WOODLOT LANE Lot #142 87-22

Richard Roberts
367-2378

Sunbeam 549-1059
Bill

No. 89-17

FEE 60.00 Pd

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

TOWN OF AMHERST MASS

COMMONWEALTH OF MASSACHUSETTS
WILLIAM JOHN SIERUTA
CIVIL
No 30146
REGISTERED PROFESSIONAL ENGINEER

Application for Disposal Works Construction Permit

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

#87 LOT 140 WOODLOT ROAD AMHERST MASS.
Location - Address or Lot No.

T & C. GOULD ELF HILL ROAD AMHERST MASS
Owner Address

R. ROBERTS Hemmingway Rd LEVERETT, MASS
Installer Address

Type of Building 4 Bedroom Size Lot 70 000 Sq. feet ± FT²

Dwelling — No. of Bedrooms ..... Expansion Attic (—) Garbage Grinder (yes)

Other — Type of Building Resident No. of persons 8 Showers (2) — Cafeteria (—)

Other fixtures 2½ BATH FULL BMT WITH DRAINS

Design Flow 110 gallons per ~~person~~ bed per day. Total daily flow 110 x 4 x 125 x 1.50 gallons. 825

Septic Tank — Liquid capacity 1500 gallons Length 10'0 Width 5'0 Diameter ..... Depth 5'0

Disposal Trench — No. ..... Width ..... Total Length ..... Total leaching area ..... sq. ft.

Seepage Pit No. 1 Diameter 18 x 13 Depth below inlet 98" Total leaching area ..... sq. ft.

Other Distribution box ( ) Dosing tank ( ) BOTTOM 338 FT² SIDE 298 FT²

Percolation Test Results Performed by F. A. FILLOS Date 4/25/89

Test Pit No. 1 2.0 minutes per inch Depth of Test Pit 104 Depth to ground water DRY

Test Pit No. 2 ..... minutes per inch Depth of Test Pit ..... Depth to ground water .....

Description of Soil TP1-1 0-18 TOPSOIL 18-26 SUBSOIL 26-52 COMPACT SILT 52-89 SLIGHTLY COMPACT SILT 89-144 FINE SAND NO H2O
TP1-2 0-18 TOPSOIL 18-26 SUBSOIL 26-96 COMPACT SILT 96-144 FINE SAND NO H2O

Nature of Repairs or Alterations — Answer when applicable .....

Agreement:

The undersigned agrees to install the aforedescribed 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 X William E Pressnotty Oct 23, 89
Date

Application Approved By ..... Date

Application Disapproved *for the following reasons:* ..... Date

Permit No. 89-17 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 (✓) or Repaired ( ) by Richard Roberts
Installer

at LOT 140 Woodlot Road

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. 89-17 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. 89-17 TOWN OF Amherst FEE 60 Pd.

Disposal Works Construction Permit

Permission is hereby granted Richard Roberts

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

at No. LOT 140 WOODLOT ROAD
Street

as shown on the application for Disposal Works Construction Permit No. 89-17 Dated .....

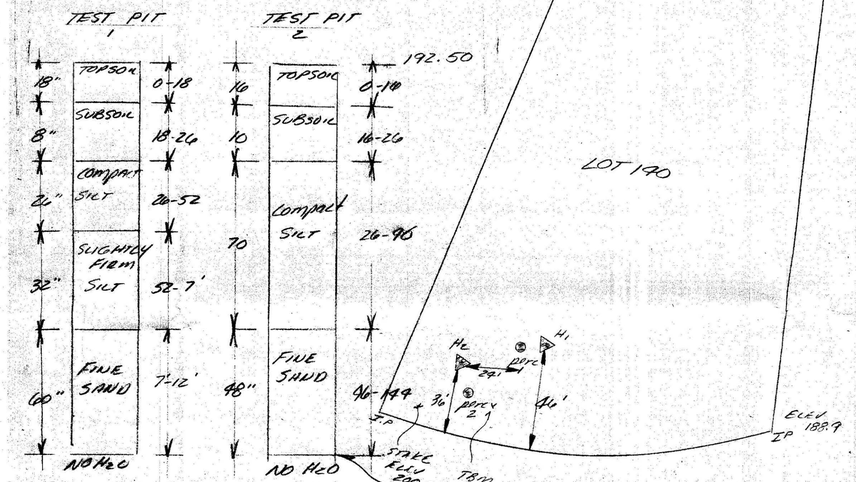
Board of Health Board of Health

DATE 10/24/89

FORM 1255 A. M. SULKIN, BOSTON

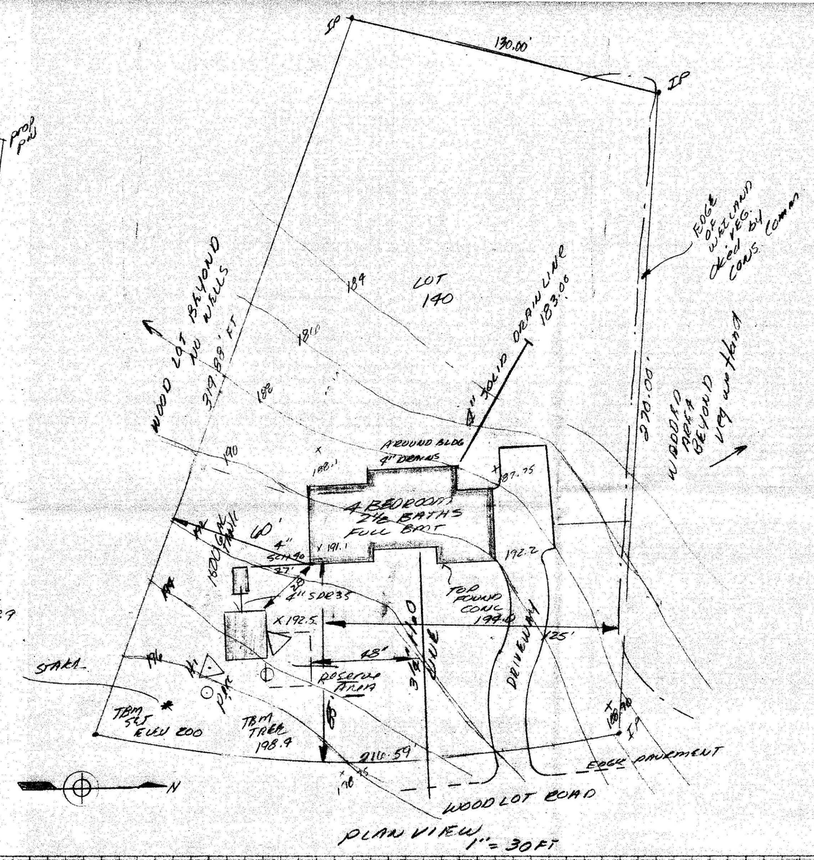
CHECK OR FILL IN WHERE APPLICABLE

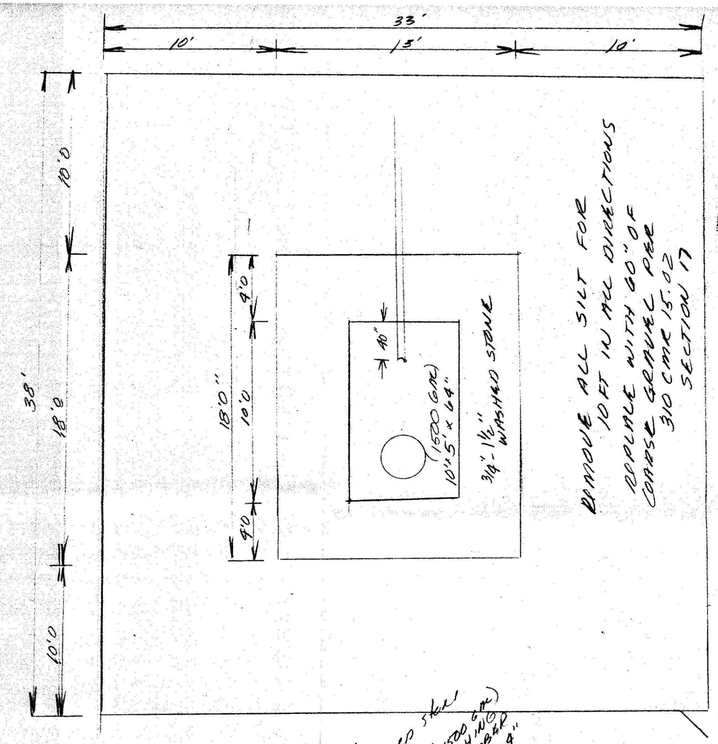
PERCOLATION TEST INFORMATION

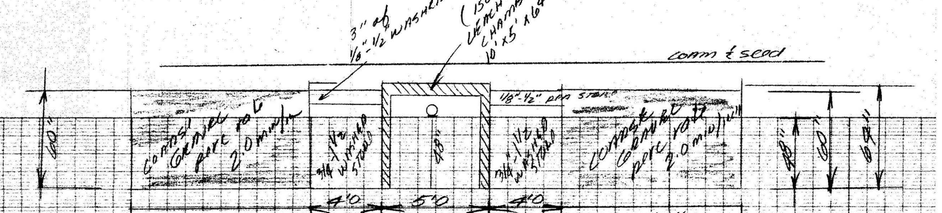


DATE April 25, 1989
ENGR FILIOS ENTERPRISES INC
F.A FILIOS
WITNESS D. ZAROZINSKI Bd OF HEALTH
LOCATION LOT 140 (CLEMENT SELDIN)
WOODLOT ROAD
AMHERST MASS
PERMEABILITY RATE
DEPTH 104"
RATE 2.0 MIN/INCH

H89-17
Remove Around System







DESIGN INFORMATION

ALL CONSTRUCTION TO BE IN ACCORDANCE WITH 310 CMR 15 TITLE 5 AND LOCAL BOARD OF HEALTH REGULATIONS

FINISH GRADING AND EXISTING PROFILE TO REMAIN SIMILAR. ALL DISTURBED AREAS TO BE LOAMED AND SEEDED

DESIGN CRITERIA

USE: SINGLE FAMILY RESIDENTIAL STRUCTURE
4 BEDROOM
FOUNDATION DRAINS
2½ BATHROOMS
WITH DISPOSAL

DESIGN FLOW 310 CMR 15.02

440 GAL/BEDROOM × 4 = 440 GAL/DAY
AMHERST REGULATION
440 GAL/1.25% = 550 GALS
WITH DISPOSAL
550 × 150% = 825 GALS

SEPTIC TANK 310 CMR 15.00 WITH DISPOSAL
550 GALS × 200 = 1100 GAL
MINIMUM TANK PERMITTED WITH DISPOSAL
1500 GALS
10'6" × 5'0 × 5'0
59" FROM BASE TO INVERT INVT

DISPOSAL SYSTEM
310 CMR 15.11
USE 1500 gal vertical chamber WITH 4 FT OF STONE ALL SIDES

PERC RATE 2.0 MIN/INCH
PERMEABILITY
310 CMR 15.03
BOTTOM 1.0 GAL/FT²
SIDEWALL 2.5 GAL/FT²

EFFECTIVE WIDTH 13'0
EFFECTIVE LENGTH 18'0
EFFECTIVE DEPTH 48"

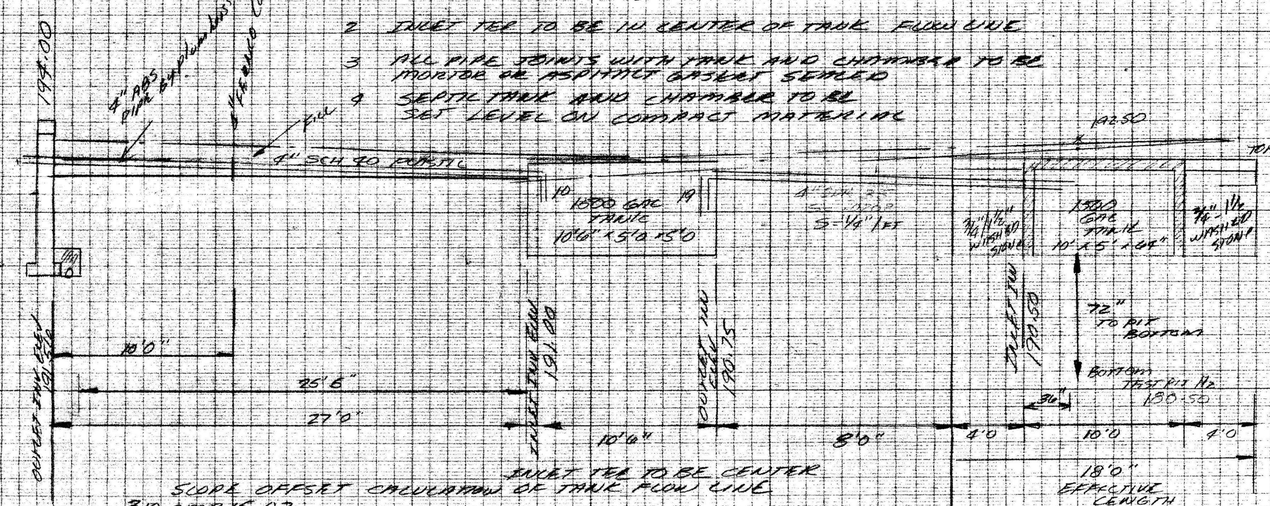
BOTTOM AREA
13'0 × 18'0 = 234 FT²
SIDEWALL AREA
13' × 48"/12 × 2 + 18' × 48/12 × 2 = 248 FT²
TOTAL PERM
248 × 2.5 + 234 × 1.0 = 854 GAL/DAY
MEETS CODE & REGULATIONS

TBM SET AT ROOD PIN
ELEV 200.00

SEPTIC SYSTEM DESIGN
ROOF CENTER LINE OF PIPE
SCALE 1" = 4 FT VERT
1" = 4 FT HORZ

JUSTIFICATION NOTES

1 SEPTIC TANK TO HAVE INLET AND OUTLET TEES IN ACCORDANCE WITH 310 CMR 15.00 SECTION 5.7
2 INVERT TEE TO BE IN CENTER OF TANK FLOW LINE
3 ALL PIPE JOINTS WITH TANK AND CHAMBER TO BE MORTAR OR ASPHALT GASKET SEALED
4 SEPTIC TANK AND CHAMBER TO BE SET LEVEL ON COMPACT MATERIAL



SCALE OFFSET CALCULATION OF TANK FLOW LINE
310 CMR 15.03
REQUIRED
150 FT 4/65 = 9.3 FT REQ'D
AVAILABLE AT BASE OUT ELEVATION 191.08
AVAILABLE 9.3 FT
Exceeds code requirements

SEPTIC SYSTEM DESIGN
LOT 140
WOODLOT ROAD
AMHERST, WOODS
AMHERST MASS
T. & C. GOULD

ENGR LOT SURVEYOR
DATE OCT 19, 1989

COMMONWEALTH OF MASSACHUSETTS
WILLIAM J. DONOVAN
No. 21
REGISTERED PROFESSIONAL ENGINEER

No. 87-22

Fee 90.00

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

TOWN OF AMHERST

Application for Disposal Works Construction Permit

COMMONWEALTH OF MASSACHUSETTS FREDERICK A. FILIOS, R.S. 688

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

WOODLOT LANE — Location - Address; LOT 142 — or Lot No.

Henry Whitlock — Owner; 181 North Street Belchertown, MA. — Address

Stoney's ERC — Installer; Address

Type of Building — Size Lot 20,556± Sq. feet

Dwelling — No. of Bedrooms 4 — Expansion Attic ( ) — Garbage Grinder (✓)

Other — Type of Building ..... No. of persons ..... Showers ( ) — Cafeteria ( )

Other fixtures .....

Design Flow 82.5 gallons per person per day. Total daily flow 660x1.25=825 gallons.

Septic Tank — Liquid capacity 1500 gallons Length 10.5' Width 5' Diameter ..... Depth 5'

~~Disposal Trench No.~~ ..... Width 7' Total Length 33' Total leaching area 263.2 sq. ft. sides

Seepage Pit No. 2 ~~Diameter~~ ..... Depth below inlet 2.8' Total leaching area 231 sq. ft. Bottom

Other Distribution box ( ) Dosing tank ( )

Percolation Test Results Performed by F.A. Filios Date 3/5/86

Test Pit No. 1 4 minutes per inch Depth of Test Pit 10' 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 aforedescribed 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 Henry E. Whitlock 10/15/87 Date

Application Approved By ..... Date

Application Disapproved *for the following reasons:* ..... Date

Permit No. 87 - 22 Issued ..... Date

CHECK OR FILL IN WHERE APPLICABLE

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 ..... 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. 87 - 22 dated .....

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

DATE ..... Inspector .....

Designer to provide written certification that the sewage disposal system is installed in accordance with the approved (Dec 2, 1987 revision) plan and permit requirements Title 5 reg 15.02(8).

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

TOWN OF AMHERST

No. 87 - 22 Fee .....

Disposal Works Construction Permit

Permission is hereby granted Henry Whitlock Stoney's Excavating to Construct (✓) or Repair ( ) an Individual Sewage Disposal System

Lot No. Lot 142 Woodlot Lane — Street

as shown on the application for Disposal Works Construction Permit No. 87-22 Dated .....

for Amherst Health Dept. Donald A. Pinski — Board of Health

DATE Dec. 7, 1987

FORM 1255 HOBBS & WARREN, INC., PUBLISHERS

TOWN AMHERST

Henry Whitlock

Lot 142 Woodlot Lane

No. ..... Fee .....

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

TOWN OF AMHERST

Application for Disposal Works Construction Permit

COMMONWEALTH OF MASSACHUSETTS — FREDERICK A. FILIOS, R.S. 688

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

WOODLOT LANE — Location - Address; LOT 142 — or Lot No.

Henry Whitlock — Owner; 181 North Street Belchertown MA. — Address

Installer — Address

Type of Building — Size Lot 20,556± Sq. feet

Dwelling — No. of Bedrooms 4 — Expansion Attic ( ) — Garbage Grinder ( )

Other — Type of Building ..... No. of persons ..... Showers ( ) — Cafeteria ( )

Other fixtures .....

Design Flow 82.5 gallons per person per day. Total daily flow 660 x 1.25 = 825 gallons.

Septic Tank — Liquid capacity 1500 gallons Length 10.5' Width 5' Diameter ..... Depth 5'

~~Disposal Trench No.~~ ..... Width 7' Total Length 33' Total leaching area 263.2 sq. ft. Sides

Seepage Pit No. 2 ~~Diameter~~ ..... Depth below inlet 2.8' Total leaching area 231 sq. ft. Bottom

Other Distribution box ( ) Dosing tank ( )

Percolation Test Results Performed by F.A. Filios Date 3/5/86

Test Pit No. 1 4 minutes per inch Depth of Test Pit 10' 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 aforedescribed 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. 87 - 22 Issued ..... Date

CHECK OR FILL IN WHERE APPLICABLE

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 ..... 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. 87 - 22 dated .....

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

DATE ..... Inspector .....

Designer to provide written certification that the sewage disposal system is installed in accordance with the approved (Dec 2, 1987 revision) plan and permit requirements Title 5 15.02 (8)

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

TOWN OF AMHERST

No. 87 - 22 Fee .....

Disposal Works Construction Permit

Permission is hereby granted Henry Whitlock Stanley's Excavating

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

at No. Lot 142 Woodlot Lane — Street

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

for Amherst Health Dept. Donald A. Rhoda — Board of Health

DATE Dec. 7, 1987

FORM 1255 HOBBS & WARREN, INC., PUBLISHERS

DEEP SOIL LOGS

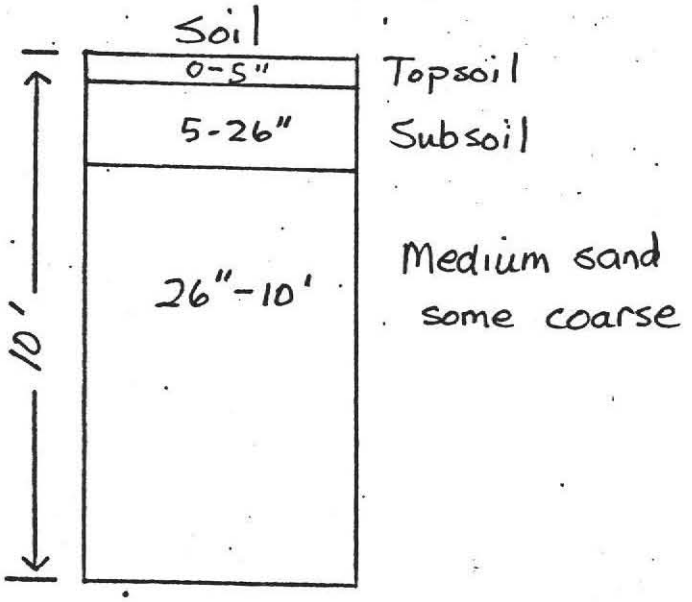
OWNER Jeffrey W. Flower

DATE March 5, 1986

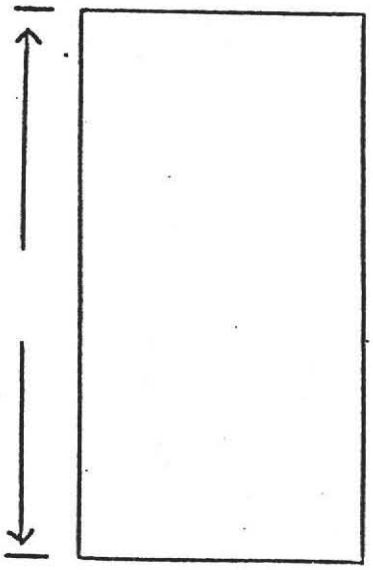
LOCATION Lot 142 Amherst Woods
Amherst, MA

OBSERVER F.A. Filios

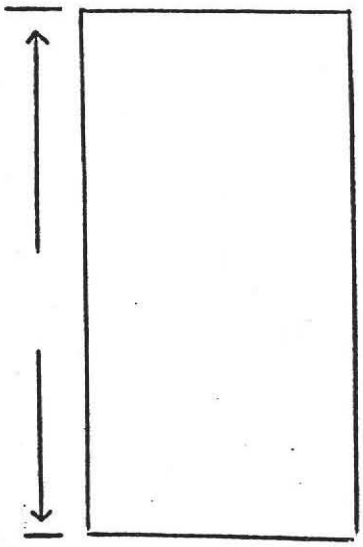
B of H C. Drake



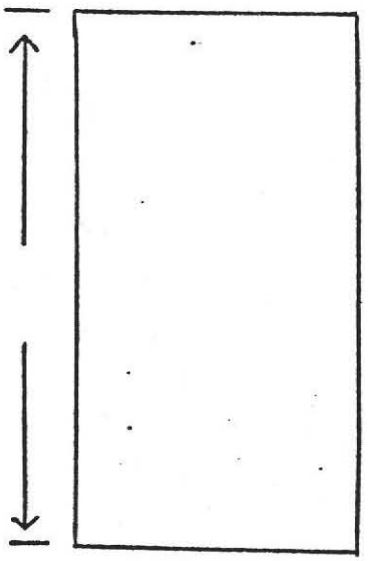
GROUND WATER at 10' oxides 70" = 5.8'



GROUND WATER _____



GROUND WATER _____



GROUND WATER _____

PERCOLATION RATE AT 45 :

4 min./inch

COMMONWEALTH OF MASSACHUSETTS
FREDERICK A. FILIOS, R.S. 688

PLAN SHOWING SEWAGE DISPOSAL SYSTEM

FOR: HENRY WHITLOCK
181 NORTH STREET
AMHERST, MA. 01002

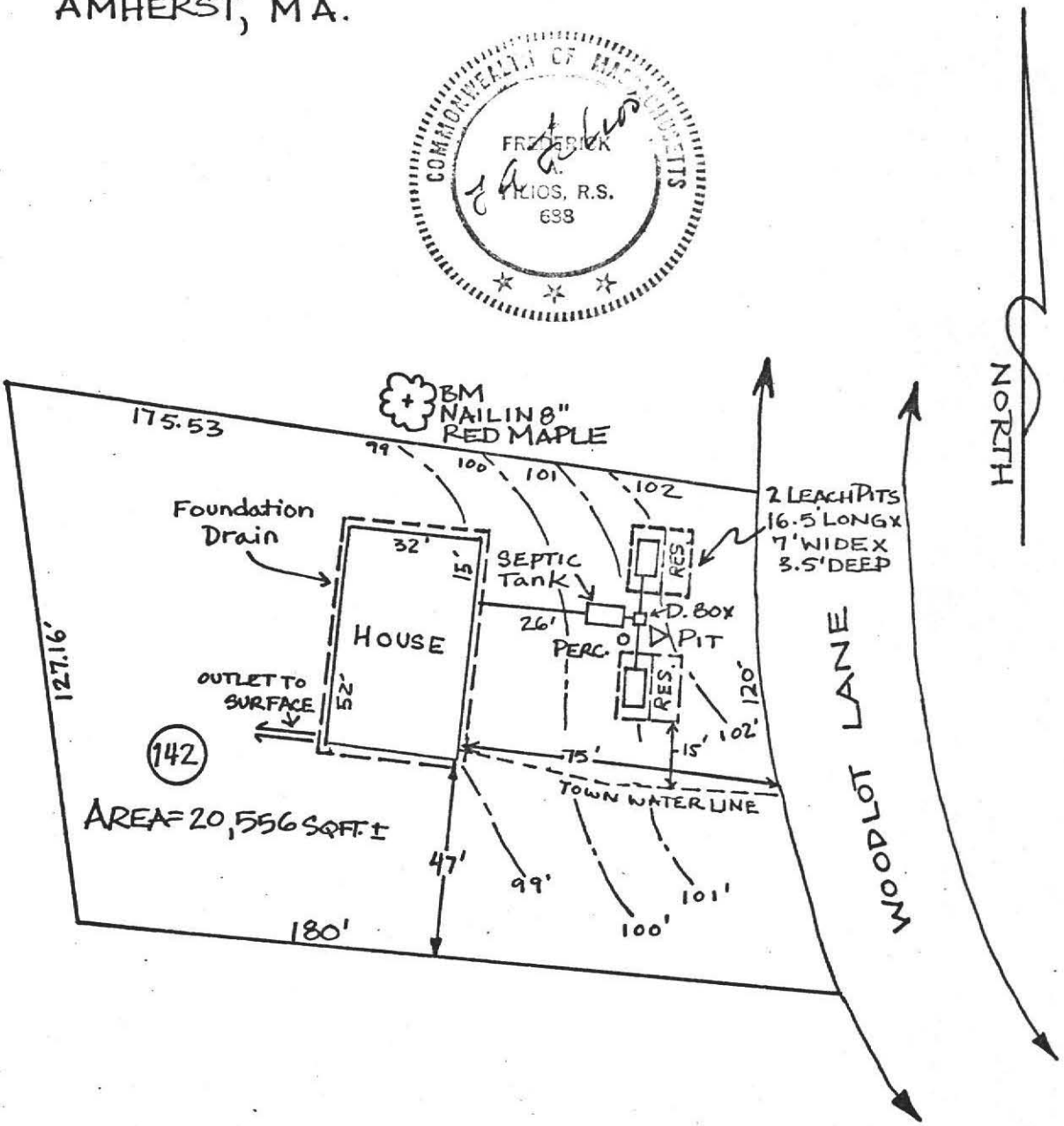
BY: FILIOS ENTERPRISES, INC.
69 PELHAM ROAD
AMHERST, MA. 01002

SITE: LOT 142
WOODLOT LANE
AMHERST WOODS
AMHERST, MA.

SCALE: 1" = 40'

DATE: MAY 22, 1987

COMMONWEALTH OF MASSACHUSETTS
FREDERICK A. FILIOS, R.S.
698



FOR: HENRY WHITLOCK
181 NORTH ST.
BELCHERTOWN, MA.

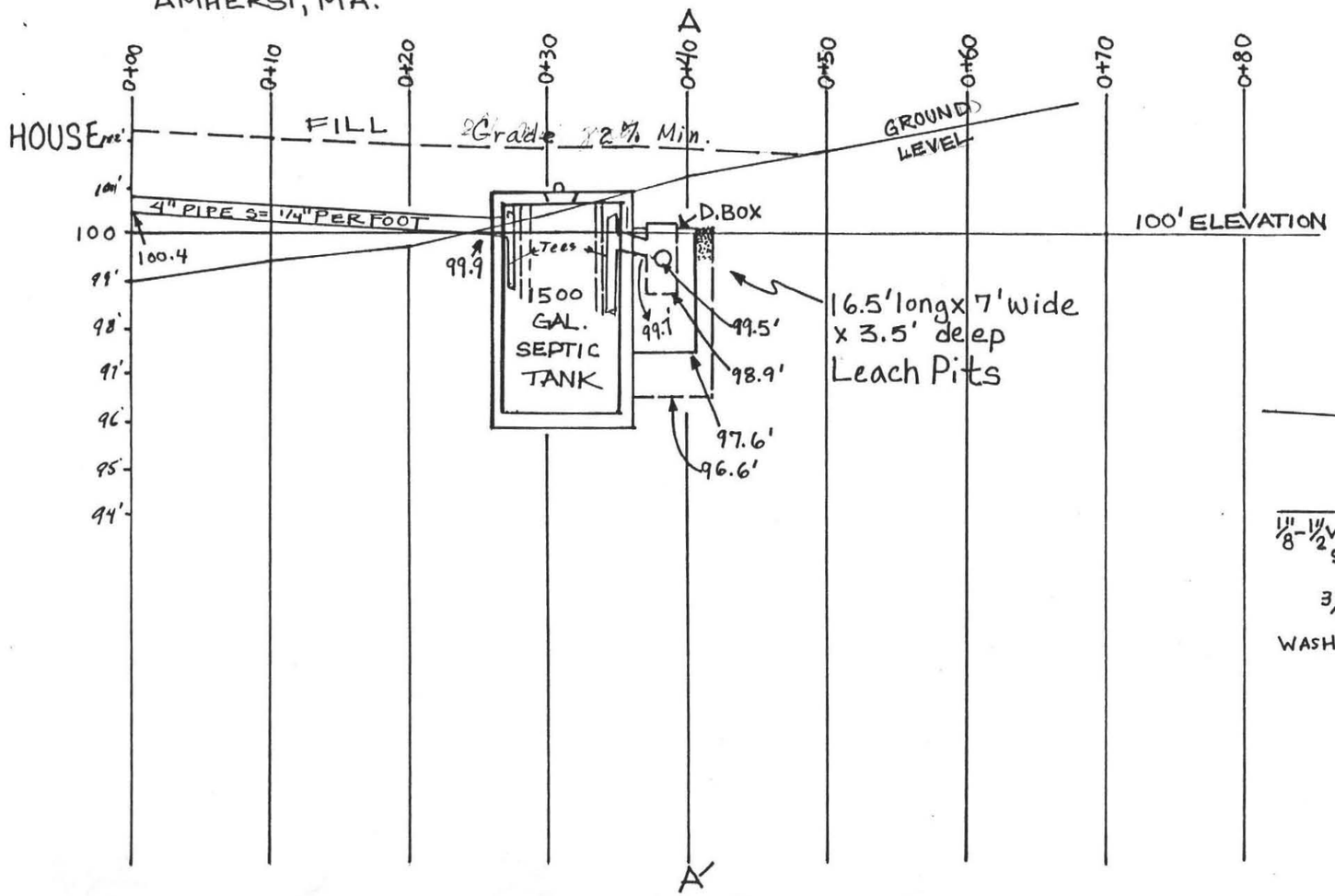
SITE: LOT 142, WOODLOT LANE
AMHERST, MA.

PROFILE OF SEPTIC SYSTEM

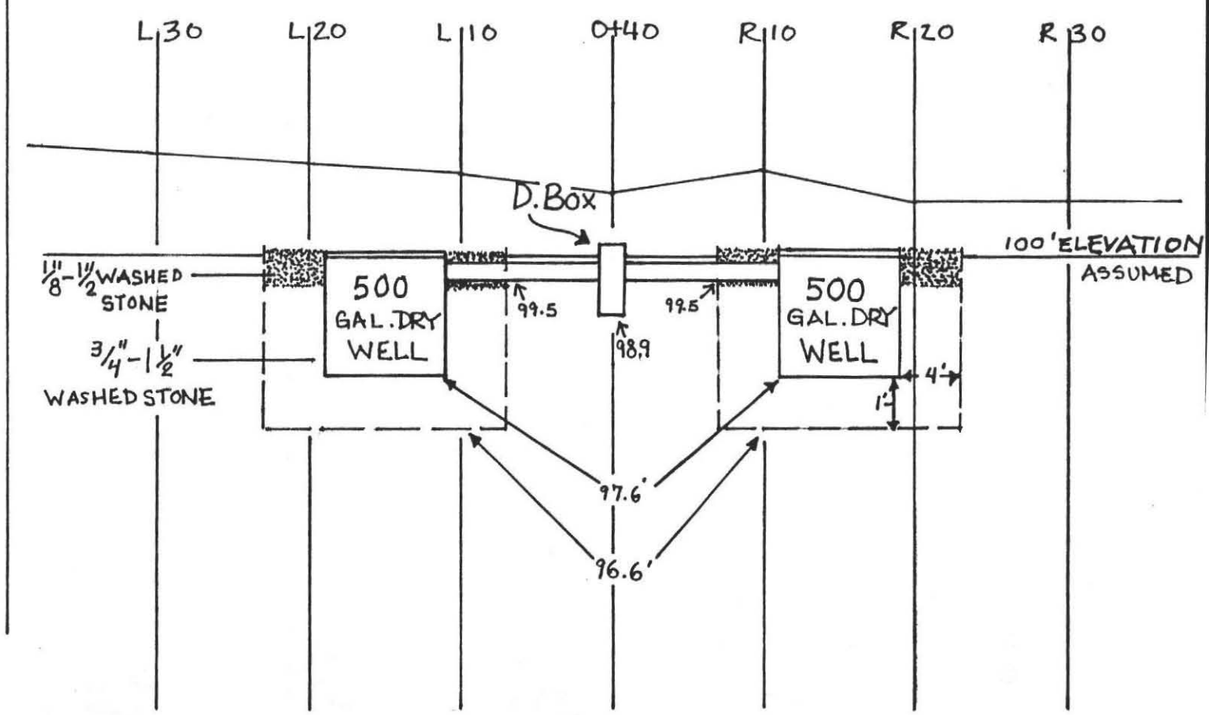
SCALE: HORIZONTAL: 1" = 10'
VERTICAL: 1" = 3'

BY: FILIOS ENTERPRISES, INC.
69 PELHAM RD.
AMHERST, MA. 01002

DATE: NOV. 17, 1987



CROSS-SECTION AT A-A' 0+40



SPECIFICATIONS

ALL MATERIALS AND CONSTRUCTION WILL BE IN ACCORDANCE WITH COMMONWEALTH OF MASSACHUSETTS D.E.Q.E. STATE ENVIRONMENTAL CODE TITLE 5.

CALCULATIONS

4 BDM x 110 = 440 + 50% FOR G.G. = 660 x 1.25 = 825 GALLONS
PERC. RATE = 4 MINS. / INCH SIDES = 2.0 GALLONS/SQ FT
BOTTOM = .83 GALLONS/SQ.FT.

2 LEACH PITS: 16.5' LONG x 7' WIDE x 3.5' DEEP
SIDES: 16.5' x 2.8' x 2 = 92.4 SQ.FT. x 2.5 GALLONS/SQ.FT. = 231 GALLONS
7' x 2.8' x 2 = 39.2 SQ.FT. x 2.5 GALLONS/SQ.FT. = 98 GALLONS
BOTTOM: 16.5' x 7' = 115.5 SQ.FT. x .83 GALLONS/SQ.FT. = 95.865 GALLONS
424.865 GALLONS

TOTAL = 424.865 x 2 = 849.73 GALLONS

? Revised

file copy only.

No.....

FEE.....

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH DEC 2 1987.

Town OF Amherst

COMMONWEALTH OF MASSACHUSETTS FREDERICK A. FILIOS, R.S. 688

Application for Disposal Works Construction Permit

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

Woodlot Lane — Location - Address

Lot 142 — or Lot No.

Henry Whitlock — Owner

181 North St Belchertown Ma. — Address

Installer — Address

Type of Building — Size Lot 20,556± Sq. feet

Dwelling — No. of Bedrooms 4 Expansion Attic ( ) Garbage Grinder (✓)

Other — Type of Building ..... No. of persons..... Showers ( ) — Cafeteria ( )

Other fixtures .....

Design Flow ~~825~~ 55 gallons per person per day. Total daily flow 660 x 1.25 = 825 gallons.

Septic Tank — Liquid capacity 1500 gallons Length 10.5' Width 5' Diameter..... Depth 5'

Disposal Trench — No. ..... Width..... Total Length..... Total leaching area..... sq. ft.

Seepage Pit No. 2 ~~Diameter~~ 7' x 16.5' Depth below inlet 2.8' Total leaching area 263.2 ~~231~~ sq. ft. sides Bottom

Other Distribution box ( ) Dosing tank ( )

Percolation Test Results Performed by F.A. Filios Date 3/5/86

Test Pit No. 1 4 minutes per inch Depth of Test Pit 10' 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 aforedescribed 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

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

OF.....

No..... FEE.....

Disposal Works Construction Permit

Permission is hereby granted.....

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

at No..... Street

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

Board of Health

DATE.....

CHECK OR FILL IN WHERE APPLICABLE

FORM 1255 HOBBS & WARREN, INC., PUBLISHERS

No..... FEE.....

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

Town OF Amherst

DEC 2 1987

Application for Disposal Works Construction Permit

COMMONWEALTH OF MASSACHUSETTS FREDERICK A. FILIOS, R.S. 688

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

Woodlot Lane (Location - Address) ..... Lot 142 (or Lot No.)

Henry Whitlock (Owner) ..... 181 North St. Belchertown Ma. (Address)

..... (Installer) ..... (Address)

Type of Building ..... Size Lot 20,556± Sq. feet

Dwelling — No. of Bedrooms 4 ..... Expansion Attic ( ) ..... Garbage Grinder (✓)

Other — Type of Building ..... No. of persons ..... Showers ( ) — Cafeteria ( )

Other fixtures .....

Design Flow ~~82.5~~ 55 gallons per person per day. Total daily flow 660 x 1.25 = 82.5 gallons.

Septic Tank — Liquid capacity 1500 gallons Length 10.5' Width 5' Diameter ..... Depth 5'

Disposal Trench — No. ..... Width ..... Total Length ..... Total leaching area ..... sq. ft.

Seepage Pit No. 2 Diameter 7' x 16.5' Depth below inlet 2.8' Total leaching area 263.2 / 231 sq. ft. sides Bottom

Other Distribution box ( ) Dosing tank ( )

Percolation Test Results Performed by F.A. Filios Date 3/5/86

Test Pit No. 1 4 minutes per inch Depth of Test Pit 10' 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:

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Signed ..... Date .....

Application Approved By ..... Date .....

Application Disapproved *for the following reasons:* .....

..... Date .....

Permit No. ..... Issued ..... Date

CHECK OR FILL IN WHERE APPLICABLE

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

..... OF .....

No. ..... FEE .....

Disposal Works Construction Permit

Permission is hereby granted .....

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

at No. ..... (Street)

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

..... (Board of Health)

DATE .....

FORM 1255 HOBBS & WARREN, INC., PUBLISHERS

DEEP SOIL LOGS

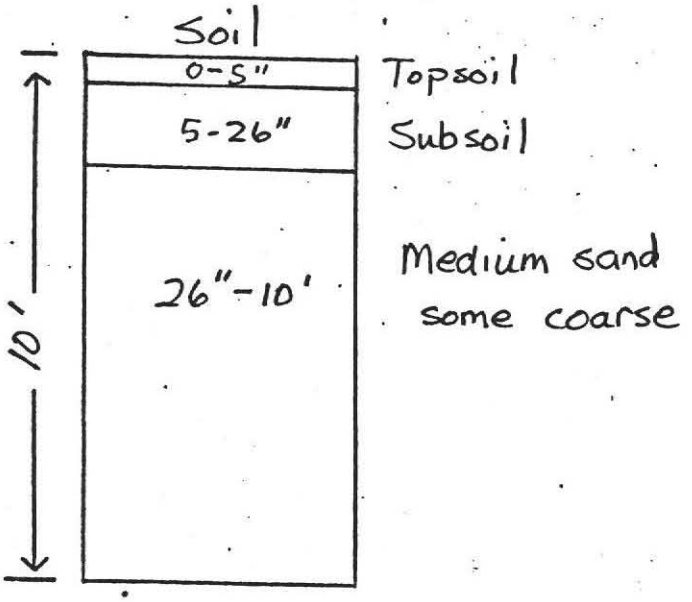
OWNER Jeffrey W. Flower

DATE March 5, 1986

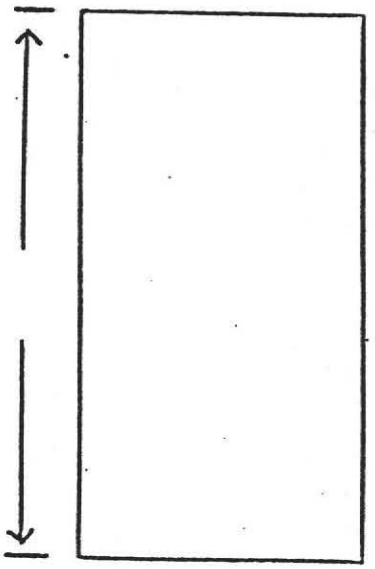
LOCATION Lot 142 Amherst Woods
Amherst, MA

OBSERVER F.A. Filios

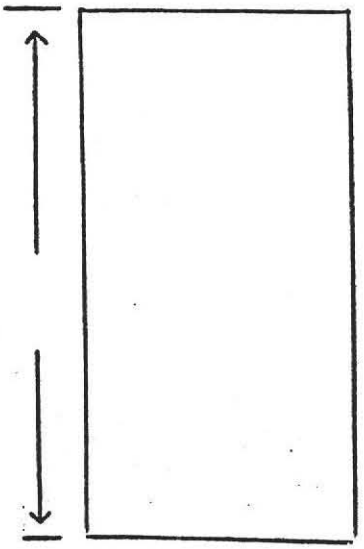
B of H C. Drake



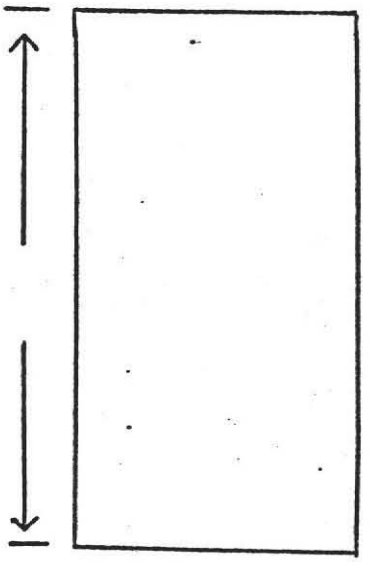
GROUND WATER at 10' oxides 70" = 5.8'



GROUND WATER _____



GROUND WATER _____



GROUND WATER _____

PERCOLATION RATE AT 45 :

4 min./inch

COMMONWEALTH OF MASSACHUSETTS
FREDERICK A. FILIOS, R.S.
688

PLAN SHOWING SEWAGE DISPOSAL SYSTEM

FOR: HENRY WHITLOCK
181 NORTH STREET
AMHERST, MA. 01002

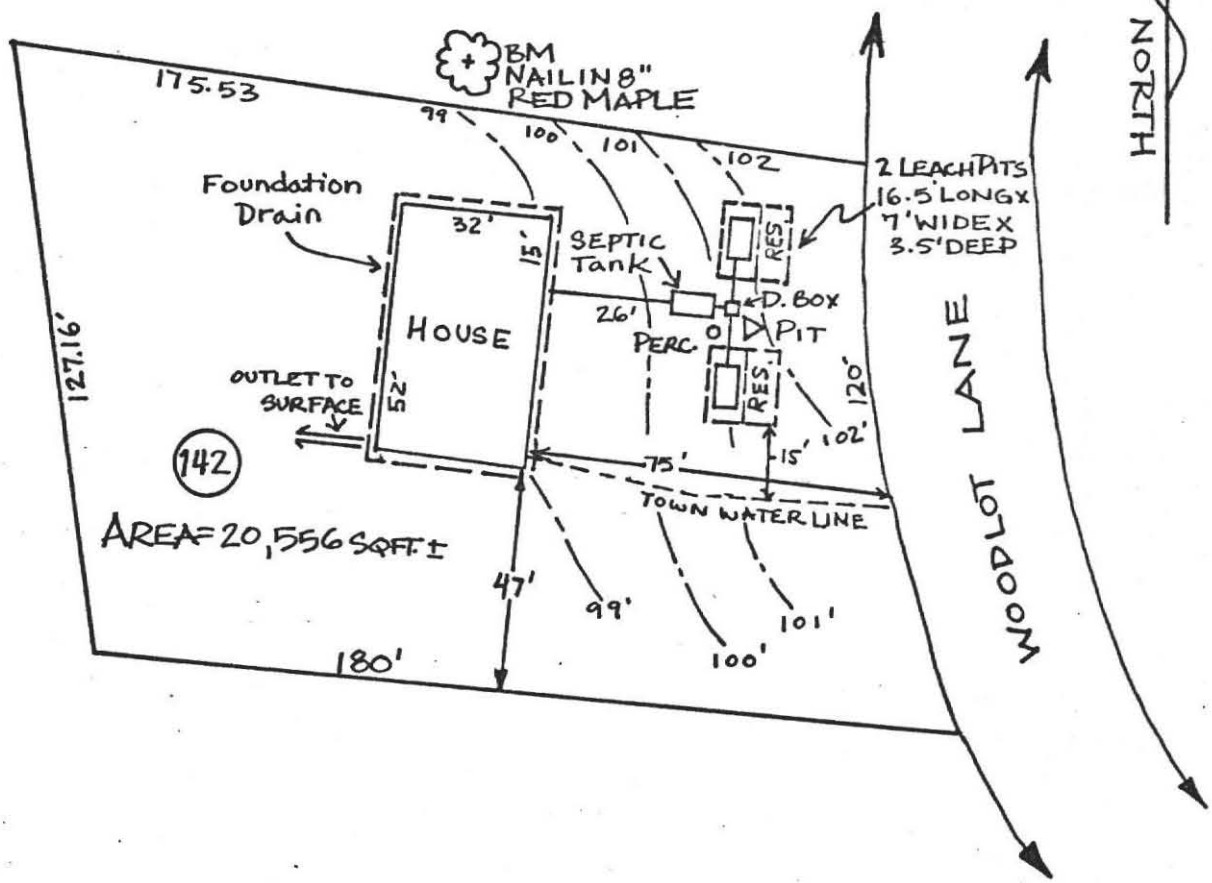
BY: FILIOS ENTERPRISES, INC.
69 PELHAM ROAD
AMHERST, MA. 01002

SITE: LOT 142
WOODLOT LANE
AMHERST WOODS
AMHERST, MA.

SCALE: 1" = 40'

DATE: MAY 22, 1987

COMMONWEALTH OF MASSACHUSETTS
FREDERICK G. FILIOS, R.S.
688



FOR: HENRY WHITLOCK
181 NORTH ST.
BELCHERTOWN, MA.

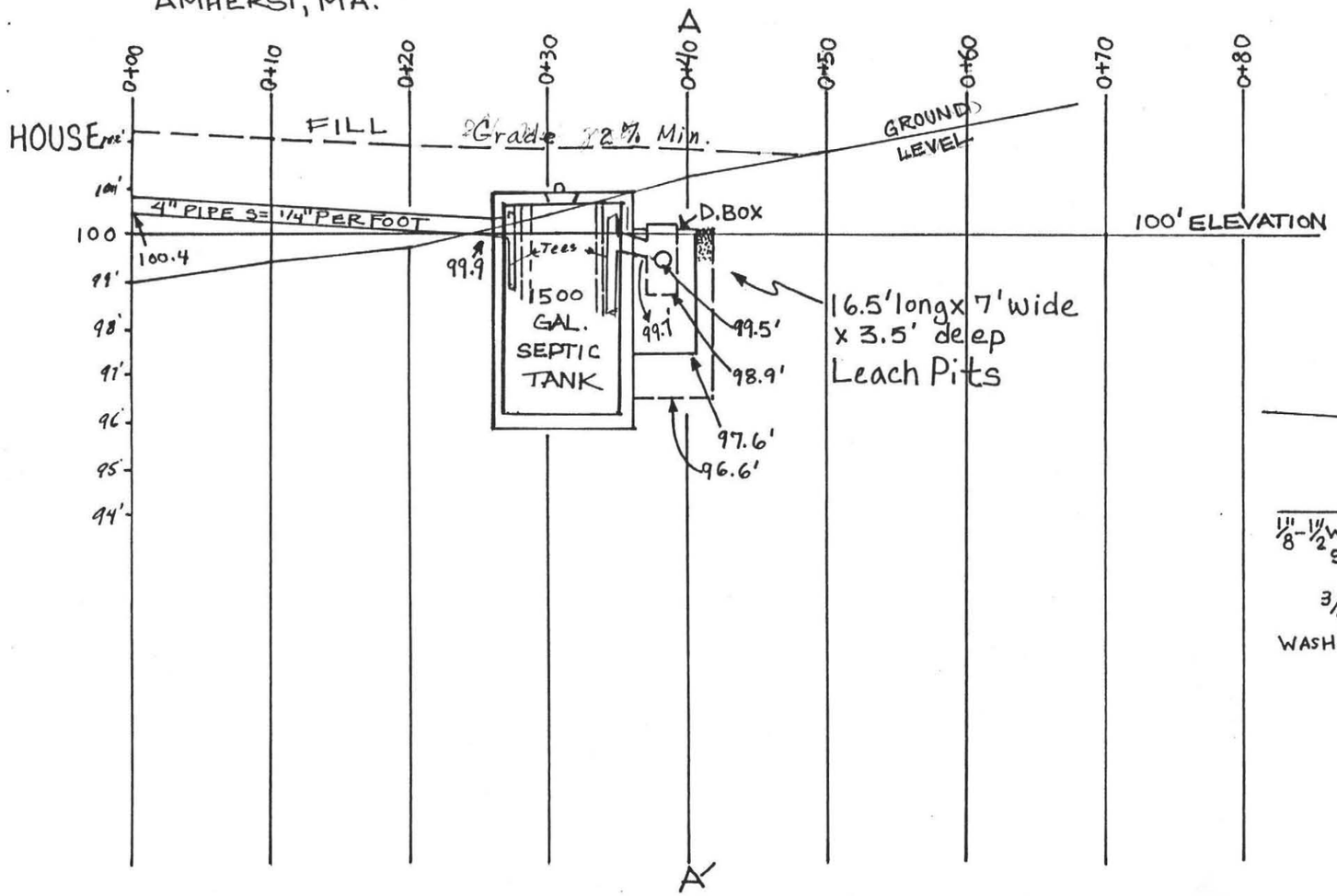
SITE: LOT 142, WOODLOT LANE
AMHERST, MA.

PROFILE OF SEPTIC SYSTEM

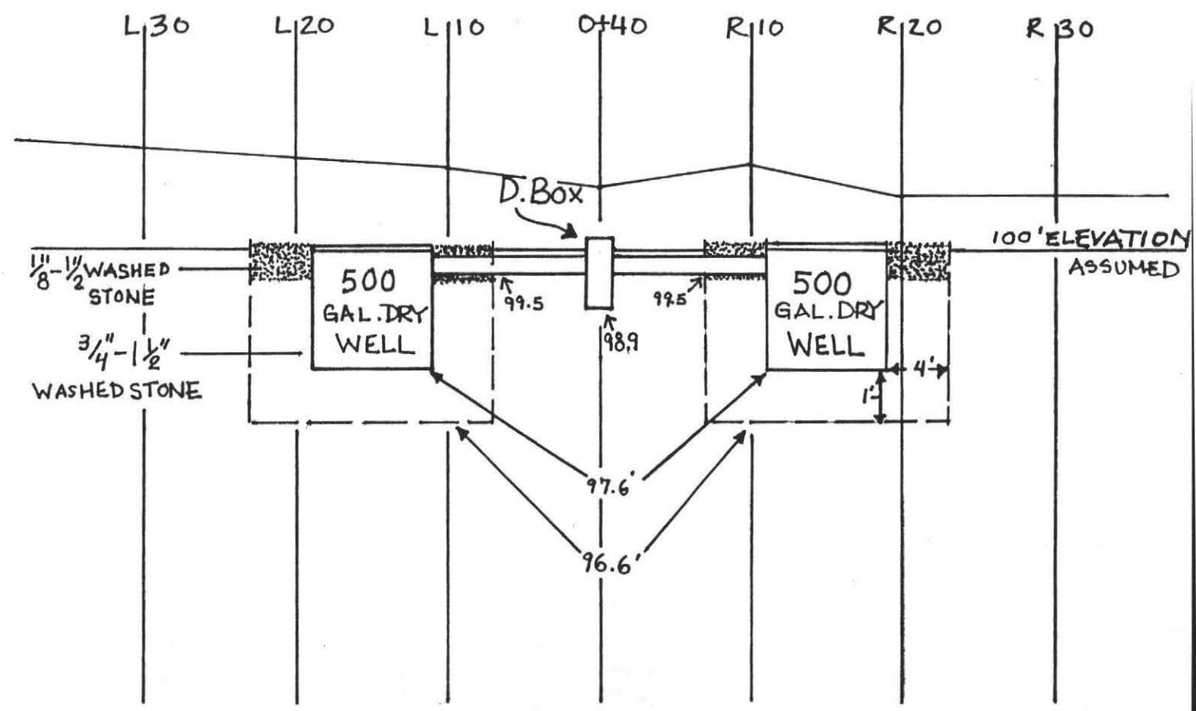
SCALE: HORIZONTAL: 1" = 10'
VERTICAL: 1" = 3'

BY: FILIOS ENTERPRISES, INC.
69 PELHAM RD.
AMHERST, MA. 01002

DATE: NOV. 17, 1987



CROSS-SECTION AT A-A' 0+40



SPECIFICATIONS

ALL MATERIALS AND CONSTRUCTION WILL BE IN ACCORDANCE WITH COMMONWEALTH OF MASSACHUSETTS D.E.Q.E. STATE ENVIRONMENTAL CODE TITLE 5.

CALCULATIONS

4 BDM x 110 = 440 + 50% FOR G.G. = 660 x 1.25 = 825 GALLONS
PERC. RATE = 4 MINS. / INCH SIDES = 2.0 GALLONS/SQ FT
BOTTOM = .83 GALLONS/SQ.FT.

2 LEACH PITS: 16.5' LONG x 7' WIDE x 3.5' DEEP
SIDES: 16.5' x 2.8' x 2 = 92.4 SQ.FT. x 2.5 GALLONS/SQ.FT. = 231 GALLONS
7' x 2.8' x 2 = 39.2 SQ.FT. x 2.5 GALLONS/SQ.FT. = 98 GALLONS
BOTTOM: 16.5' x 7' = 115.5 SQ.FT. x .83 GALLONS/SQ.FT. = 95.865 GALLONS
424.865 GALLONS

TOTAL = 424.865 x 2 = 849.73 GALLONS

87-22 (Whitlock)

DEEP SOIL LOGS

original design not approved DP file only

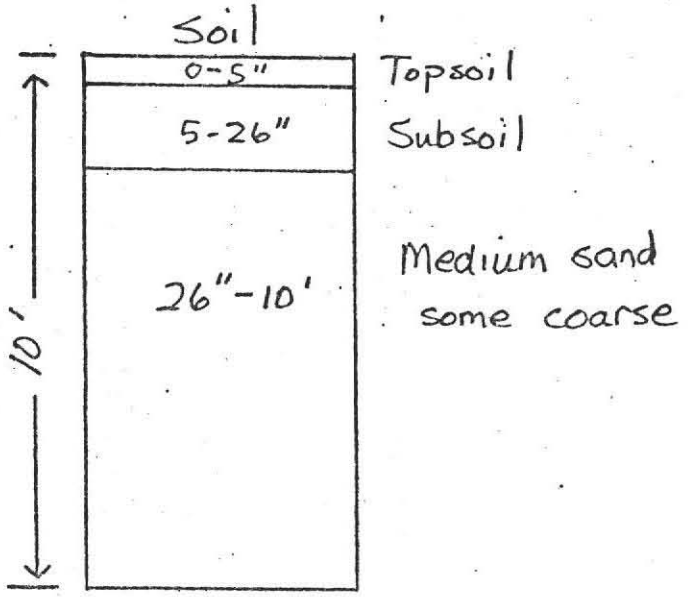
OWNER Jeffrey W. Flower woodlot Farne

DATE March 5, 1986

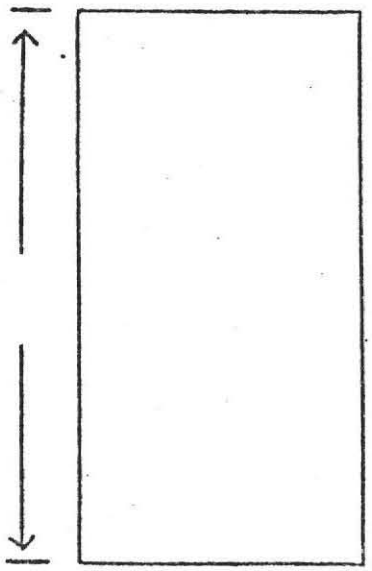
LOCATION Lot 142 Amherst Woods Amherst, MA

OBSERVER F. A. Filios

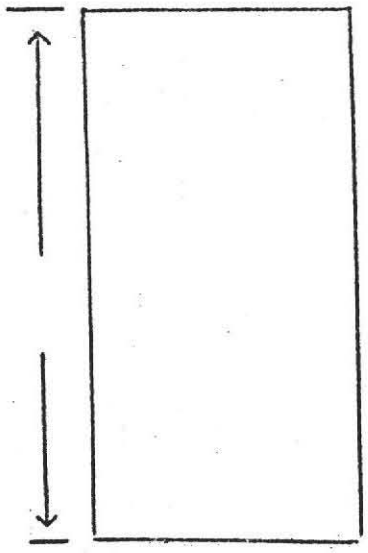
B of H C. Drake



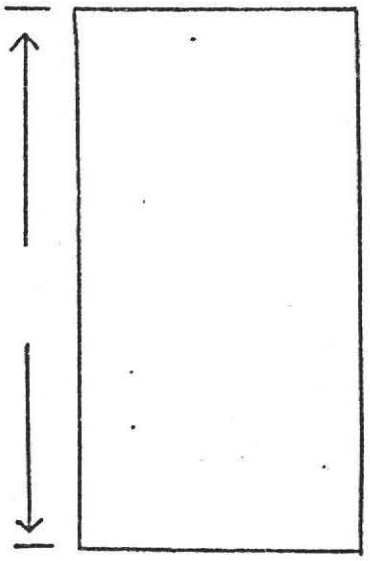
GROUND WATER at 10' oxides 70"



GROUND WATER _____



GROUND WATER _____



GROUND WATER _____

PERCOLATION RATE AT 45 :

4 min./inch

COMMONWEALTH OF MASSACHUSETTS
FREDERICK A. FILIOS, R.S. 688

PLAN SHOWING SEWAGE DISPOSAL SYSTEM

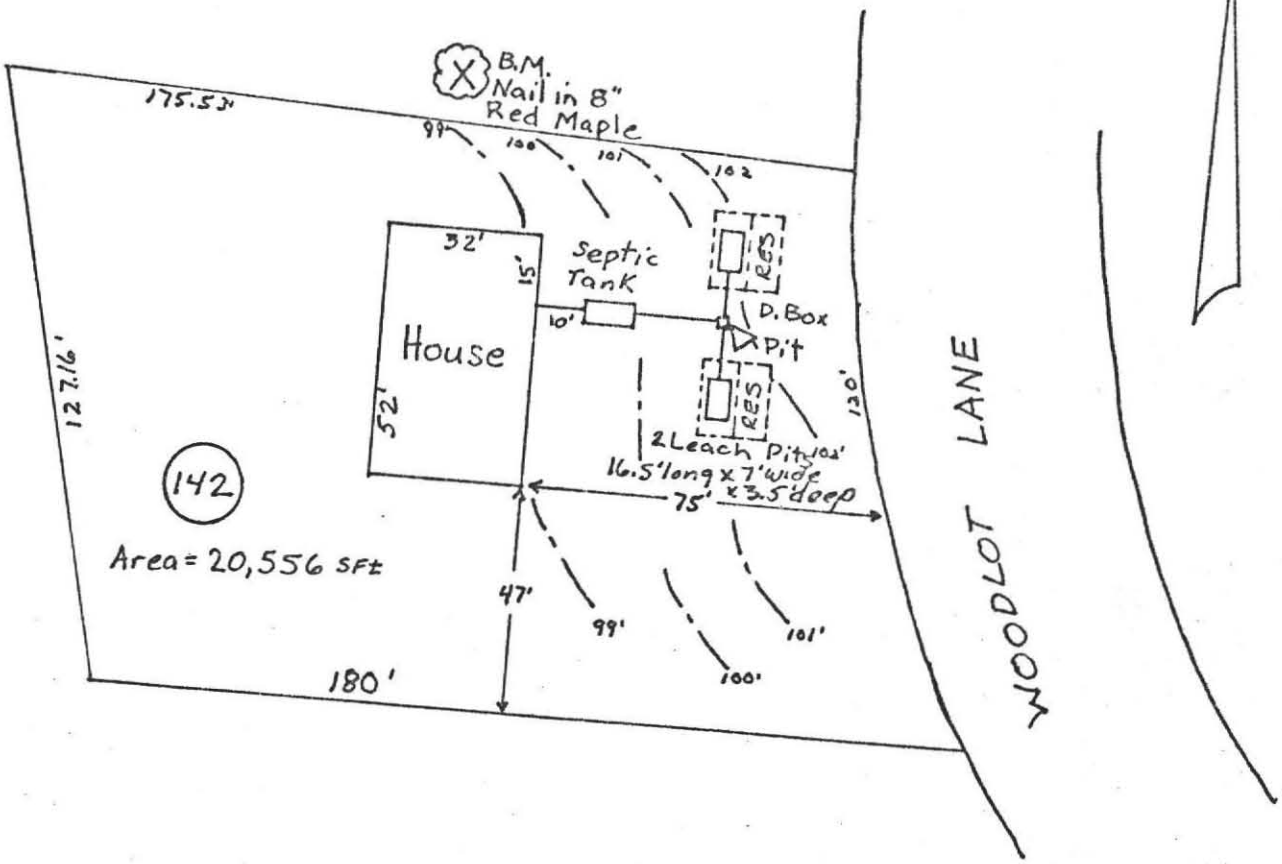
FOR: Henry Whitlock
181 North Street
Amherst, MA.

SITE: Lot 142
Woodlot Lane
Amherst Woods
Amherst, MA.

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

SCALE: 1" = 40'

DATE: May 22, 1987

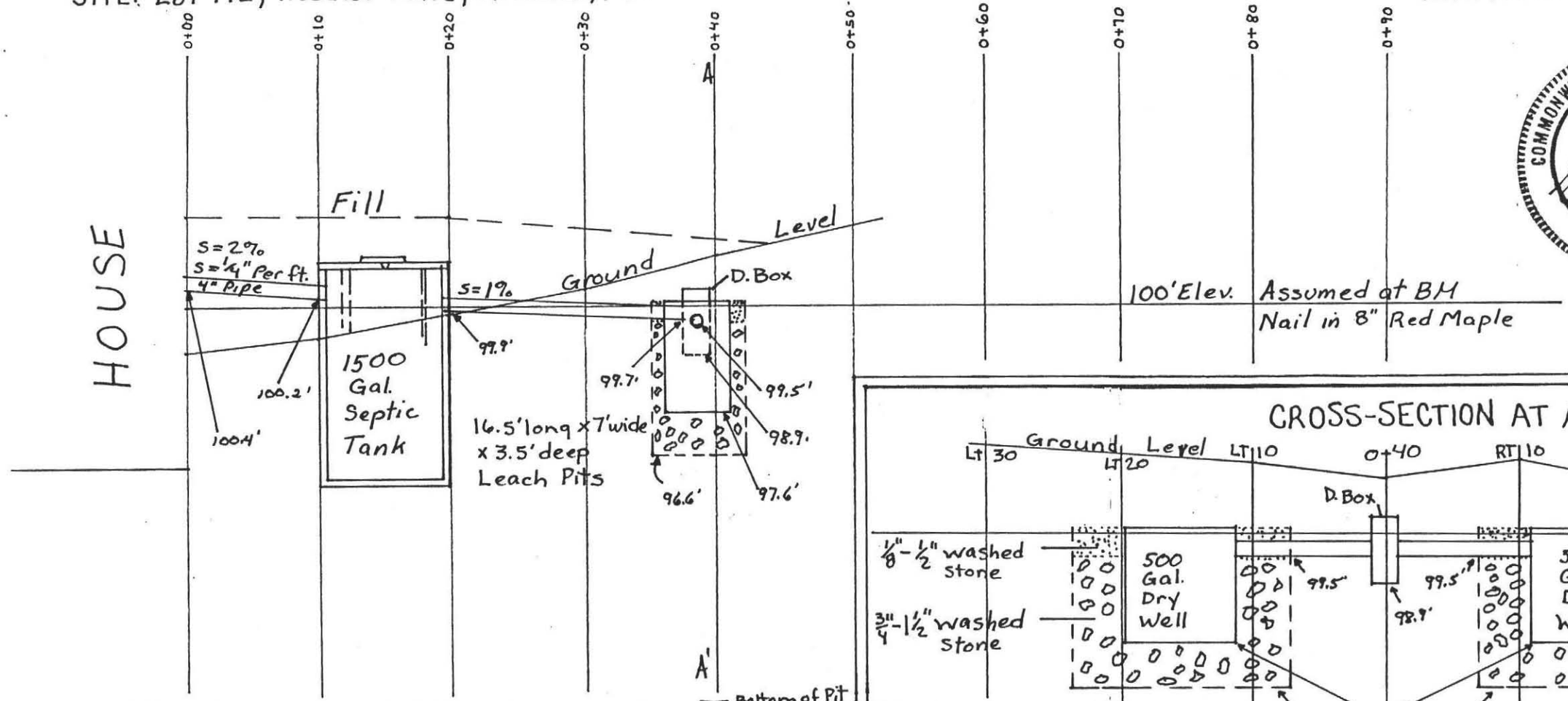


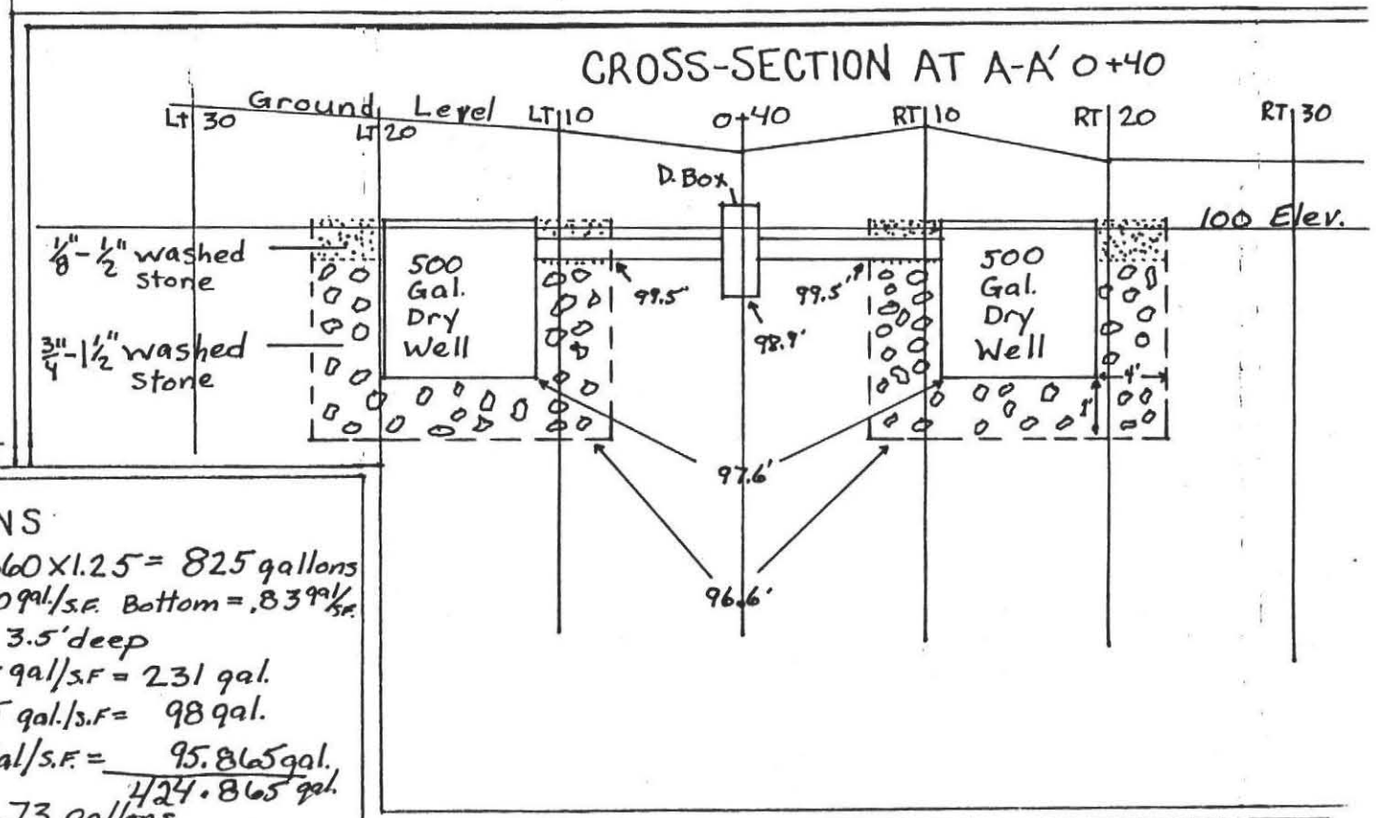
PROFILE OF SEPTIC SYSTEM

FOR: Henry Whitlock
181 North Street, Belchertown, MA.

SITE: Lot 142, Woodlot Lane, Amherst, MA.

BY: FREDERICK A. FILIOS W.T.
DATE: May 21, 1987
SCALE: HORIZONTAL: 1" = 10'
VERTICAL: 1" = 3'





COMMONWEALTH OF MASSACHUSETTS
FREDERICK A. FILIOS, R.S.
688

SPECIFICATIONS

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

CALCULATIONS

4 Bdm x 110 = 440 + 50% for G.G = 660 x 1.25 = 825 gallons
Perc Rate = 4 min/inch Sides = 2.0 gal/s.f. Bottom = .83 gal/s.f.
2 Leach Pits: 16.5' long x 7' wide x 3.5' deep
sides: 16.5' x 2.8' x 2 = 92.4 s.f. x 2.5 gal/s.f = 231 gal.
7' x 2.8' x 2 = 39.2 s.f. x 2.5 gal./s.f. = 98 gal.
Bottom: 16.5' x 7' = 115.5 s.f. x .83 gal/s.f. = 95.865 gal.
424.865 gal.
Total = 424.865 x 2 = 849.73 gallons

Bettye / Dennis I did inform Designer that plans were still deficient

Problems still not corrected 142 + 143

Whitlock Woodlot lane

(latest revisions)

310 CMR 15.02 (5)

1) location of percolation test not shown
2) location of proposed water line
3) plans should indicate there are no streams, surface, subsurface drains or wetlands within 100 feet If there are then locations should be specified on plan

15.03 (3) only one test pit shown minimum of 2 test pits required

15.06 (8) (9) Septic tank inlet and outlet tees required not shown

15.11 (10) plans do not indicate minimum 2 percent slope above and adjacent to leaching pit system to prevent accumulation of surface water

Also as previously recommended additional test pits should be conducted now to confirm consistent soils in septic area and confirm compliance with ground water requirements.

No. 87-22

FEE 90.00

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

TOWN OF AMHERST

COMMONWEALTH OF MASSACHUSETTS FREDERICK A. FILIOS, R.S. 683

Application for Disposal Works Construction Permit

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

WOODLOT LANE — Location - Address

LOT 142 — or Lot No.

Henry Whitlock — Owner

181 North Street Belchertown, MA. — Address

Stony end — Installer

Address

Type of Building — Size Lot 20,556± Sq. feet

Dwelling — No. of Bedrooms 4 Expansion Attic ( ) Garbage Grinder (✓)

Other — Type of Building ..... No. of persons ..... Showers ( ) — Cafeteria ( )

Other fixtures .....

Design Flow 82.5 gallons per person per day. Total daily flow 660 x 1.25 = 825 gallons.

Septic Tank — Liquid capacity 1000 gallons Length 10.5' Width 5' Diameter ..... Depth 5'

~~Disposal Trench No.~~ ..... Width 7' Total Length 33' Total leaching area 263.2 sq. ft. sides

Seepage Pit No. 2 ~~Diameter~~ ..... Depth below inlet 2.8' Total leaching area 231 sq. ft. Bottom

Other Distribution box ( ) Dosing tank ( )

Percolation Test Results Performed by F.A. Filios Date 3/5/86

Test Pit No. 1 4 minutes per inch Depth of Test Pit 10' 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 aforedescribed 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 Henry G. Whitlock 10/15/87 Date

Application Approved By ..... Date

Application Disapproved *for the following reasons:* .....

Date

Permit No. 87 - 22 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 (✓) 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

CHECK OR FILL IN WHERE APPLICABLE

DEEP SOIL LOGS

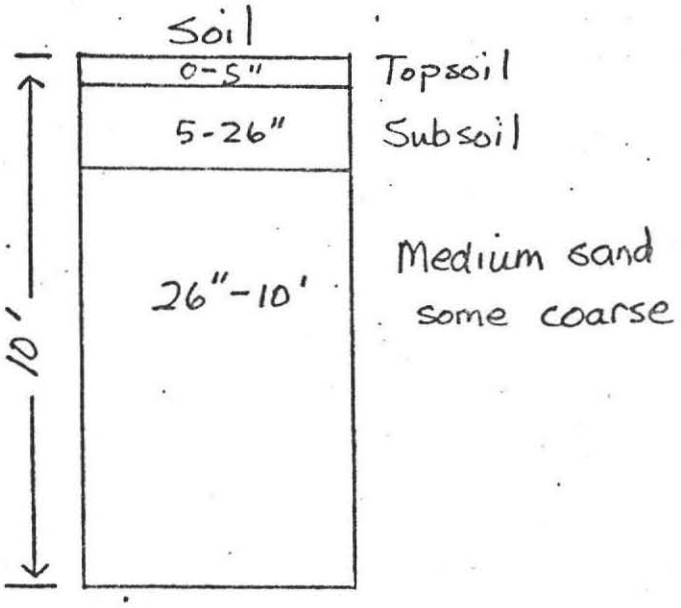
OWNER Jeffrey W. Flower

DATE March 5, 1986

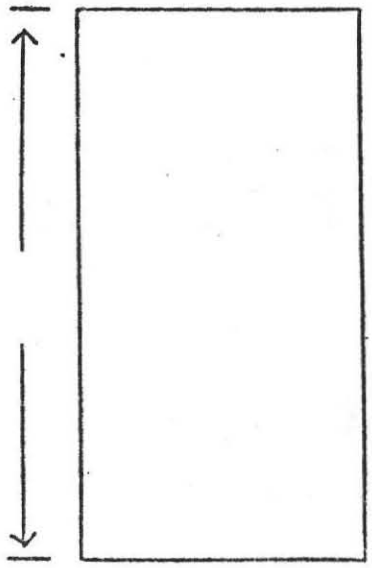
LOCATION Lot 142 Amherst Woods
Amherst, MA

OBSERVER F.A. Filios

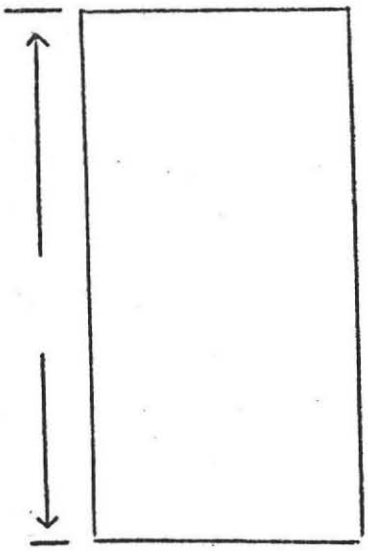
B of H C. Drake



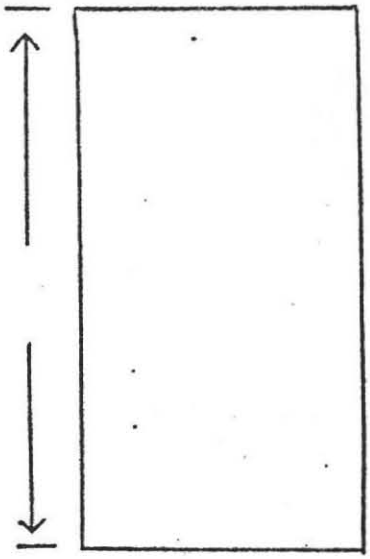
GROUND WATER at 10' oxides 70"



GROUND WATER



GROUND WATER



GROUND WATER

PERCOLATION RATE AT 45 :

4 min./inch

COMMONWEALTH OF MASSACHUSETTS
FREDERICK A. FILIOS, R.S.
688

PLAN SHOWING SEWAGE DISPOSAL SYSTEM

FOR: Henry Whitlock
181 North Street
Amherst, MA.

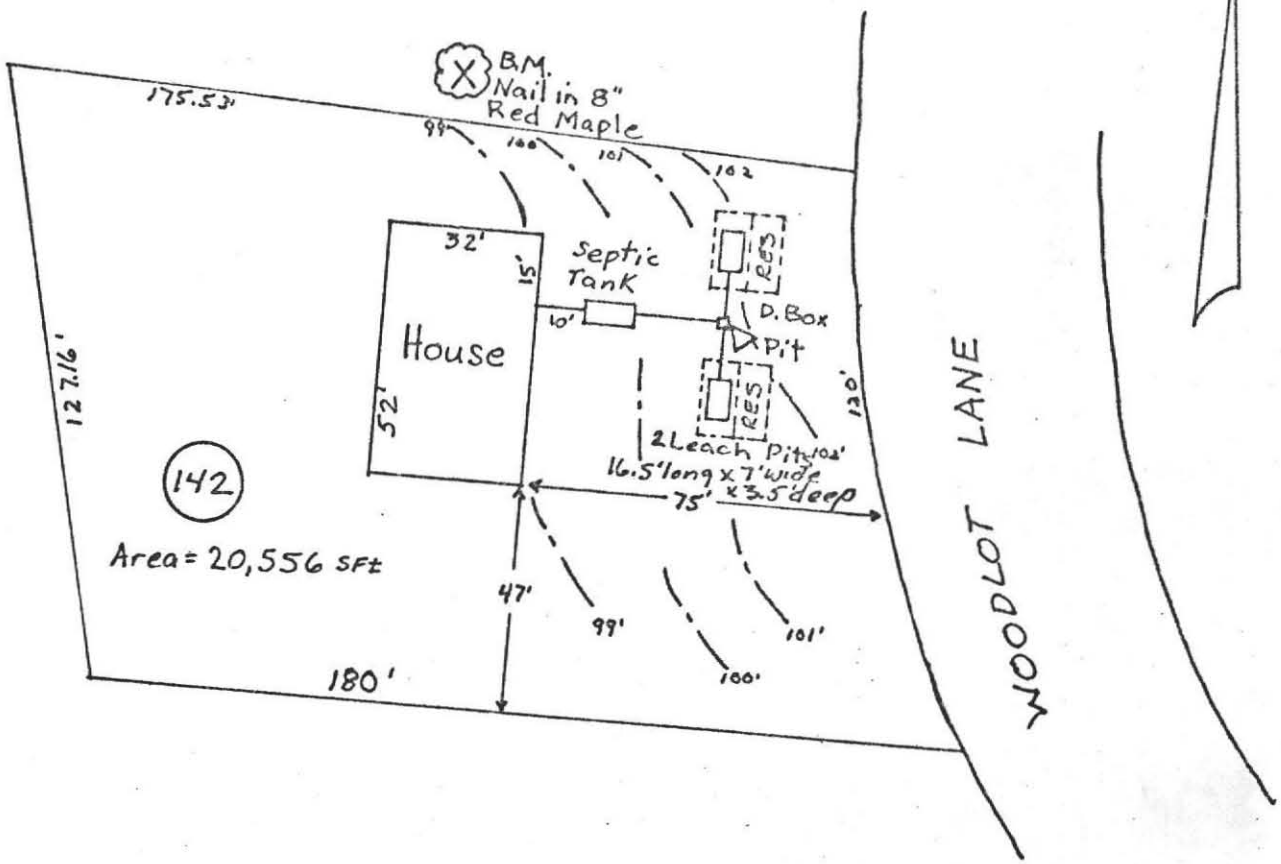
SITE: Lot 142
Woodlot Lane
Amherst Woods
Amherst, MA.

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

SCALE: 1" = 40'

DATE: May 22, 1987

COMMONWEALTH OF MASSACHUSETTS
FILIOS, R.S.
663



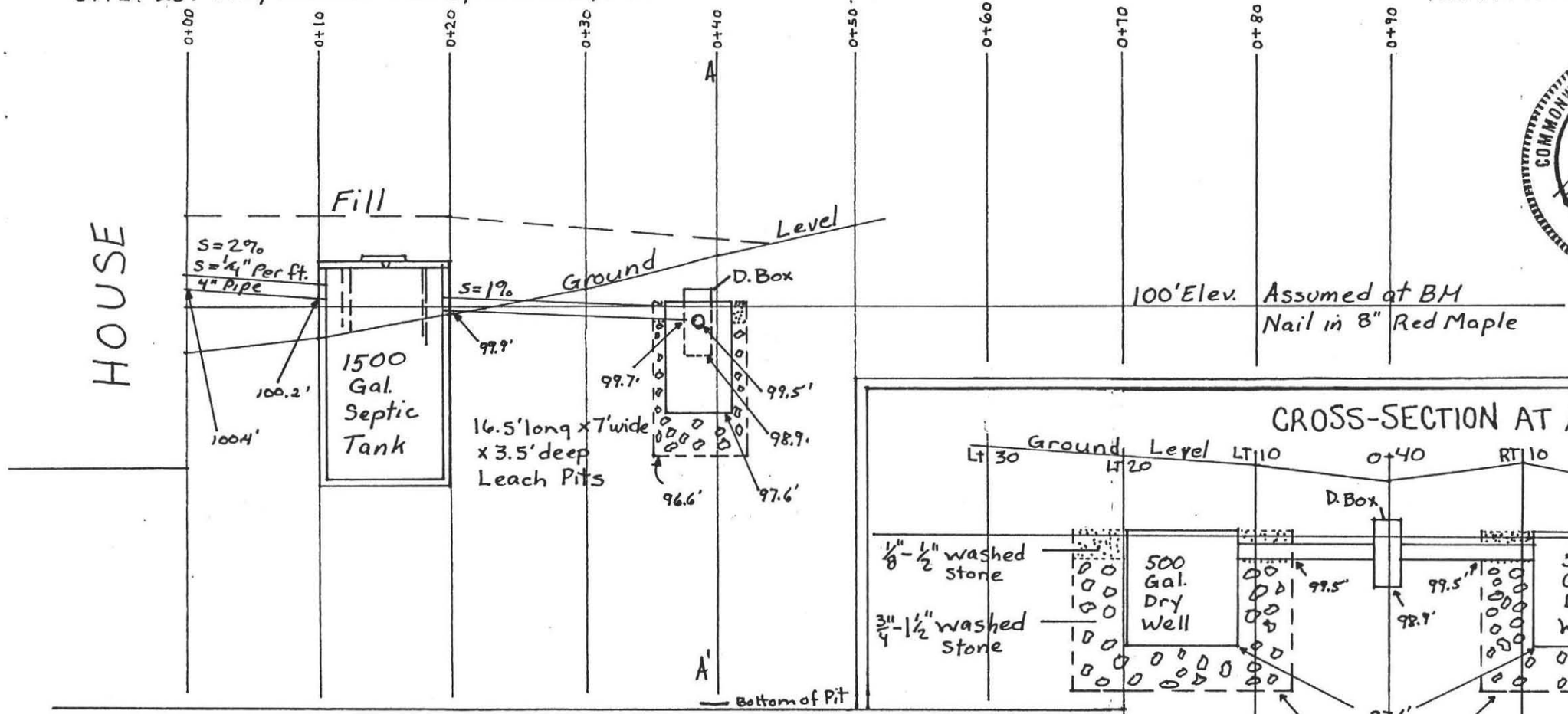
PROFILE OF SEPTIC SYSTEM

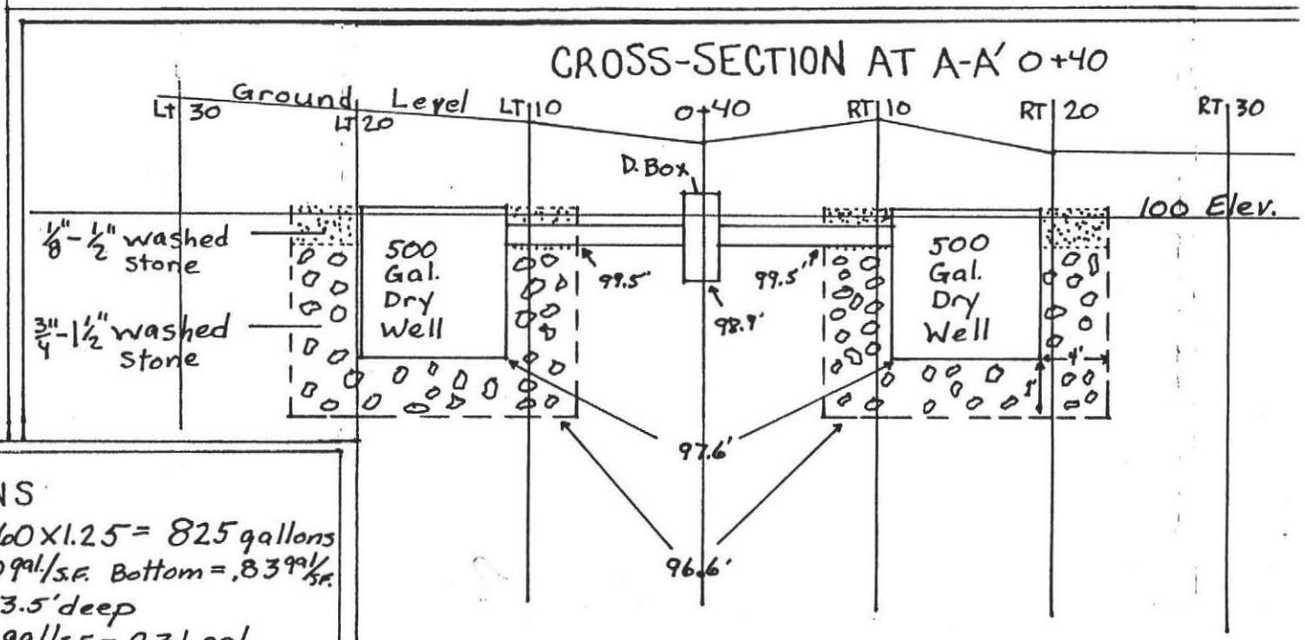
FOR: Henry Whitlock
181 North Street, Belchertown, MA.

SITE: Lot 142, Woodlot Lane, Amherst, MA.

BY: FREDERICK A. FILIOS W.T.
DATE: May 21, 1987
SCALE: HORIZONTAL: 1" = 10'
VERTICAL: 1" = 3'

COMMONWEALTH OF MASSACHUSETTS
FREDERICK A. FILIOS, R.S. 688





SPECIFICATIONS

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

CALCULATIONS

4 Bdm x 110 = 440 + 50% for G.G = 660 x 1.25 = 825 gallons
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sides: 16.5' x 2.8' x 2 = 92.4 s.f. x 2.5 gal/s.f = 231 gal.
7' x 2.8' x 2 = 39.2 s.f. x 2.5 gal./s.f. = 98 gal.
Bottom: 16.5' x 7' = 115.5 s.f. x .83 gal/s.f. = 95.865 gal.
424.865 gal.
Total = 424.865 x 2 = 849.73 gallons

Our Copy

No. 87-22

Fee 90.00

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

TOWN OF AMHERST

Application for Disposal Works Construction Permit

COMMONWEALTH OF MASSACHUSETTS FREDERICK A. FILIOS, R.S. 688

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

WOODLOT LANE — Location - Address; LOT 142 — or Lot No.

Henry Whitlock — Owner; 181 North Street Belchertown, MA. — Address

Stoney's ERC — Installer; Address

Type of Building — Size Lot 20,556± Sq. feet

Dwelling — No. of Bedrooms 4 — Expansion Attic ( ) — Garbage Grinder (✓)

Other — Type of Building ..... No. of persons ..... Showers ( ) — Cafeteria ( )

Other fixtures .....

Design Flow 82.5 gallons per person per day. Total daily flow 660 x 1.25 = 825 gallons.

Septic Tank — Liquid capacity 1500 gallons Length 10.5' Width 5' Diameter ..... Depth 5'

~~Disposal Trench No.~~ ..... Width 7' Total Length 33' Total leaching area 263.2 sq. ft. sides

Seepage Pit No. 2 ~~Diameter~~ ..... Depth below inlet 2.8' Total leaching area 231 sq. ft. Bottom

Other Distribution box ( ) Dosing tank ( )

Percolation Test Results Performed by F.A. Filios Date 3/5/86

Test Pit No. 1 4 minutes per inch Depth of Test Pit 10' 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 aforedescribed 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 [signature] 10/15/87 Date

Application Approved By ..... Date

Application Disapproved *for the following reasons:* .....

Date

Permit No. 87 - 22 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 (✓) 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. 87 - 22 dated .....

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

DATE ..... Inspector .....

Designer to provide written certification that the sewage disposal system is installed in accordance with the approved (Dec 2, 1987 revision) plan and permit requirements Title 5 reg 15.02(8).

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

TOWN OF AMHERST

No. 87 - 22 Fee .....

Disposal Works Construction Permit

Permission is hereby granted Henry Whitlock Stoney's Excavating to Construct (✓) or Repair ( ) an Individual Sewage Disposal System at No. Lot 142 Woodlot Lane Street as shown on the application for Disposal Works Construction Permit No. 87-22 Dated .....

for Amherst Health Dept. Donald A. Pinski Board of Health

DATE Dec. 7, 1987

FORM 1255 HOBBS & WARREN, INC., PUBLISHERS

CHECK OR FILL IN WHERE APPLICABLE

DEEP SOIL LOGS

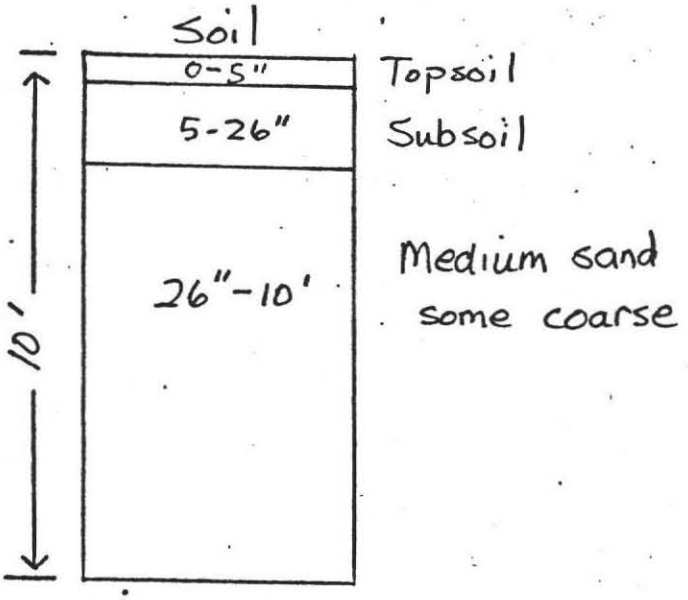
OWNER Jeffrey W. Flower

DATE March 5, 1986

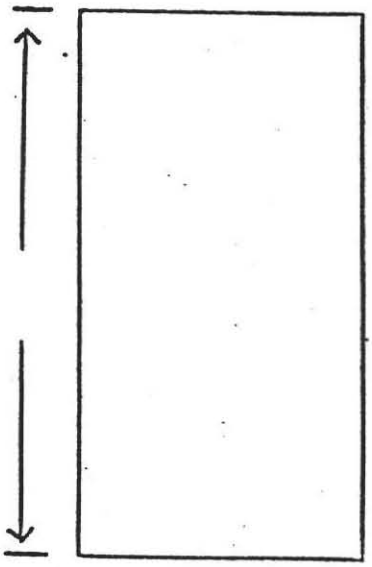
LOCATION Lot 142 Amherst Woods
Amherst, MA

OBSERVER F.A. Filios

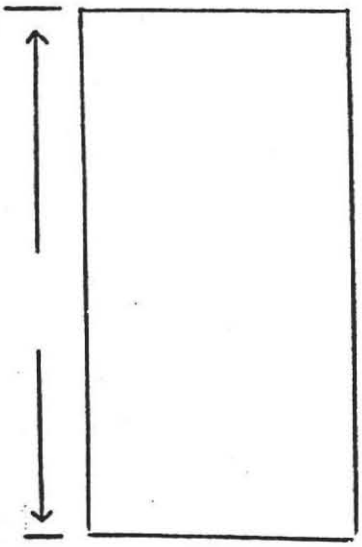
B of H C. Drake



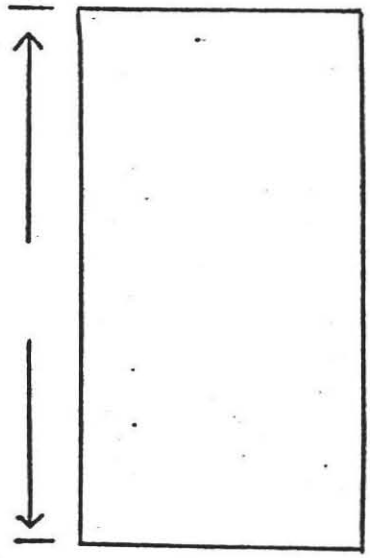
GROUND WATER at 10' oxides 70" 5.8'



GROUND WATER _____



GROUND WATER _____



GROUND WATER _____

PERCOLATION RATE AT 45 :

4 min./inch

COMMONWEALTH OF MASSACHUSETTS
FREDERICK A. FILIOS, R.S. 688

PLAN SHOWING SEWAGE DISPOSAL SYSTEM

FOR: HENRY WHITLOCK
181 NORTH STREET
AMHERST, MA. 01002

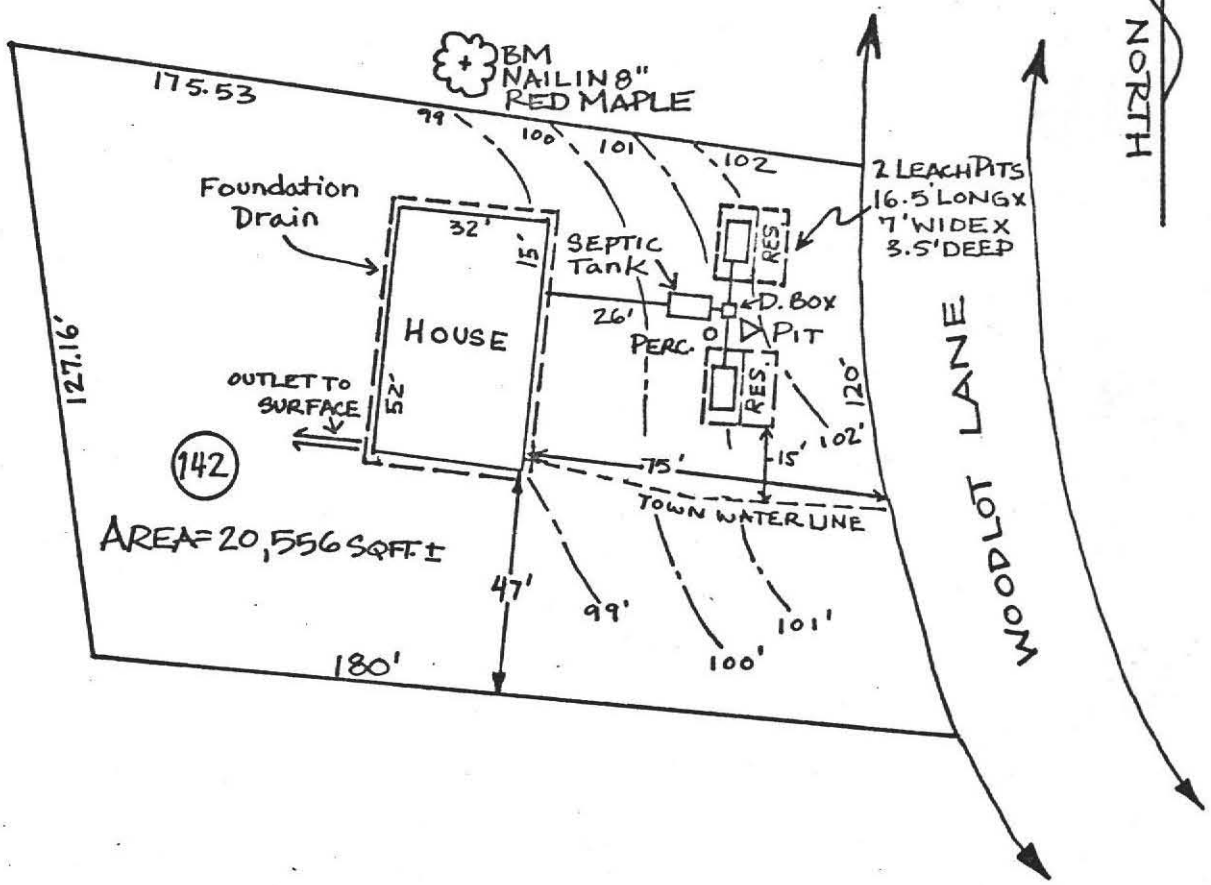
BY: FILIOS ENTERPRISES, INC.
69 PELHAM ROAD
AMHERST, MA. 01002

SITE: LOT 142
WOODLOT LANE
AMHERST WOODS
AMHERST, MA.

SCALE: 1" = 40'

DATE: MAY 22, 1987

COMMONWEALTH OF MASSACHUSETTS
FREDERICK A. FILIOS, R.S.
698



FOR: HENRY WHITLOCK
181 NORTH ST.
BELCHERTOWN, MA.

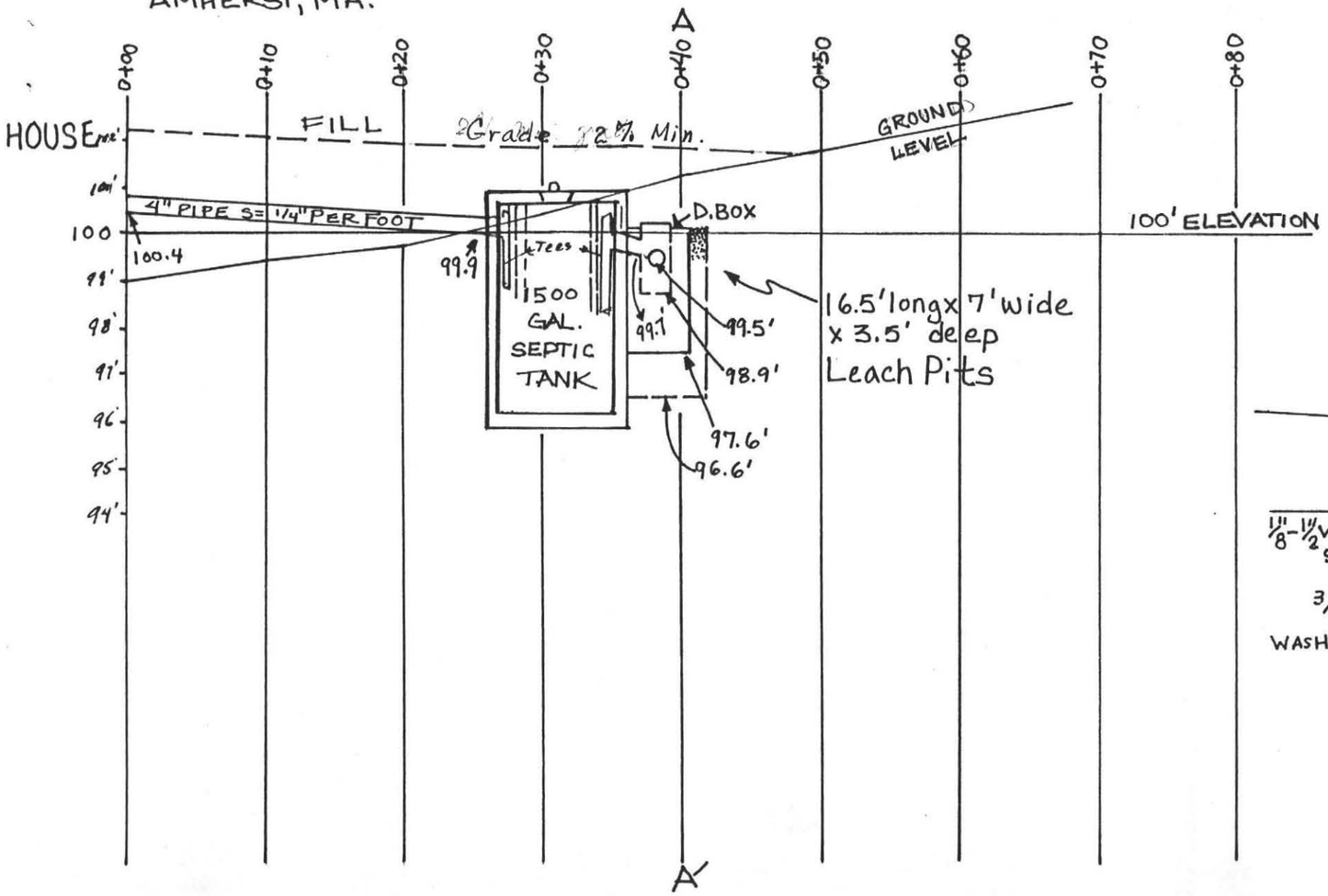
SITE: LOT 142, WOODLOT LANE
AMHERST, MA.

PROFILE OF SEPTIC SYSTEM

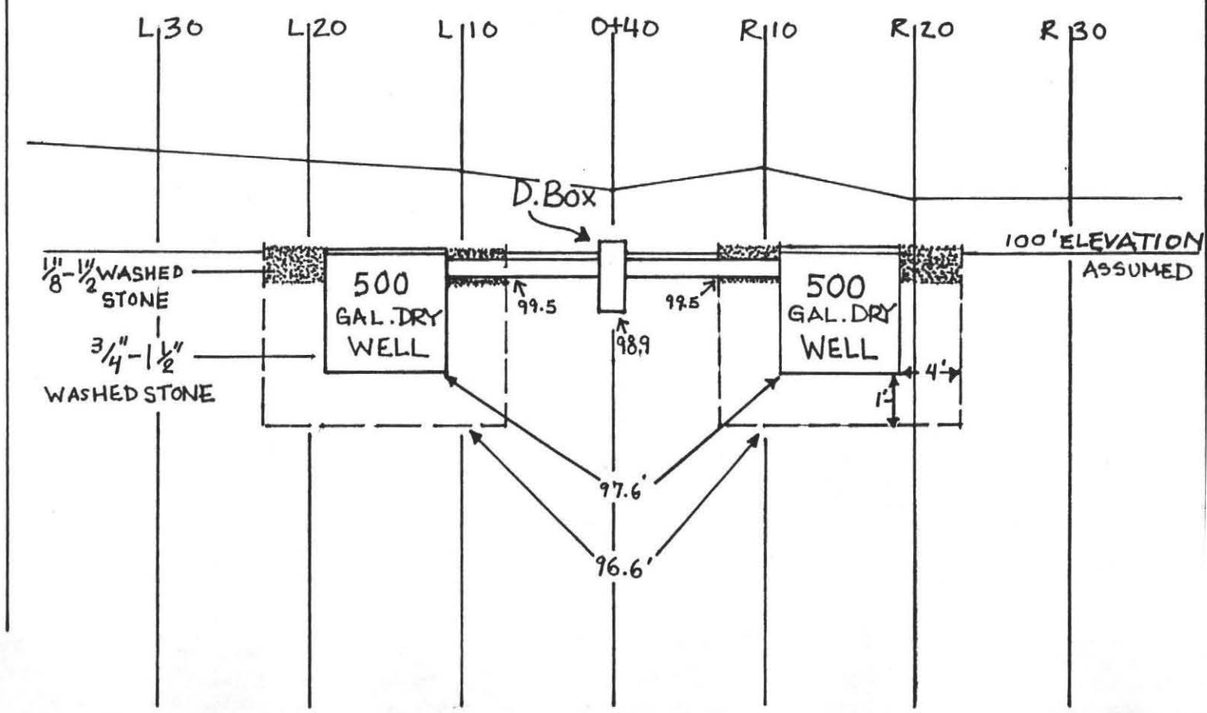
SCALE: HORIZONTAL: 1" = 10'
VERTICAL: 1" = 3'

BY: FILIOS ENTERPRISES, INC.
69 PELHAM RD.
AMHERST, MA. 01002

DATE: NOV. 17, 1987



CROSS-SECTION AT A-A' 0+40



SPECIFICATIONS

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CALCULATIONS

4 BDM x 110 = 440 + 50% FOR G.G. = 660 x 1.25 = 825 GALLONS
PERC. RATE = 4 MINS. / INCH SIDES = 2.0 GALLONS/SQ FT
BOTTOM = .83 GALLONS/SQ.FT.

2 LEACH PITS: 16.5' LONG x 7' WIDE x 3.5' DEEP
SIDES: 16.5' x 2.8' x 2 = 92.4 SQ.FT. x 2.5 GALLONS/SQ.FT. = 231 GALLONS
7' x 2.8' x 2 = 39.2 SQ.FT. x 2.5 GALLONS/SQ.FT. = 98 GALLONS
BOTTOM: 16.5' x 7' = 115.5 SQ.FT. x .83 GALLONS/SQ.FT. = 95.865 GALLONS
424.865 GALLONS

TOTAL = 424.865 x 2 = 849.73 GALLONS