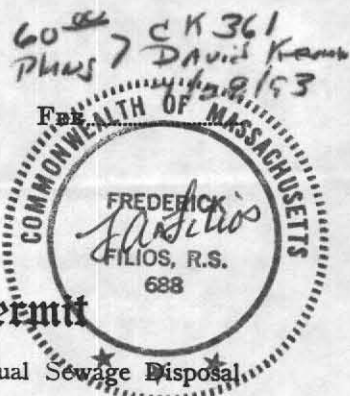


#18



No. 93-11

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:

18 Teaberry Lane Location - Address Lot #125
Philip Shumway Owner 25 Mt. Polley Dr, Amherst MA Address

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

Design Flow 5.5 gallons per person per day. Total daily flow 440 x 1.25 = 550 gallons.
Septic Tank - Liquid capacity 1500 gallons Length 10.5' Width 5.0' Diameter Depth 4.0'
Disposal Trench - No. Width 11' Total Length 23' Total leaching area 122.4 sq. ft. side
Seepage Pit No. 1 Diameter Depth below inlet Total leaching area 253 sq. ft. bottom

Percolation Test Results Performed by Bill S... Date 3/27/96
Test Pit No. 1 2 minutes per inch Depth of Test Pit 14' Depth to ground water None
Test Pit No. 2 minutes per inch Depth of Test Pit 14.5' 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 Michael Montuono for Philip Shumway, July 28, 1993
Application Approved By David Zuzunski for Amherst Health Dept. 7/30/93

Application Disapproved for the following reasons:

Permit No. 93-11 Issued 7/30/93 Date

David L. Veann

Paul J. Filios 30 Nov 93

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

at Lot 125 Teaberry Lane Installer
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. 93-11 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

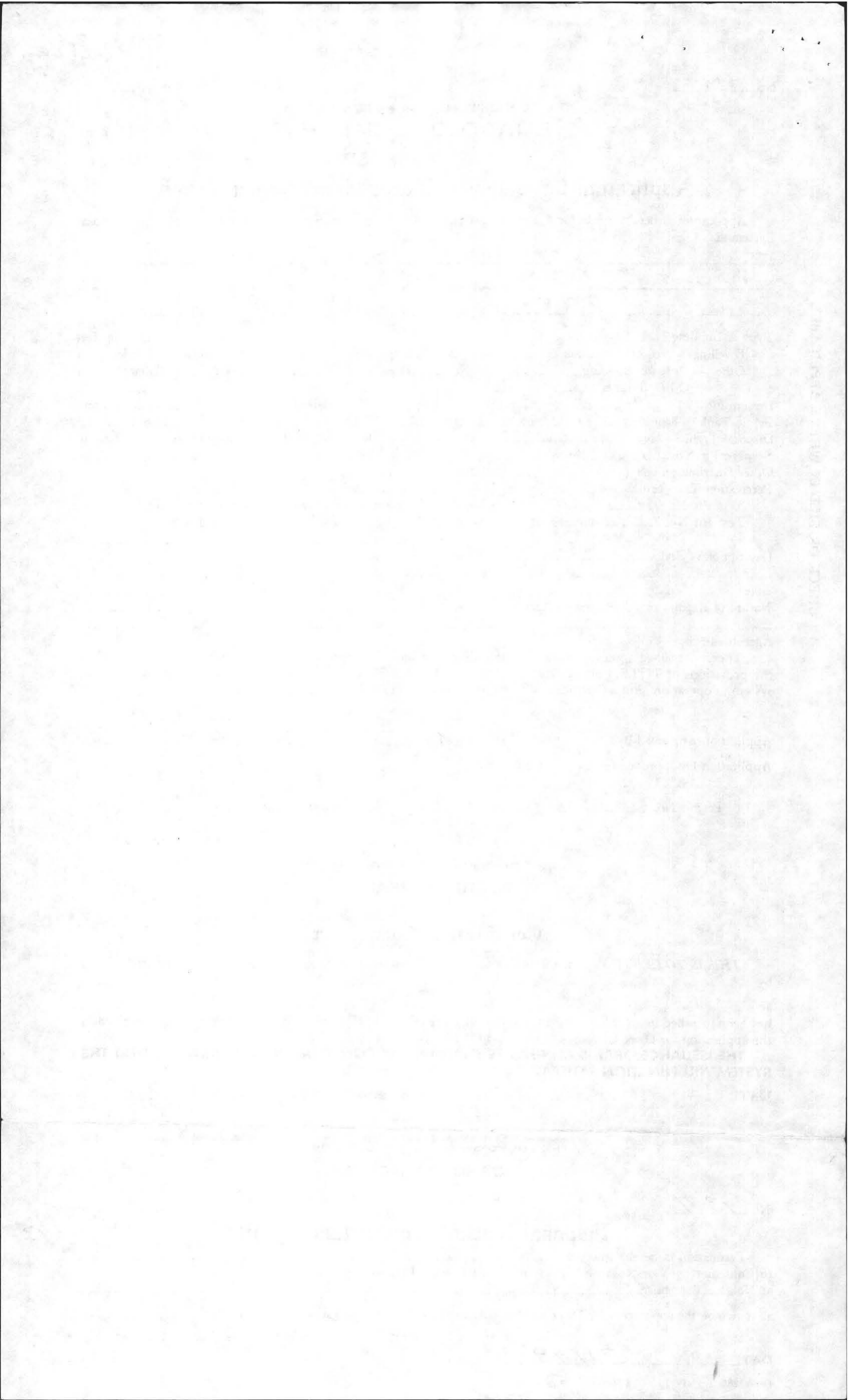
Permission is hereby granted to Construct (✓) or Repair () an Individual Sewage Disposal System at No. Lot 125 Teaberry Lane

as shown on the application for Disposal Works Construction Permit No. 93-11 Dated

DATE 7/30/93 Board of Health David Zuzunski for Amherst Health Dept.

FEE 60 plus 7/28/93

CHECK OR FILL IN WHERE APPLICABLE



0/21/ Keenan Const. 10/11
100 sq. ft. C4
Perme Test

TOWN OF AMHERST

PERC TEST DATA SHEET

DATE 3/27/90 LOCATION Teaberry Lane Lot 125 LOT SIZE _____

OWNER Jeff Flower ADDRESS _____ TELE # _____

P.E./RS Bill Staruta FIRM Bill's Staruta Est. OBSERVED BY David Zamboni

BACK HOE OPERATOR T. Likens BENCH MARK _____

PERC DEPTH 84" PRE SOAK TIME 9:14 PERC DEPTH 60" PRE SOAK TIME 9:30

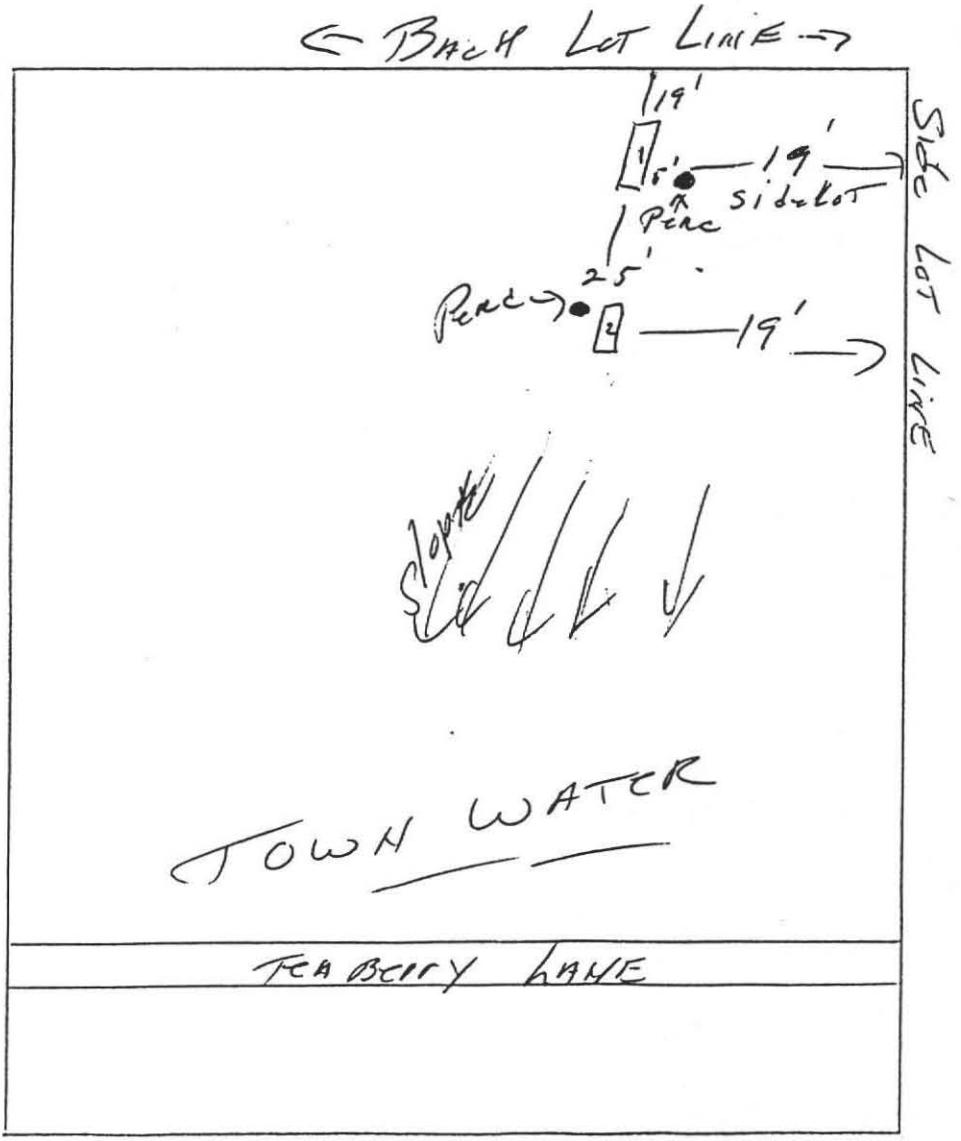
TEST	<u>12" 9:19</u>	<u>9:30 12"</u>
	<u>9" 9:20</u>	<u>9:31 9"</u>
	<u>6" 9:21</u>	<u>9:32 6"</u>

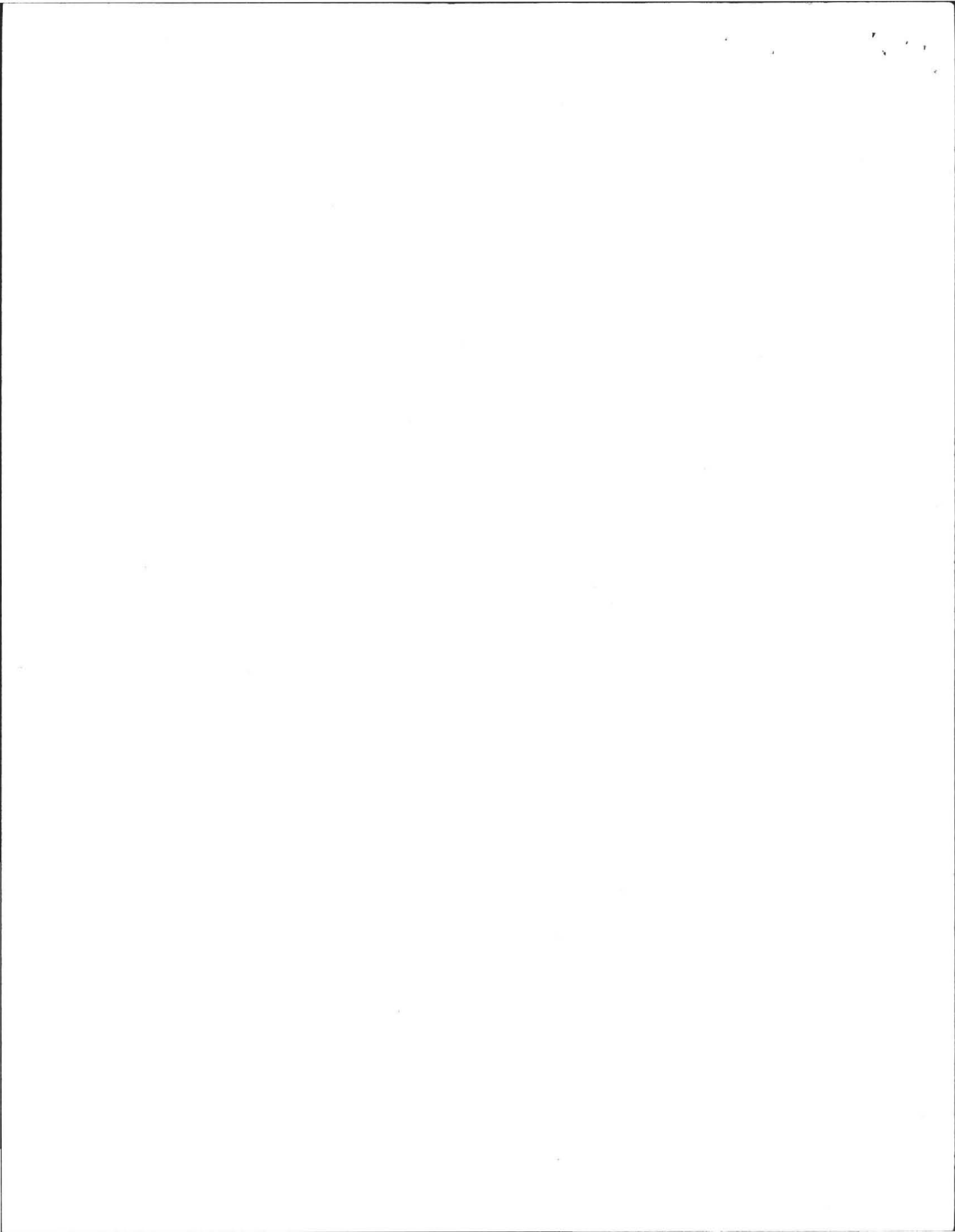
RATE (2) RATE (2)

#1	#2
TOP 3"	TOP 3"
SUB 16"	SUB 16"
Coarse sand + gravel	Coarse sand + gravel
Dry 14'	Dry 14'6"

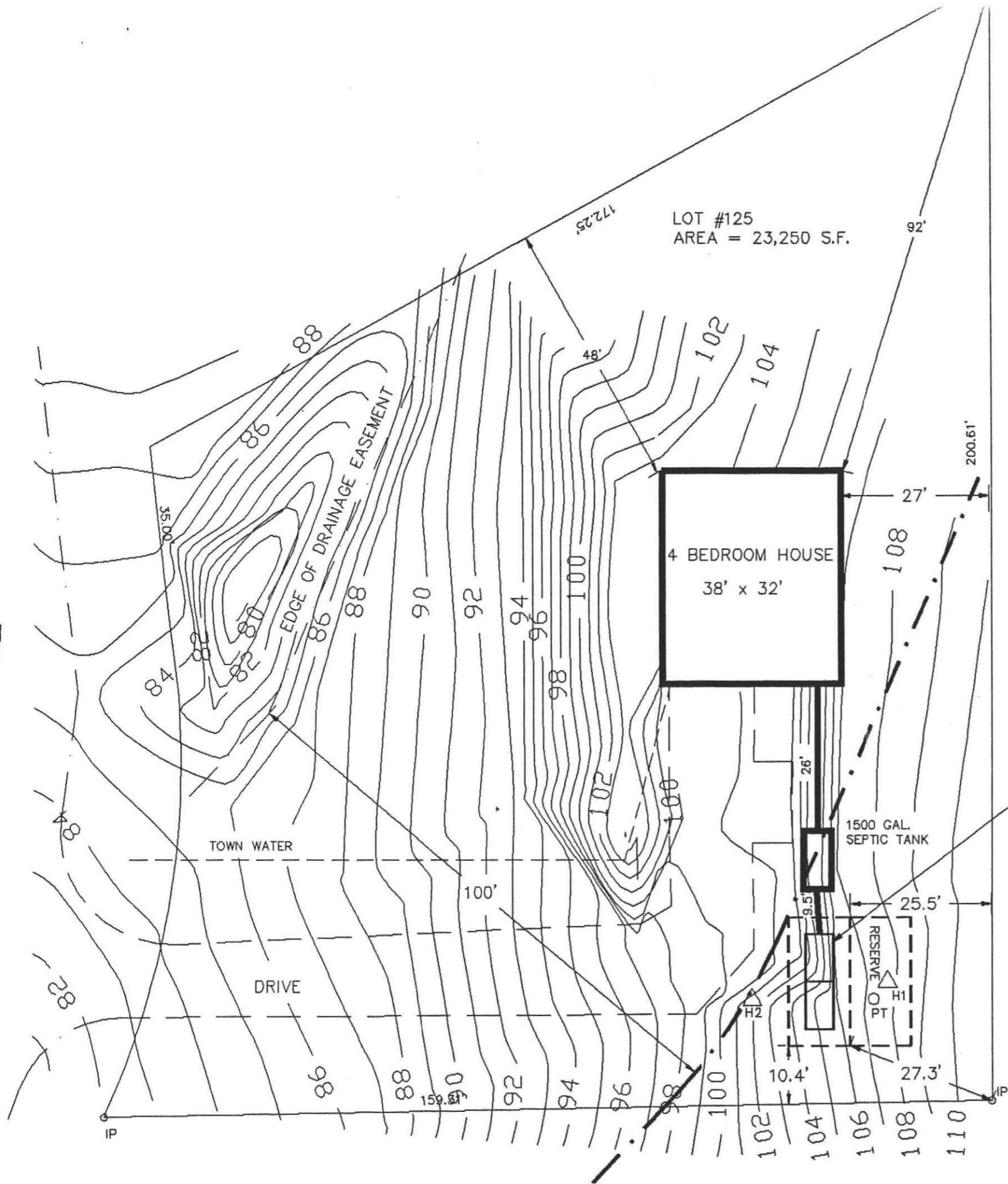
TOP	TOP
SUB	SUB

TOP	TOP
SUB	SUB





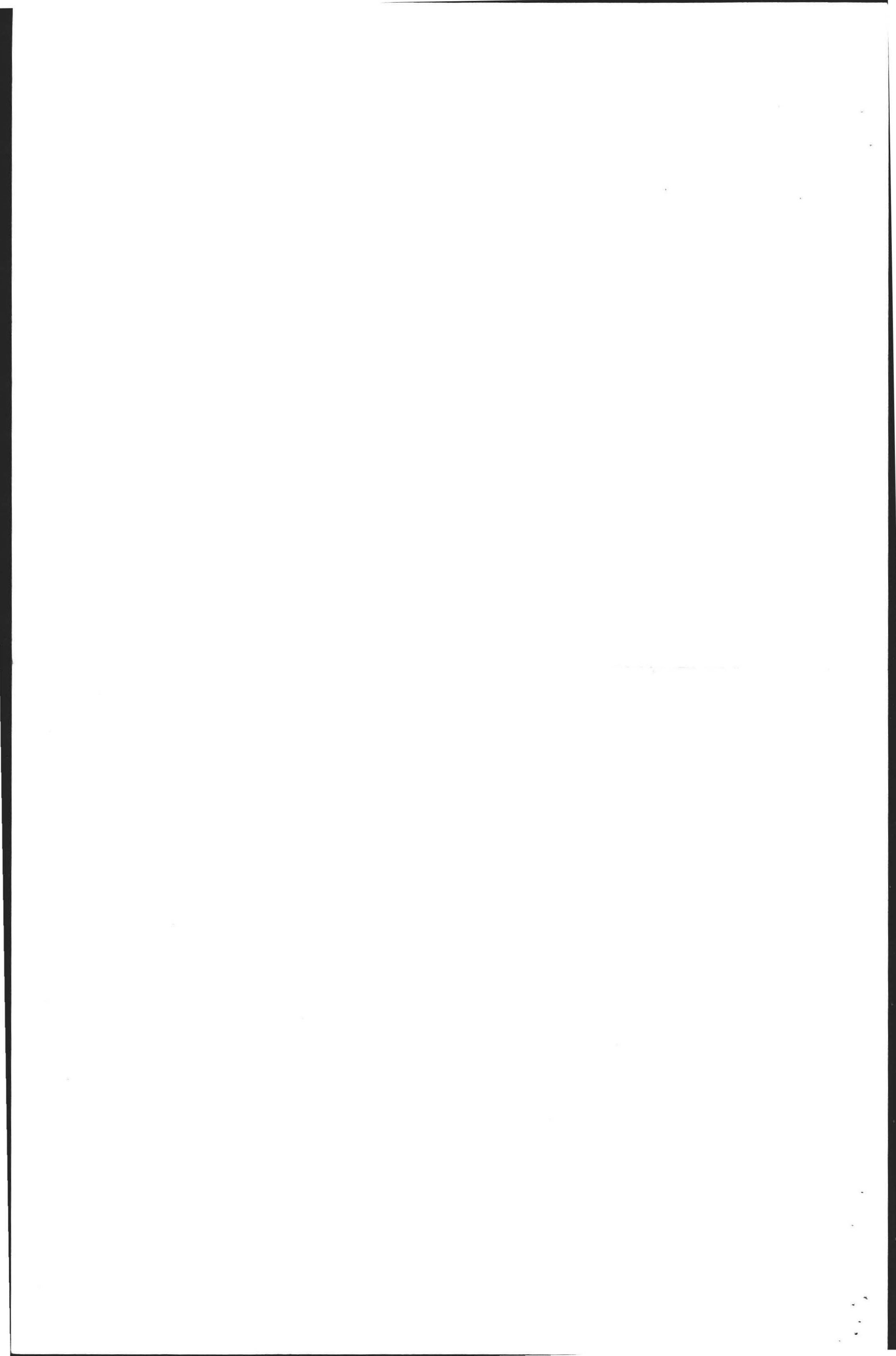
TEABERRY LANE

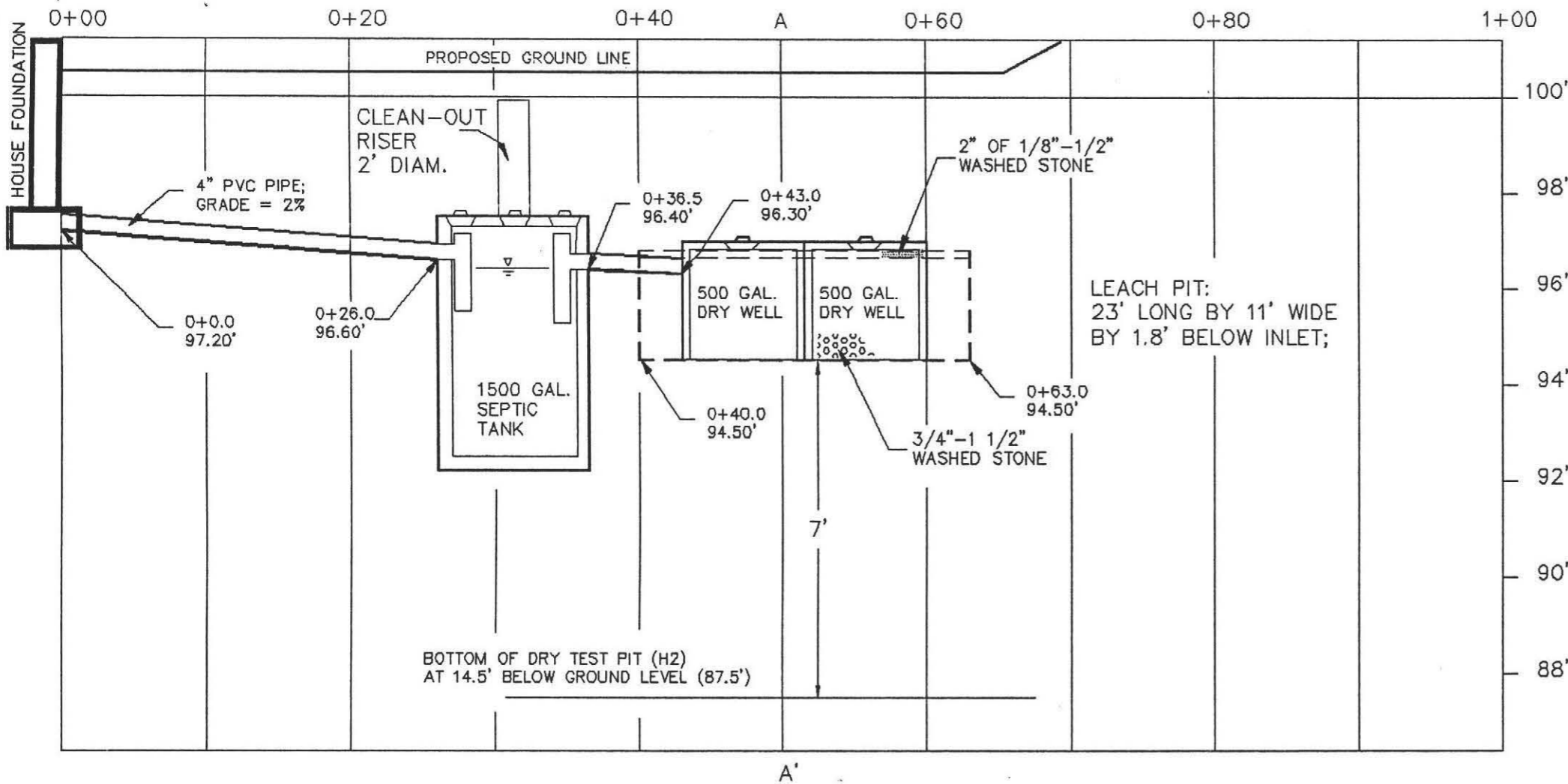


LEGEND	
○	PT PERCOLATION TEST
△	Hx DEEP TEST PIT
~	CONTOUR LINES (1' INTERVAL)

NOTES:	
1.	TBM IS NAIL IN 6" OAK.
2.	NO OTHER WELLS WITHIN 200' OF THE LEACH AREA AT THE TIME OF SURVEY.

PLAN OF SEWAGE DISPOSAL SYSTEM	
AT: LOT #125, TEABERRY LANE, AMHERST, MA	
BY: FILIOS ENTERPRISES, INC. 89 PELHAM RD. AMHERST MA 01002 (413)256-8008	FOR: PHILIP SHUMWAY 25 MR. POLLUX DR. AMHERST, MA 01002
DRAWN BY: P. FILIOS	SCALE: 1" = 20'
22 JUNE, 1993	PAGE 1 OF 2



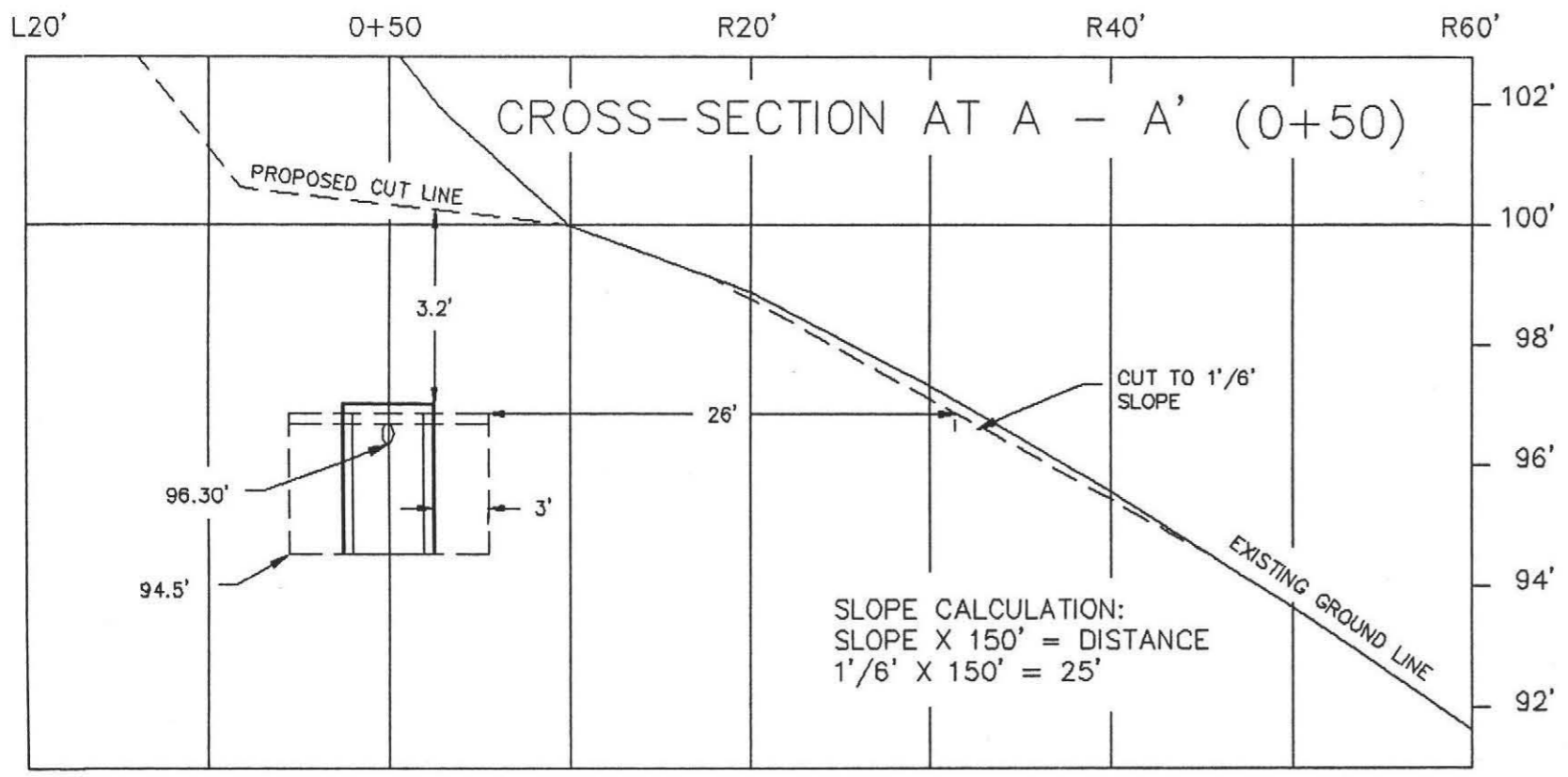


100' Elevation Assumed at TBM. TBM is nail in base of 6" Oak as shown on Plan view.

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

Construction Notes

1. Septic tank should be inspected and pumped annually.
2. Inlet and outlet tees must extend 10" and 14" below the flow line respectively.



CALCULATIONS

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

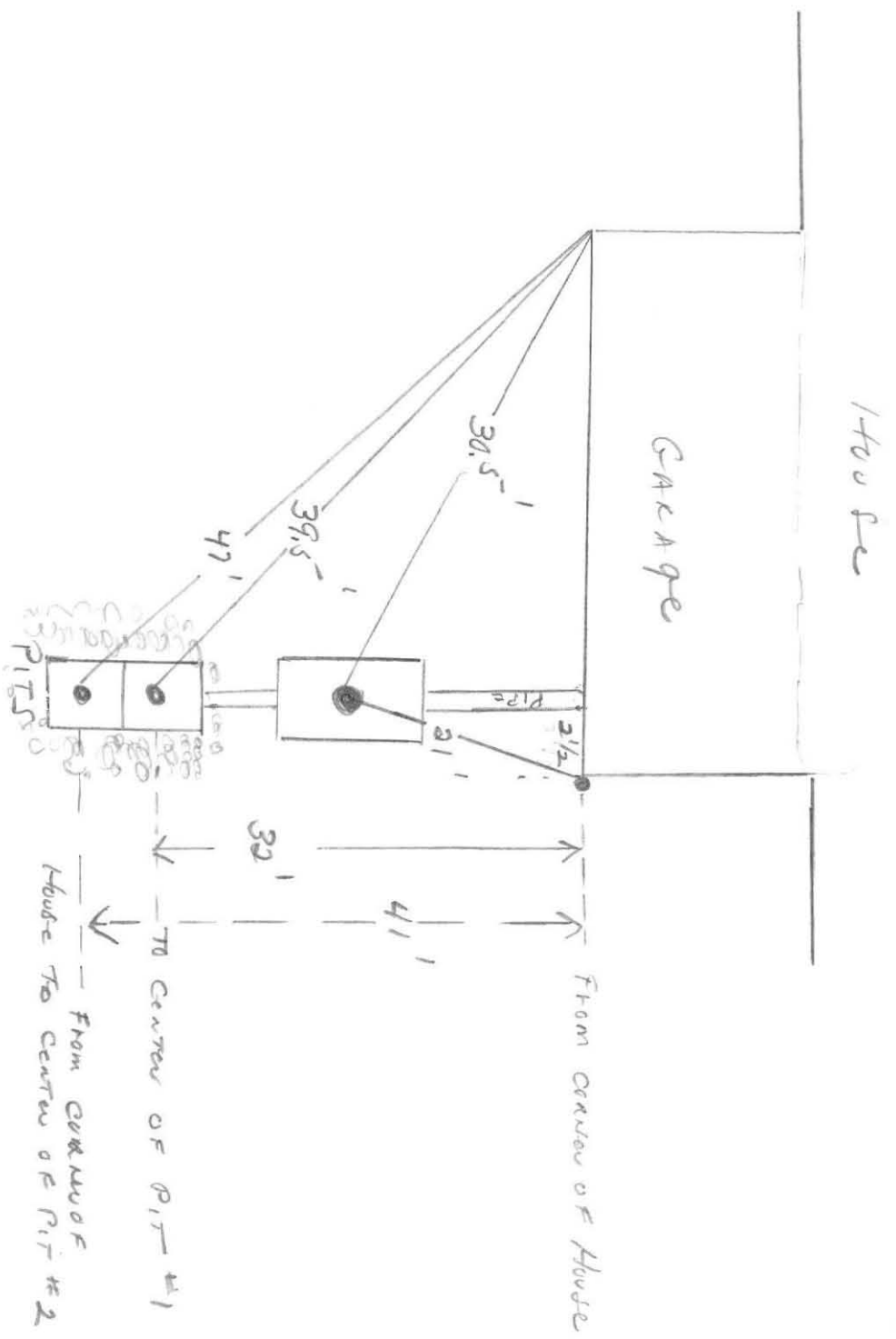
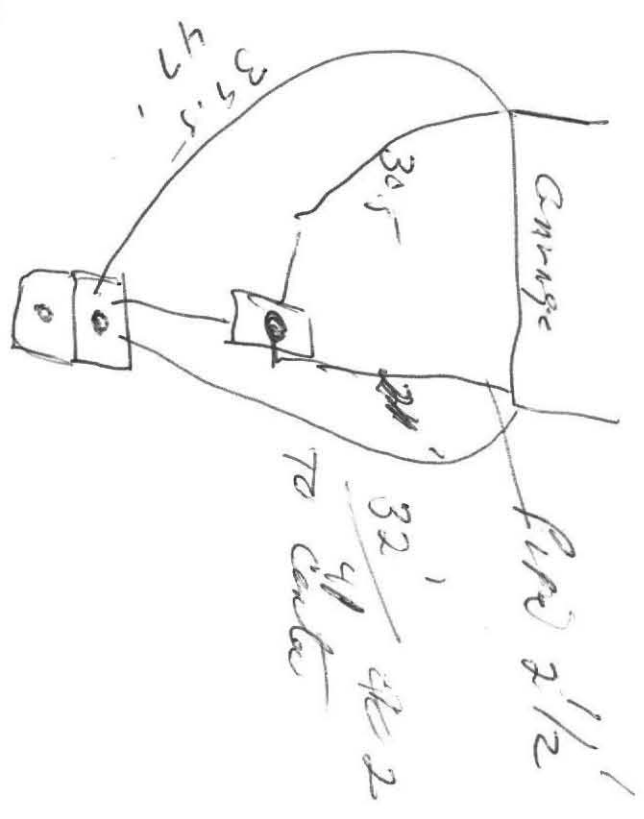
DESIGNED: 1 leach pit 23.0'L X 11.0'W X 1.80' below inlet (effective depth), for a perc rate of 2 min./in., yielding side and bottom loading factors of 2.50 and 1.00 gal./sq.ft. respectively.

SIDEWALL: (23.0' + 11.0')2 X 1.8' X 2.50 Gal./Sq.ft. = 306.0 Gal.
 BOTTOM: (23.0' X 11.0')1.00 Gal./Sq.ft. = 253.0 Gal.
 TOTAL = 559.0 Gal.



PROFILE OF SEWAGE DISPOSAL SYSTEM	
AT: LOT #125, TEABERRY LANE, AMHERST, MA	
BY: FILIOS ENTERPRISES, INC. 69 PELHAM RD. AMHERST MA 01002 (413)256-8008	FOR: PHILIP SHUMWAY 25 MT. POLLUX DR. AMHERST, MA 01002
DRAWN BY: P. FILIOS 22 JUNE, 1993	SCALE: 1" = 10' HOR. 3" VER. PAGE 2 OF 2

~~NO SINK UNDER PIT~~
 Elevation .97 to low
 Length 20.5' — must be 23'
 4' x 6' cut (04)
 D.M. DEARY USE SIX FEET
 CLEAN-OUT RISER



DEC 1 1993

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

Date: Nov. 30 1993.

Name: Philip Shumway,
Address: 25 MT Pollux Drive
Amherst Mass. 01002

Dear Mr Shumway,

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

AT: Lot # 125
Teaberry Lane
Amherst, Mass. 01002

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

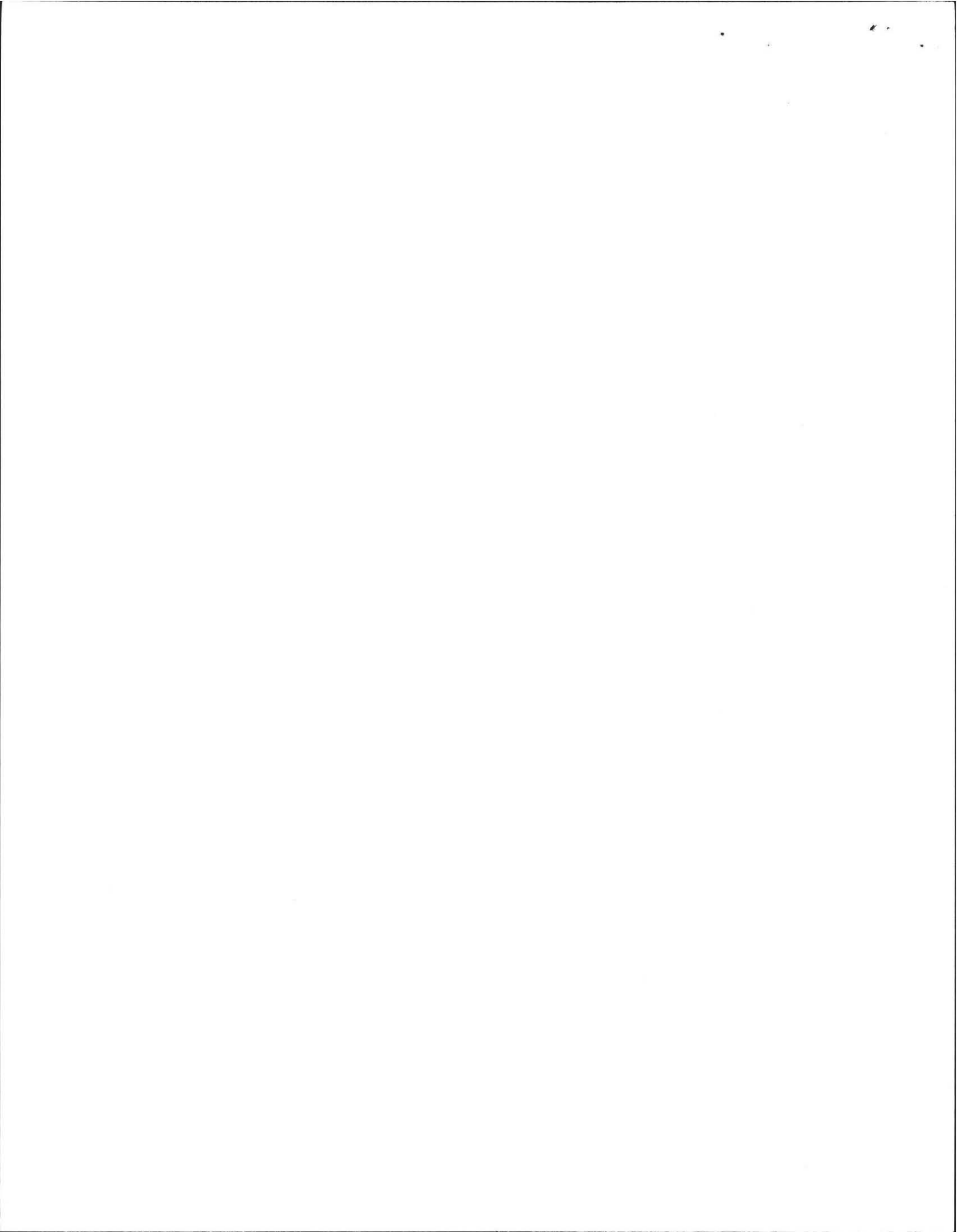
Exceptions:

The layout and elevations of the "As Built," system vary from those of the approved design to the extent shown in red, on the copies of the plan view and profile enclosed. These changes do not violate Title V DEQE, state code.

Sincerely,

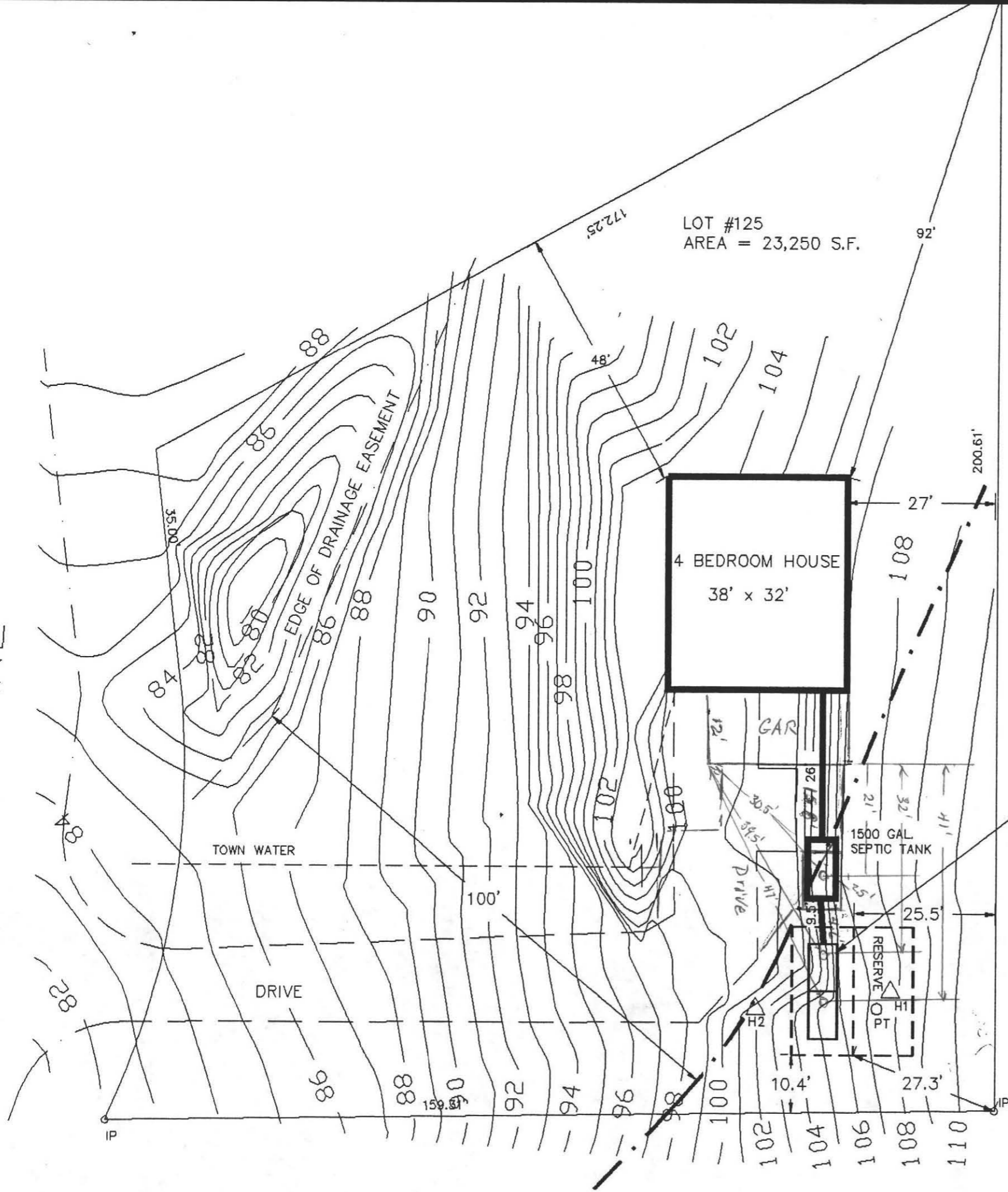
Frederick A. Filios R.S.
(Frederick A. Filios)

C.C. to Board of Health





TEABERRY LANE



LOT #125
AREA = 23,250 S.F.

4 BEDROOM HOUSE
38' x 32'

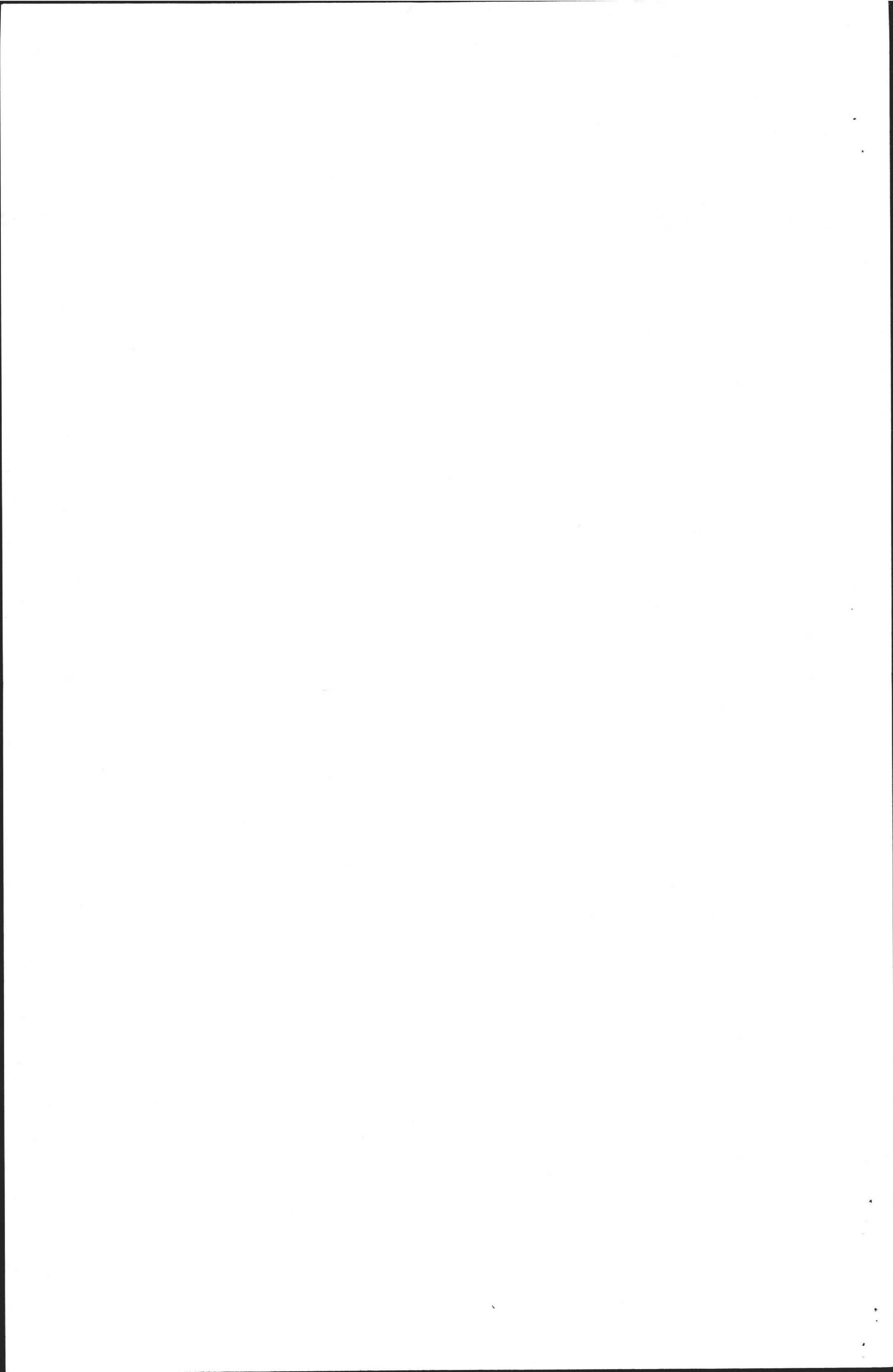
LEACH PIT:
23' LONG BY
11' WIDE BY
1.8' BELOW INLET

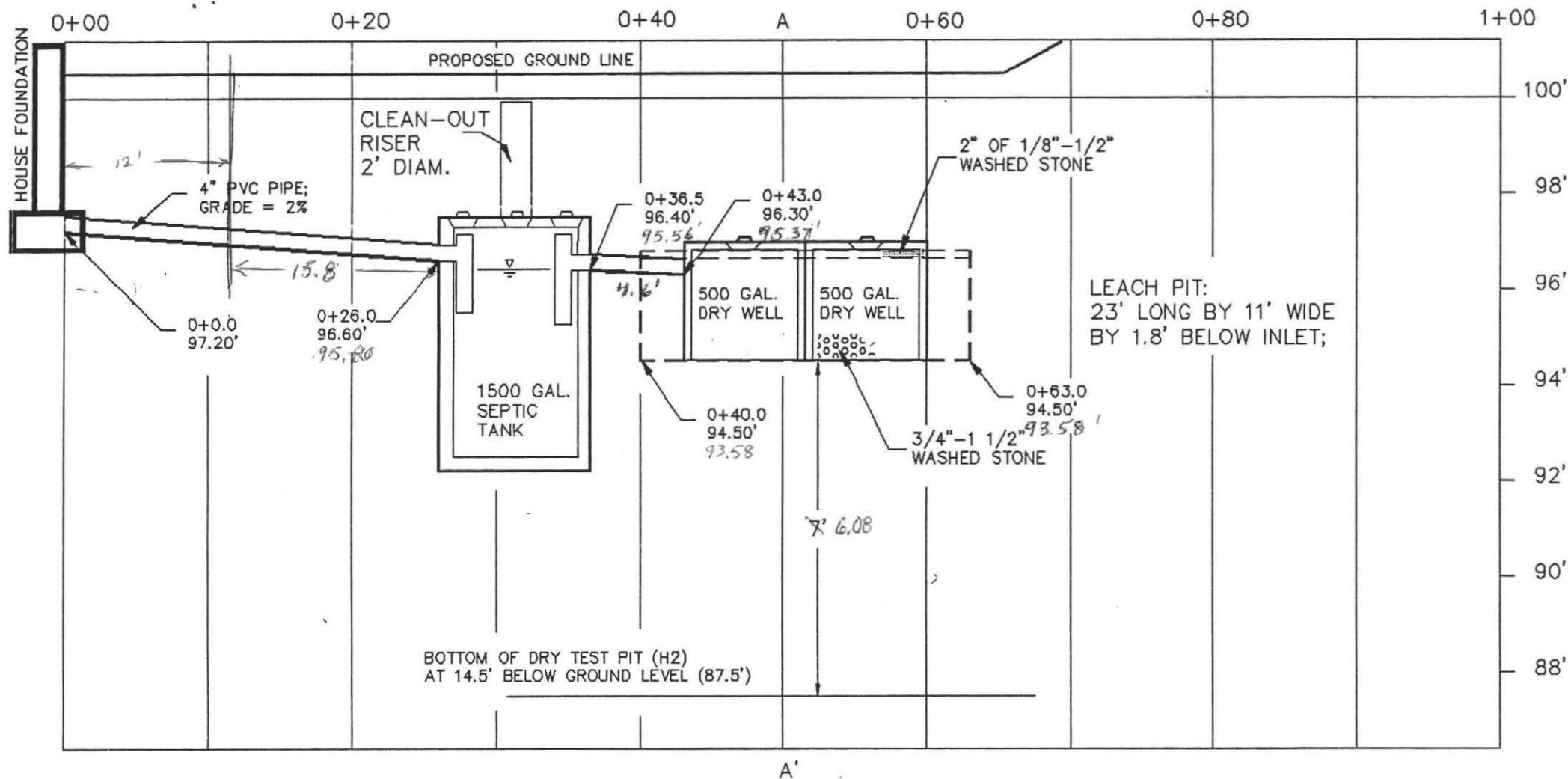


LEGEND	
○	PT PERCOLATION TEST
△	Hx DEEP TEST PIT
~	CONTOUR LINES (1' INTERVAL)

NOTES:	
1.	TBM IS NAIL IN 6" OAK.
2.	NO OTHER WELLS WITHIN 200' OF THE LEACH AREA AT THE TIME OF SURVEY.

PLAN OF SEWAGE DISPOSAL SYSTEM	
AT: LOT #125, TEABERRY LANE, AMHERST, MA	
BY: FILIOS ENTERPRISES, INC. 89 PELHAM RD. AMHERST MA 01002 (413)256-8008	FOR: PHILIP SHUMWAY 25 M ^W . POLLUX DR. AMHERST, MA 01002
DRAWN BY: P. FILIOS 22 JUNE, 1993	SCALE: 1" = 20' PAGE 1 OF 2





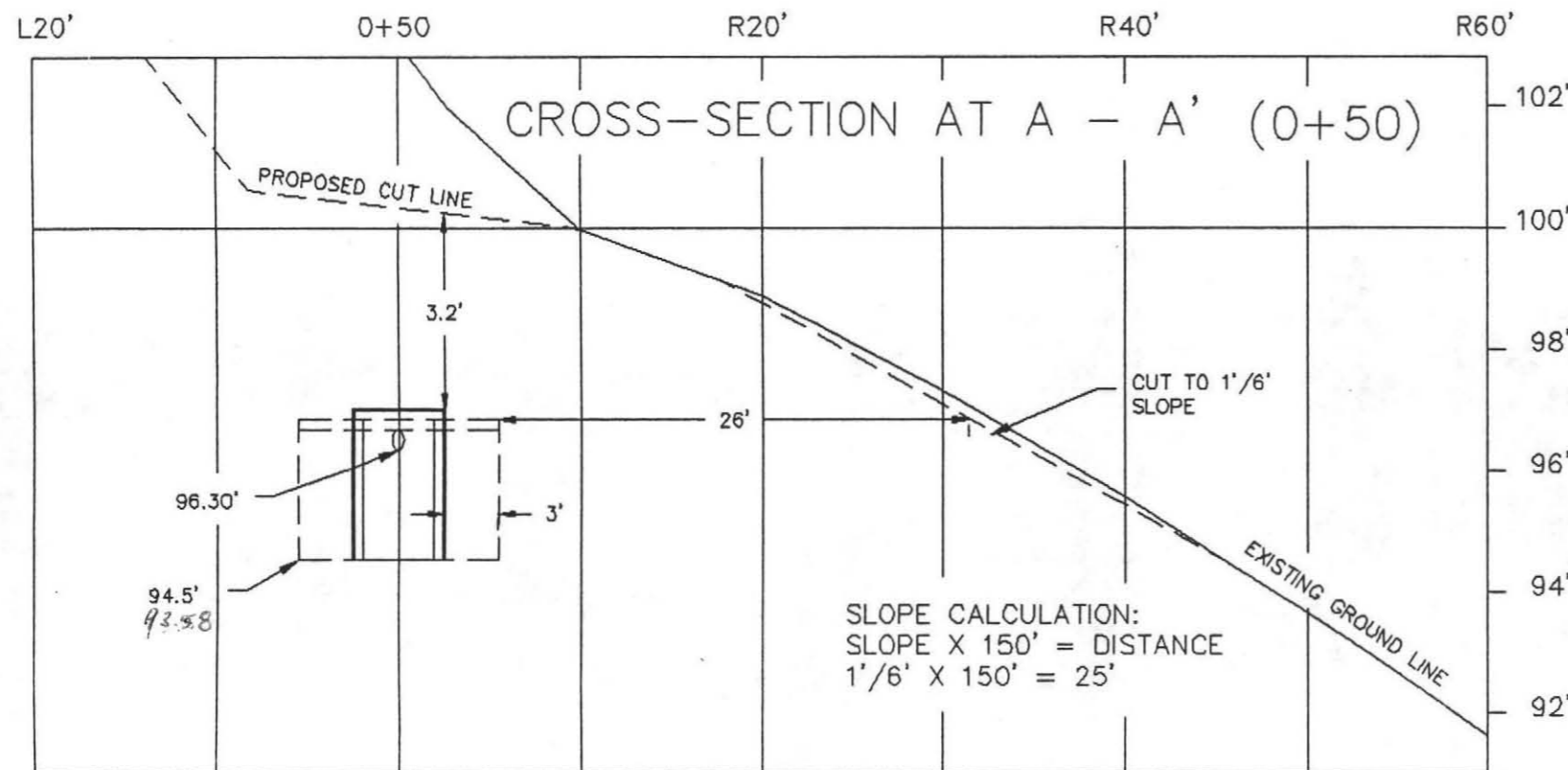
100' Elevation Assumed at TBM. TBM is nail in base of 6" Oak as shown on Plan view.

DEC 1 1993

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

Construction Notes

1. Septic tank should be inspected and pumped annually.
2. Inlet and outlet tees must extend 10" and 14" below the flow line respectively.



CALCULATIONS

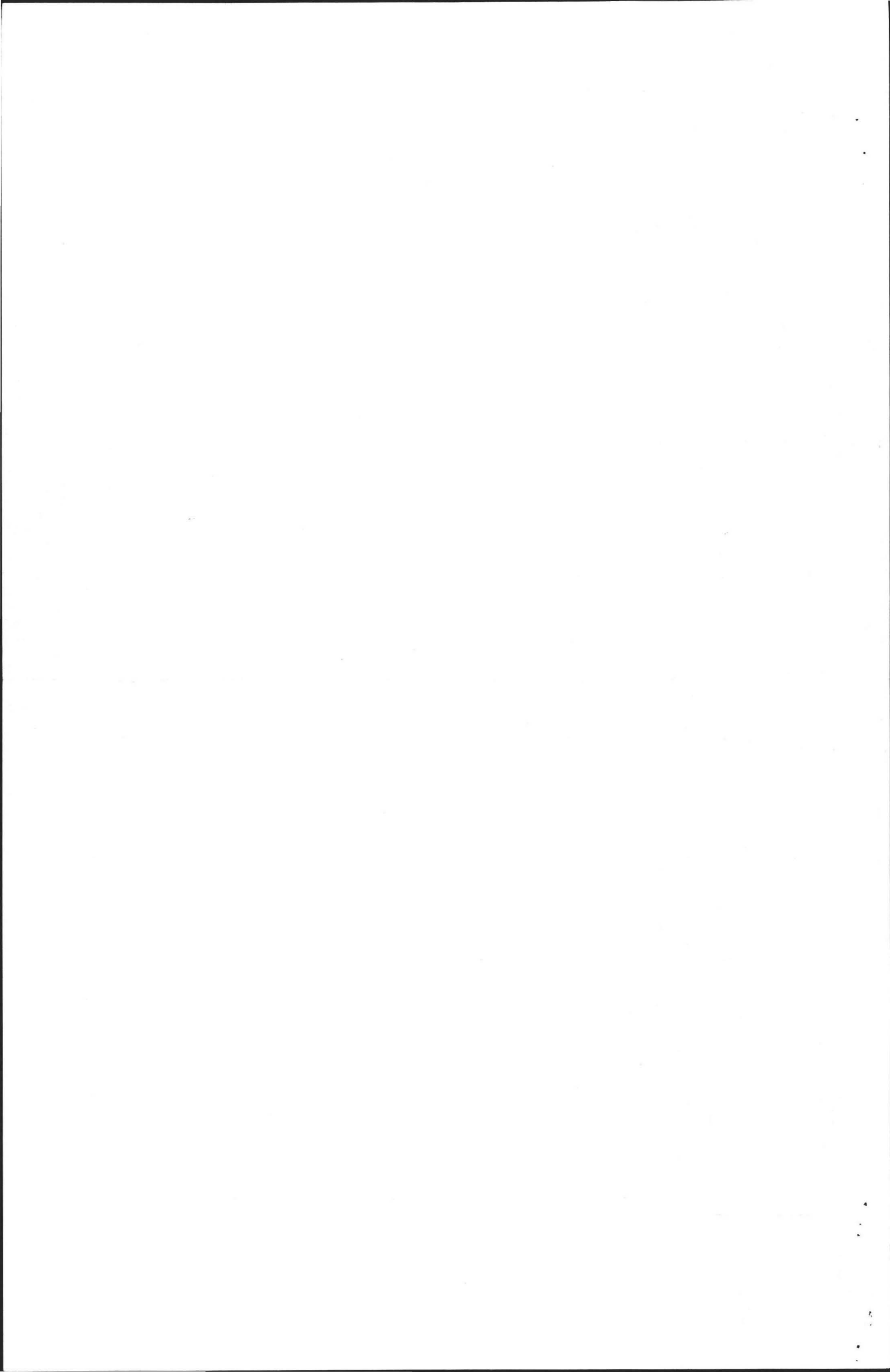
REQUIRED: For a 4 bedroom house without a garbage grinder a capacity of 440.0 gal./day X 1.25 safety factor = 550 gal./day

DESIGNED: 1 leach pit 23.0'L X 11.0'W X 1.80' below inlet (effective depth), for a perc rate of 2 min./in., yielding side and bottom loading factors of 2.50 and 1.00 gal./sq.ft. respectively.

SIDEWALL: (23.0' + 11.0')2 X 1.8' X 2.50 Gal./Sq.ft. = 306.0 Gal.
 BOTTOM: (23.0' X 11.0')1.00 Gal./Sq.ft. = 253.0 Gal.
 TOTAL = 559.0 Gal.



PROFILE OF SEWAGE DISPOSAL SYSTEM	
AT: LOT #125, TEABERRY LANE, AMHERST, MA	
BY: FILIOS ENTERPRISES, INC. 69 PELHAM RD. AMHERST MA 01002 (413)256-8008	FOR: PHILIP SHUMWAY 25 MT. POLLUX DR. AMHERST, MA 01002
DRAWN BY: P. FILIOS 22 JUNE, 1993	SCALE: 1" = 10' HOR. 3' VER. PAGE 2 OF 2



No. 86-71

CK
776

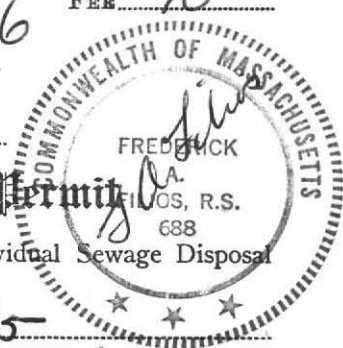
FEE \$90

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

Town Amherst OF

Application for Disposal Works Construction Permit



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

18 Teaberry Lane
Location - Address
R Rivard
Owner
Ed Stone
Installer

Lot 125
or Lot No.
11 Wildflower Drive, Amherst
Address
Montague MA
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 5.5 gallons per person per day. Total daily flow 8 495 gallons.
Septic Tank — Liquid capacity 1500 gallons Length 10 1/2 Width 5'8" Diameter _____ Depth 5'4"
Disposal Trench — No. _____ Width _____ Total Length _____ Total leaching area 164.5 sq. ft. sides
Seepage Pit No. 1 Diameter 16.5' x 7' Depth below inlet _____ Total leaching area 115.5 sq. ft. Bottom

Other Distribution box () Dosing tank ()
Percolation Test Results Performed by F.A. Filios Date March 10, 1986
Test Pit No. 1 2 minutes per inch Depth of Test Pit 11' Depth to ground water NONE
Test Pit No. 2 _____ minutes per inch Depth of Test Pit _____ Depth to ground water _____

Description of Soil Enclosed
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 Rivard 11-20-86
Application Approved By C. Drake 11-20-86
Application Disapproved for the following reasons: _____

Permit No. 86-71 Issued 11-20-86
Date Date

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

OF
Certificate of Compliance

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

at _____
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

No. 86-71 Town Amherst OF
FEE \$90

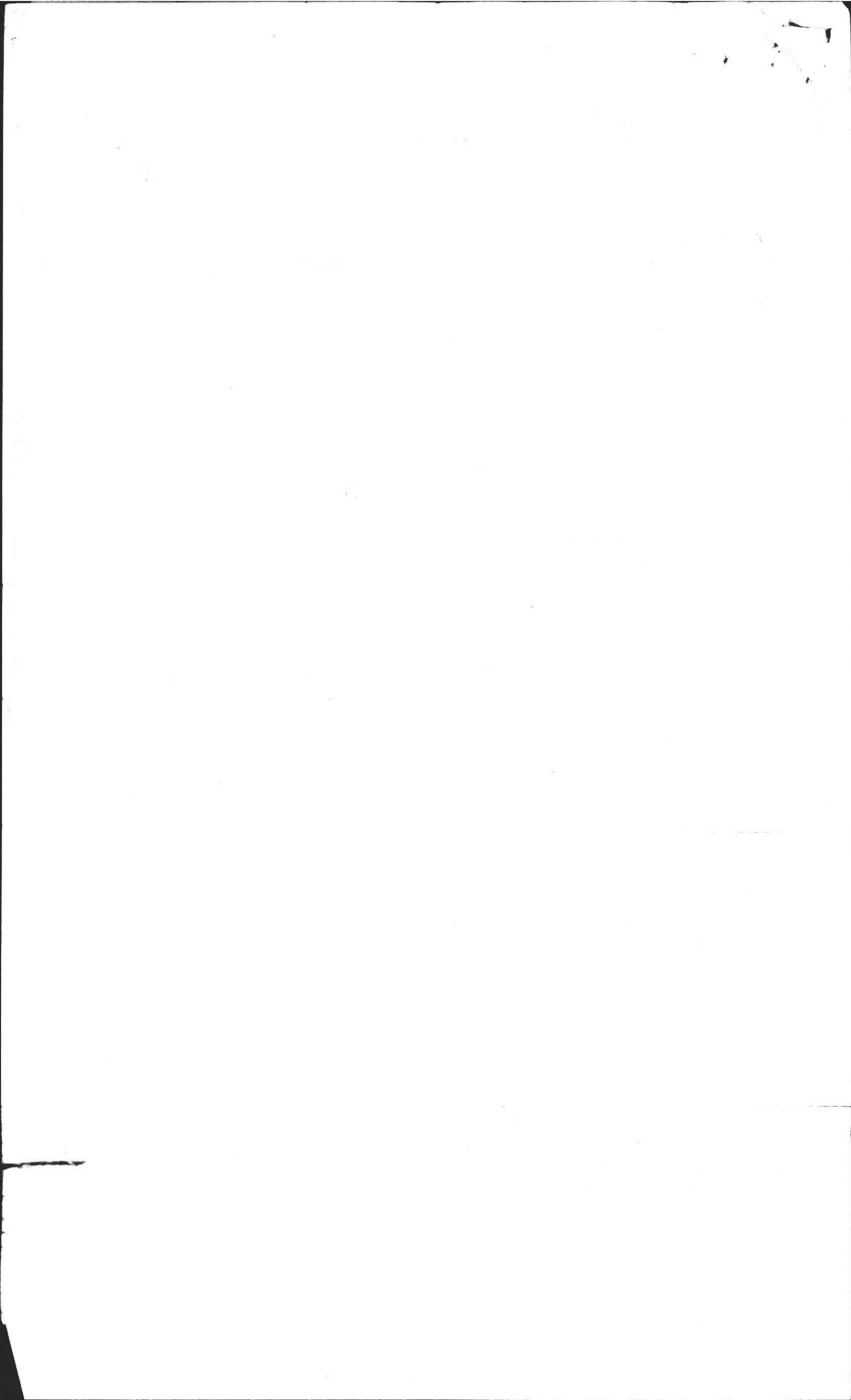
Disposal Works Construction Permit

Permission is hereby granted R. Rivard by Ed Stone
to Construct (X) or Repair () an Individual Sewage Disposal System

at No. Lot # 125 Teaberry Lane Street 86-71 Dated 11-20-86
as shown on the application for Disposal Works Construction Permit No. _____

DATE 11-20-86 _____
Board of Health

CHECK OR FILL IN WHERE APPLICABLE



No.

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:

Teaberry Lane Location - Address
R R. vard Owner

Lot 125 or Lot No.
11 Wildflower Drive, Amherst 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 8,495 gallons.
Septic Tank - Liquid capacity 1500 gallons Length 10 1/2' Width 5'8" Diameter Depth 5'4"
Disposal Trench - No. Width Total Length Total leaching area 164.5 sq. ft. sides
Seepage Pit No. 1 Diameter 16.5 x 7' Depth below inlet Total leaching area 115.5 sq. ft. bottom

Percolation Test Results Performed by F.A. Elias Date March 10, 1986
Test Pit No. 1 52 minutes per inch Depth of Test Pit 11' Depth to ground water NONE
Test Pit No. 2 minutes per inch Depth of Test Pit Depth to ground water

Description of Soil Enclosed

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 _____ Date _____
Application Approved By _____ Date _____
Application Disapproved for the following reasons: _____ Date _____

Permit No. _____ Issued _____ Date _____

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

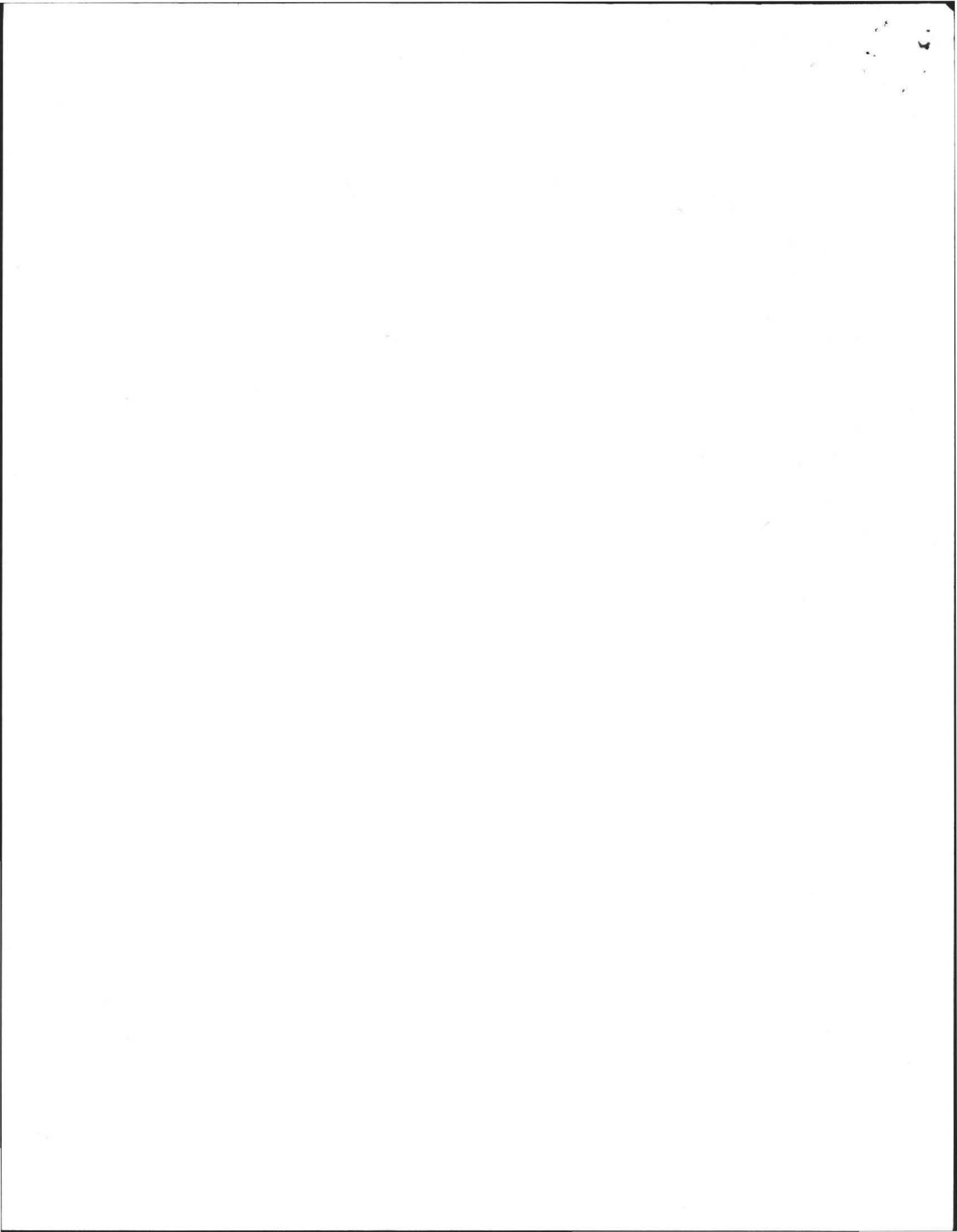
Certificate of Compliance

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

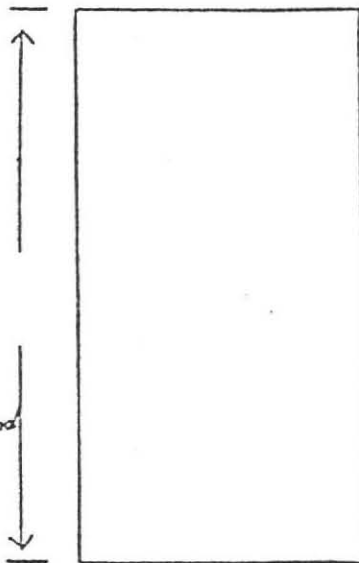
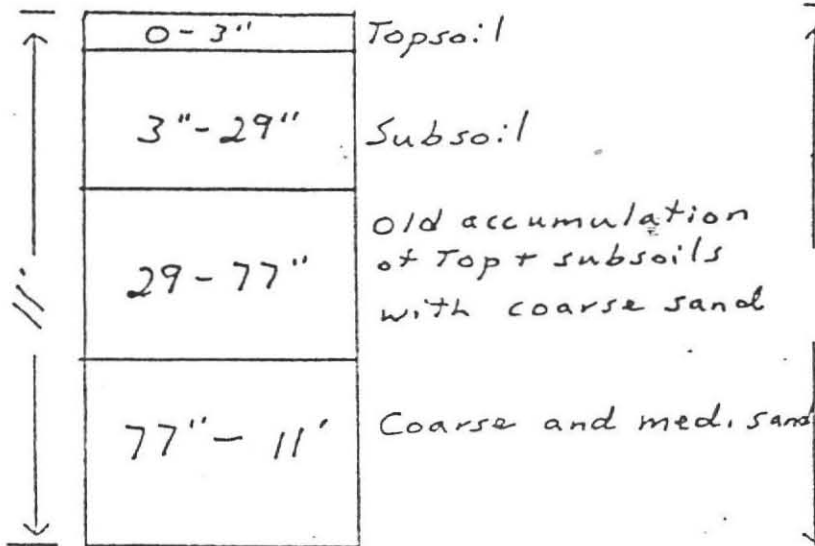
OWNER Jeffrey W. Flower

DATE March 10, 1986

LOCATION Lot 125 Amherst Woods
Amherst, MA.

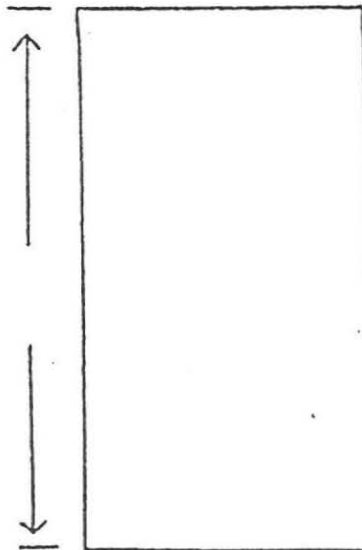
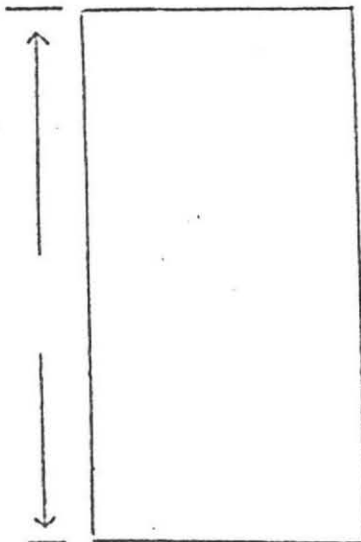
OBSERVER F.A. Filios

B of H C. Drake



GROUND WATER NONE

GROUND WATER _____



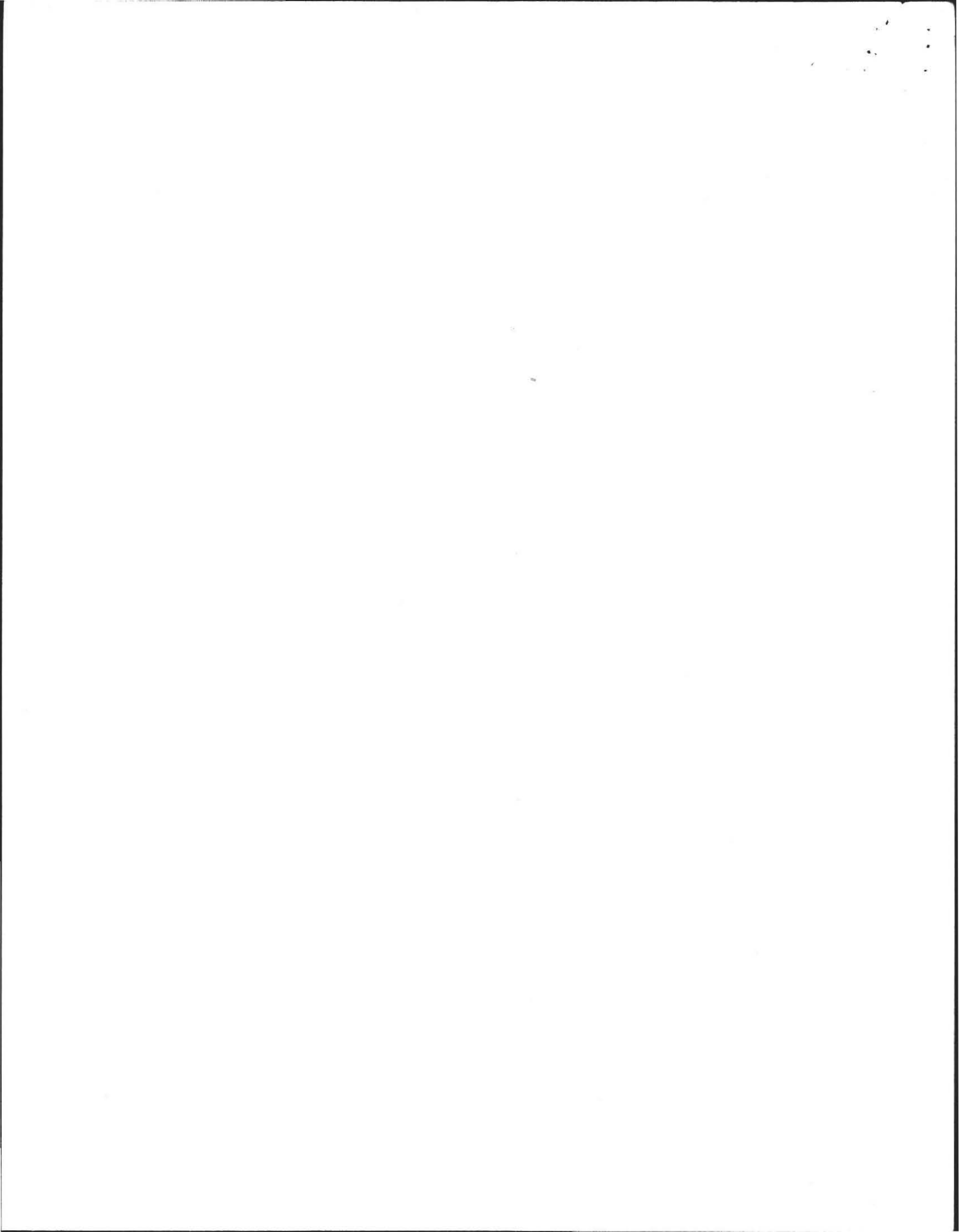
GROUND WATER _____

GROUND WATER _____

PERCOLATION RATE AT 4.7":

< 2 min./inch





PLAN SHOWING SEWAGE DISPOSAL SYSTEM

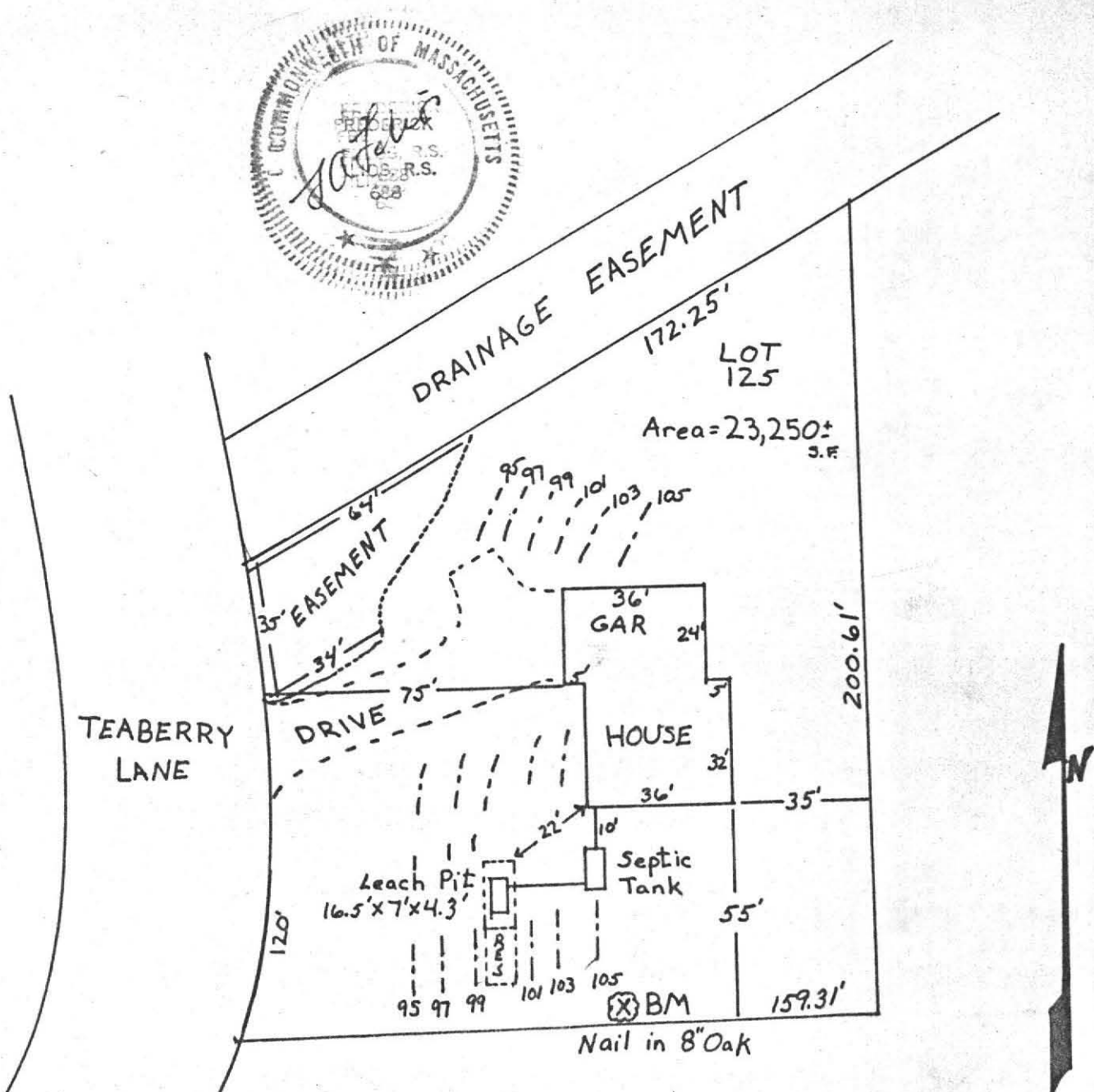
FOR: R. Rivard
11 Wildflower Drive
Amherst, MA.

BY: F.A. Filios
69 Pelham Road
Amherst, MA.

AT: Lot 125
Teaberry Lane
Amherst, MA.

DATE: October 29, 1986

SCALE: 1"=40'

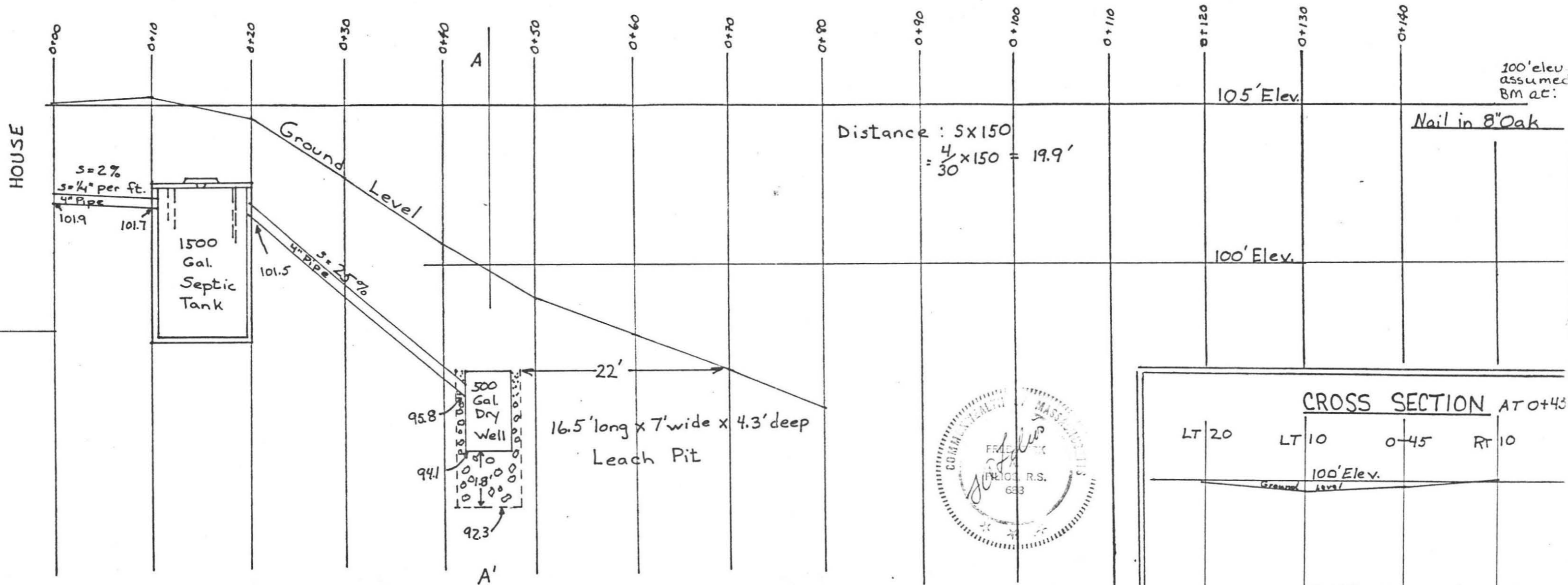


PROFILE OF SEPTIC SYSTEM

FOR: R. Rivard
11 Wildflower Drive Amherst, MA.
 SITE: Lot 125 Teaberry Lane
Amherst, MA.

BY: Frederick A. Filios
69 Pelham Road
Amherst, MA
01002

DATE: October 29, 1986
 SCALE: Horizontal: 1" = 10'
 Vertical: 1" = 3'

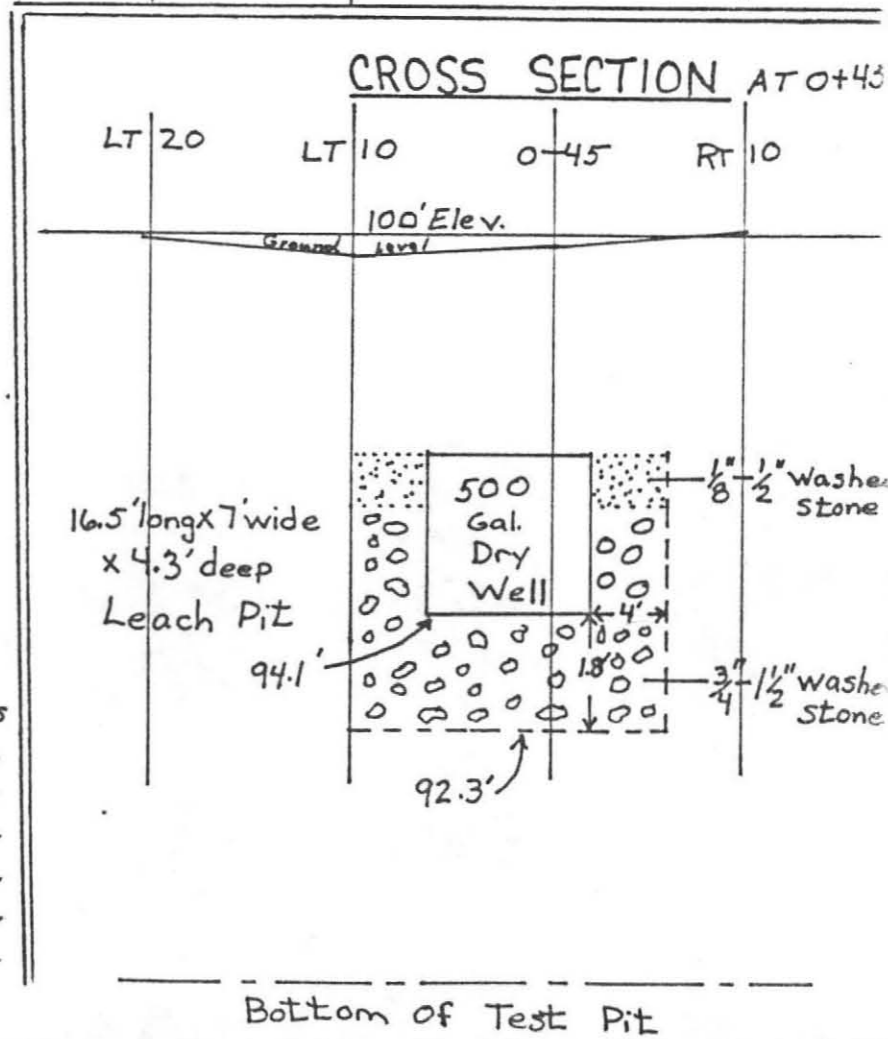


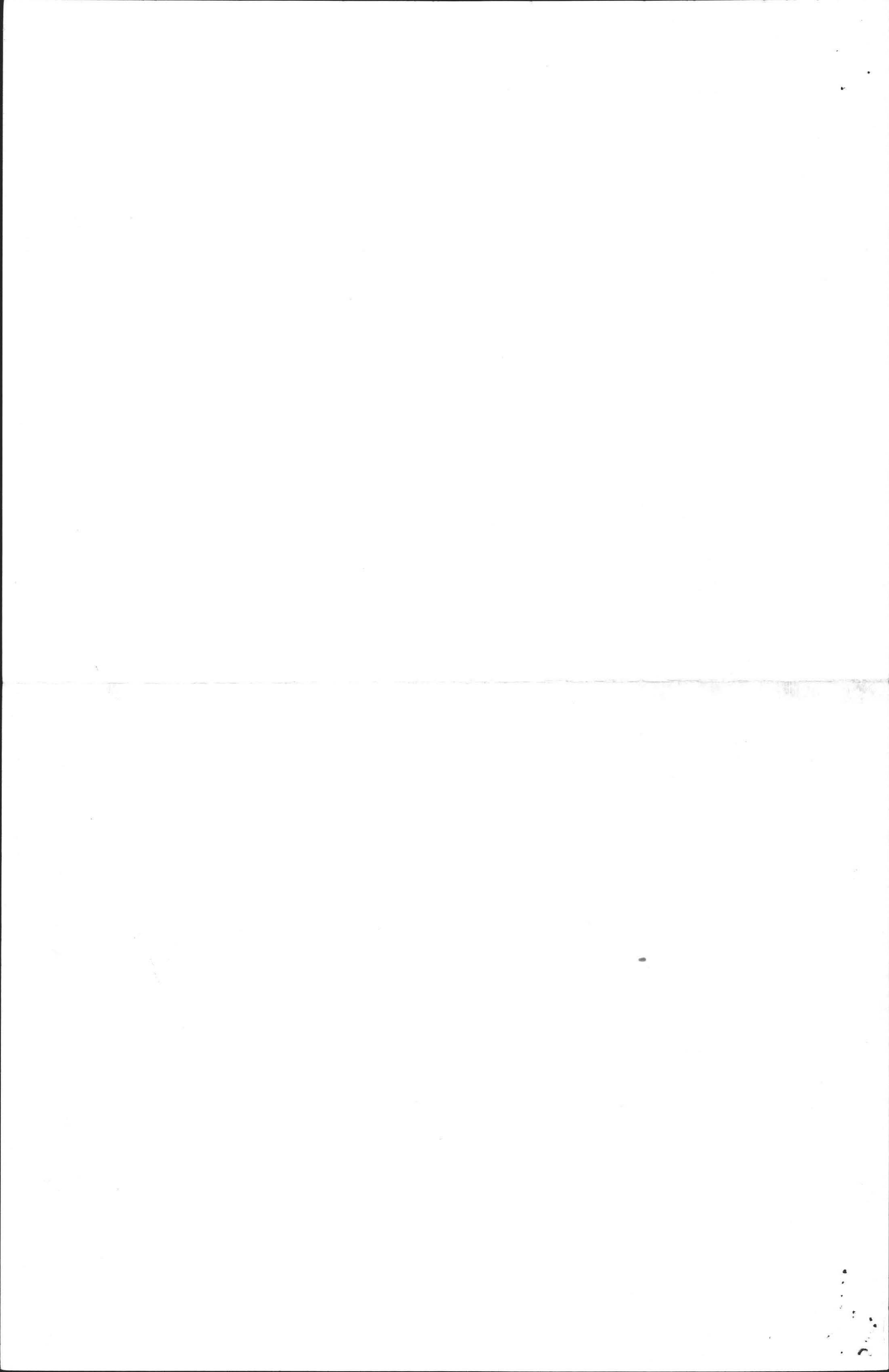
SPECIFICATIONS

ALL MATERIALS AND CONSTRUCTION WILL BE IN ACCORDANCE WITH COMM. OF MASS. DE. Q. E. STATE ENVIRONMENTAL CODE TITLE 5.

CALCULATIONS

3 Bdm x 110 = 330 gallons + 50% for G.G. = 495 gallons
 Perc Rate = 2 min./inch Sides = 2.5, Bottom = 1.0 gal./s.f.
 Shallow Leach Pit: 16.5' long x 7' wide x 4.3' deep
 Sides: 16.5' x 3.5' x 2 = 115.5 s.f. x 2.5 gal./s.f. = 288.75
 7' x 3.5' x 2 = 49 s.f. x 2.5 gal./s.f. = 122.5
 Bottom: 16.5' x 7' = 115.5 s.f. x 1.0 gal./s.f. = 115.5
 Proposed Total = 526.75 gallons





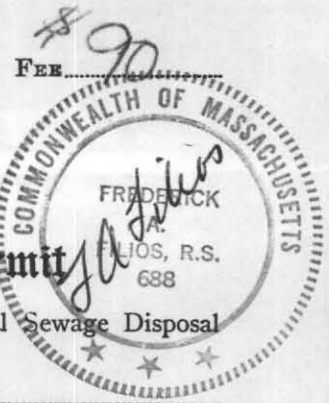
No. 86-71

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

Town Amherst 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:

18 Teaberry Lane
Location - Address
R.R. Rivard
Owner
Ed Stone
Installer

Lot 125
or Lot No.
11 Wildflower Drive, Amherst
Address
Montague MA
Address

Type of Building _____ Size Lot 23,250± Sq. feet
Dwelling — No. of Bedrooms 3 Expansion Attic () Garbage Grinder ()
Other — Type of Building _____ No. of persons _____ Showers () — Cafeteria ()
Other fixtures _____

Design Flow 55 gallons per person per day. Total daily flow 8,495 gallons.
Septic Tank — Liquid capacity 1,500 gallons Length 10 1/2 Width 5'8" Diameter _____ Depth 5'4"
Disposal Trench — No. _____ Width _____ Total Length _____ Total leaching area 16.45 sq. ft. Sides
Seepage Pit No. 1 Diameter 16.5 x 7' Depth below inlet _____ Total leaching area 15.5 sq. ft. Bottom
Other Distribution box () _____ Dosing tank () _____
Percolation Test Results Performed by F.A. Elias Date March 10, 1986
Test Pit No. 1 5.2 minutes per inch Depth of Test Pit 11" Depth to ground water NONE
Test Pit No. 2 _____ minutes per inch Depth of Test Pit _____ Depth to ground water _____

Description of Soil Enclosed
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 Rivard Date 11-20-86
Application Approved By [Signature] Date 11-20-86

Application Disapproved for the following reasons: _____
Permit No. 11-20-86 86-71 Issued [Signature] Date _____

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

OF _____

Certificate of Compliance

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

at _____ 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 Amherst OF Amherst

No. 86-71

FEE \$90

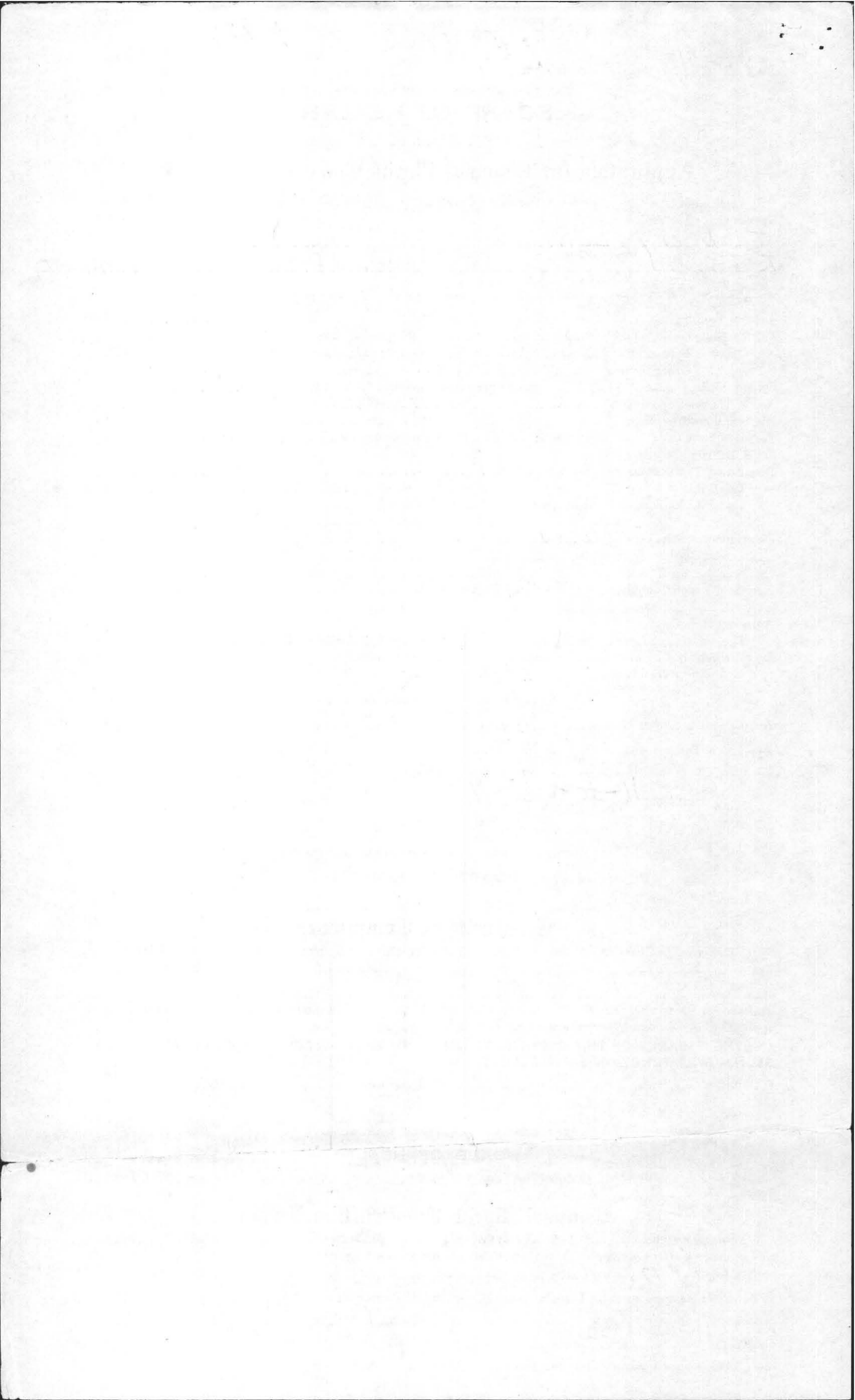
Disposal Works Construction Permit

Permission is hereby granted R. Rivard by Ed Stone to Construct () or Repair () an Individual Sewage Disposal System

at No. Lot # 125 Teaberry Lane Street 86-71 Dated 11-20-86

as shown on the application for Disposal Works Construction Permit No. _____
DATE 11-20-86 Board of Health

CHECK OR FILL IN WHERE APPLICABLE



DEEP SOIL LOGS

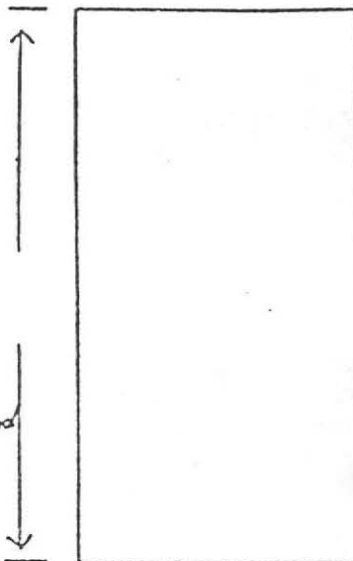
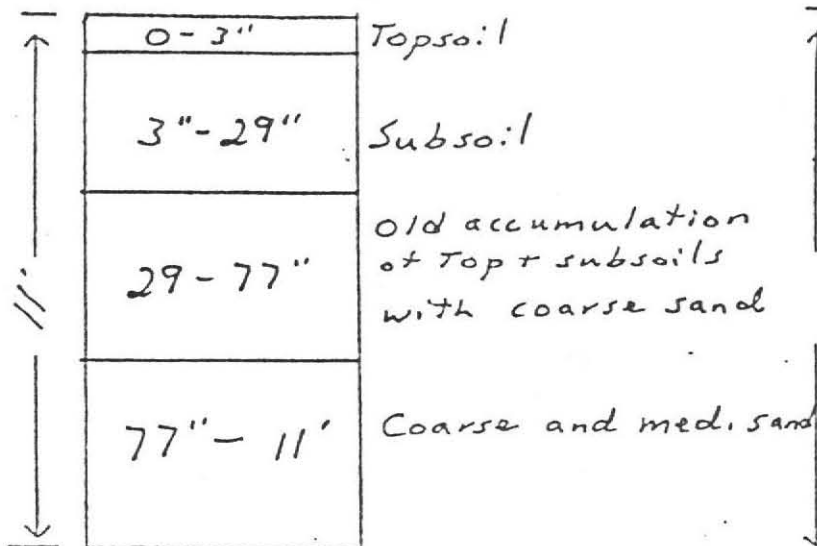
OWNER Jeffrey W. Flower

DATE March 10, 1986

LOCATION Lot 125 Amherst Woods
Amherst, MA.

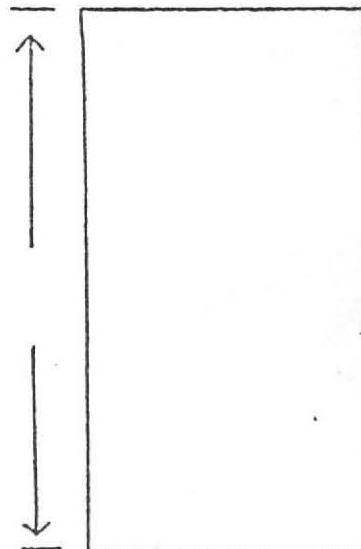
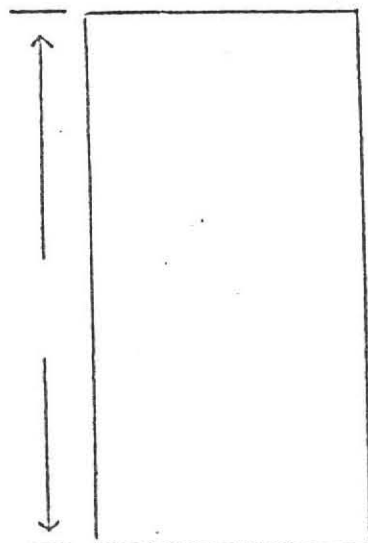
OBSERVER F.A. Filios

B of H C. Drake



GROUND WATER NONE

GROUND WATER _____



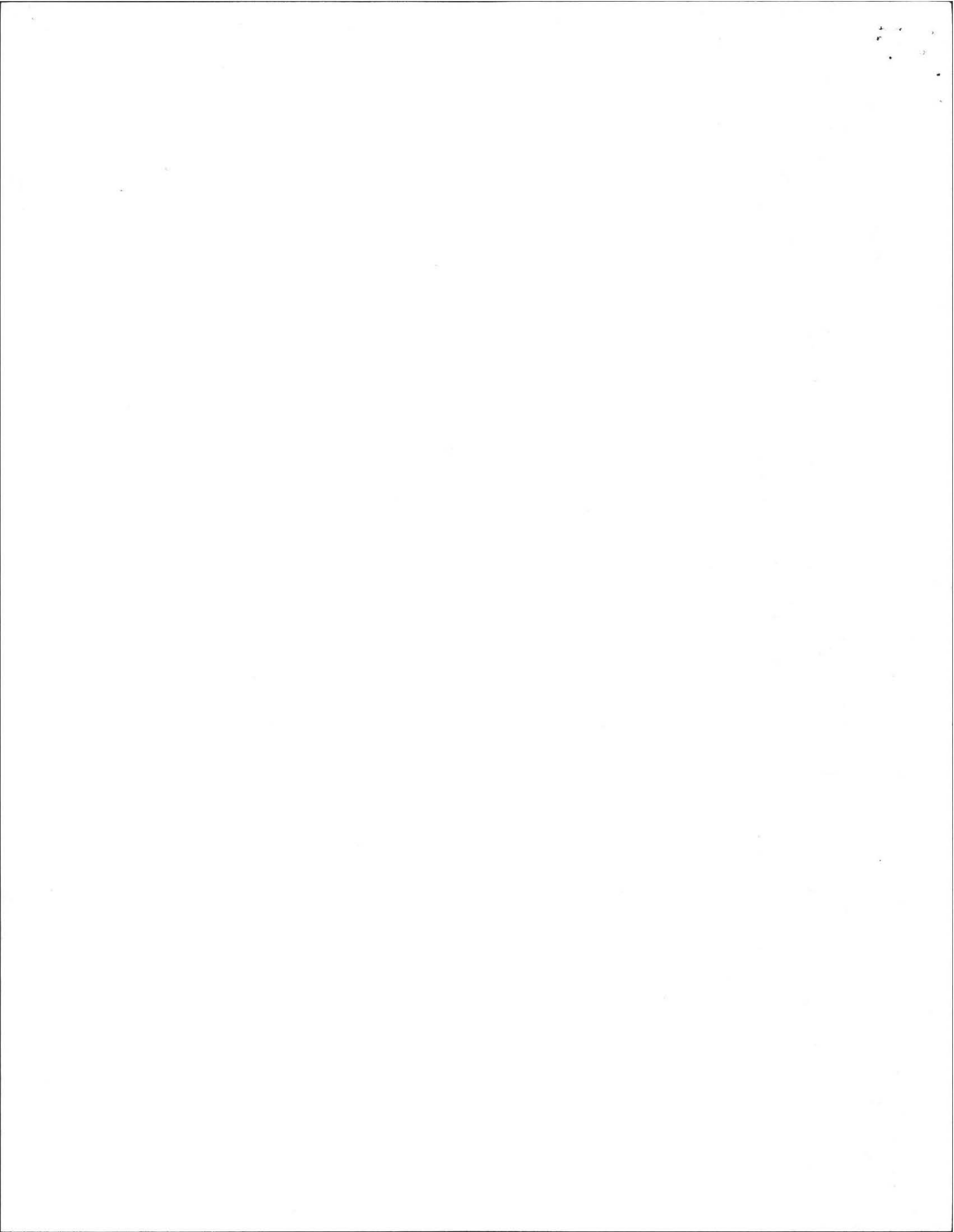
GROUND WATER _____

GROUND WATER _____

PERCOLATION RATE AT 4.7":

< 2 min./inch





PLAN SHOWING SEWAGE DISPOSAL SYSTEM

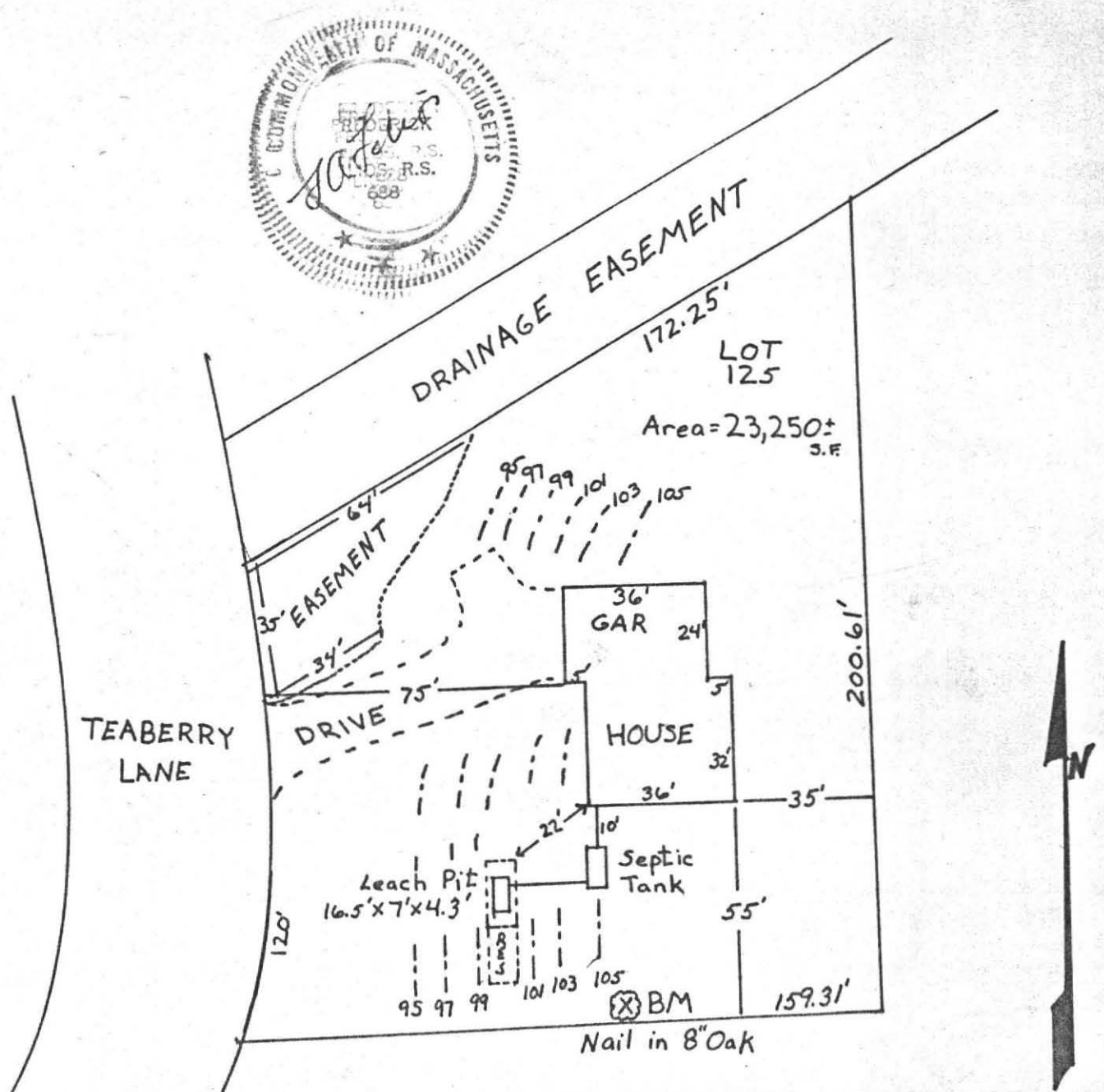
FOR: R. Rivard
11 Wildflower Drive
Amherst, MA.

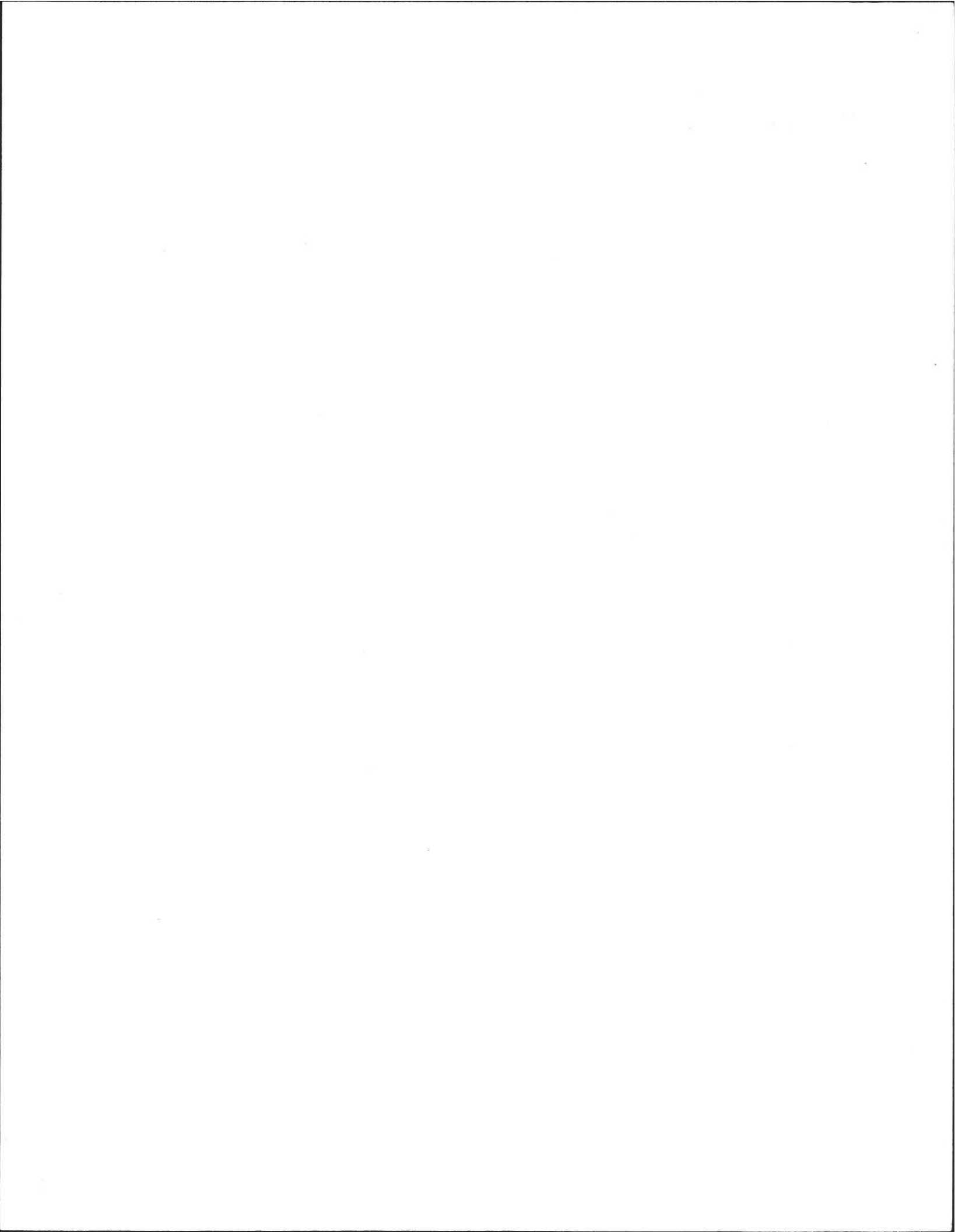
BY: F.A. Filios
69 Pelham Road
Amherst, MA.

AT: Lot 125
Teaberry Lane
Amherst, MA.

DATE: October 29, 1986

SCALE: 1"=40'



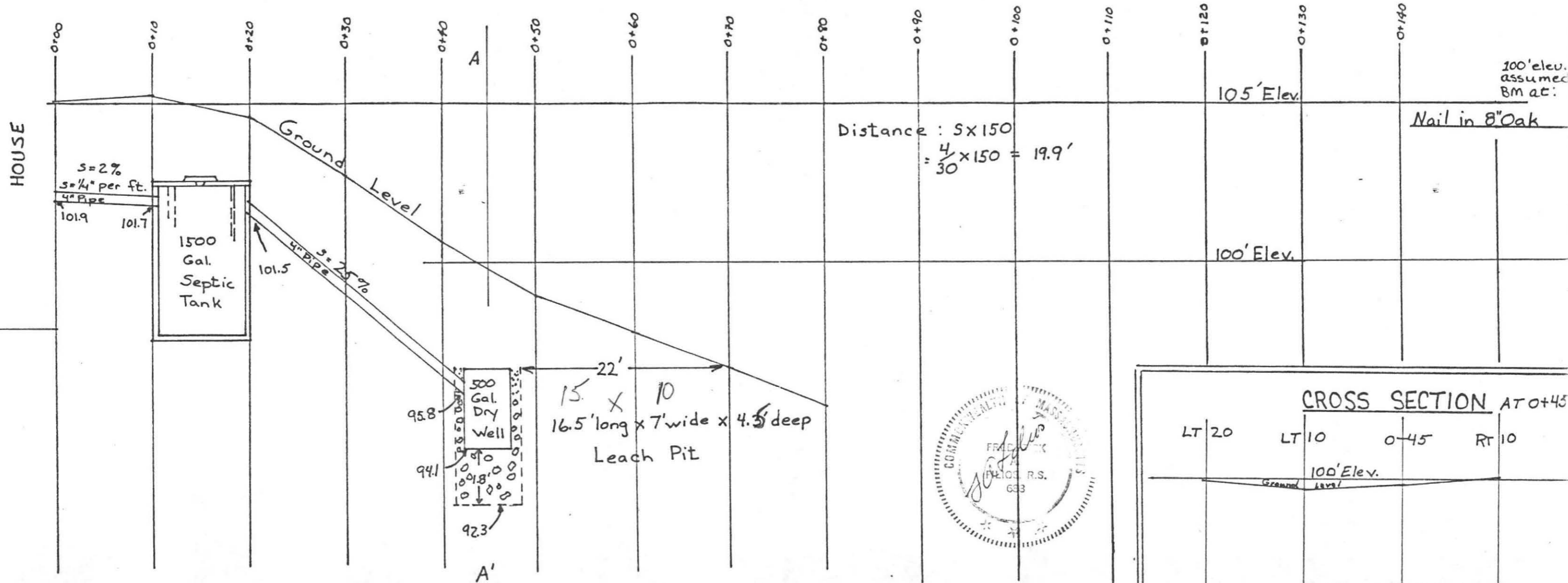


PROFILE OF SEPTIC SYSTEM

FOR: R. Rivard
11 Wildflower Drive Amherst, MA.
 SITE: Lot 125 Teaberry Lane
Amherst, MA.

BY: Frederick A. Filios
69 Pelham Road
Amherst, MA
01002

DATE: October 29, 1986
 SCALE: Horizontal: 1" = 10'
 Vertical: 1" = 3'



SPECIFICATIONS

ALL MATERIALS AND CONSTRUCTION WILL BE IN ACCORDANCE WITH COMM. OF MASS. DE. Q. E. STATE ENVIRONMENTAL CODE TITLE 5.

CALCULATIONS

3 Bdm x 110 = 330 gallons + 50% for G.G. = 495 gallons
 Perc Rate = 2 min./inch Sides = 2.5, Bottom = 1.0 gal./s.F.
 Shallow Leach Pit: 16.5' long x 7' wide x 4.3' deep
 Sides: 16.5' x 3.5' x 2 = 115.5 s.F. x 2.5 gal./s.F. = 288.75
 7' x 3.5' x 2 = 49 s.F. x 2.5 gal./s.F. = 122.5
 Bottom: 16.5' x 7' = 115.5 s.F. x 1.0 gal./s.F. = 115.5
 Proposed Total = 526.75 gallons

