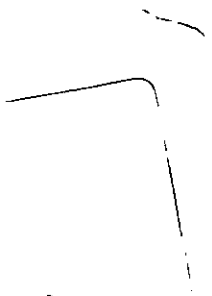
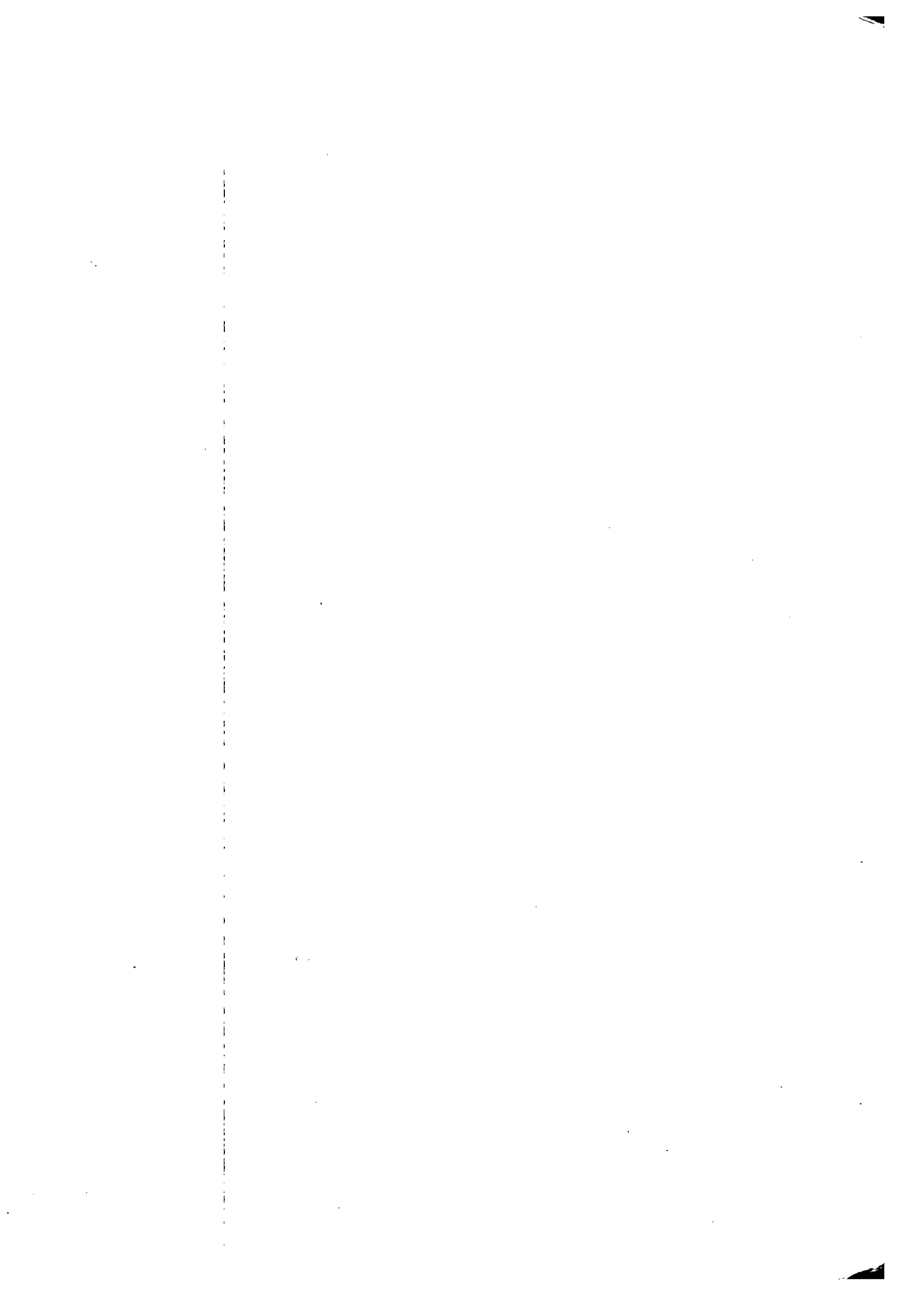
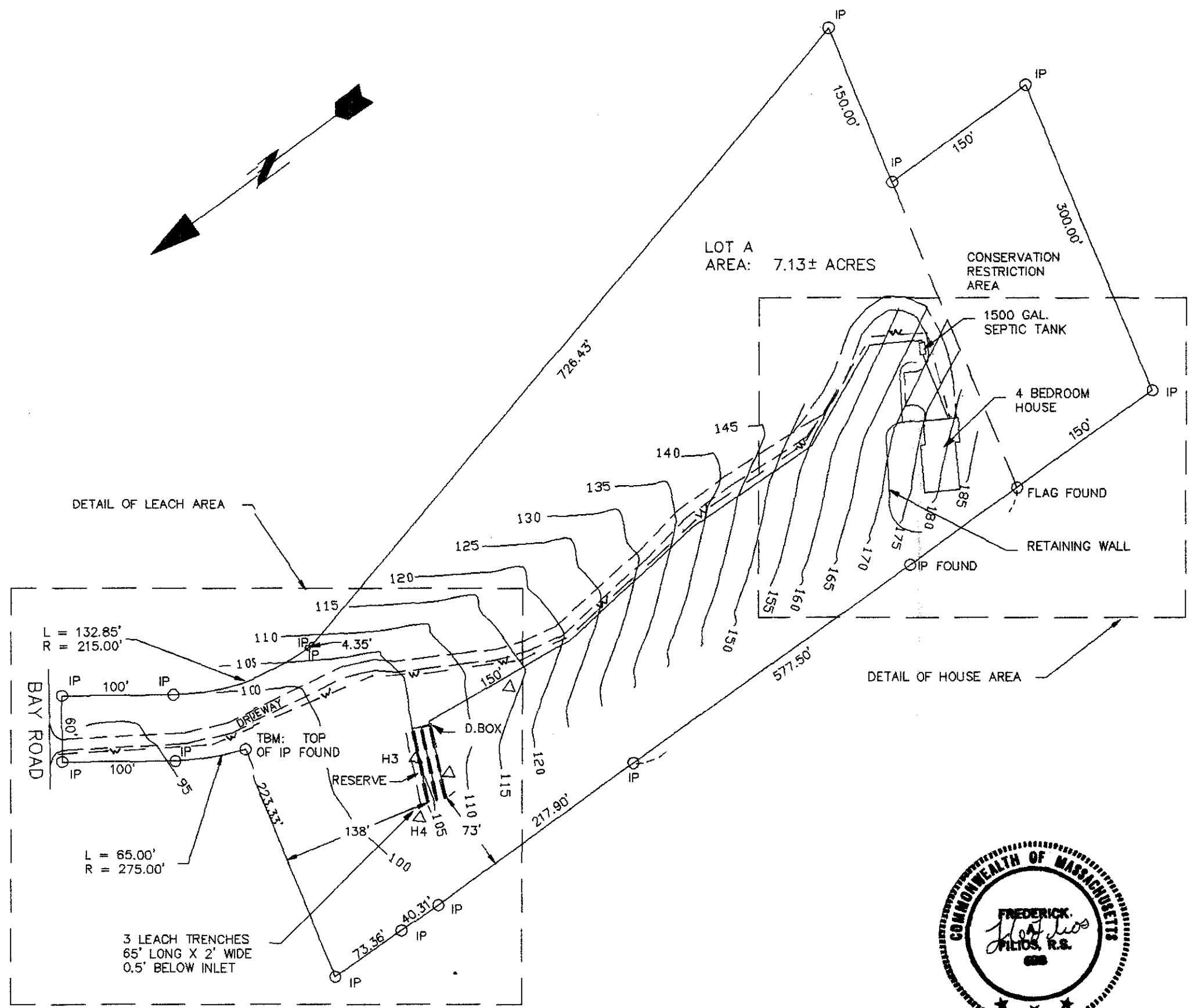


473 Bay Rd.





12/15/93
 ADD CLEAN-OUTS FOR
 "D" BOX AREA
 DATE 2-



LEGEND

○ PT PERCOLATION TEST

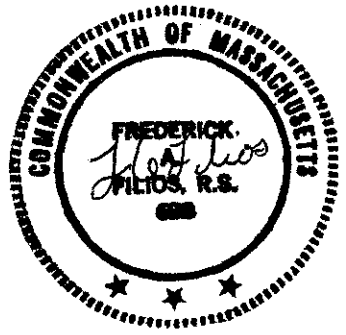
△ Hx DEEP TEST PIT

— CONTOUR LINES (5' INTERVAL)

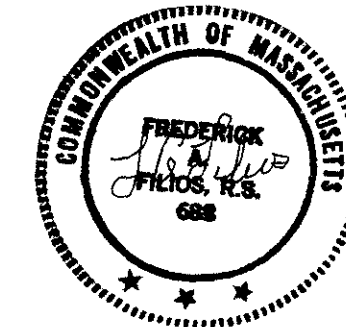
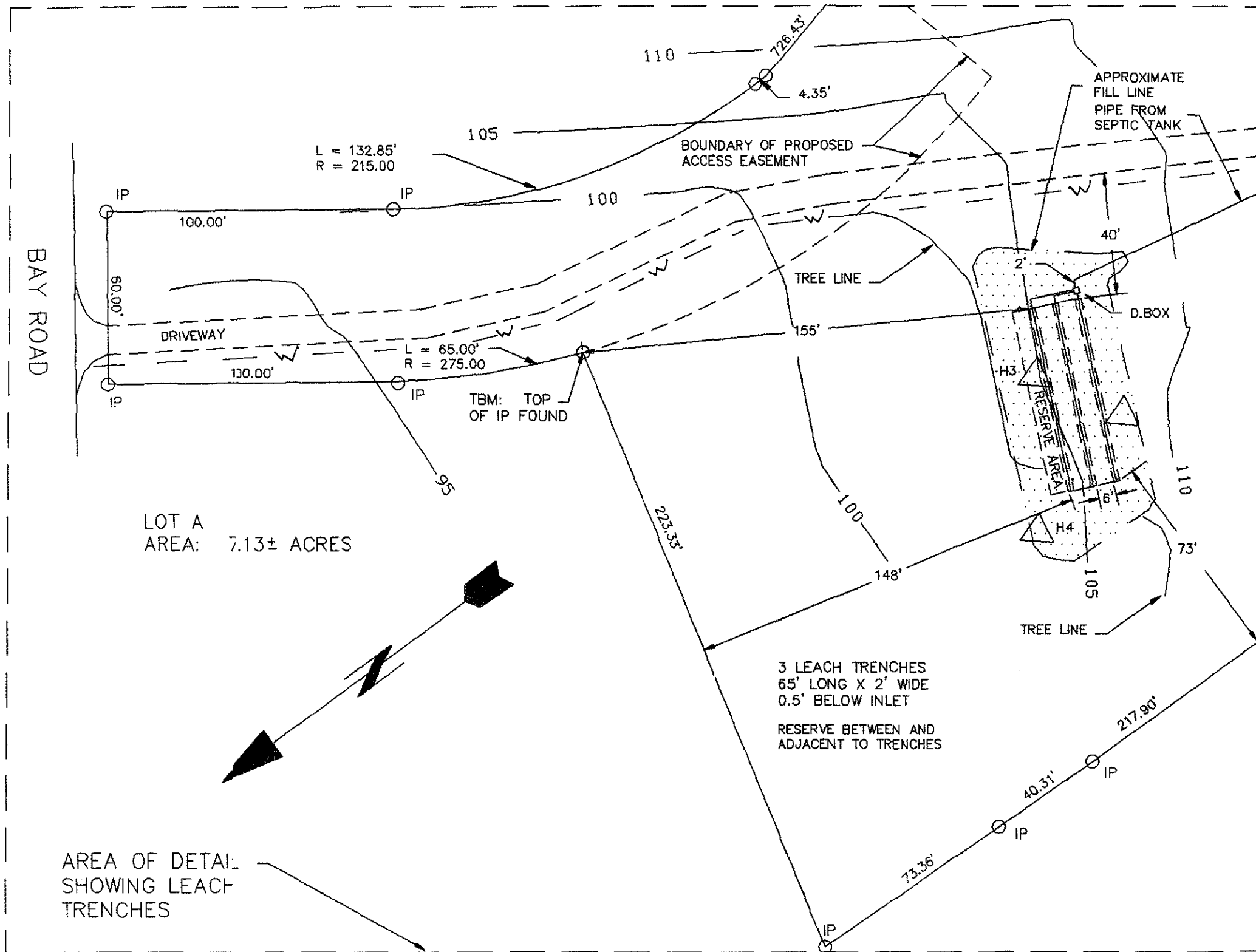
-W- Town Water

NOTES:

- TBM IS TOP OF IRON PIN.
- NO OTHER WELLS WITHIN 200' OF THE LEACH AREA AT THE TIME OF SURVEY.



LOCUS OF SEWAGE DISPOSAL SYSTEM	
LOT A, BAY RD., AMHERST, MA	
BY: FILIOS ENTERPRISES, INC. 69 PELHAM RD. AMHERST MA 01002 (413)256-8008	FOR: CHADBOURNE RESIDENCE BAY ROAD AMHERST, MA 01002
DRAWN BY R. STOVER	SCALE: 1" = 100'00"
REV. #1, 10 DECEMBER, 1993	PAGE ONE OF FIVE

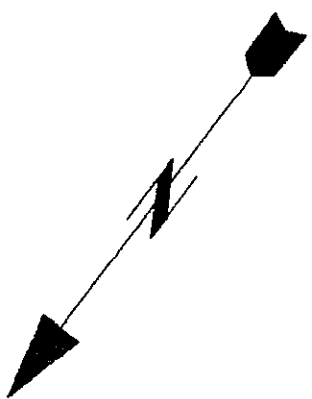
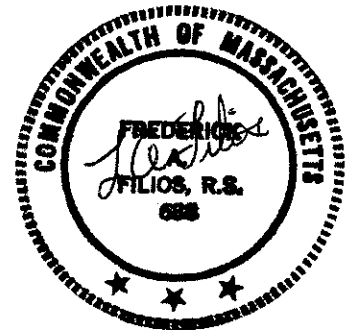
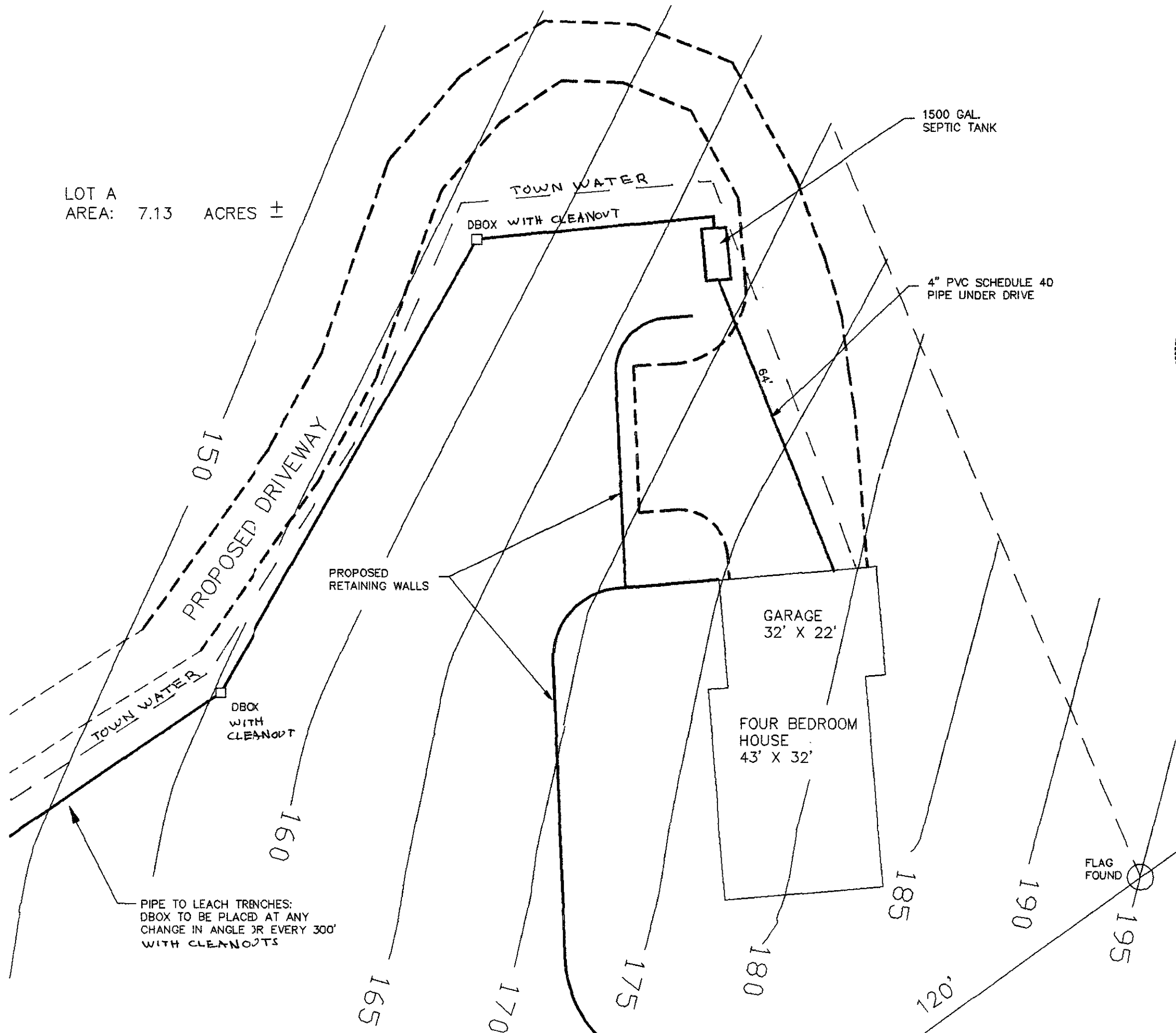


LEGEND	
○	PT PERCOLATION TEST
△	Hx DEEP TEST PIT
—W—	CONTOUR LINES (5' INTERVAL)
---	TOWN WATER

- NOTES:
1. TBM IS TOP OF IRON PIN.
 2. NO OTHER WELLS WITHIN 200' OF THE LEACH AREA AT THE TIME OF SURVEY.

DETAIL OF SEWAGE DISPOSAL SYSTEM	
LOT A, BAY ROAD, AMHERST, MA	
BY: FILIOS ENTERPRISES, INC. 89 PELHAM RD. AMHERST MA 01002 (413)256-8008	FOR: CHADBOURNE RESIDENCE BAY ROAD AMHERST, MA 01002
DRAWN BY R. STOVER	SCALE: 1" = 40'00"
REV. #1, 10 DECEMBER, 1993	PAGE TWO OF FIVE

LOT A
AREA: 7.13 ACRES ±

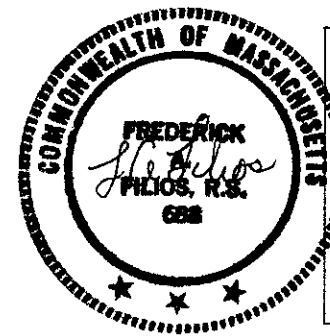
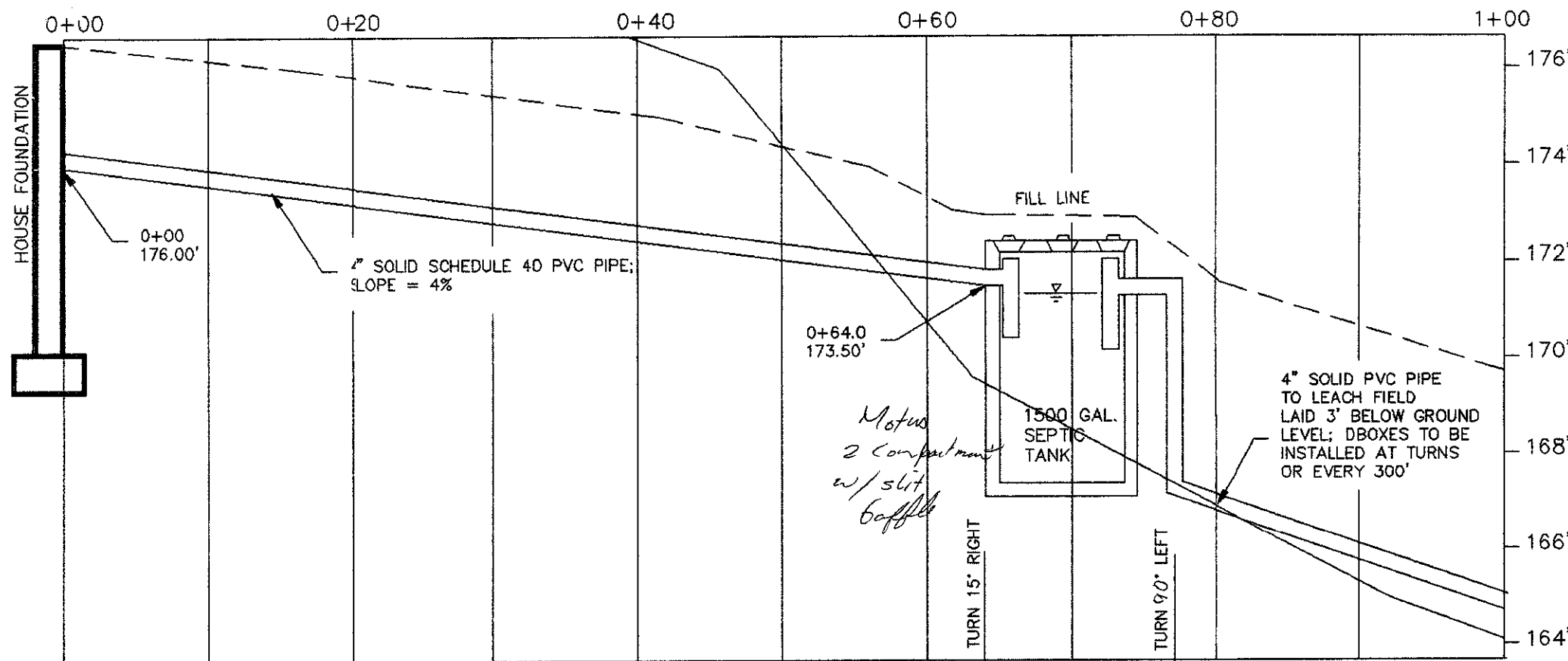


LEGEND	
○	PT PERCOLATION TEST
△	Hx DEEP TEST PIT
~	CONTOUR LINES (5' INTERVAL)

NOTES:
 1. TBM IS GROUND LEVEL AT CORNER FLAG = 195.00'
 2. NO OTHER WELLS WITHIN 200' OF THE LEACH AREA AT THE TIME OF SURVEY.

DETAIL OF SEWAGE DISPOSAL SYSTEM	
AT: LOT A, BAY ROAD, AMHERST, MA	
BY: FILIOS ENTERPRISES, INC. 69 PELHAM RD. AMHERST MA 01002 (413)256-8008	FOR: CHIADBOURNE RESIDENCE BAY ROAD AMHERST, MA
DRAWN BY: P. FILIOS	SCALE: 1" = 20'
REV. #1, 10 DECEMBER, 1993	PAGE THREE OF FIVE

PIPE TO LEACH TRENCHES:
DBOX TO BE PLACED AT ANY
CHANGE IN ANGLE OR EVERY 300'
WITH CLEANOUTS

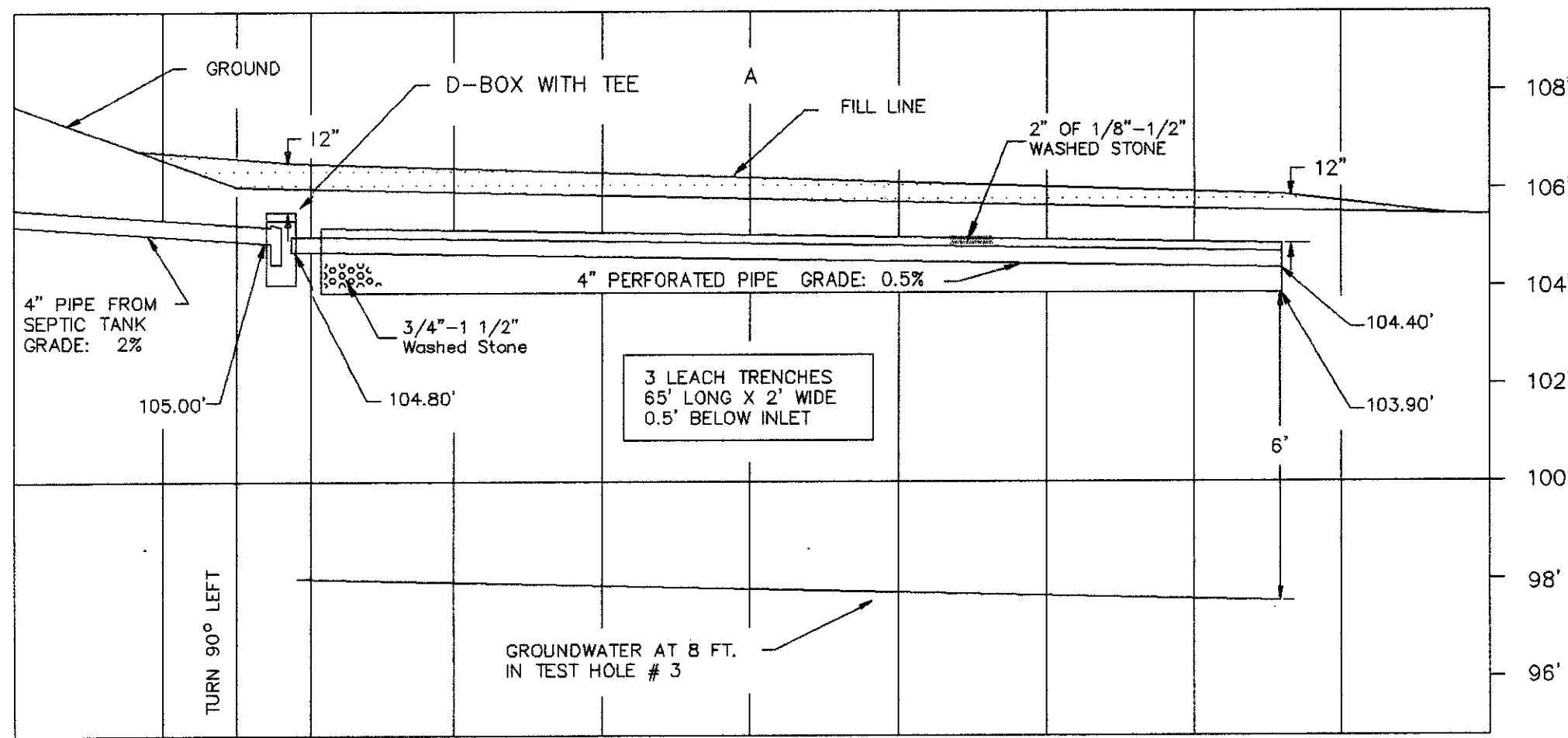


Construction Notes

1. Septic tank should be inspected and pumped annually.
2. Inlet and outlet tees must extend 14" and 24" below the flow line respectively.

100' Elevation Assumed at TBM. TBM is top of iron property pin as shown on planview.

SPECIFICATIONS
ALL MATERIALS AND CONSTRUCTION MUST BE IN ACCORDANCE WITH COMMONWEALTH OF MASSACHUSETTS DEP'T. OF ENVIRONMENTAL PROTECTION STATE ENVIRONMENTAL CODE TITLE 5.



CALCULATIONS

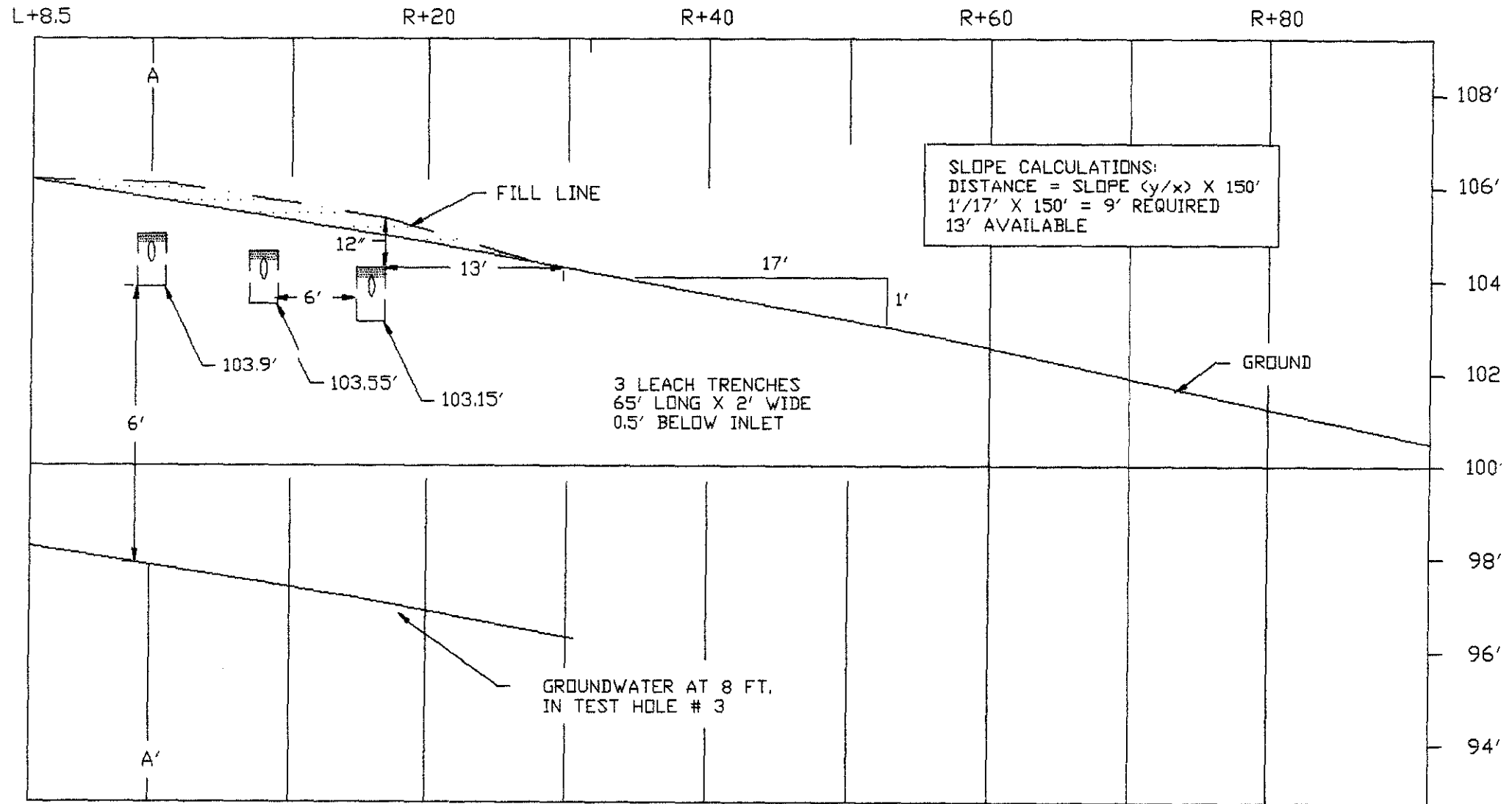
REQUIRED:
FOR A 4 BEDROOM HOUSE WITH A GARBAGE DISPOSAL IN AMHERST, MA AT 110 GAL./DAY/BEDROOM X 1.25 (TOWN REGULATION) X 1.5 (GARBAGE GRINDER) = 825 GAL./DAY

DESIGNED:
3 LEACH TRENCHES: 65' LONG X 2' WIDE X 0.5' 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./DAY RESPECTIVELY.

SIDEWALL: 6 SIDES (65' X 0.5') 2.5 GAL./SQ.FT./DAY = 487 GAL./DAY
 BOTTOM: 3 TR.S (65' X 2') 1.0 GAL./SQ.FT./DAY = 390 GAL./DAY
 TOTAL: = 877 GAL./DAY

PROFILE OF SEWAGE DISPOSAL SYSTEM	
LOT A, BAY ROAD, AMHERST, MA	
BY: FILIOS ENTERPRISES, INC. 69 PELHAM RD. AMHERST MA 01002 (413)256-8008	FOR: CHADBOURNE RESIDENCE BAY ROAD AMHERST, MA 01002
DRAWN BY R. STOVER 10 DECEMBER, 1993	SCALE: 1" = 10' HOR. 3' VER. PAGE FOUR OF FIVE

CROSS-SECTION OF LEACH TRENCHES AT A-A' (5+80)



100' Elevation Assumed at TBM. TBM is top of Iron property pin as shown on the 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	
LOT A, BAY ROAD, AMHERST, MA	
BY: FILIOS ENTERPRISES, INC. 69 PELHAM RD. AMHERST MA 01002 (413)256-8008	FOR: CHADBOURNE RESIDENCE BAY RD. AMHERST, MA 01002
DRAWN BY R. STOVER	SCALE: 1" = 10' HOR. 3' VER.
REV #1, 10 DEC, 1991	PAGE #IVE OF FIVE

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

Town of Amherst

No. 93-19

D. Chadbourne
FEE Pd 60.00
CK 2502
12/15/93

Disposal Works Construction Permit

Permission is hereby granted David M. Chadbourne

to Construct (x) or Repair () an Individual Sewage Disposal System

at No. Lot A, Bay Rd

(# 473)

Street

as shown on the application for Disposal Works Construction Permit No. 93-19 Dated

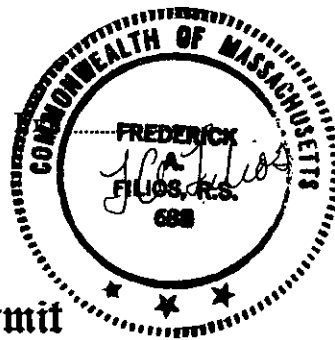
David J. [Signature] for A. [Signature] Sept
Board of Health

DATE 12/15/93



#473

David Chadbourne
190 Emerson St
Springfield
CH 2502 PL 60 00
12/15/93



No. 93-19

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:

473 Bay Road Lot A
David M. Chadbourne 190 Emerson St., Springfield MA
Location Address or Lot No.
Owner Address

Type of Building Dwelling — No. of Bedrooms 4 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 410 x 1.5 x 1.25 = 825 gallons.
Septic Tank — Liquid capacity 1500 gallons Length 10.5 Width 5.0 Diameter Depth 4.0
Disposal Trench — No. 3 Width 2.0' Total Length 19.5' Total leaching area 19.5 sq. ft. Sidewall
Seepage Pit No. Diameter Depth below inlet 0.5' Total leaching area 39.0 sq. ft. Bottom

Other Distribution box (X) Dosing tank ()
Percolation Test Results Performed by Almer Huntley Jr. + Assoc. Date March 10, 1989
#TH-3 Test Pit No. 1 2 minutes per inch Depth of Test Pit 10' Depth to ground water 8'
#TH-4 Test Pit No. 2 2 minutes per inch Depth of Test Pit 10' 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 DM Chadbourne 12/14/93
Application Approved By Carol Zugentli for A. P. Dept. 12/15/93
Date

Application Disapproved for the following reasons:

Permit No. 93-19 Issued Date

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

Town of Amherst

Certificate of Compliance

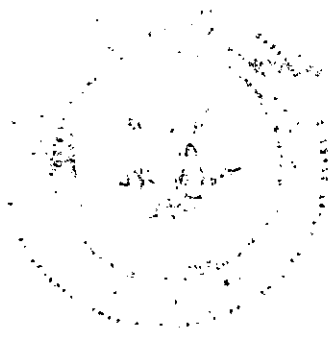
Checked & OK
7/31/95 J. Files

THIS IS TO CERTIFY, That the Individual Sewage Disposal System constructed (X) or Repaired ()
by at Lot A, Bay 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. 93-19 dated

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

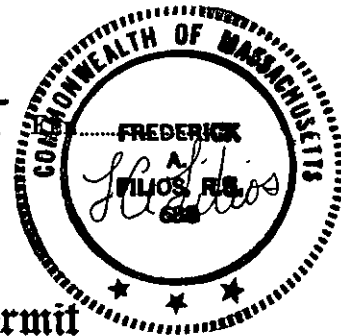
DATE 7/31/95 Inspector Roger Bonnell

CHECK OR FILL IN WHERE APPLICABLE



No. 93-19

David Chadbourne
190 EREWON ST
Springfield
CH 2502 PL 60 00
12/15/93



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:

473 Bay Road

Lot A

DAVID CHADBOURNE

Location Address

or Lot No.

Owner

Address

Installer

Address

Type of Building

Size Lot 310,583 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 gallons per person per day. Total daily flow 410 x 1.5 x 1.25 = 825 gallons.

Septic Tank — Liquid capacity 1500 gallons Length 10.5 Width 5.0 Diameter _____ Depth 4.0

Disposal Trench — No. 3 Width 2.0 Total Length 195.0 Total leaching area 195 sq. ft.

Seepage Pit No. _____ Diameter _____ Depth below inlet 0.5 Total leaching area 390 sq. ft.

Other Distribution box (X) Dosing tank ()

Percolation Test Results Performed by Almer Huntley, Jr. + Assoc. Date March 10, 1989

#TH-3 Test Pit No. 1 2 minutes per inch Depth of Test Pit 10' Depth to ground water 8'

#TH-4 Test Pit No. 2 2 minutes per inch Depth of Test Pit 10' 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.

Application Approved By David Chadbourne Signed David Chadbourne Date 12/15/93

Application Disapproved for the following reasons: _____

Permit No. 93-19

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 _____

at L + A, Bay Road 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. 93-19 dated _____

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

DATE 7/31/95

Inspector Roger Bonnell

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

Town of Amherst

No. 93-19

FEE _____

Disposal Works Construction Permit

D. Chadbourne
PL 60 00
CR 2502
12/15/93

Permission is hereby granted to Construct (X) or Repair () an Individual Sewage Disposal System

at No. Lot A, Bay Rd Street (#473)

as shown on the application for Disposal Works Construction Permit No. 93-19 Dated _____

DATE 12/15/93

David Chadbourne Board of Health

