Town of

91 woodlot
lot 139

AMHERST Massachusetts

Bettye Anderson Frederic, Director

AMHERST HEALTH DEPARTMENT
70 BOLTWOOD WALK
AMHERST, MA 01002-2128
(413) 256-4077

To: Bettye Anderson Frederic
From: David Zarozinski
Re: Variance from Title V, 310 CMR 15.405, 1, a

The Washburns, who reside at 91 Woodlot Road, Amherst, MA, have a failed septic system. In order to repair this system, they need a variance to the above regulation, which states that the required property line setback is ten feet (copy enclosed). Due to the lack of space and house location, the setback will only be six feet. Other possible locations for the system would result in wetlands problems. It is my opinion that given all the possible scenarios for a new septic system and due the spacial constraints, this plan best meets the intent of the State Sanitary Code.

Laura Schreiber Washburn
91 Woodlot Road
Amherst, MA 01002

Tel. (413) 253-5321
Fax (413) 256-3103

June 1, 1995

David Zarozinski
Amherst Health Department
Bangs Community Center
Boltwood Walk
Amherst, MA 01002

Dear Dave,

Regarding the variance on our septic system design, I am enclosing two copies of a letter signed by the three people whose property abutts ours. They are stating they have seen Alan Weiss' letter to you about this variance.

My husband David and I appreciate all of your help with this project.

With best wishes,

Laura Washburn

May 23, 1995

To: Amherst Health Department
Re: Septic System Repair on 91 Woodlot Road (David and Laura Washburn)

We have received a copy of the letter from Alan Weiss to David Zarozinski, dated May 22, 1995, regarding the septic system repair at the Washburn residence.

Seldin, 93 Woodlot Rd.
Clement Seldin

Gould, 87 Woodlot Rd.
Constance Gould

TO: Amherst Health Department
RE: Septic System Repair on 91 Woodlot Road (David and Laura Washburn)

I have received a copy of the letter from Alan Weiss to David Zarozinski regarding the septic system repair at the Washburn residence.

President

Douglas Kohl
for Amherst Village, Inc.

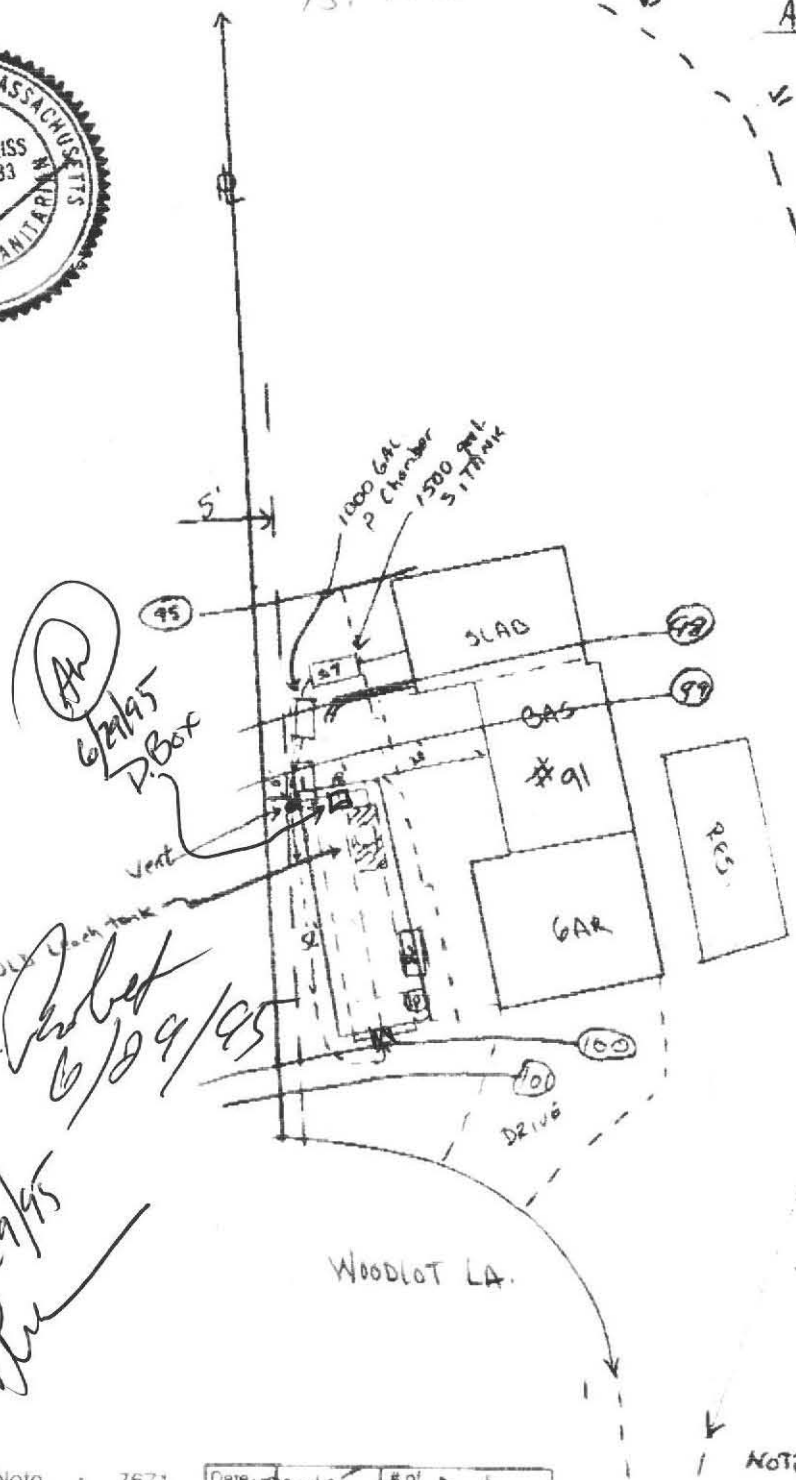
COLD SPRING ENVIRONMENTAL CONSULTANTS, INC.
(413) 323-5957

SHEET NO. 1 OF 1
CALCULATED BY A. WEISS DATE 5/21/95
CHECKED BY DATE
SCALE 1"=40'

15.402

ADDENDUM TO #95-510-0503

COMMONWEALTH OF MASSACHUSETTS
ALAN E. WEISS
REG. #933
REGISTERED SANITARIAN



6/29/95 D.Bot

6/29/95

final 6/29/95

NOTE
- Pl set back 5'
- R.L.S. TO CONFIRM.
- 18'x52 LEACH BED
- USE ORIG. ELEVATIONS
- USE 3 LINES IN BED.
- VARIANCE TO 15.405(1)(a).
- Pl Setback, local Variance.
- Remove TOP + SLB TO Pl + WALKWAY ON SIDES.

NOTE! FILL OLD LEACH TANK after pumping

Post-it® Fax Note 7671	Date 5/20/95	# of pages ▶ 1
To DAVE Z	From	
Co./Dept Health Dept	Co.	
Phone # 256-4031	Phone #	
Fax #	Fax #	

COLD SPRING ENVIRONMENTAL CONSULTANTS, INC.
350 Old Enfield Road
Belchertown, Ma. 01007
tel (413) 323-5957
fax (413) 323-4916

fax transmittal

to: Dave Washburn

fax #: 413-256-3013

from: Alan E. Weiss

date: May 22, 1995

re: Variance Request

pages: 2, including this cover sheet

NOTES: David and Laura:

Attached is the letter request (formal) to the local health Dept. for a variance to the title v. property line setback of 10 feet down to 5'. in accordance with 310 CMR 15.405 1a. This notiefication must copy to all neighbors within 300 feet.

Alan W.

C.C: DAVE [redacted] ZAROZINSKY

COLD SPRING ENVIRONMENTAL CONSULTANTS, INC.

- 21E Site Investigations
- Subsurface Investigations
- Pollution Remediation
- LSP on Staff
- Percolation Tests and Septic Designs
- Regulatory Compliance
- Recycling and Solid Waste

May 22nd, 1995

Mr. David Zarozinski, Agent
Amherst Health Department
Amherst Ma. 01002

RE: Septic System Repair & Variance Approval
Washburn Residence, 91 Woodlot Lane, Amherst, Ma.

Dear Mr. Zarozinski:

A variance from Title V (310 CMR 15.405,1,a) is requested for the repair of the system at the above mentioned property. The following variance is noted:

-lack of space for 10 property line setback due to property line and house proximity (310 CMR 15.405,1,a). The noted setback is 6'.

It is my opinion that given all the possible scenarios for a new disposal system, and due to spatial constraints, that this plan best meets the intent on the Sanitary Code 310 CMR 15.00 and the Wetlands Protection Regulations 310 CMR 10.00. Other portions of the property considered would involve wetlands setback issues and/or property line infringements.

Please see the proposed plan attached.

Please feel free to contact me should you have any questions.

Sincerely,

Cold Spring Environmental Consultants, Inc.

Alan E. Weiss, M.S.
President
Principal Hydrogeologist
Registered Sanitarian Lic. #933

cc: Mr. and Mrs. Wahburn, 91 Woodlot La., Amherst
Abutters (300').

350 Old Enfield Road • Belchertown, MA 01007 • (413) 323-5957 & 323-4916
Fax 323-4916

COLD SPRING ENVIRONMENTAL CONSULTANTS, INC.
(413) 323-6957

JOB — WOODLOT LANE — AMHERST

SHEET NO. AMHERST 1 OF 1

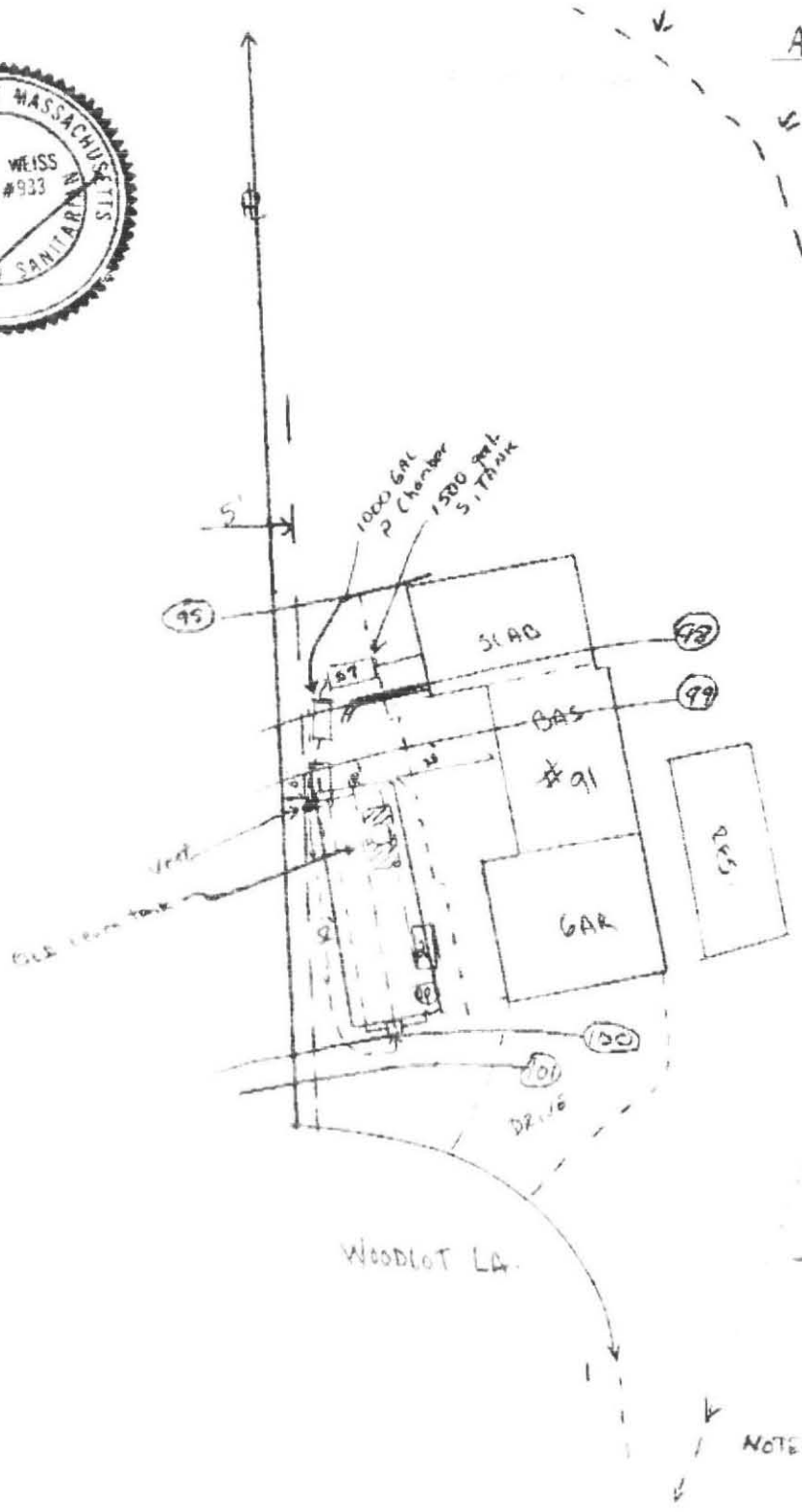
CALCULATED BY A. WEISS DATE 5/21/95

CHECKED BY DATE

SCALE 1" = 40'

ADDENDUM TO #95 510-0503

COMMONWEALTH OF MASSACHUSETTS
ALAN E. WEISS
REG #933
REGISTERED SANITARIAN



NOTE

- R set back 5
- R L S TO CONFIRM.
- 18 x 52 LEACH BED
- USE ORIG ELEVATIONS
- USE 3 LINES IN BED.
- VARIANCE TO 15.405(1)(a).
- R setback, local Variance.
- Remove TOP + SLB TO R + WALKWAY ON SIDES.

NOTE: FILL OLD LEACH PIT AFTER PUMPING

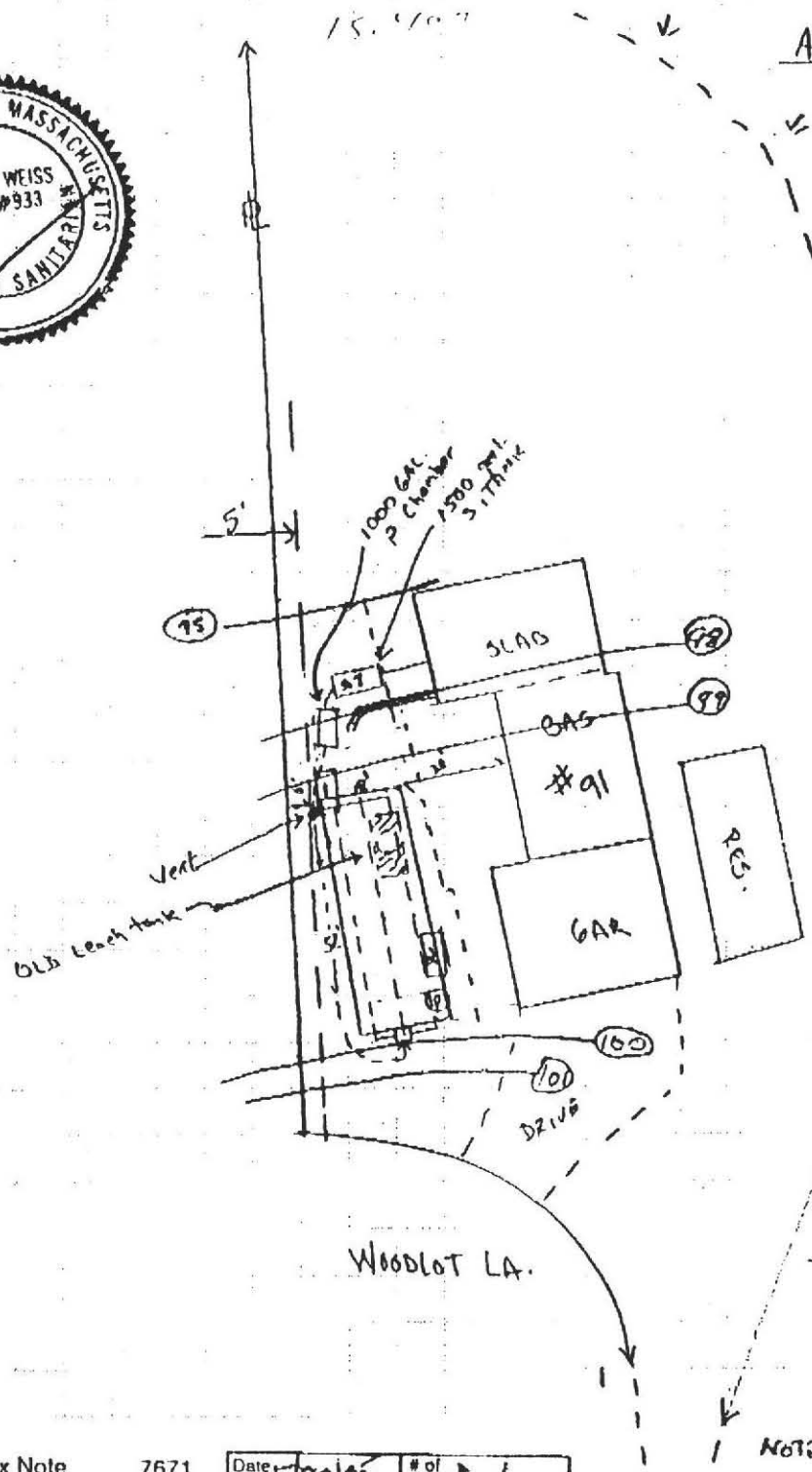
* SUBJECT TO B.O.H. APPROVAL

COLD SPRING ENVIRONMENTAL CONSULTANTS, INC.
(413) 323-5957

SHEET NO. 1 OF 1
CALCULATED BY A. WEISS DATE 5/21/95
CHECKED BY DATE
SCALE 1"=40'

ADDENDUM TO #95-510-0503

COMMONWEALTH OF MASSACHUSETTS
ALAN E. WEISS
REG. #933
REGISTERED SANITARIAN



NOTE
- Pl. set back 5'
- R.L.S. TO CONFIRM.
- 18'x52 LEACH BED
- USE ORIG. ELEVATIONS
- USE 3 LINES IN BED.
- VARIANCE TO 15.405(11)(a).
- Pl. Setback, local Variance.
- REMOVE TOP + SUB TO Pl. + WALKWAY ON SIDES.

NOTE! FILL OLD Leach tank after pumping

Post-it™ Fax Note 7671	Date 5/20/95 # of pages ▶ 1
To DAVE-Z	From
Co./Dept. Health Dept.	Co.
Phone # 256-4031	Phone #
Fax #	Fax #

15.404: continued

Where failure of the system is solely due to failure of the septic tank, distribution box, soil absorption system, and/or building sewer, upgrade of that component(s) in full compliance with 310 CMR 15.000 shall be deemed to meet the goal of full compliance; provided that the upgraded component functions properly with the other system components, the system functions properly hydraulically, and the owner obtains a certificate of compliance from the approving authority. If other system failures are discovered during upgrade of that component(s), such other system failures shall be upgraded in accordance with 310 CMR 15.405.

(2) When full compliance pursuant to 310 CMR 15.404(1) is not feasible, the approving authority shall issue a local upgrade approval authorizing upgrade of the system with the goal of maximizing protection of public health and safety and the environment to the maximum extent feasible. The following requirements shall not be varied by the local approving authority except as explicitly set forth in 310 CMR 15.404(2)(b) and (d):

(a) A septic tank with an effective liquid capacity providing no less than 24 hours of retention time or 1000 gallons, whichever is greater, shall be provided unless the septic tank is an elevated tank constructed in accordance with 310 CMR 15.213 (construction in V-zones) in which case the effective liquid capacity may consist of a 500-gallon tank.

(b) A minimum of four feet of separation between the bottom of the soil absorption system and the high ground-water elevation shall be provided, using fill if necessary. The local approving authority may allow a three foot separation only in full compliance with 310 CMR 15.405(1)(i).

(c) A minimum of four feet of naturally occurring pervious soil below the entire area of the soil absorption area and reserve area shall be provided.

(d) The soil absorption system shall be designed to provide as much of the required area as possible on the facility served or, if proposed by the owner or operator, on an abutting facility pursuant to a valid recorded easement. The local approving authority may reduce the required soil absorption system area no more than 25%, as provided in 310 CMR 15.405(1). Reductions in the required subsurface disposal area in excess of 25% may only be varied by the Department, and may require the installation of a Department-approved septic tank effluent tee filter, dosing of portions of the soil absorption system on an alternating basis, and/or other measures to protect the integrity of the soil absorption system; and

(e) the soil absorption system shall not be located within 100 feet of a surface water supply or tributary to a surface water supply, within 50 feet of a private water supply well, or within the Zone I of a public water supply well.

15.405: Contents of Local Upgrade Approval

(1) In granting local upgrade approvals pursuant to 310 CMR 15.404(2) where full compliance as defined in 310 CMR 15.404(1) is not feasible, the local approving authority shall consider the impact of the proposed system and shall vary to the least degree necessary the requirements of 310 CMR 15.100 through 15.293 so as to allow for both the best feasible upgrade within the borders of the lot, and have the least effect on public health, safety and the environment. The local approving authority is allowed to diverge from the goal of full compliance only to the extent necessary. The approving authority should emphasize protection of water resources and treatment of the sanitary sewage. Absent conditions which would result in a different outcome based on best professional judgment, the options set forth below should be considered in the order in which they appear with 310 CMR 15.405(1)(a) being the first option to be considered and rejected or adopted and 310 CMR 15.405(1)(i) being the last option to be considered and rejected or adopted:

(a) Reduction of system location setbacks otherwise established in 310 CMR 15.211 for property lines provided that a survey of the property line shall be required if a component is to be placed within five feet of the property line, and no such reduction shall result in the soil absorption system being located less than ten feet from a soil absorption system on an abutting property;

(b) Reductions of system location setbacks from cellar wall, swimming pool, or slab foundations;

06-09-95

Crawford
CRAWFORD & COMPANY

Jeffrey D. Gurtcheff
Branch Manager

NOTICE OF CASUALTY LOSS TO BUILDING
UNDER MASSACHUSETTS GENERAL LAWS CHAPTER 139,SEC.3B

TO: Building Commissioner or
Inspector of Buildings

Board of Health or
Board of Selectmen

BUILDING INSPECTOR
AMHERST, MASSACHUSETTS
TOWN HALL, BOLTWOOD WALK
AMHERST, MA 01002

RE:

INSURED:	DAVID AND LAURA WASHBURN
LOSS LOCATION:	91 WOODLOT RD. AMHERST, MA 01002
TYPE OF LOSS:	SEPTIC BACKUP
DATE OF LOSS:	04-13-95
OUR FILE NO:	134-79921 AS

Dear Sir:

We are the local claims representative for AMICA MUTUAL INSURANCE CO. Company, who provide insurance for the above referenced insured on their dwelling, located at the above address.

Under chapter 139 of the Act of 1977, you are hereby notified that a claim payment of more than $ 1,000.00 is expected.

Please advise this office of the existence of any liens on this dwelling. If we have not received any notice of liens within SEVEN (7) DAYS from the date of this notice, we will assume that NO LIENS EXIST and will recommend payment accordingly.

Very truly yours,

CRAWFORD & COMPANY

A C SCHUTT JR. PROPERTY ADJUSTER

NAME OF LIEN HOLDER: _____
LIENHOLDER ADDRESS: _____

DATE LIEN FILED: _____
AMOUNT OF LIEN: _____

2341 Boston Road ▪ P.O. Box 848 ▪ Wilbraham, MA 01095 ▪ (413) 596-9356 ▪ FAX: (413) 596-4330

#91

No. 87-14 FEE $90

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

TOWN OF AMHERST

Ck# 931

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:

#91 WOODLOT LANE — Location - Address — LOT 139 — or Lot No.

David Washburn — Owner — 39 Miller Ave. Southampton, MA.

Ed Stone — Installer — MONTAGUE MA. — Address

Type of Building — Size Lot 42,565± 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' Width 5' Diameter ..... Depth 5'

~~Disposal Trench — No. ———~~ Width 7' Total Length 25' Total leaching area 262.4 sq. ft. Sides

Seepage Pit No. 1 ~~Diameter~~ ..... Depth below inlet 4.1' Total leaching area 175 sq. ft. Bottom

Other Distribution box ( ) Dosing tank ( ) 3/16/87 = H2

Percolation Test Results Performed by F.A. Filios Date 3/6/86 = H1

Test Pit No. 1 2 minutes per inch Depth of Test Pit 10' Depth to ground water NONE

Test Pit No. 2 ..... minutes per inch Depth of Test Pit 10' Depth to ground water NONE

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.

X Signed Robert F Rivard

Application Approved By [signature] Date 5/18/87

Application Disapproved *for the following reasons:*

Permit No. 87-14 Issued 5-18-87 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 Ed Stone Installer

at Lot 139 Woodlot Lane, Amherst Woods

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. 87-14 dated Aug 4 87

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

DATE 080487 Inspector W Lawler RS

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

No. 87-14 TOWN OF AMHERST FEE $90

Disposal Works Construction Permit

Permission is hereby granted David Washburn

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

at No. Lot 139 Woodlot Lane, Amherst Woods Street

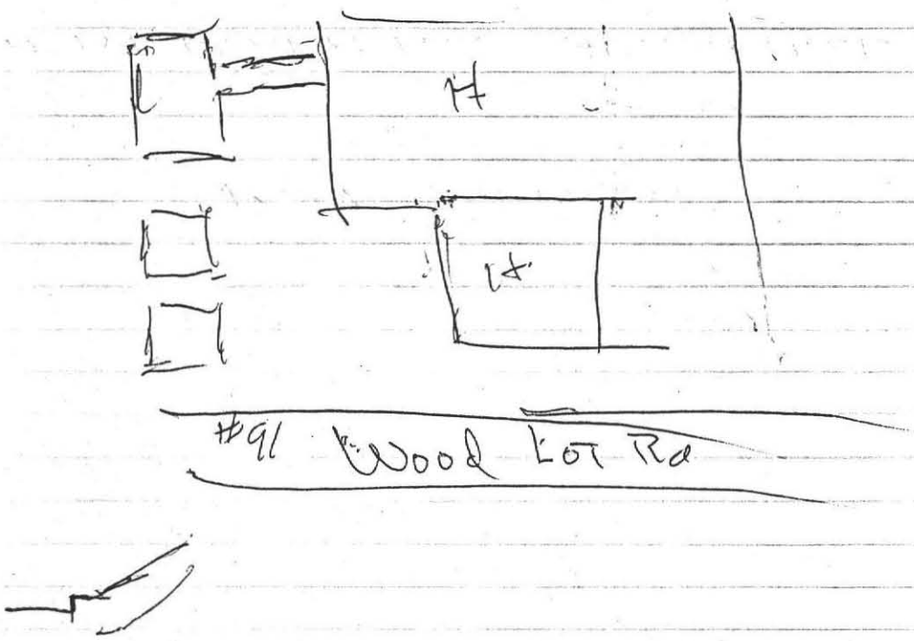
as shown on the application for Disposal Works Construction Permit No. 87-14 Dated 5-18-87

[signature] Board of Health

DATE 5/18/87

FORM 1255 HOBBS & WARREN, INC., PUBLISHERS

CHECK OR FILL IN WHERE APPLICABLE


H
H
#91 Wood Lot Rd

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 139 — or Lot No.

David Washburn — Owner; 39 Miller Ave. Southampton, MA. — Address

Installer; Address

Type of Building — Size Lot 42,565± 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' Width 5' Diameter ..... Depth 5'

~~Disposal Trench — No. .....~~ Width 7' Total Length 25' Total leaching area 262.4 sq. ft. Sides

Seepage Pit No. 1 ~~Diameter —~~ Depth below inlet 4.1' Total leaching area 175 sq. ft. Bottom

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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

TOWN OF AMHERST

Certificate of Compliance

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

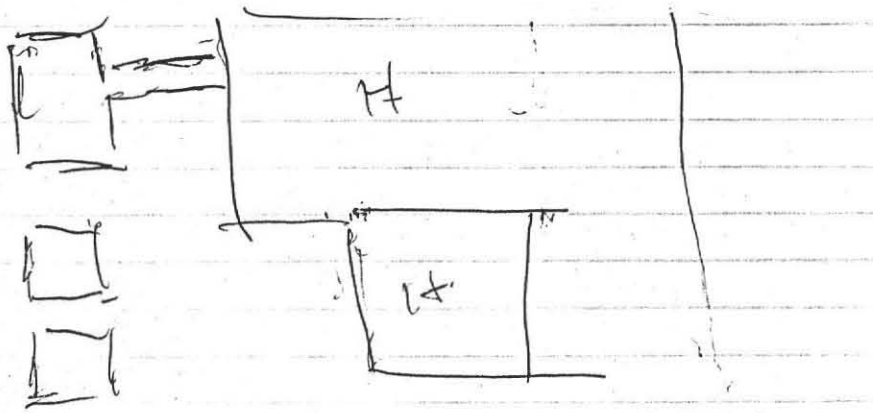
at Lot 139 Woodlot Lane, Amherst Woods

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



#91 Wood Lot Rd

DEEP SOIL LOGS

OWNER Jeffrey W. Flower

DATE March 6, 1986 - H_1
March 16, 1987 - H_2

LOCATION Lot 139 Amherst Woods
Amherst, MA.

OBSERVER F. A. Filios

B of H C. Drake

H_1

Soil

0-7"	Topsoil
7-28"	Subsoil
28"-10'	Fine sand and silt

10'

GROUND WATER oxides at 6'

GROUND WATER _____

H_2

0-8"	Topsoil
8-32"	Subsoil
32"-9½'	Fine sand
9½-10'	Clay

10'

GROUND WATER NONE

GROUND WATER _____

PERCOLATION RATE AT 50":

< 2 min./inch

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

PLAN SHOWING SEWAGE DISPOSAL SYSTEM

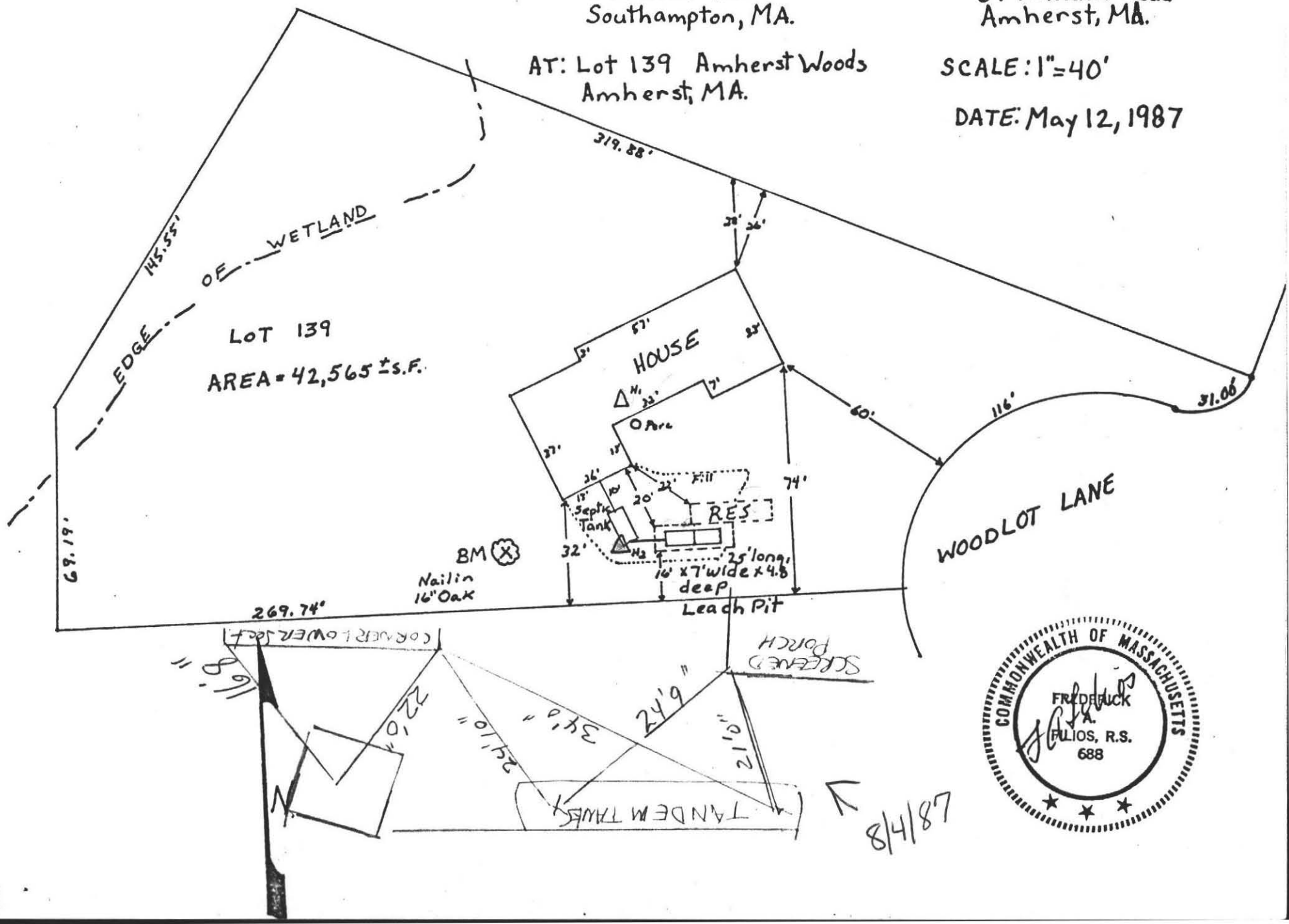
FOR: David Washburn
39 Miller Ave.
Southampton, MA.

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

AT: Lot 139 Amherst Woods
Amherst, MA.

SCALE: 1"=40'

DATE: May 12, 1987



PLAN SHOWING SEWAGE DISPOSAL SYSTEM

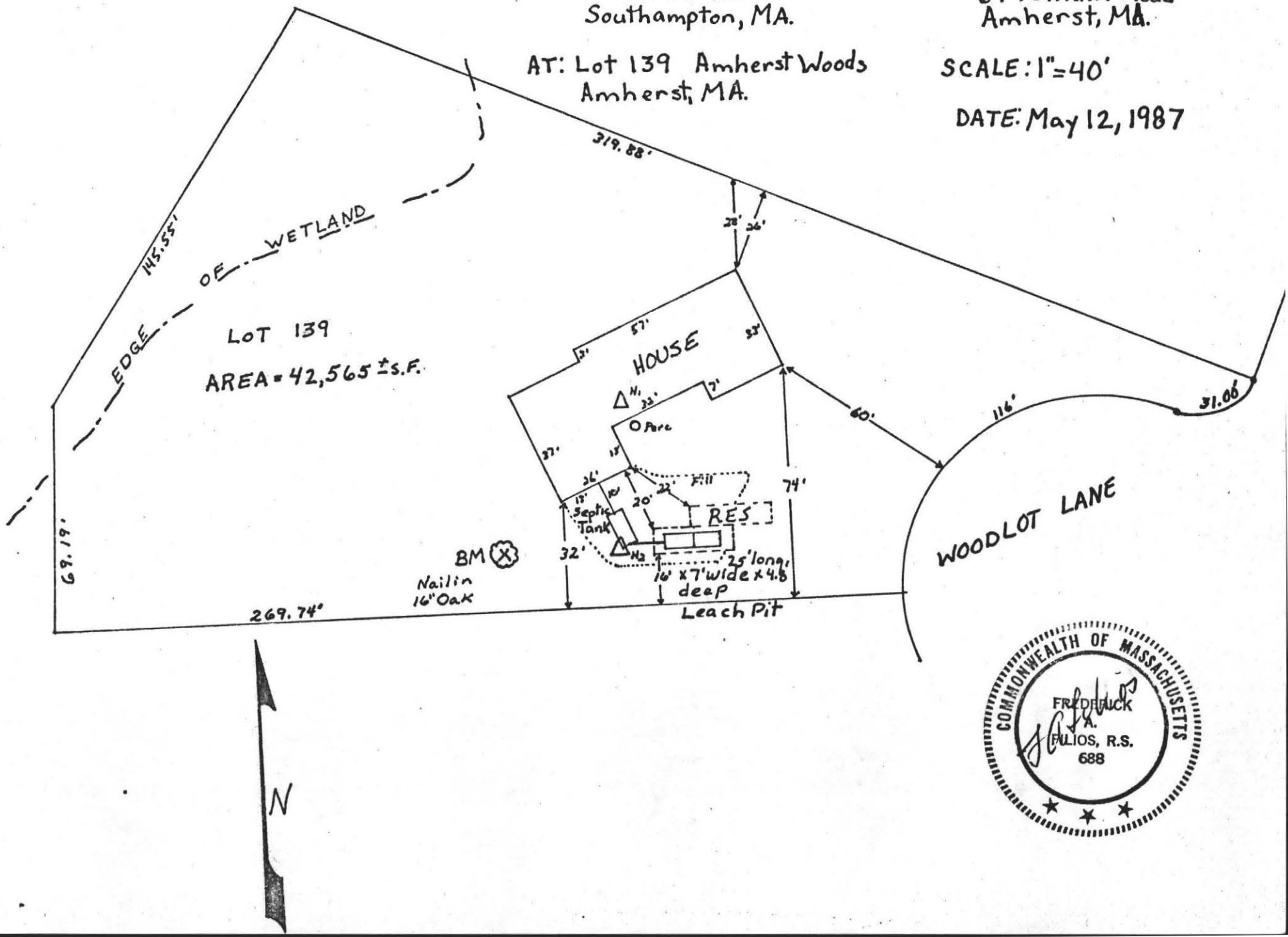
FOR: David Washburn
39 Miller Ave.
Southampton, MA.

AT: Lot 139 Amherst Woods
Amherst, MA.

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

SCALE: 1"=40'

DATE: May 12, 1987



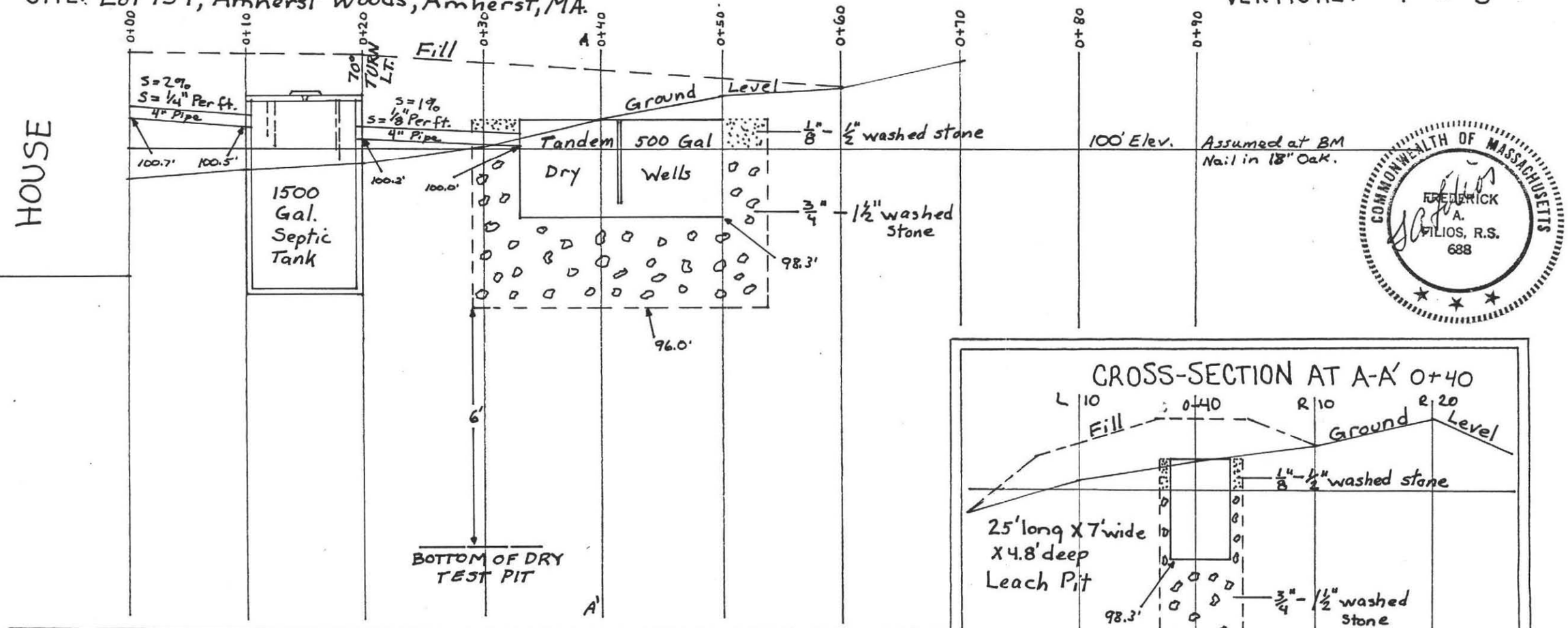
COMMONWEALTH OF MASSACHUSETTS
FREDERICK A. FILIOS, R.S.
688

PROFILE OF SEPTIC SYSTEM

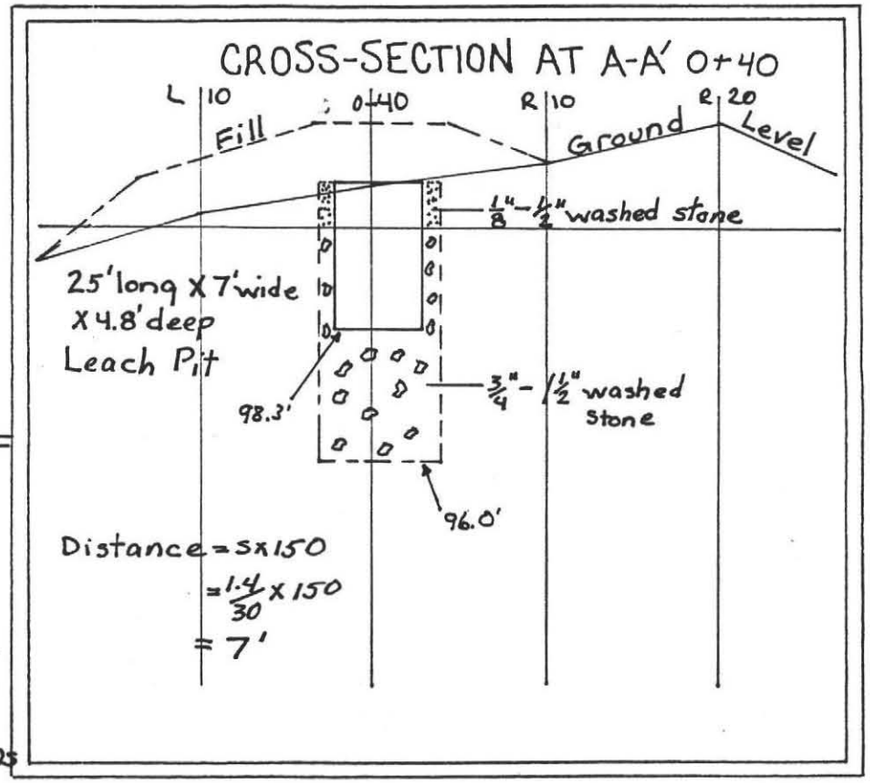
FOR: David Washburn
39 Miller Ave., Southampton, MA.

SITE: Lot 139, Amherst Woods, Amherst, MA.

BY: FREDERICK A. FILIOS W.T.
DATE: May 12, 1987
SCALE: HORIZONTAL: 1" = 10'
VERTICAL: 1" = 3'



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

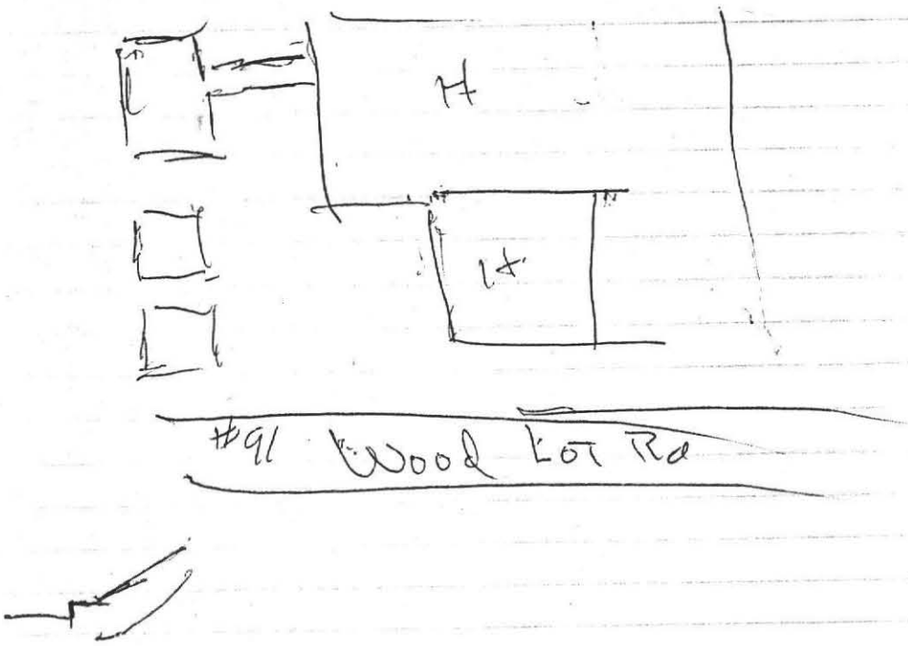


SPECIFICATIONS

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 GG = 660 X 1.25 = 825 gallons
Perc Rate = 2 min./inch sides: 2.5 gal./s.f. Bottom = 1.0 gal./s.f.
Leach Pit: 25' long x 7' wide x 4.8' deep
Sides: 25' X 4.1' x 2 = 205 s.f. X 2.5 gal./s.f. = 512.5 gal.
7' x 4.1' x 2 = 57.4 s.f. X 2.5 gal./s.f. = 143.5 gal.
Bottom: 25' x 7' = 175 s.f. X 1.0 gal./s.f. = 175.0 gal.
Proposed Total = 831.0 gallons


H
H
#91 Wood Lot Rd

No. 87-14

Fee $90

CK 931

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

TOWN OF AMHERST

Application for Disposal Works Construction Permit

COMMONWEALTH OF MASSACHUSETTS — PROJECT — FRANCIS 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 139 — or Lot No.

David Washburn — Owner

39 Miller Ave. Southampton, MA. — Address

ED STONE — Installer

MONTAGUE MA. — Address

Type of Building — Size Lot 42,565± 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 125 = 825 gallons.

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

~~Disposal Trench — No.~~ ..... Width 7' Total Length 25' Total leaching area 262.4 sq. ft. Sides

Seepage Pit No. 1 ~~Diameter~~ ..... Depth below inlet 4.1' Total leaching area 175 sq. ft. Bottom

Other Distribution box ( ) Dosing tank ( ) 3/16/87 = H_2

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Test Pit No. 1 2 minutes per inch Depth of Test Pit 10' Depth to ground water NONE

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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.

X Signed ON FILE — Date 5-18-87

Application Approved By [signature] — Date 5-18-87

Application Disapproved *for the following reasons:*

Date

Permit No. 87-14 Issued 5-18-87 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 .....

at Lot 139 Woodlot Lane, Installer Amherst Woods

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 6, 1986 - H_1
March 16, 1987 - H_2

LOCATION Lot 139 Amherst Woods
Amherst, MA.

OBSERVER F. A. Filios

B of H C. Drake

H_1

Soil

0-7"	Topsoil
7-28"	Subsoil
28"-10'	Fine sand and silt

10'

GROUND WATER oxides at 6'

GROUND WATER _____

H_2

0-8"	Topsoil
8-32"	Subsoil
32"-9½'	Fine sand
9½-10'	Clay

10'

GROUND WATER NONE

GROUND WATER _____

PERCOLATION RATE AT 50":

< 2 min./inch

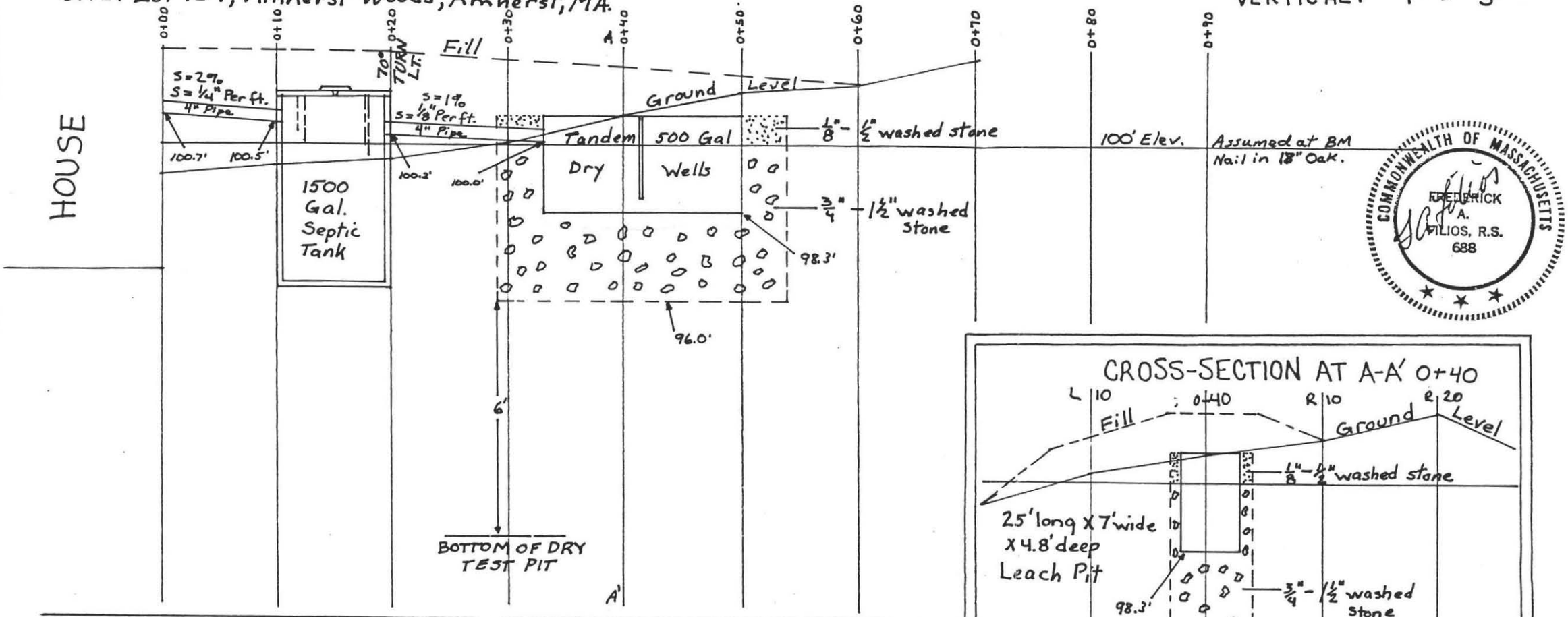
COMMONWEALTH OF MASSACHUSETTS
FREDERICK A. FILIOS, R.S.
688

PROFILE OF SEPTIC SYSTEM

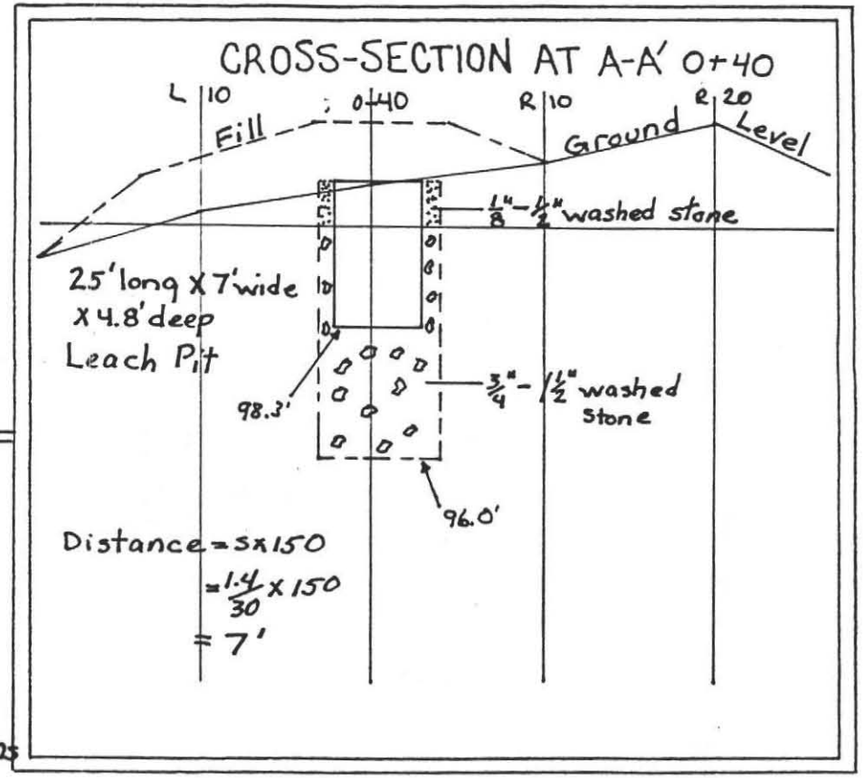
FOR: David Washburn
39 Miller Ave., Southampton, MA.

SITE: Lot 139, Amherst Woods, Amherst, MA.

BY: FREDERICK A. FILIOS W.T.
DATE: May 12, 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 GG = 660 X 1.25 = 825 gallons
Perc Rate = 2 min./inch Sides: 2.5 gal./s.f. Bottom = 1.0 gal./s.f.
Leach Pit: 25' long x 7' wide x 4.8' deep
Sides: 25' X 4.1' X 2 = 205 s.f. X 2.5 gal./s.f. = 512.5 gal.
7' X 4.1' X 2 = 57.4 s.f. X 2.5 gal./s.f. = 143.5 gal.
Bottom: 25' X 7' = 175 s.f. X 1.0 gal./s.f. = 175.0 gal.
Proposed Total = 831.0 gallons