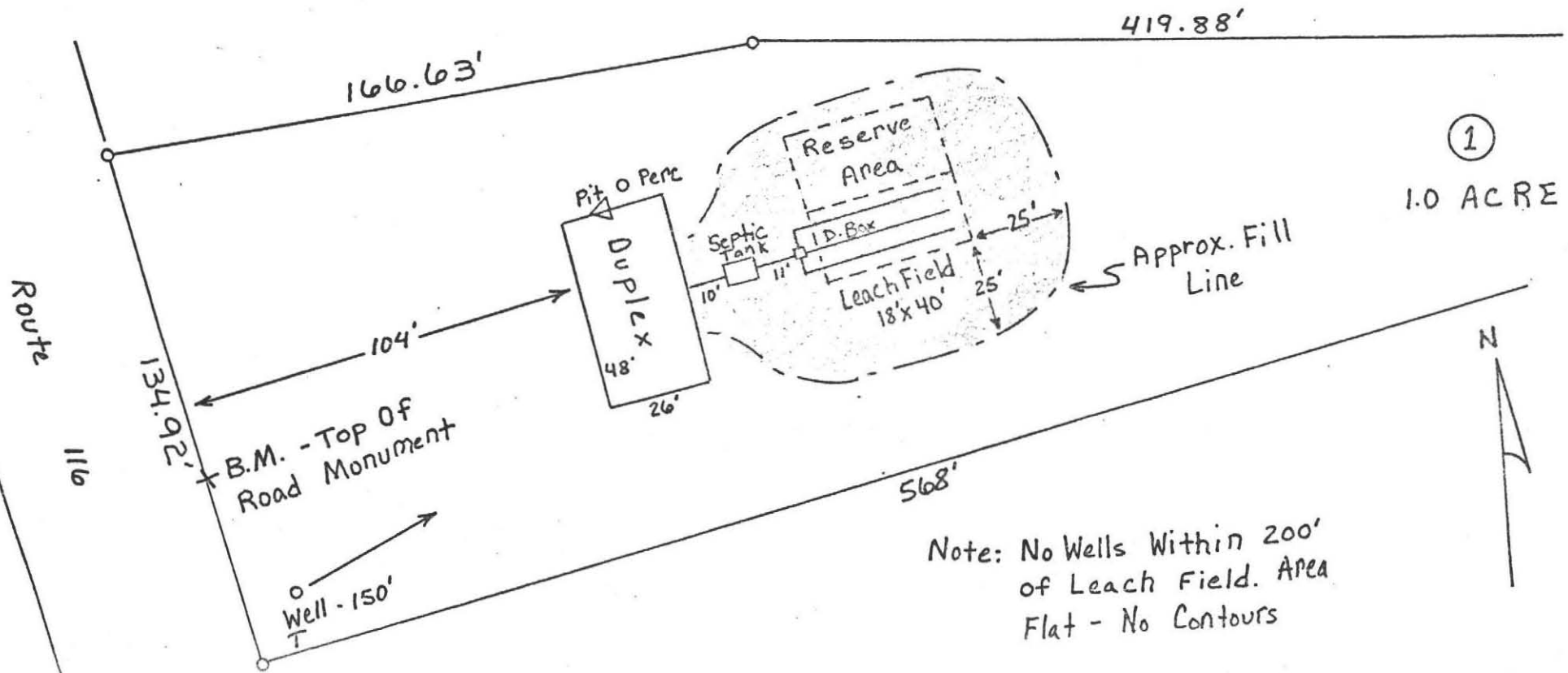


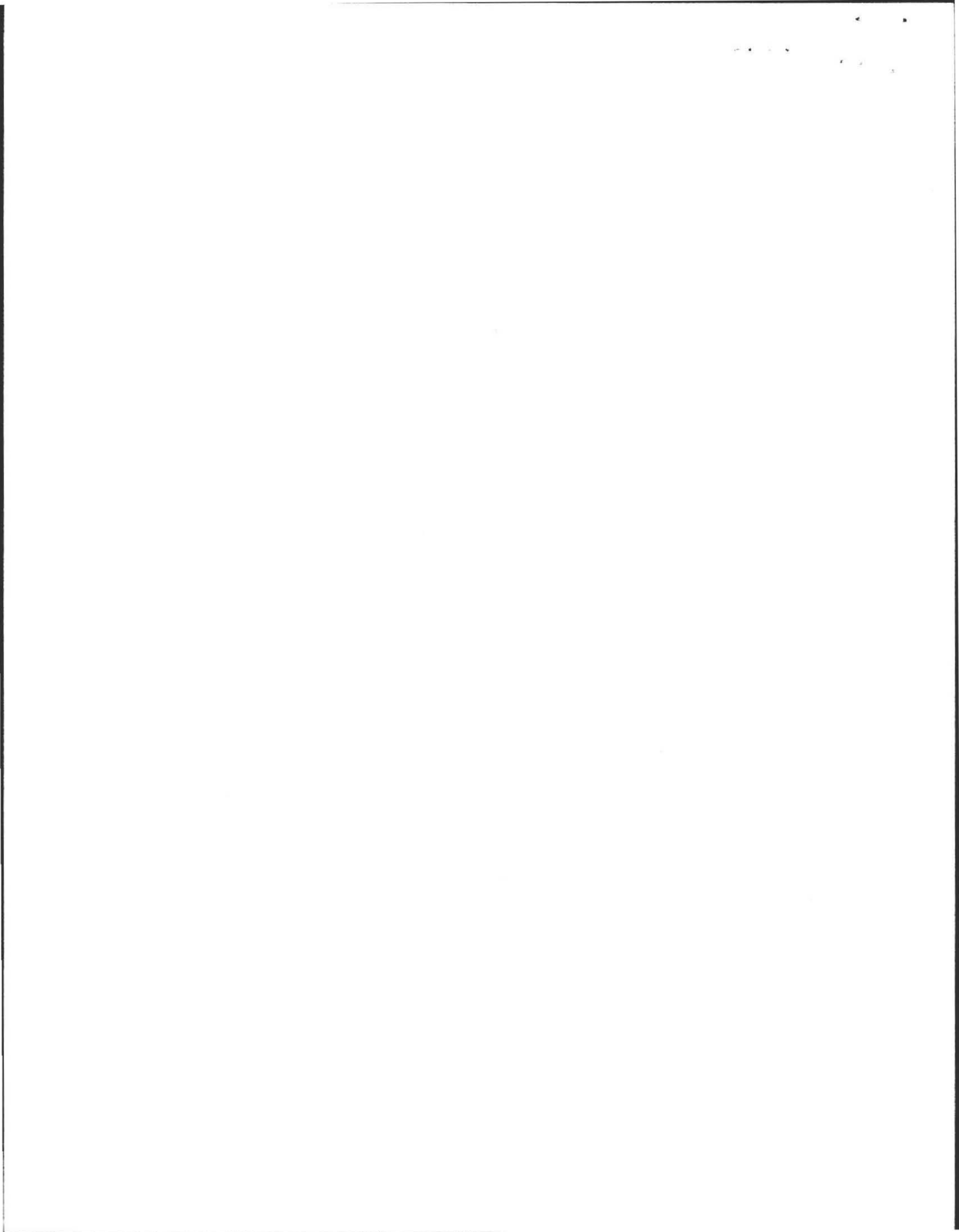


# PLAN SHOWING SEWAGE DISPOSAL

For: Robert DUBY  
Route 116  
Sunderland, MA.  
Scale: 1" = 40'

BY: Frederick A. Filios  
Rev. May 9, 1987  
R.W.S.  
Site: Route 116, Amherst, MA

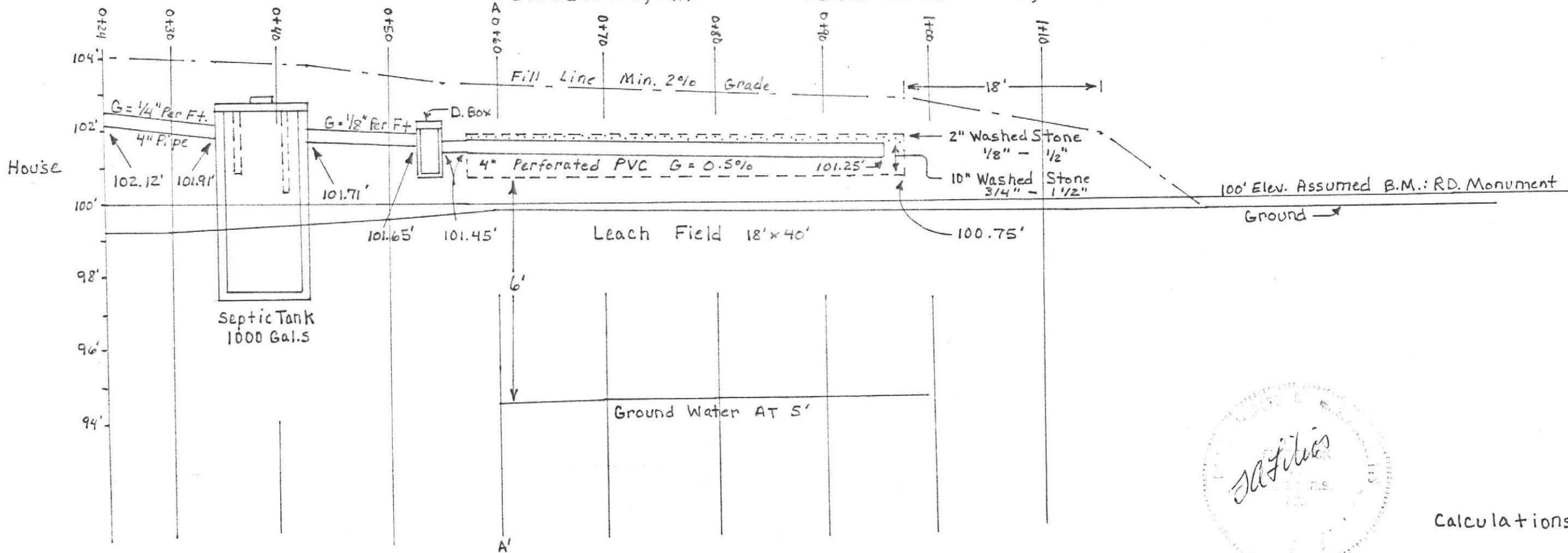




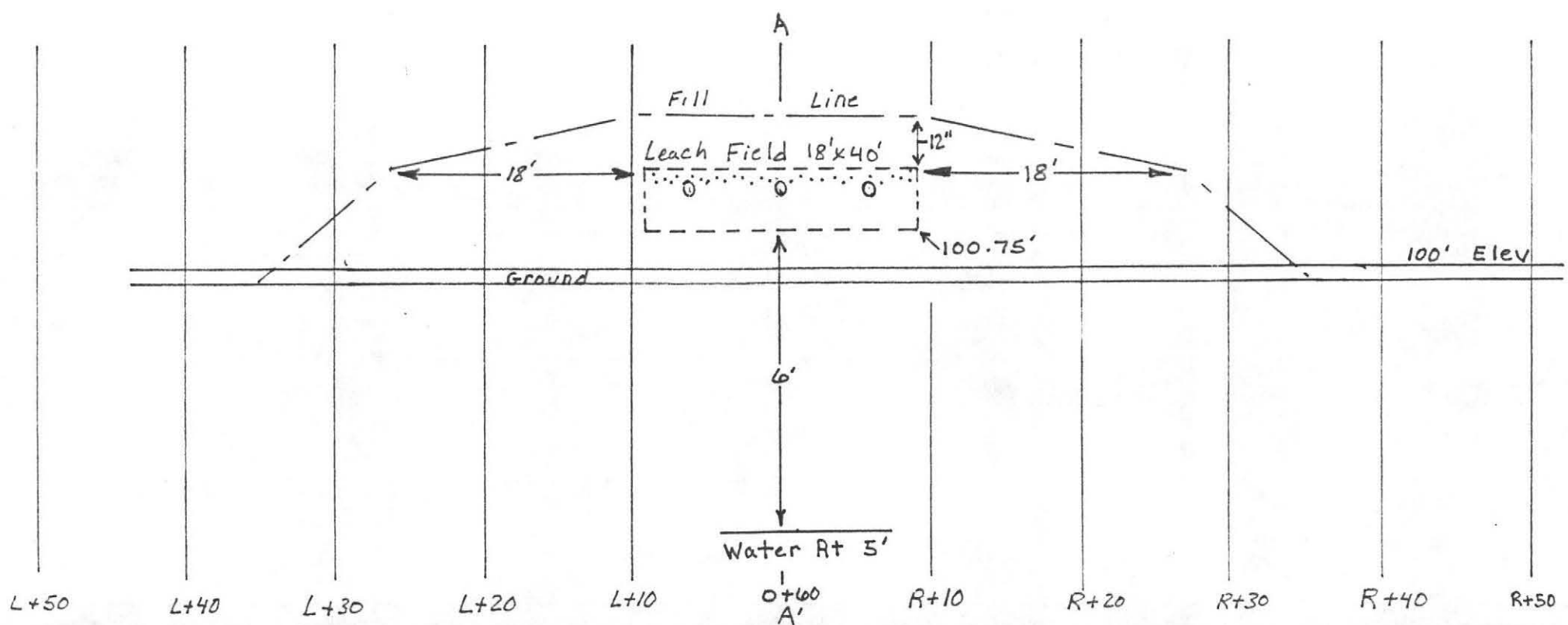
# PROFILE OF SEPTIC SYSTEM

FOR: ROBERT DUBY  
ROUTE 116  
SUNDERLAND, MA.

BY: FREDERICK FILIOS  
Rev. MAY 7, 1987 R.W.S.  
SCALE: HORIZ. 1" = 10' VERT. 1" = 3'



CROSS-SECTION AT A-A' 0+60



## Calculations

Demand: 4 Bedrooms @ 110 Gal.s = 440 Gal.s  
 Perc Rate: 2 Min.s/In. Soil Loading 1.0 Gal./S.F.  
 Leach Area: 18' x 40' = 720 S.F.  
 $720 \text{ ft}^2 \times 1.0 \text{ Gal./S.F.} = 720 \text{ Gal.s Available}$

## SPECIFICATIONS

All Materials And Construction Will Be In Accordance With Comm. Of Mass. State Environmental Code Title 5.

