No. 85-5

#43

Fee $90

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

Town of Amherst

Application for Disposal Works Construction Permit

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

CHECK OR FILL IN WHERE APPLICABLE

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

43 Wildflower Drive (Location - Address) — Amherst Woods II Lot 35 (or Lot No.)

Norman Vexler (Owner) — West Pomeroy Lane Amherst Mass (Address)

Stone Excavating (Installer) — Montague Mass (Address)

Type of Building — Size Lot 34,911 Sq. feet

Dwelling — No. of Bedrooms 3 Expansion Attic ( ) Garbage Grinder (→ No

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

Other fixtures .....

Design Flow 55 150 gallons per person per day. Total daily flow 330 gallons.

Septic Tank — Liquid capacity ~~500~~ gallons Length ..... Width ..... Diameter ..... Depth .....

Disposal Trench — No. ..... Width ..... Total Length ..... Total leaching area 78.75 sq. ft. Bottom

Seepage Pit No. 1 ~~Diameter~~ 10.5 x 7.5 Depth below inlet 5 Total leaching area ~~287.5~~ 180 sq. ft. Sides

Other Distribution box ( ) Dosing tank ( )

Percolation Test Results Performed by Frederick Filios Date May 1984

Test Pit No. 1 3 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 Sand Etc - 1000 Gallon Leach Tank

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 Norma S Vexler 3-19-85 (Date)

Application Approved By C E Drake Jr. 3-19-85 (Date)

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

Permit No. 85-5 Issued 3-19-85 (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. 85-5 Town of Amherst Fee $90

Disposal Works Construction Permit

Permission is hereby granted Norman Vexler - Ed Stone

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

at No. Lot #35 Wildflower Drive (Street)

as shown on the application for Disposal Works Construction Permit No. 85-5 Dated 3-19-85

C E Drake Jr. (Board of Health)

DATE 3-19-85

FORM 1255 HOBBS & WARREN, INC., PUBLISHERS

NO.....

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

Town OF Amherst

Application for Disposal Works Construction Permit

COMMONWEALTH OF MASSACHUSETTS
FREDERICK FILIOS, R.S. 688

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

Wild Flower Drive (Location - Address) — Amherst Woods II Lot 35 (or Lot No.)

Norman Vexler (Owner) — West Pomeroy Lane Amherst Mass (Address)

Stone Excavating (Installer) — Montague Mass (Address)

Type of Building — Size Lot 34,911 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 330 gallons.

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

Disposal Trench — No. ..... Width..... Total Length..... Total leaching area 18.75 sq. ft. Bottom

Seepage Pit No. 1 ~~Diameter~~ 10.5 x 7.5 Depth below inlet 5 Total leaching area ~~525~~ 180 sq. ft. Sides

Other Distribution box ( ) Dosing tank ( )

Percolation Test Results Performed by Frederick Filios Date May 1984

Test Pit No. 1 3 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.....

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

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.....

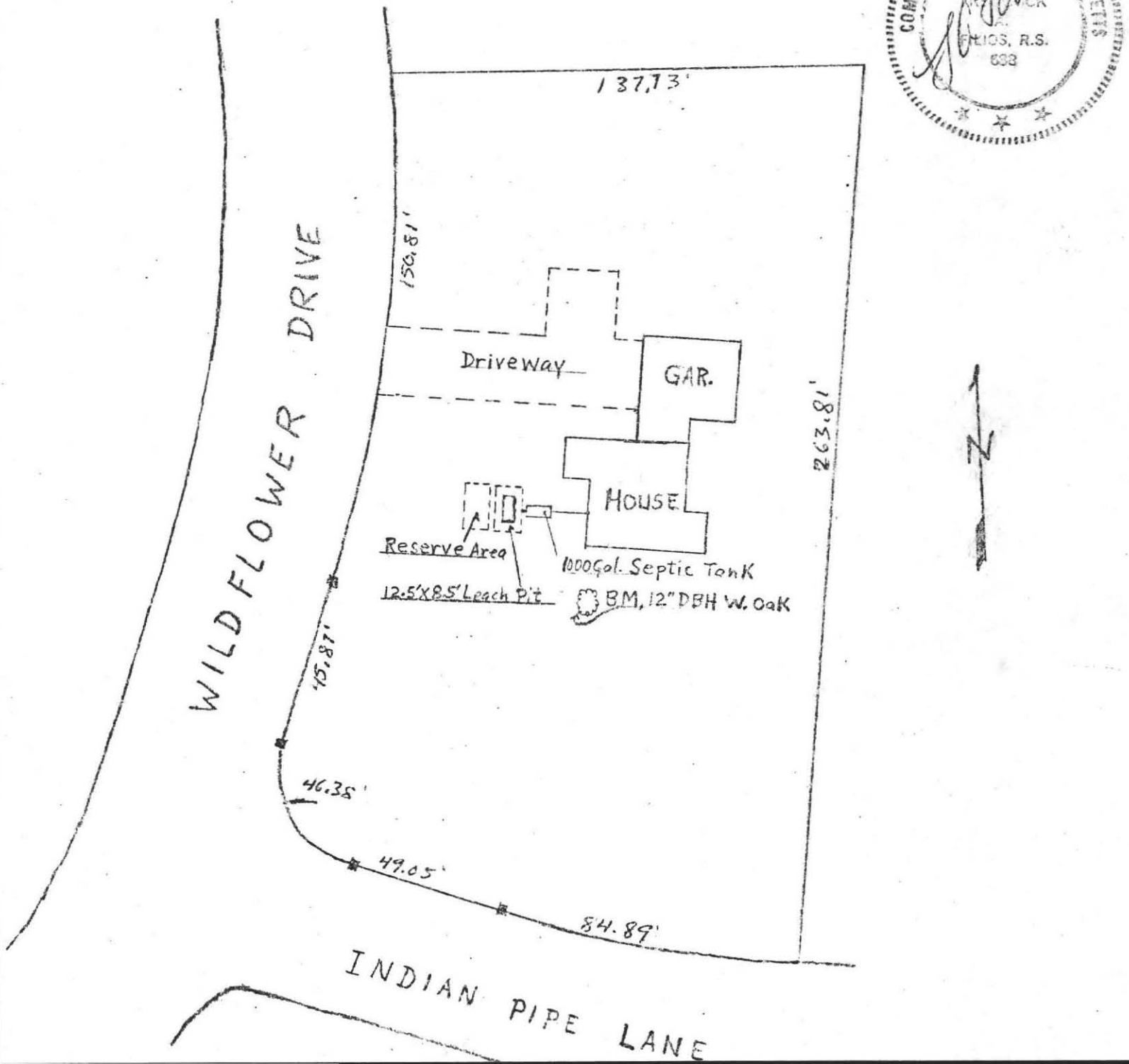
THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

PLAN SHOWING SEWAGE DISPOSAL
NORMAN VEXLER, WEST POMEROY LANE
AMHERST MASS.
SITE AT LOT 35, WILDFLOWER DR., AMHERST
BY FREDERICK FILIOS MARCH 10, 1985

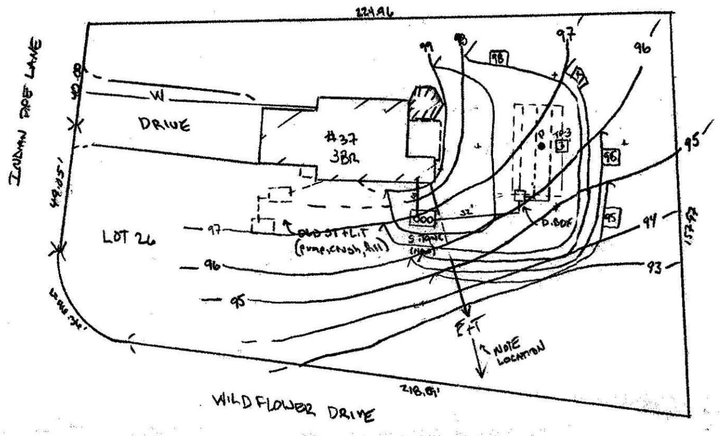
Scale 1" = 40'

COMMONWEALTH OF MASSACHUSETTS
FREDERICK FILIOS, R.S. 6032

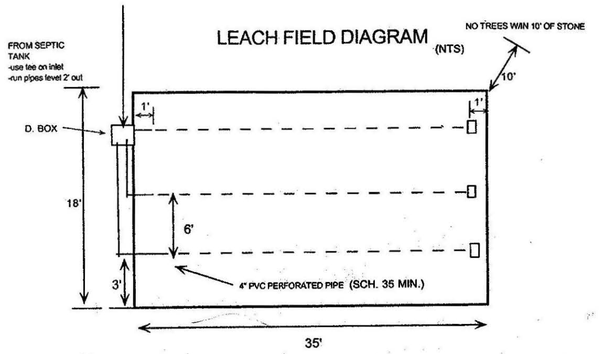


PLOT PLAN
(1"=40')

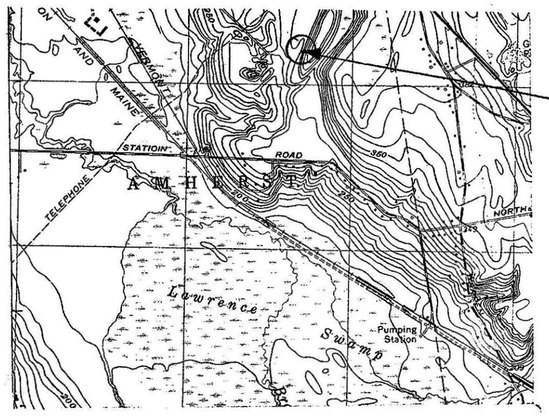
—100— EXISTING CONTOURS
—100— PROPOSED CONTOURS



LEACH FIELD DIAGRAM (NTS)



SITE LOCUS

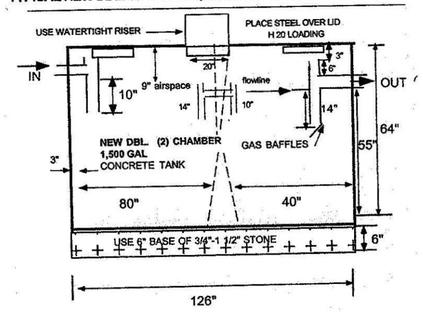


SCALE: 1"=2,083 'FT.

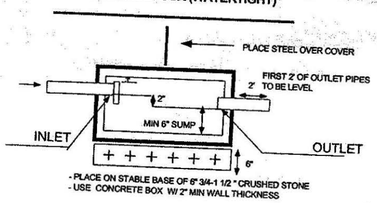
USGS 7.5 MIN. QUAD.

0 FEET 2000

TYPICAL NEW DBL. CHAMBER 1,500 GAL. S. TANK OR EQUIV. (WATERTIGHT)



TYPICAL D. BOX (WATERTIGHT)



TEST PIT LOG

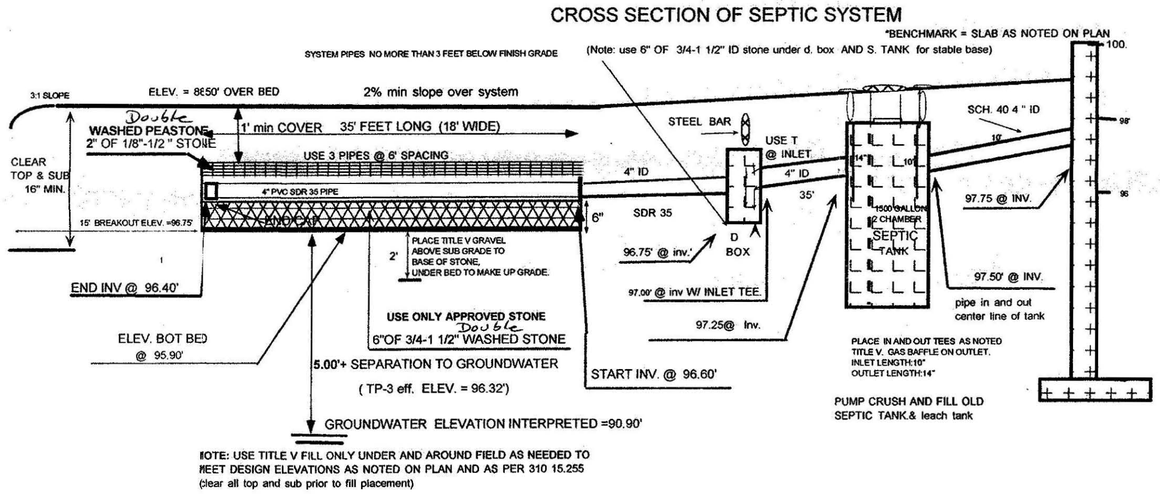
TP-3 EFF. EL. 96.32' (12/15/99)

0-12"	A +B FINE SANDY LOAM, FRIABLE-LOOSE (10YR 3/3)
12-65"	C1 B FINE SAND LOOSE outwash (2.5 y 6/8)
65-100"	C2 FINE SANDY LOAM (DENSE, FINE-MED SANDY TILL 15% STONES . (2.5y 6/8)

ESHWT:65"-90.90" (5' SEPARATION PROVIDED)

EFF. @ 65" OXIDES- (10 yr 5/8)
N/A STANDING H20
N/A WEEPING FROM FACE
N/A BEDROCK

CROSS SECTION OF SEPTIC SYSTEM



NOTE: USE TITLE V FILL ONLY UNDER AND AROUND FIELD AS NEEDED TO MEET DESIGN ELEVATIONS AS NOTED ON PLAN AND AS PER 310 15.255
(clear all top and sub prior to fill placement)

DESIGN NOTES:

1. 3BR X 110 GAL/DAY =330 x 1.25 = 412.50 Gal./day
   -Use ONE Leachfield 18 ' wide x 35' LONG W/6" stone below invert.
   Bot. Area: 18' wide x 35' long =630sf.
   Side Area: N.A.
   Tot. Area: 630 sf x 0.74 gal.sf. = 466 gal./day.
3. GARBAGE DISPOSAL NOT ALLOWED
4. ALL D. BOX OUTLET PIPES LEVEL FOR 2',
5. NO PRIVATE WELLS WITHIN 100 FEET
6. NO WETLANDS WITHIN 150 FEET OF SAS
7. PRE & POST CONTOURS NOTED AS NECESSARY.
8. RESERVE AREA NOT REQUIRED.
9. SLOPE CALCS (SEE CONTOURS). SUBGRADE INSP. REQ'D.
10. 2% MIN. SLOPE OVER SAS, CLEAR TOP AND SUB TO 24" MIN. AS NEEDED. CLEAR TO BASE OF B (MIN. 16") UNDER BED. (ADD FILL UNDER BED TO COMPLY W/TITLE V LOCATED BENEATH .0.50 FT. OF APPROVED STONE
11. SOIL EVALUATION BY A. WEISS , RS. 12/15/99.
12. DEPTH OF PERC. 40" & BY A. Weiss 12/15/99,
13. PERC RATE <2 MIN/IN.. , CLASS I SOIL RATING (SAND)
14. INSTALL/INSPECT TEES (10" INLET, 14" OUTLET) ON 1,500 GAL. S. TANK
15. USE NEW 2 CHAMBER , 1,500 GAL S. TANK W/ BAFFLES/TEES IN PLACE. REPLACE S. TANK W/ 1,500 GAL & REPIPE AT SILL (OLD TANK TOO LOW).
16. USE APPROVED (3/4") ID STONE UNDER BED & D. BOX FOR 6". CONTRACTOR TO CONFIRM STONE PROPERLY WASHED (WITH BUCKET /H2O TEST) PRIOR TO PLACEMENT.
17. NO TREES WITHIN 10 FT. OF NEW LEACH FIELD.
18. ENGINEER TO INSPECT SUBGRADE.
19. T.B.M. 100.00 SILL

SEPTIC SYSTEM REPAIR PLAN FOR HARRIS PASTIDES AT 37 WILDFLOWER DR., AMHERST, MA

SCALE: NOTED	APPROVED BY:	DRAWN BY	AW
DATE : 01/11/2000		REVISED	
COLD SPRING ENVIRONMENTAL, INC.		DRAWING NUMBER	99-1095-0228

PERCOLATION TEST LOCATION

For: Amherst Woods Phase II

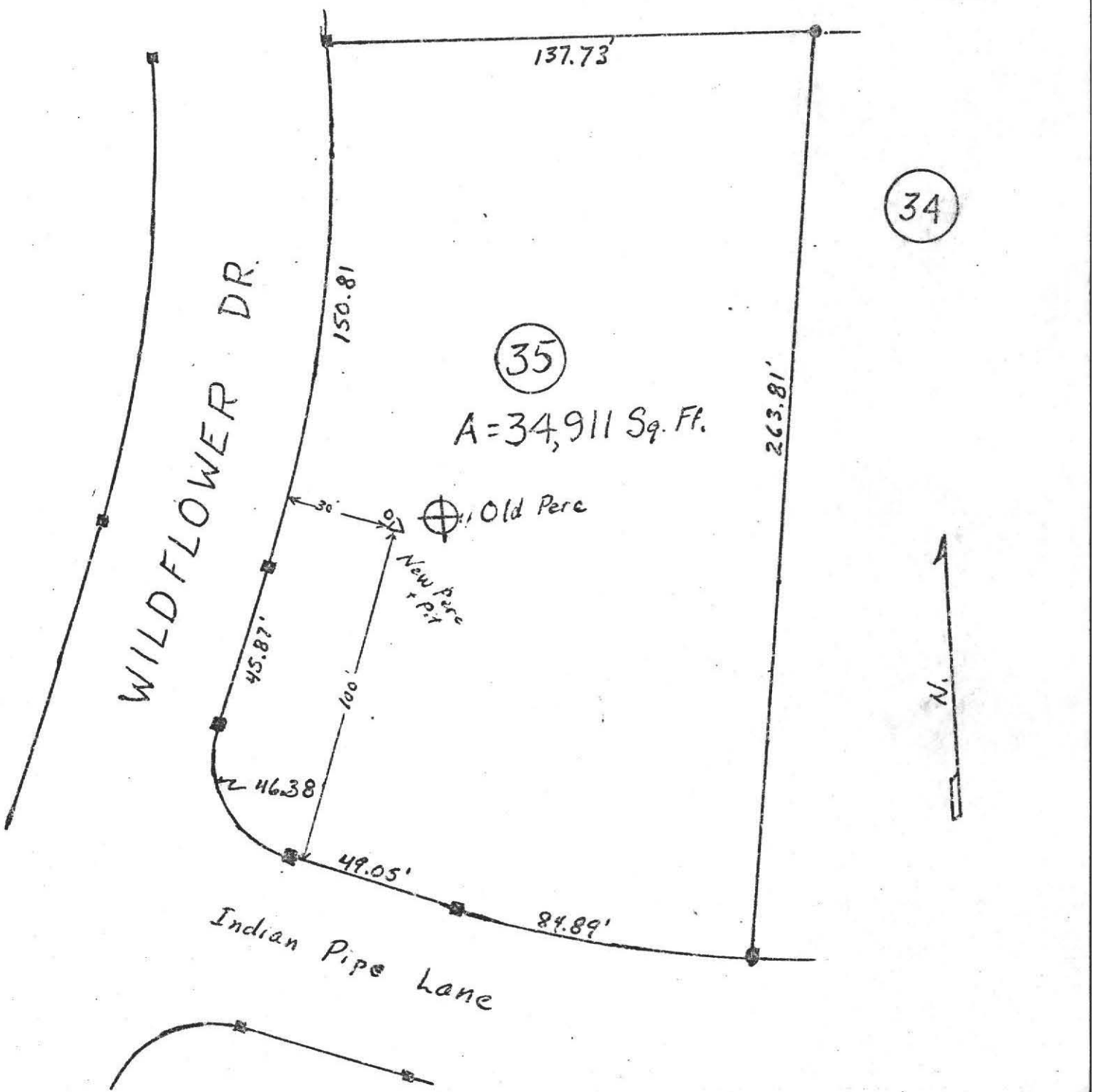
Lot # 35

Scale: 1" = 40'

By: Frederick Filios

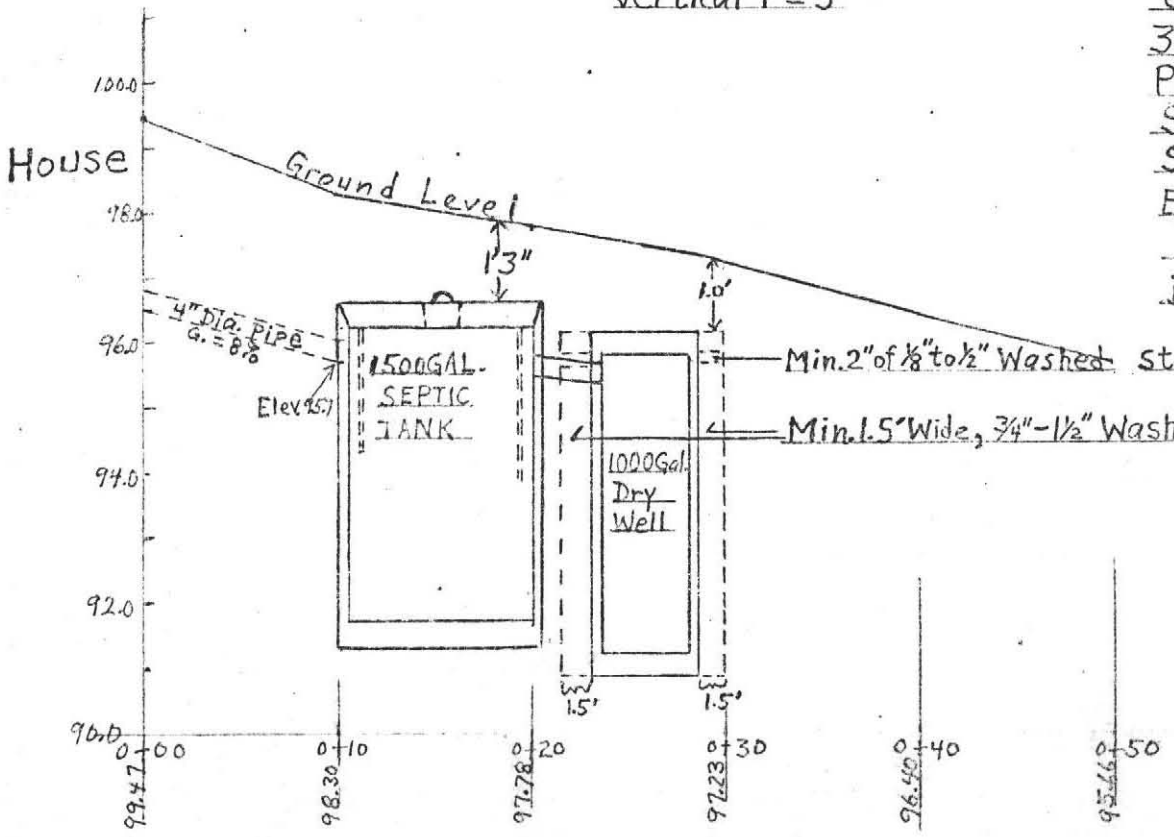
May 1984

COMMONWEALTH OF MASSACHUSETTS
FREDERICK
FILIOS, R.S.
688



PROFILE OF SEPTIC SYSTEM
NORMAN VEXLER, WEST POMEROY LANE; AMHERST, MASS.
SITE AT LOT 35, WILDFLOWER DR., AMHERST WOODS
BY: Frederick Filios March 7, 1985

Scale: Horizontal 1"=10'
Vertical 1"=3'



CALCULATIONS

3 Bdrms @ 110 = 330 + G.G. (165) = 495 Gal. Req'd.
Perc. Test @ 3 Gals. per Inch
Sides = 2.0 Gals Per Sq.ft., Btm = 0.83 Gals./Sq.ft.
Side 12.5' X 5' X 2 = 125 Sq.ft.
End Areas 8.5' X 5' X 2 = 85 Sq.ft.
210 X 2.0 = 420 Gals.
Btm. Area 12.5' X 8.5' X 0.83 = 88.18 Gals.
Total Available 508.18 Gals.

All materials and construction to be in accordance with Comm. of Mass. D.E.Q.E. State Environmental Code Title 5

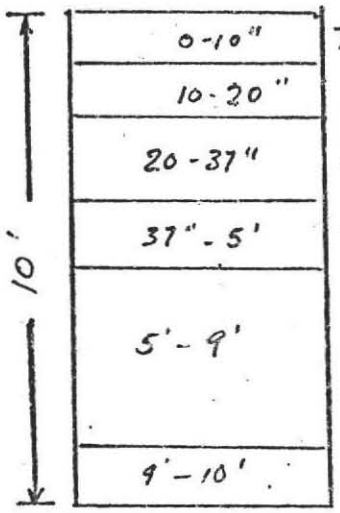
COMMONWEALTH OF MASSACHUSETTS
FREDERICK A. FILIOS, R.S.
688

DEEP SOIL LOGS

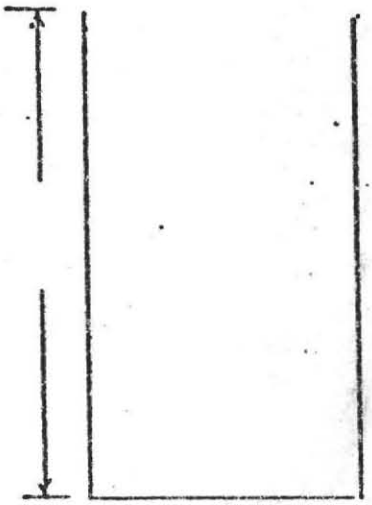
OWNER Vexler Amherst Woods Phase II Date Apr. 18, 1984

LOCATION Amherst Woods Lot # 35 OBSERVER F.A. Filios

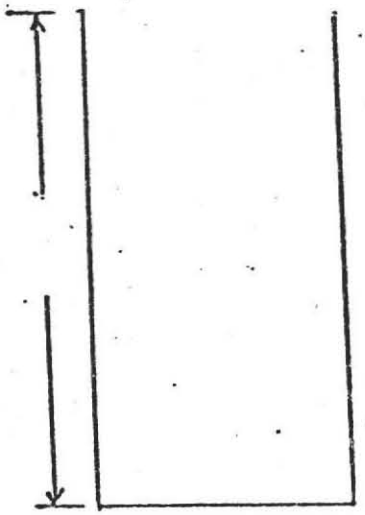
Soil



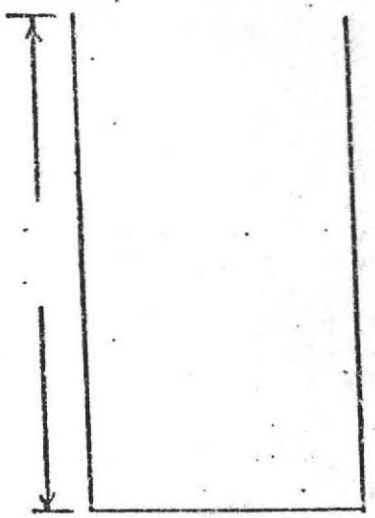
Ground Water none



Ground Water ____



Ground Water ____



Ground Water ____

Percolation Rate at 56"

3 minutes / inch