

# 560

Richard Scott, P.E.  
31 Shutesbury Road  
Pelham, MA 01002  
(413) 256-0647

August 30, 1997

Dave Zarozinski  
Amherst Health Department  
Bangs Center - Boltwood Walk  
Amherst, MA 01002

Subject: Title 5 Septic System Inspection at 560 South East Street  
Property of Jay Garfield (c/o Steve Feldman)

Dear Dave:

On August 22, 1997 I completed an inspection of the septic system at the subject property in accordance with 310 CMR 15.000 (Title 5) requirements. On August 27 I received from your office copies of additional documentation on the system. Two copies of the report with attachments are enclosed for your use. My report classifies this system as, "Passes." Additional notations about the system are contained in the report.

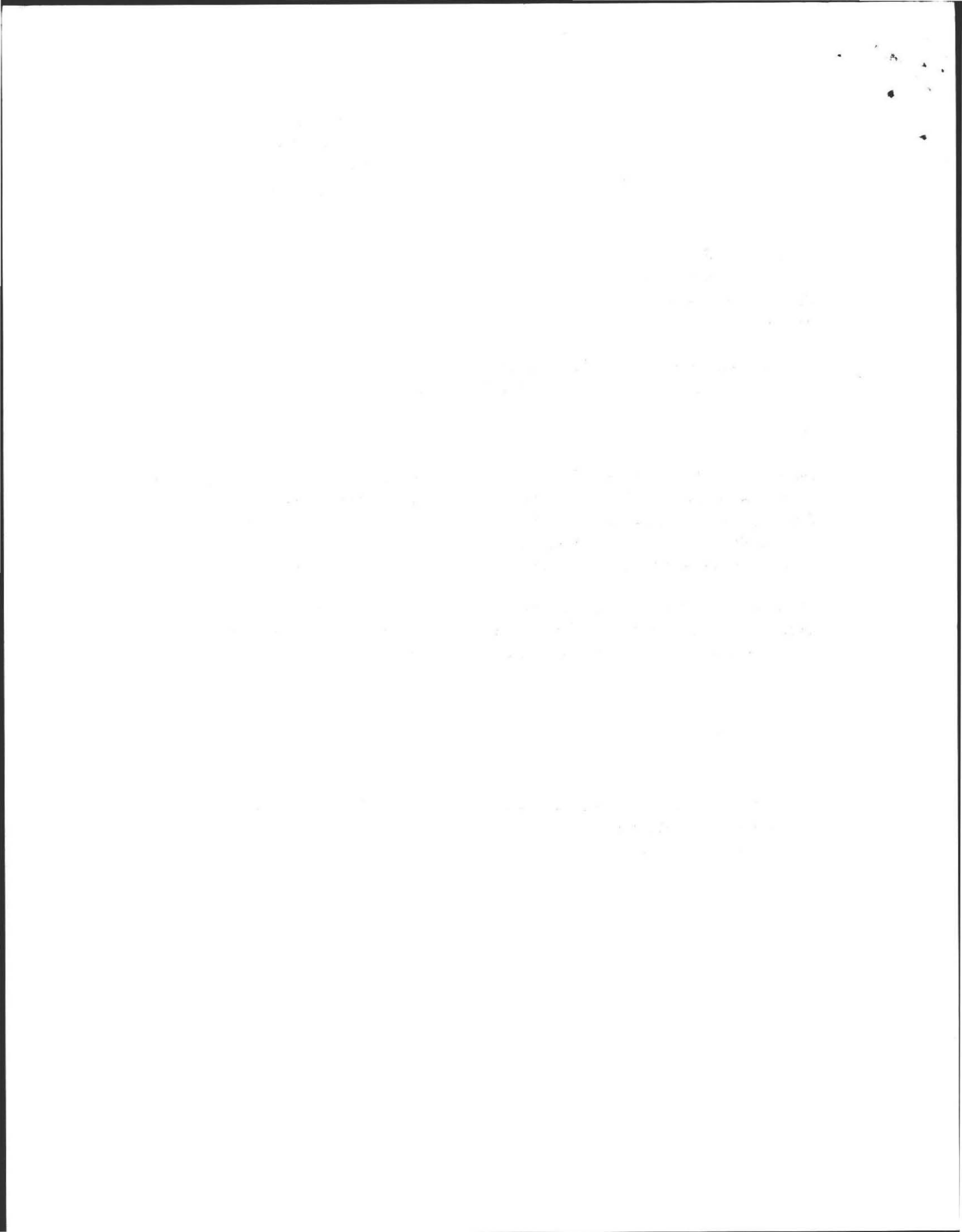
My review of the history and my site inspection meet the Title 5 requirement for an inspection prior to sale, so a pending transfer may legally proceed. With regard to my inspection and report, if you have any additional questions please contact me.

Sincerely,



Richard Scott, P.E.

cc: Jay Garfield, Owner c/o Steve Feldman  
Steve Feldman, Realtor  
Others at closing c/o Steve Feldman



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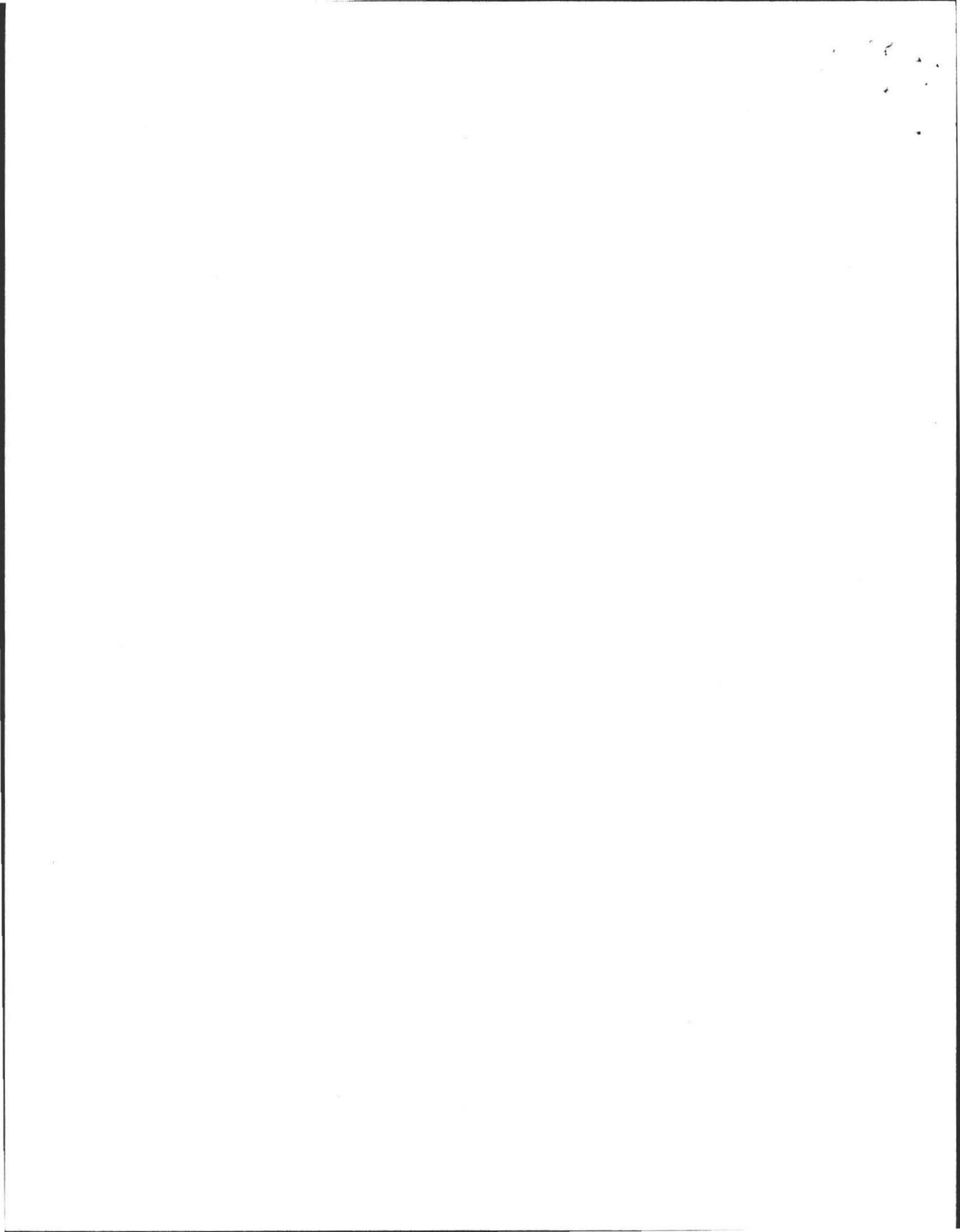
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Steve Feldman, Realtor  
Others at closing c/o Steve Feldman



SUBSURFACE SEWAGE DISPOSAL SYSTEM INSPECTION FORM  
PART A  
CERTIFICATION (continued)

Property Address: 560 SOUTH EAST ST., AMHERST  
Owner: JAY GARFIELD  
Date of Inspection: 8-22-97

**B) SYSTEM CONDITIONALLY PASSES (continued)**

- Sewage backup or breakout or high static water level observed in the distribution box is due to broken or obstructed pipe(s) or due to a broken, settled or uneven distribution box. The system will pass inspection if (with approval of the Board of Health). Describe observations:
  - broken pipe(s) are replaced
  - obstruction is removed
  - distribution box is levelled or replaced
  
- The system required pumping more than four times a year due to broken or obstructed pipe(s). The system will pass inspection if (with approval of the Board of Health):
  - broken pipe(s) are replaced
  - obstruction is removed

**C) FURTHER EVALUATION IS REQUIRED BY THE BOARD OF HEALTH:**

Conditions exist which require further evaluation by the Board of Health in order to determine if the system is failing to protect the public health, safety and the environment.

**1) SYSTEM WILL PASS UNLESS BOARD OF HEALTH DETERMINES THAT THE SYSTEM IS NOT FUNCTIONING IN A MANNER WHICH WILL PROTECT THE PUBLIC HEALTH AND SAFETY AND THE ENVIRONMENT:**

- Cesspool or privy is within 50 feet of a surface water
- Cesspool or privy is within 50 feet of a bordering vegetated wetland or a salt marsh.

**2) SYSTEM WILL FAIL UNLESS THE BOARD OF HEALTH (AND PUBLIC WATER SUPPLIER, IF APPROPRIATE) DETERMINES THAT THE SYSTEM IS FUNCTIONING IN A MANNER THAT PROTECTS THE PUBLIC HEALTH AND SAFETY AND THE ENVIRONMENT:**

- The system has a septic tank and soil absorption system (SAS) and the SAS is within 100 feet to a surface water supply or tributary to a surface water supply.
- The system has a septic tank and soil absorption system and the SAS is within a Zone I of a public water supply well.
- The system has a septic tank and soil absorption system and the SAS is within 50 feet of a private water supply well.
- The system has a septic tank and soil absorption system and the SAS is less than 100 feet but 50 feet or more from a private water supply well, unless a well water analysis for coliform bacteria and volatile organic compounds indicates that the well is free from pollution from that facility and the presence of ammonia nitrogen and nitrate nitrogen is equal to or less than 5 ppm. Method used to determine distance \_\_\_\_\_ (approximation not valid).

**3) OTHER**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



COMMONWEALTH OF MASSACHUSETTS  
 EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS  
 DEPARTMENT OF ENVIRONMENTAL PROTECTION  
 ONE WINTER STREET, BOSTON, MA 02108 617-292-5500

WILLIAM F. WELD  
 Governor

TRUDY COXE  
 Secretary

ARGEO PAUL CELLUCCI  
 Lt. Governor

DAVID B. STRUHS  
 Commissioner

SUBSURFACE SEWAGE DISPOSAL SYSTEM INSPECTION FORM  
 PART A  
 CERTIFICATION

Property Address: 560 SOUTH EAST ST., AMHERST  
 Date of Inspection: AUG. 22, 1997  
 Name of Inspector: RICHARD SCOTT

Address of Owner: JAY GARFIELD  
 (If different) % STEVE FELDMAN - SAWICKI REALTY LLC  
462 MAIN ST.  
AMHERST, MA 01002  
413 256-6773

I am a DEP approved system inspector pursuant to Section 15.340 of Title 5 (310 CMR 15.000)

Company Name: RICHARD SCOTT, P.E.  
 Mailing Address: 31 SHUTESBURY ROAD PELHAM, MA 01002  
 Telephone Number: (413) 256-0647

CERTIFICATION STATEMENT

I certify that I have personally inspected the sewage disposal system at this address and that the information reported below is true, accurate and complete as of the time of inspection. The inspection was performed based on my training and experience in the proper function and maintenance of on-site sewage disposal systems. The system:

THE COMPLETION OF THIS INSPECTION SHALL NOT BE CONSTRUED AS A GUARANTEE THAT THE SYSTEM WILL FUNCTION SATISFACTORILY IN THE FUTURE.

- Passes
- Conditionally Passes
- Needs Further Evaluation By the Local Approving Authority
- Fails

Inspector's Signature: Richard Scott

Date: AUG. 30, 1997

The System Inspector shall submit a copy of this inspection report to the Approving Authority within thirty (30) days of completing this inspection. If the system is a shared system or has a design flow of 10,000 gpd or greater, the inspector and the system owner shall submit the report to the appropriate regional office of the Department of Environmental Protection. The original should be sent to the system owner and copies sent to the buyer, if applicable, and the approving authority.

INSPECTION SUMMARY: Check A, B, C, or D:

A) SYSTEM PASSES:

I have not found any information which indicates that the system violates any of the failure criteria as defined in 310 CMR 15.303. Any failure criteria not evaluated are indicated below.

COMMENTS: COPIES OF DOCUMENTATION FROM 1994 REPAIR ARE ATTACHED

B) SYSTEM CONDITIONALLY PASSES:

\_\_\_\_\_ One or more system components as described in the "Conditional Pass" section need to be replaced or repaired. The system, upon completion of the replacement or repair, as approved by the Board of Health, will pass.

Indicate yes, no, or not determined (Y, N, or ND). Describe basis of determination in all instances. If "not determined", explain why not.

\_\_\_\_\_ The septic tank is metal, unless the owner or operator has provided the system inspector with a copy of a Certificate of Compliance (attached) indicating that the tank was installed within twenty (20) years prior to the date of the inspection; or the septic tank, whether or not metal, is cracked, structurally unsound, shows substantial infiltration or exfiltration, or tank failure is imminent. The system will pass inspection if the existing septic tank is replaced with a conforming septic tank as approved by the Board of Health.

SUBSURFACE SEWAGE DISPOSAL SYSTEM INSPECTION FORM  
PART B  
CHECKLIST

Property Address: 560 SOUTH EAST ST, AMHERST  
 Owner: JAY GARFIELD  
 Date of Inspection: 8-22-97

Check if the following have been done: You must indicate either "Yes" or "No" as to each of the following:

- | Yes                                 | No                       |   |
|-------------------------------------|--------------------------|---|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Pumping information was provided by the owner, occupant, or Board of Health.  |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | None of the system components have been pumped for at least two weeks and the system has been receiving normal flow rates during that period. Large volumes of water have not been introduced into the system recently or as part of this inspection. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | As built plans have been obtained and examined. Note if they are not available with N/A.  |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | The facility or dwelling was inspected for signs of sewage back-up.   |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | The system does not receive non-sanitary or industrial waste flow.  |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | The site was inspected for signs of breakout.   |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All system components, excluding the Soil Absorption System, have been located on the site.   |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | The septic tank manholes were uncovered, opened, and the interior of the septic tank was inspected for condition of baffles or tees, material of construction, dimensions, depth of liquid, depth of sludge, depth of scum.                           |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | The facility owner (and occupants, if different from owner) were provided with information on the proper maintenance of Sub-Surface Disposal System.  |

The size and location of the Soil Absorption System on the site has been determined based on:

- |                                     |                          |  |
|-------------------------------------|--------------------------|--|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Existing information. Ex. Plan at B.O.H.   |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Determined in the field (if any of the failure criteria related to Part C is at issue, approximation of distance is unacceptable) [15.302(3)(b)] |

SUBSURFACE SEWAGE DISPOSAL SYSTEM INSPECTION FORM  
PART A  
CERTIFICATION (continued)

Property Address: 560 SOUTH EAST ST, AMHERST  
 Owner: JAY GARFIELD  
 Date of Inspection: 8-22-97

**D] SYSTEM FAILS:**

You must indicate either "Yes" or "No" as to each of the following:

I have determined that the system violates one or more of the following failure criteria as defined in 310 CMR 15.303. The basis for this determination is identified below. The Board of Health should be contacted to determine what will be necessary to correct the failure.

- | Yes                      | No                       |  |
|--------------------------|--------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | Backup of sewage into facility or system component due to an overloaded or clogged SAS or cesspool.  |
| <input type="checkbox"/> | <input type="checkbox"/> | Discharge or ponding of effluent to the surface of the ground or surface waters due to an overloaded or clogged SAS or cesspool.   |
| <input type="checkbox"/> | <input type="checkbox"/> | Static liquid level in the distribution box above outlet invert due to an overloaded or clogged SAS or cesspool.   |
| <input type="checkbox"/> | <input type="checkbox"/> | Liquid depth in cesspool is less than 6" below invert or available volume is less than 1/2 day flow.   |
| <input type="checkbox"/> | <input type="checkbox"/> | Required pumping more than 4 times in the last year <b>NOT</b> due to clogged or obstructed pipe(s).<br>Number of times pumped <input type="checkbox"/> .  |
| <input type="checkbox"/> | <input type="checkbox"/> | Any portion of the Soil Absorption System, cesspool or privy is below the high groundwater elevation.  |
| <input type="checkbox"/> | <input type="checkbox"/> | Any portion of a cesspool or privy is within 100 feet of a surface water supply or tributary to a surface water supply.  |
| <input type="checkbox"/> | <input type="checkbox"/> | Any portion of a cesspool or privy is within a Zone I of a public well.  |
| <input type="checkbox"/> | <input type="checkbox"/> | Any portion of a cesspool or privy is within 50 feet of a private water supply well.   |
| <input type="checkbox"/> | <input type="checkbox"/> | Any portion of a cesspool or privy is less than 100 feet but greater than 50 feet from a private water supply well with no acceptable water quality analysis. If the well has been analyzed to be acceptable, attach copy of well water analysis for coliform bacteria, volatile organic compounds, ammonia nitrogen and nitrate nitrogen. |

**E] LARGE SYSTEM FAILS:**

You must indicate either "Yes" or "No" as to each of the following:

The following criteria apply to large systems in addition to the criteria above:

The system serves a facility with a design flow of 10,000 gpd or greater (Large System) and the system is a significant threat to public health and safety and the environment because one or more of the following conditions exist:

- | Yes                      | No                       |   |
|--------------------------|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | the system is within 400 feet of a surface drinking water supply  |
| <input type="checkbox"/> | <input type="checkbox"/> | the system is within 200 feet of a tributary to a surface drinking water supply   |
| <input type="checkbox"/> | <input type="checkbox"/> | the system is located in a nitrogen sensitive area (Interim Wellhead Protection Area - IWPA) or a mapped Zone II of a public water supply well) |

The owner or operator of any such system shall bring the system and facility into full compliance with the groundwater treatment program requirements of 314 CMR 5.00 and 6.00. Please consult the local regional office of the Department for further information.



SUBSURFACE SEWAGE DISPOSAL SYSTEM INSPECTION FORM  
PART C  
SYSTEM INFORMATION (continued)

Property Address: 560 SOUTH EAST ST, AMHERST  
Owner: JAY GARFIELD  
Date of Inspection: 8-22-97

**BUILDING SEWER:**  
(Locate on site plan)

Depth below grade: 12"+  
Material of construction:  cast iron  40 PVC  other (explain)

Distance from private water supply well or suction line N/A 20' FROM PRESSURE WATER SUPPLY LINE.

Diameter 4"

Comments: (condition of joints, venting, evidence of leakage, etc.)

GOOD CONDITION, NO EVIDENCE OF LEAKAGE.

**SEPTIC TANK:**   
(locate on site plan)

Depth below grade: 42"  
Material of construction:  concrete  metal  Fiberglass  Polyethylene  other(explain)

If tank is metal, list age  Is age confirmed by Certificate of Compliance  (Yes/No)

Dimensions: 58" x 102" x 48"

Sludge depth: 8"

Distance from top of sludge to bottom of outlet tee or baffle: 22"

Scum thickness: 2"

Distance from top of scum to top of outlet tee or baffle: 4"

Distance from bottom of scum to bottom of outlet tee or baffle: 18"

How dimensions were determined: MEASURED DIRECTLY DURING PUMPING.

Comments:

(recommendation for pumping, condition of inlet and outlet tees or baffles, depth of liquid level in relation to outlet invert, structural integrity, evidence of leakage, etc.) CONDITION OF TANK, BAFFLES, RISERS & COVERS IS GOOD.

**GREASE TRAP:** N/A  
(locate on site plan)

Depth below grade:       
Material of construction:  concrete  metal  Fiberglass  Polyethylene  other(explain)

Dimensions:     

Scum thickness:     

Distance from top of scum to top of outlet tee or baffle:     

Distance from bottom of scum to bottom of outlet tee or baffle:     

Date of last pumping:     

Comments:

(recommendation for pumping, condition of inlet and outlet tees or baffles, depth of liquid level in relation to outlet invert, structural integrity, evidence of leakage, etc.)

SUBSURFACE SEWAGE DISPOSAL SYSTEM INSPECTION FORM  
PART C  
SYSTEM INFORMATION

Property Address: 560 SOUTH EAST ST., AMHERST  
Owner: JAY GARFIELD  
Date of Inspection: 8-22-97

FLOW CONDITIONS

RESIDENTIAL:

Design flow: 110 g.p.d./bedroom for S.A.S. } DESIGN IS FOR 330 GPD. HOUSE HAS A TOTAL OF 8 ROOMS.  
Number of bedrooms: 3  
Number of current residents: ? STUDENT TENANTS  
Garbage grinder (yes or no): No  
Laundry connected to system (yes or no): YES  
Seasonal use (yes or no): No  
Water meter readings, if available (last two (2) year usage (gpd): NOT AVAILABLE  
Sump Pump (yes or no): No

Last date of occupancy: JULY 97

COMMERCIAL/INDUSTRIAL:

Type of establishment: \_\_\_\_\_  
Design flow: \_\_\_\_\_ gallons/day  
Grease trap present: (yes or no) \_\_\_\_\_  
Industrial Waste Holding Tank present: (yes or no) \_\_\_\_\_  
Non-sanitary waste discharged to the Title 5 system: (yes or no) \_\_\_\_\_  
Water meter readings, if available: \_\_\_\_\_  
Last date of occupancy: \_\_\_\_\_

OTHER: (Describe) \_\_\_\_\_  
Last date of occupancy: \_\_\_\_\_

GENERAL INFORMATION

PUMPING RECORDS and source of information:

SYSTEM APPARENTLY NOT PUMPED SINCE COMPLETION OF REPAIR AUG. 1994.  
System pumped as part of inspection: (yes or no) YES  
If yes, volume pumped: 1000 gallons  
Reason for pumping: SOLIDS REMOVAL - CHECK TANK.

TYPE OF SYSTEM

- PUMP CHAMBER Septic tank/distribution box/soil absorption system
- Single cesspool
- Overflow cesspool
- Privy
- Shared system (yes or no) (if yes, attach previous inspection records, if any)
- I/A Technology etc. Copy of up to date contract?
- Other \_\_\_\_\_

APPROXIMATE AGE of all components, date installed (if known) and source of information: 3 YEARS OLD. REPAIR DOCUMENTATION ON FILE @ HEALTH DEPT.

Sewage odors detected when arriving at the site: (yes or no) NO

SUBSURFACE SEWAGE DISPOSAL SYSTEM INSPECTION FORM  
PART C  
SYSTEM INFORMATION (continued)

Property Address: 560 SOUTH EAST ST., AMHERST  
Owner: JAY GARFIELD  
Date of Inspection: 8-22-97

SOIL ABSORPTION SYSTEM (SAS):   
(locate on site plan, if possible; excavation not required, but may be approximated by non-intrusive methods)

If not determined to be present, explain:

\_\_\_\_\_

\_\_\_\_\_

Type:

leaching pits, number: \_\_\_\_\_  
leaching chambers, number: \_\_\_\_\_  
leaching galleries, number: \_\_\_\_\_  
leaching trenches, number, length: ONE @ 52' LONG PER 1994 DESIGN PLAN.  
leaching fields, number, dimensions: \_\_\_\_\_  
overflow cesspool, number: \_\_\_\_\_  
Alternative system: \_\_\_\_\_  
Name of Technology: \_\_\_\_\_

Comments:

(note condition of soil, signs of hydraulic failure, level of ponding, condition of vegetation, etc.)

NO SIGNS OF ANY PROBLEMS

\_\_\_\_\_

\_\_\_\_\_

CESSPOOLS: N/A  
(locate on site plan)

Number and configuration: \_\_\_\_\_  
Depth-top of liquid to inlet invert: \_\_\_\_\_  
Depth of solids layer: \_\_\_\_\_  
Depth of scum layer: \_\_\_\_\_  
Dimensions of cesspool: \_\_\_\_\_  
Materials of construction: \_\_\_\_\_  
Indication of groundwater: \_\_\_\_\_  
inflow (cesspool must be pumped as part of inspection) \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Comments:

(note condition of soil, signs of hydraulic failure, level of ponding, condition of vegetation, etc.)

\_\_\_\_\_

\_\_\_\_\_

PRIVY: N/A  
(locate on site plan)

Materials of construction: \_\_\_\_\_ Dimensions: \_\_\_\_\_  
Depth of solids: \_\_\_\_\_

Comments:

(note condition of soil, signs of hydraulic failure, level of ponding, condition of vegetation, etc.)

\_\_\_\_\_

\_\_\_\_\_

SUBSURFACE SEWAGE DISPOSAL SYSTEM INSPECTION FORM  
PART C  
SYSTEM INFORMATION (continued)

Property Address: 560 SOUTH EAST ST., AMHERST  
Owner: JAY GARFIELD  
Date of Inspection: 8-22-97

TIGHT OR HOLDING TANK: N/A (Tank must be pumped prior to, or at time, of inspection)  
(locate on site plan)

Depth below grade: \_\_\_\_\_  
Material of construction: \_\_\_concrete \_\_\_metal \_\_\_Fiberglass \_\_\_Polyethylene \_\_\_other(explain)

Dimensions: \_\_\_\_\_  
Capacity: \_\_\_\_\_ gallons  
Design flow: \_\_\_\_\_ gallons/day  
Alarm level: \_\_\_\_\_ Alarm in working order \_\_\_ Yes; \_\_\_ No  
Date of previous pumping: \_\_\_\_\_  
Comments:  
(condition of inlet tee, condition of alarm and float switches, etc.)

DISTRIBUTION BOX:   
(locate on site plan)

Depth of liquid level above outlet invert: 0"

Comments:  
(note if level and distribution is equal, evidence of solids carryover, evidence of leakage into or out of box, etc.)  
DISTRIBUTION BOX IS PROPERLY INSTALLED & IN GOOD CONDITION. ONE OUTLET TO A SINGLE TRENCH.

PUMP CHAMBER:   
(locate on site plan)

Pumps in working order: (Yes or No) YES  
Alarms in working order (Yes or No) YES

Comments:  
(note condition of pump chamber, condition of pumps and appurtenances, etc.) PUMP CHAMBER, PUMP, FLOAT SWITCHES & RISER ALL APPEAR IN GOOD CONDITION. FLOAT SWITCHES APPEAR TO BE OPERABLE - PUMP WAS NOT RUN - APPARENTLY POWER TO PUMP IS NOT ON. INDICATING LIGHT & ALARM PANEL ARE INSTALLED IN CELLAR.

SUBSURFACE SEWAGE DISPOSAL SYSTEM INSPECTION FORM  
PART C  
SYSTEM INFORMATION (continued)

Property Address: 560 SOUTH EAST ST., AMHERST  
Owner: JAY GARFIELD  
Date of Inspection: 8-22-97

Depth to Groundwater 6.6 Feet

Please indicate all the methods used to determine High Groundwater Elevation:

- Obtained from Design Plans on record  
 Observation of Site (Abutting property, observation hole, basement sump etc.)  
 Determine it from local conditions  
 Check with local Board of health  
 Check FEMA Maps  
 Check pumping records  
 Check local excavators, installers  
 Use USGS Data

Describe in your own words how you established the High Groundwater Elevation. (Must be completed)

PER 1994 AS-BUILT PLAN:

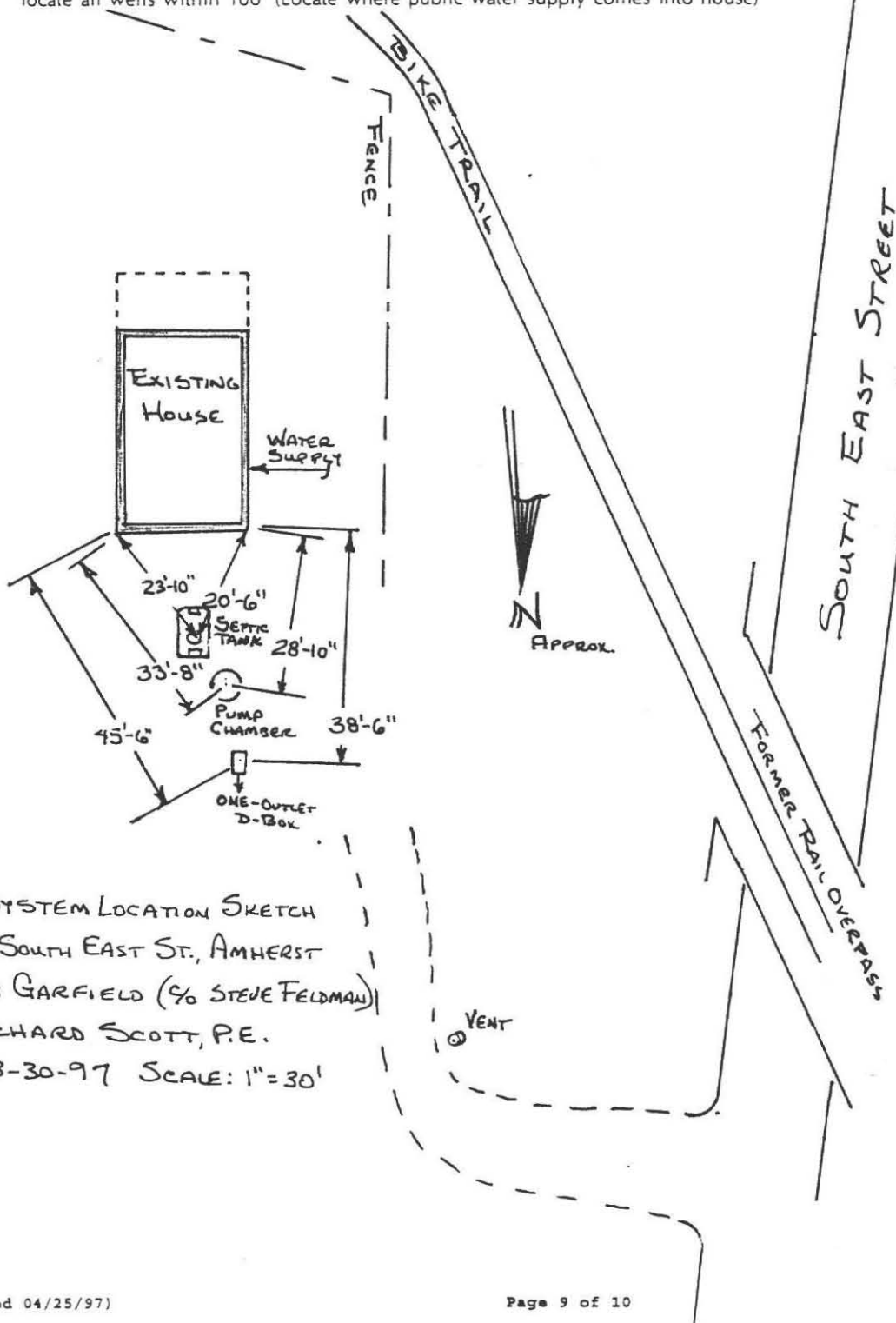
GROUNDWATER = EL. 94.9  
BOTT. OF TRENCH = EL. 99.0  
GROUND SURFACE = EL. 101.5

SUBSURFACE SEWAGE DISPOSAL SYSTEM INSPECTION FORM  
 PART C  
 SYSTEM INFORMATION (continued)

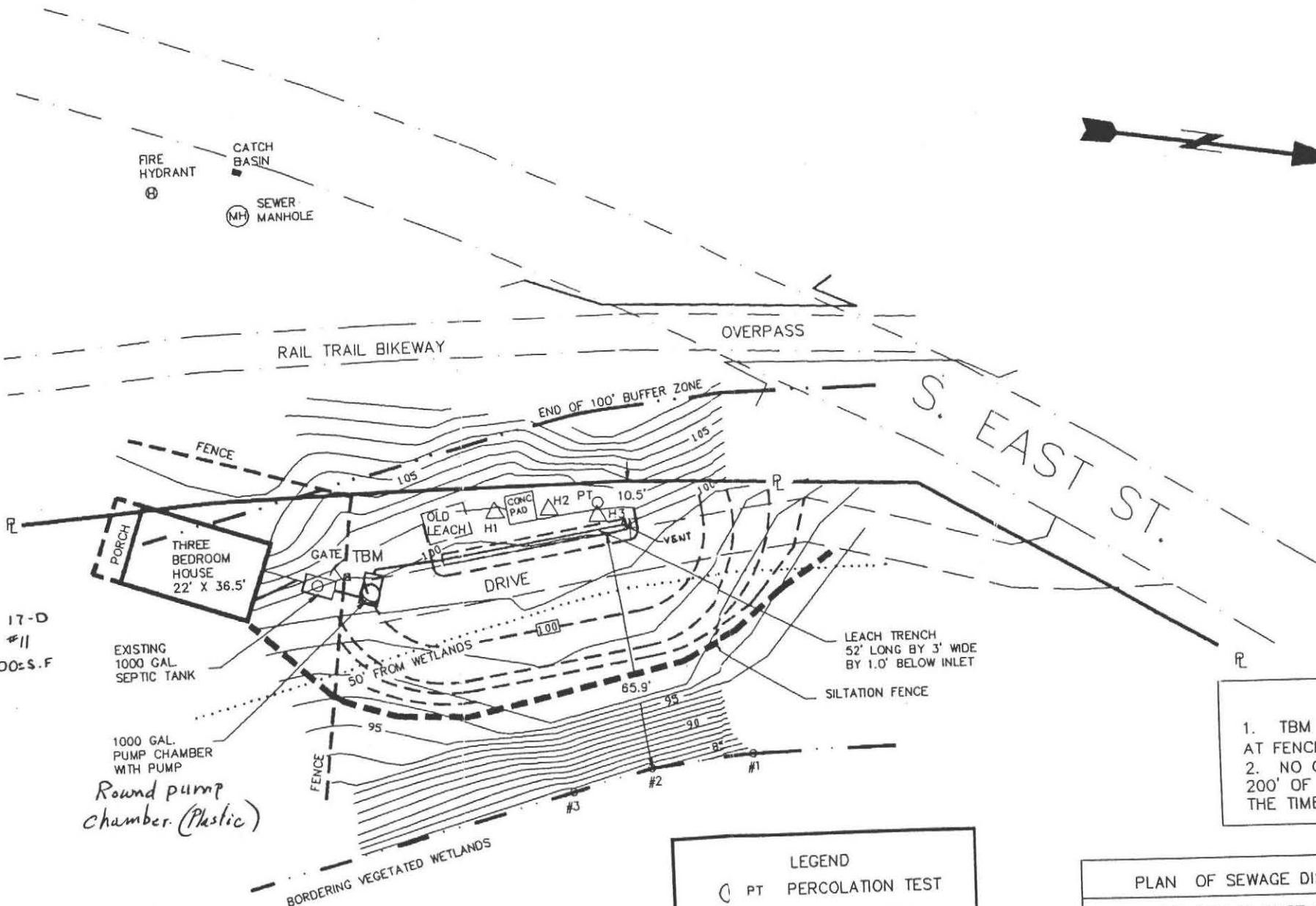
Property Address: 560 South East St., Amherst  
 Owner: JAY GARFIELD  
 Date of Inspection: 8-22-97

SKETCH OF SEWAGE DISPOSAL SYSTEM:

include ties to at least two permanent references landmarks or benchmarks  
 locate all wells within 100' (Locate where public water supply comes into house)



SEPTIC SYSTEM LOCATION SKETCH  
 AT 560 SOUTH EAST ST., AMHERST  
 FOR JAY GARFIELD (YO STEVE FELDMAN)  
 BY RICHARD SCOTT, P.E.  
 DATE 8-30-97 SCALE: 1"=30'



MAP 17-D  
LOT #11  
23,600± S.F

NOTES:  
1. TBM IS PAVING STONE AT FENCE GATE.  
2. NO OTHER WELLS WITHIN 200' OF THE LEACH AREA AT THE TIME OF SURVEY.

LEGEND	
	PT PERCOLATION TEST
	Hx DEEP TEST PIT
	EXISTING CONTOURS (1' INTERVAL)
	PROPOSED CONTOURS (1' INTERVAL)

PLAN OF SEWAGE DISPOSAL SYSTEM	
AT: 560 S. EAST ST., AMHERST, MA	
BY: FILIOS ENTERPRISES, INC. 69 PELHAM RD. AMHERST MA 01002 (413)256-8008	FOR: JAY GARFIELD 560 S. EAST ST. AMHERST, MA 01002
DRAWN BY: P. FILIOS	SCALE: 1" = 30'
7 JULY, 1994	PAGE 1 OF 2

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

Date: Aug 21 1974

Name: Jay Garfield  
Address: 560 So. East St.  
Amherst Mass. 01002

Dear Mr. Garfield

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

AT: 560 S. East St.  
Amherst MA.

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

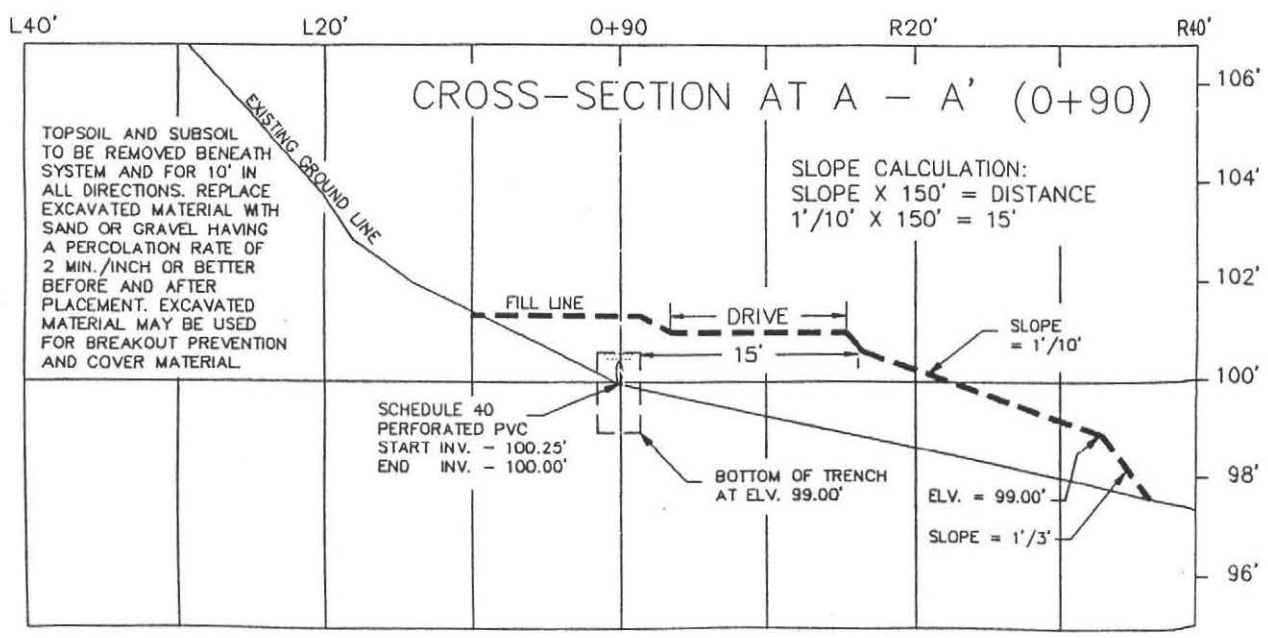
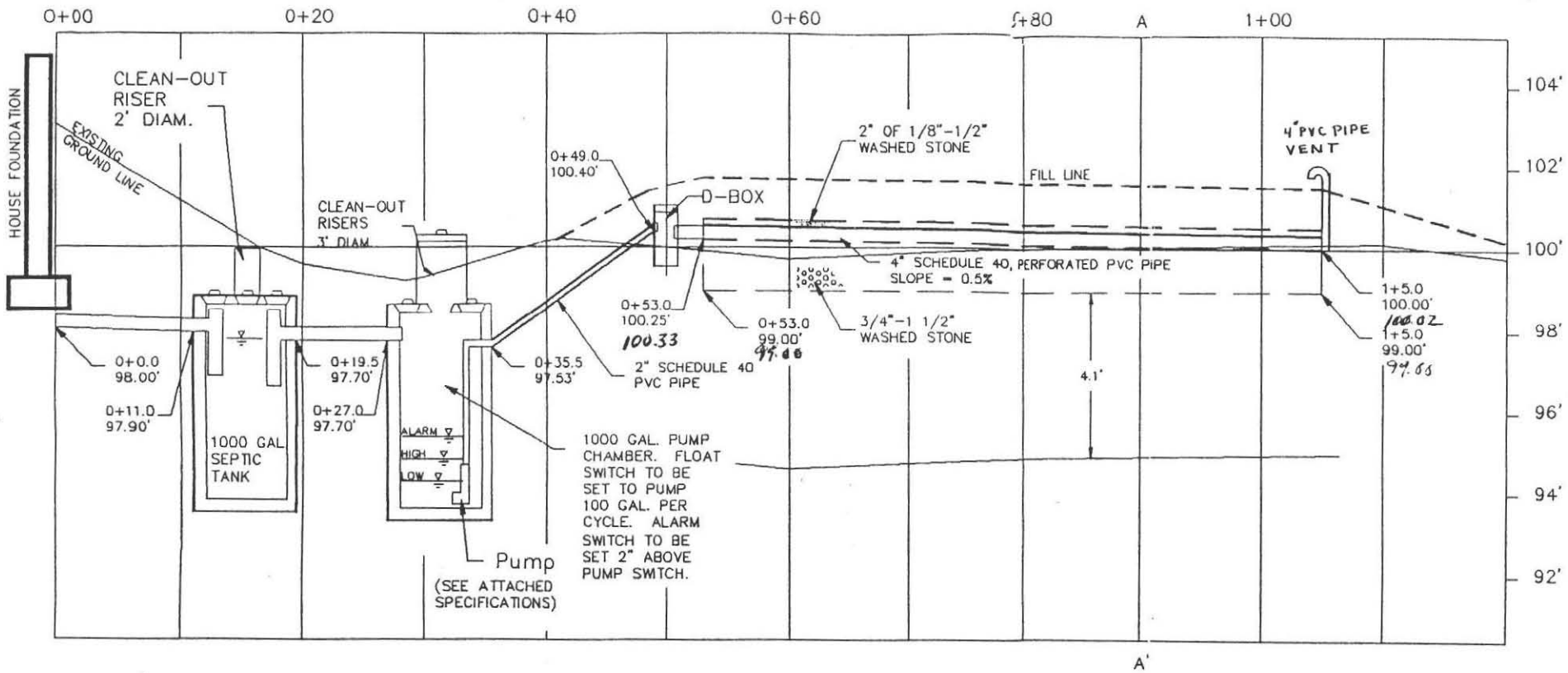
Exceptions: Exception to The design are shown in red on the enclosed copies of the plan view and profile view of the plans. These exceptions do not constitute violation of the state code; title V D.E.Q.E.

Sincerely,

*Frederick A. Filios*  
(Frederick A. Filios)

C.C. to Board of Health





CALCULA

REQUIRED: For a 3 bedroom house a capacity of 330 gal./day X 1.25

DESIGNED: 1 leach trench 52.0'L x (effective depth), for a perc rate o bottom loading factors of 2.50 and

SIDEWALL: 2 Sides(52.0' X 1.0')2.5

BOTTOM: 1 Trenches(52.0' X 3.0')

TOTAL

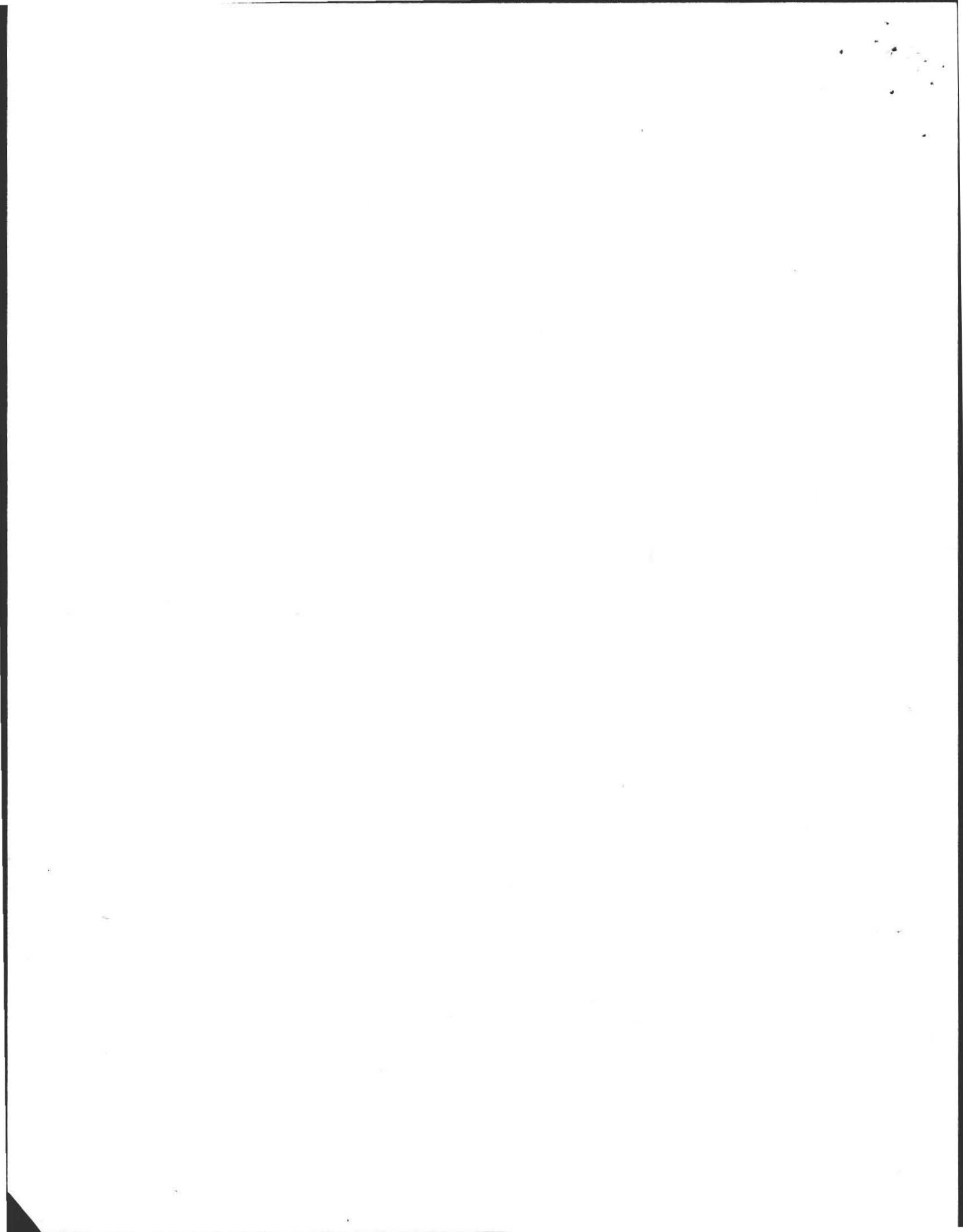
PROFILE OF SEWAGE

560 SOUTH EAST

BY: FILIOS ENTERPRISES, INC.  
69 PELHAM RD.  
AMHERST MA 01002  
(413)256-8008

DRAWN BY: P. FILIOS

11 JULY, 1994



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

Date: Aug 21 1994

Name: Jay Garfield  
Address: 560 So. East St.  
Amherst Mass. 01002

Dear Mr. Garfield

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AT: 560 S. East St.  
Amherst MA.

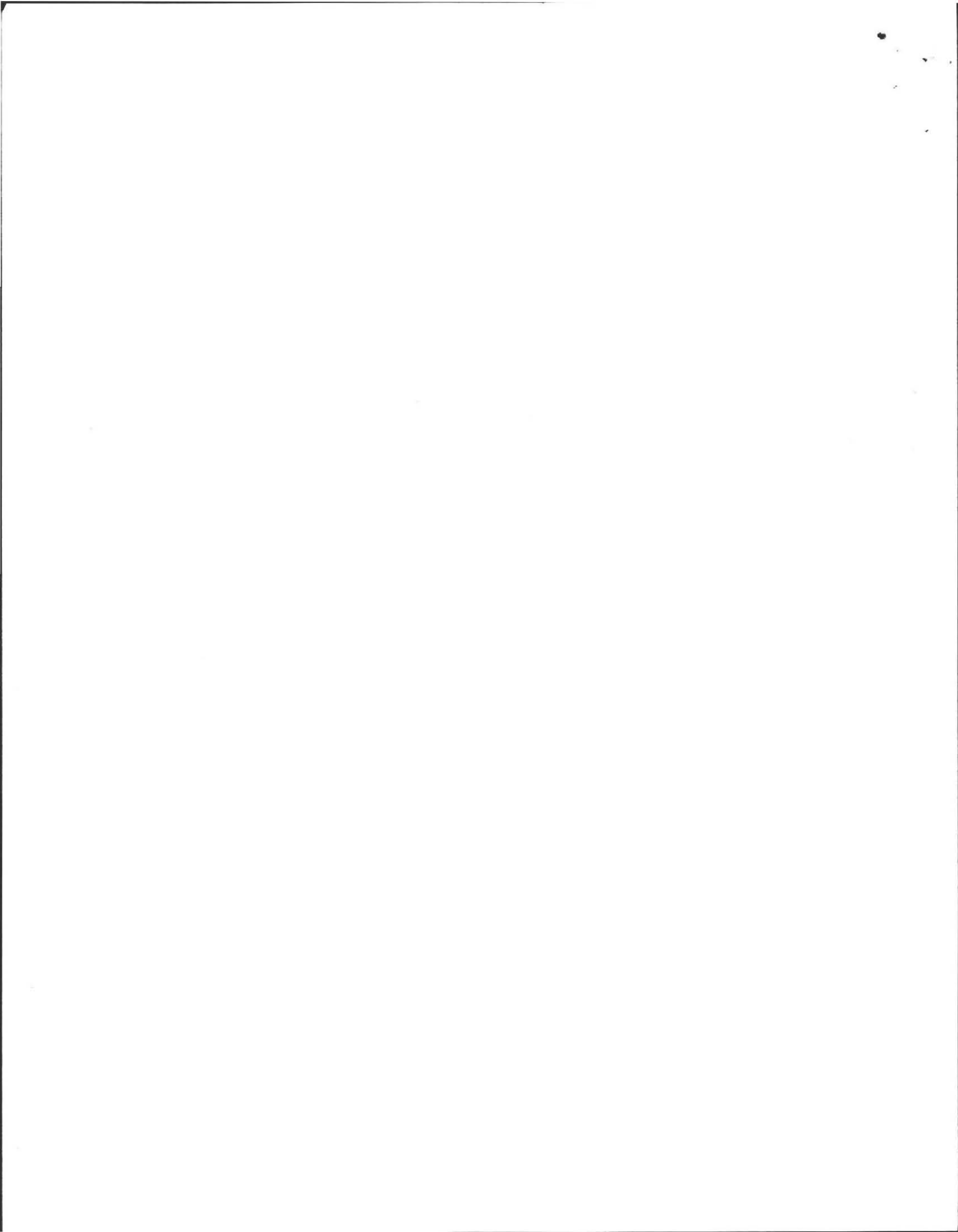
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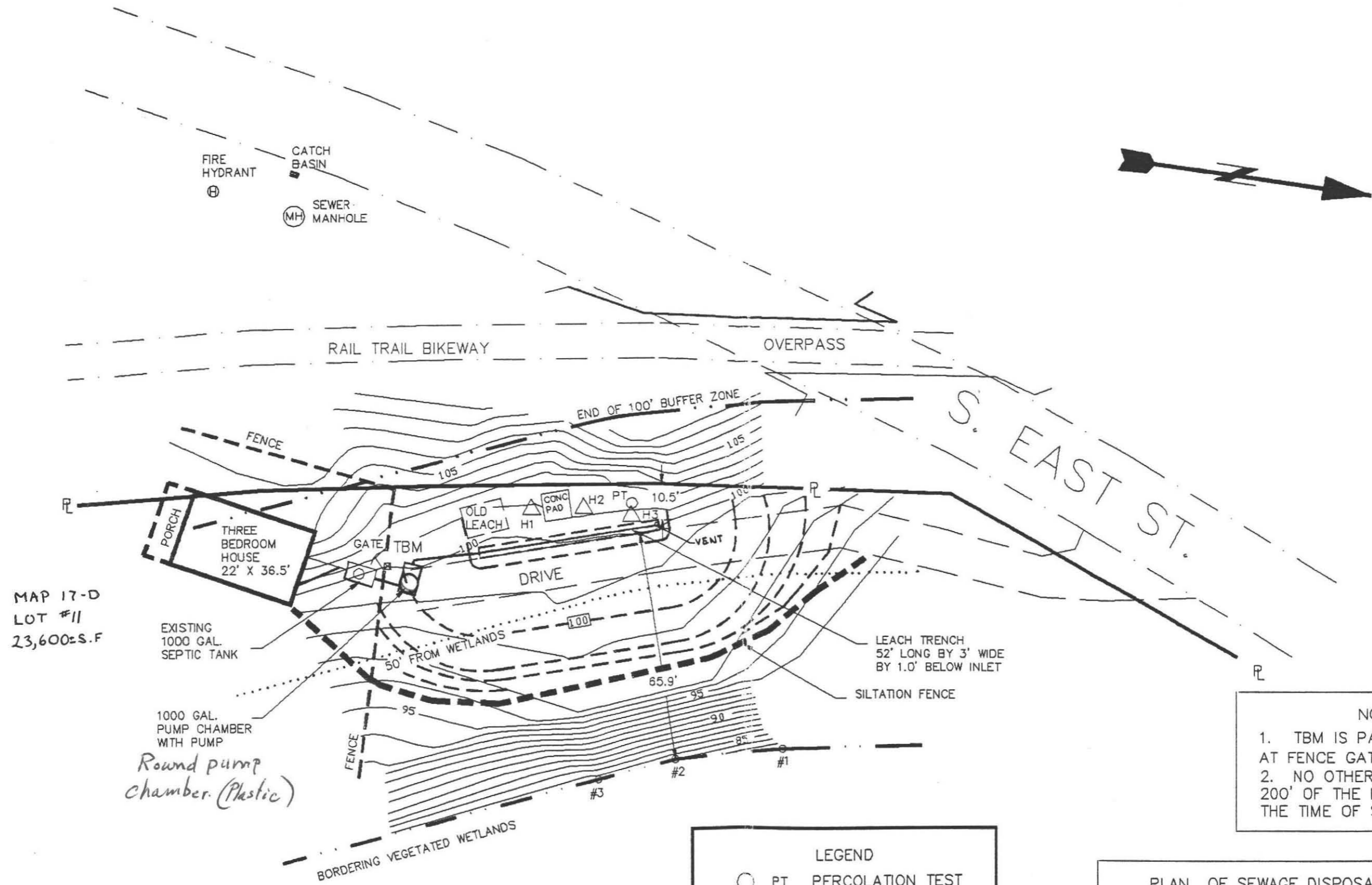
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Sincerely,

*Frederick A. Filios*  
(Frederick A. Filios)

C.C. to Board of Health





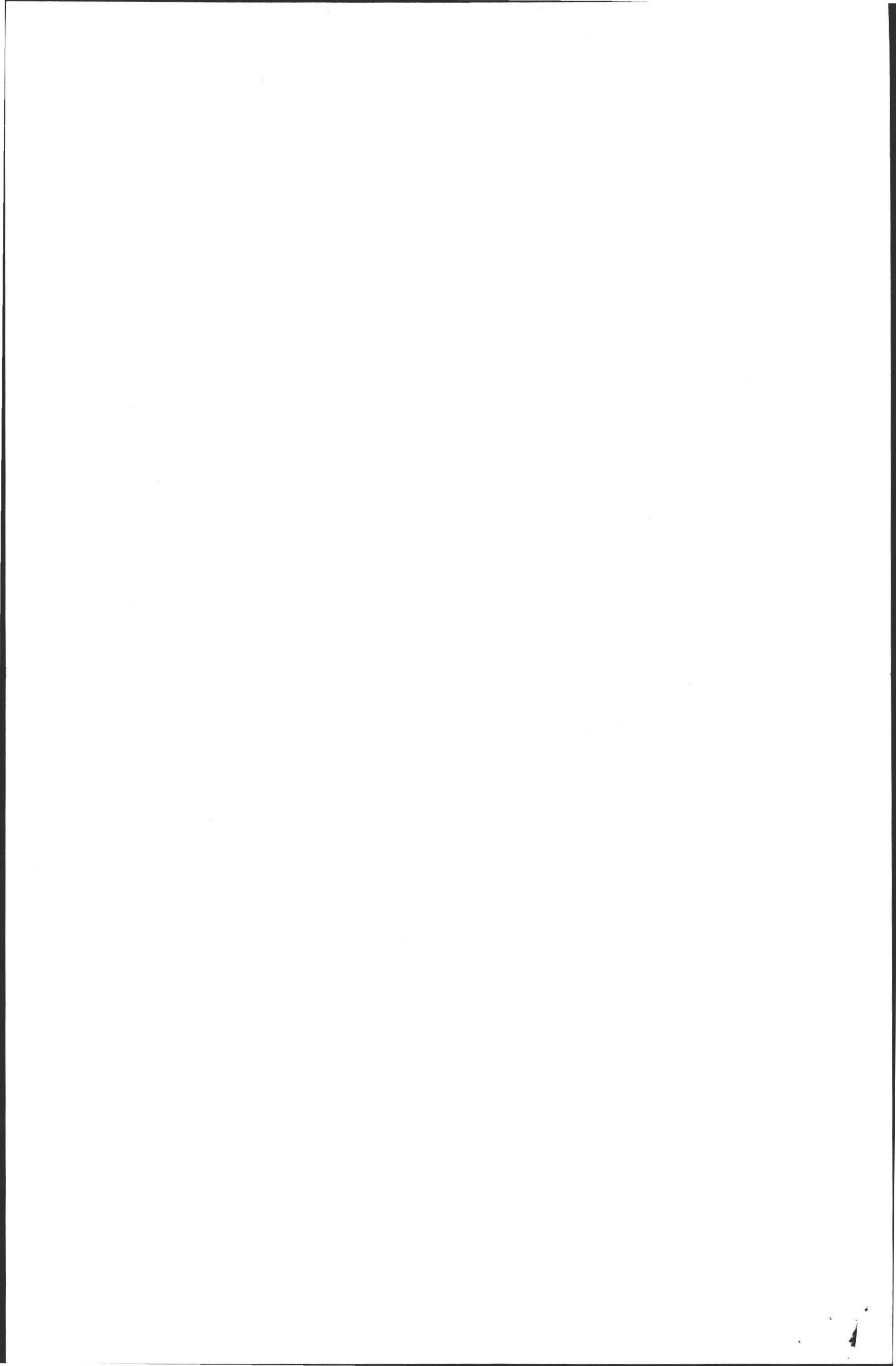
MAP 17-D  
LOT #11  
23,600±S.F

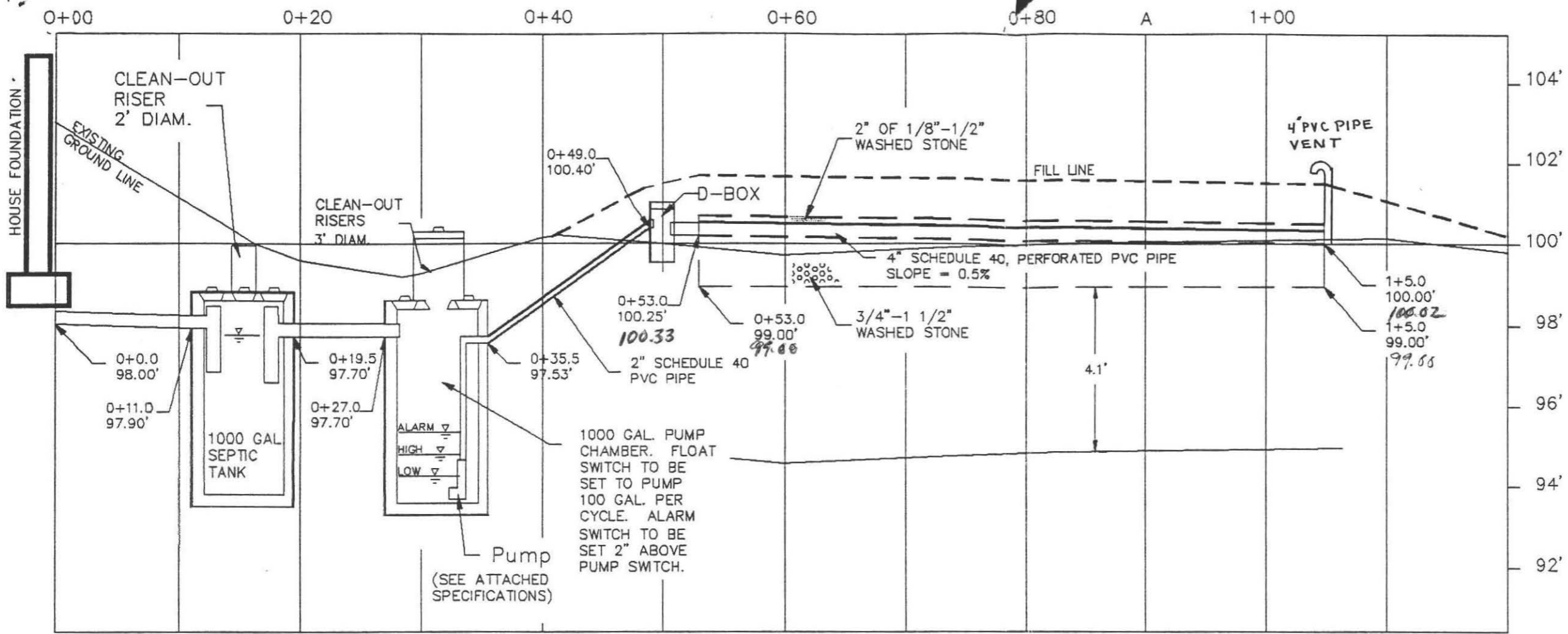
1000 GAL.  
PUMP CHAMBER  
WITH PUMP  
*Round pump  
chamber. (Plastic)*

NOTES:  
1. TBM IS PAVING STONE AT FENCE GATE.  
2. NO OTHER WELLS WITHIN 200' OF THE LEACH AREA AT THE TIME OF SURVEY.

LEGEND	
○	PT PERCOLATION TEST
△	Hx DEEP TEST PIT
—	EXISTING CONTOURS (1' INTERVAL)
- - -	PROPOSED CONTOURS (1' INTERVAL)

PLAN OF SEWAGE DISPOSAL SYSTEM	
AT: 560 S. EAST ST., AMHERST, MA	
BY: FILOS ENTERPRISES, INC. 69 PELHAM RD. AMHERST MA 01002 (413)256-8008	FOR: JAY GARFIELD 560 S. EAST ST. AMHERST, MA 01002
DRAWN BY: P. FILOS 7 JULY, 1994	SCALE: 1" = 30' PAGE 1 OF 2



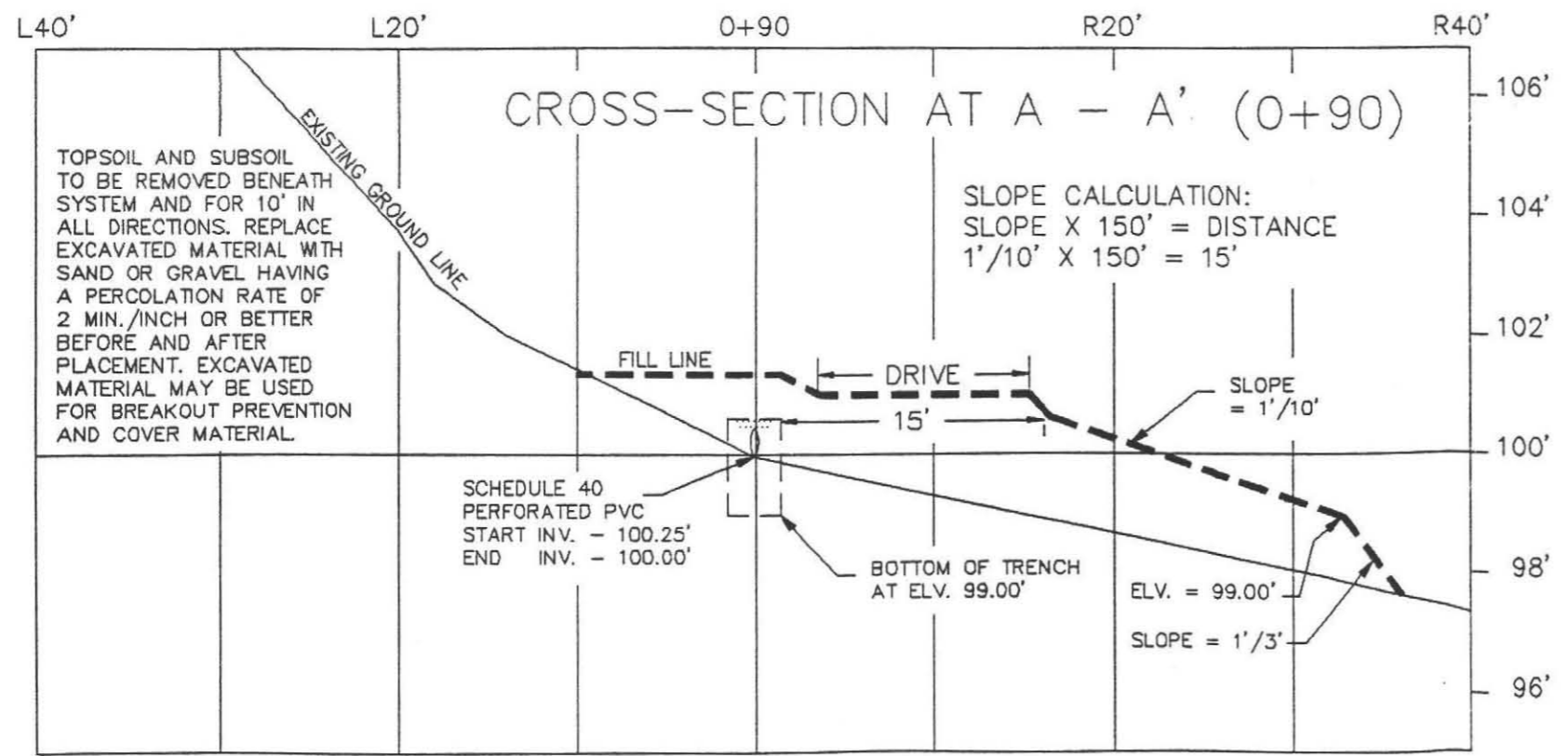


100' Elevation Assumed at TBM. TBM is paving stone at gate as shown on Plan view. TBM to be transferred at start of construction.

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

**Construction Notes**

1. Septic tank should be inspected and pumped annually.
2. Inlet and outlet tees must extend 10" and 14" below the flow line respectively.
3. Pipes exiting the D-Box remain level for 2.0' minimum.



**CALCULATIONS**

REQUIRED: For a 3 bedroom house without a garbage grinder a capacity of 330 gal./day X 1.25 = 412.5 gal./day.

DESIGNED: 1 leach trench 52.0'L X 3.0'W X 1.00' below inlet (effective depth), for a perc rate of 2 min./in., yielding side and bottom loading factors of 2.50 and 1.00 gal./sq.ft. respectively.

SIDEWALL: 2 Sides(52.0' X 1.0')2.50 Gal./Sq.Ft. = 260.0 Gal.  
 BOTTOM: 1 Trenches(52.0' X 3.0')1.00 Gal./Sq.Ft. = 156.0 Gal.  
 TOTAL = 416.0 Gal.

<b>PROFILE OF SEWAGE DISPOSAL SYSTEM</b>	
560 SOUTH EAST ST., AMHERST, MA	
BY: FILIOS ENTERPRISES, INC. 69 PELHAM RD. AMHERST MA 01002 (413)256-8008	FOR: JAY GARFIELD 560 SOUTH EAST ST. AMHERST, MA 01002
DRAWN BY: P. FILIOS	SCALE: 1" = 10' HOR. 3" VER.
11 JULY, 1994	PAGE 2 OF 2





August 8, 1994

Mr. Jay Garfield  
560 South East Street  
Amherst Massachusetts 01002

Dear Mr. Garfield:

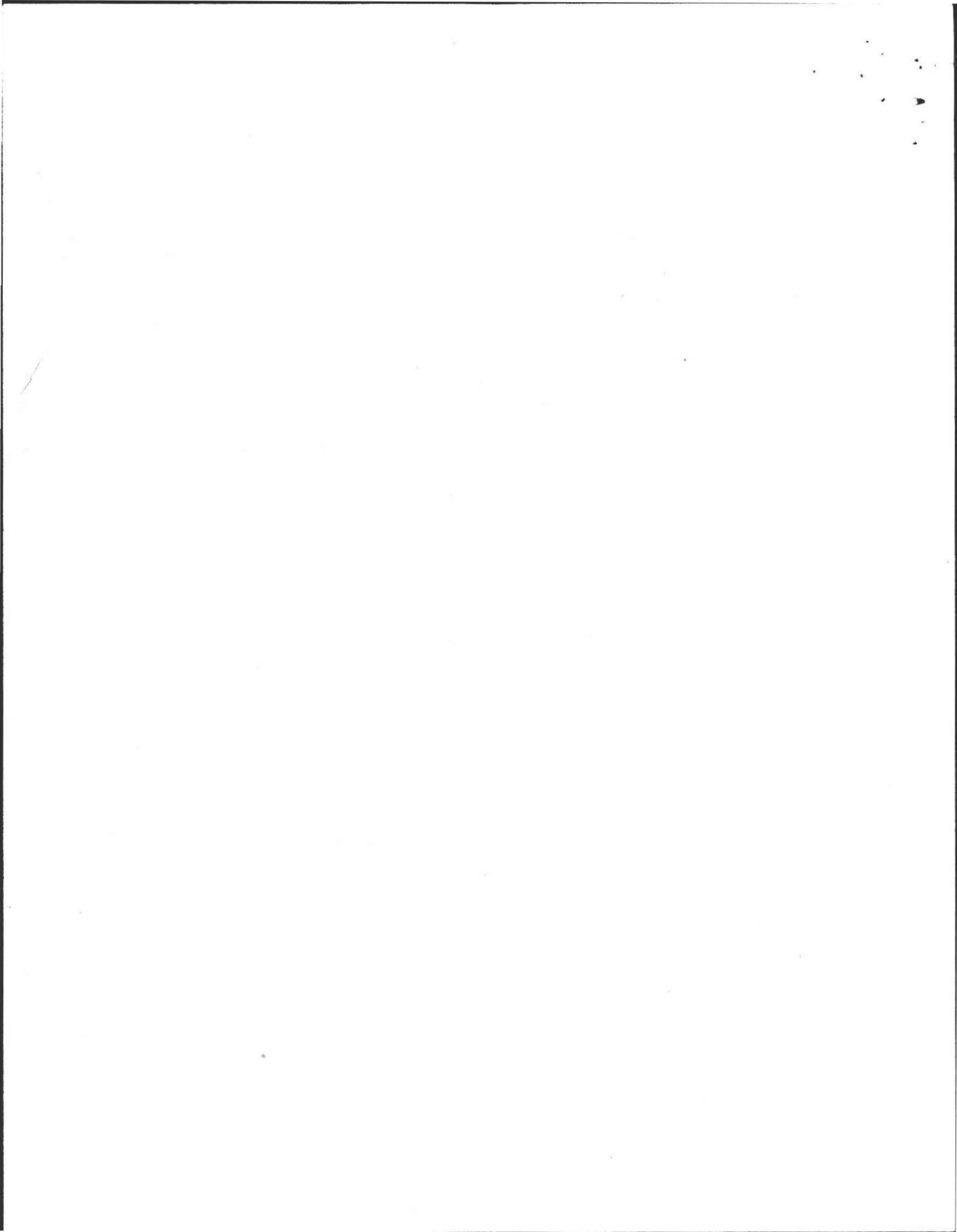
The Amherst Board of Health at their meeting on Wednesday July 27, 1994 voted unanimously to grant your variance request to the Town of Amherst Regulation, Section 3-Location (d) Distance [Reference 15.03 (7)]. Private sewage system shall not be located nearer than 100 feet from any watercourse, stream or pond.

The new system will be sixty-five (65) feet from the edge of the bordering wetlands and will meet the Town requirement of 25% larger than the State Code.

It is the Board's finding that you have proved that the same degree of environmental protection required under this Title can be achieved without strict application of the particular provision.

Sincerely,

Bettye Anderson Frederic  
Health Director



Town of



AMHERST

Massachusetts


Bettye Anderson Frederic, Director

AMHERST HEALTH DEPARTMENT

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

July 21, 1994

To: Bettye Anderson Frederic, Health Director

From: David Zarozinski, Sanitarian 

Re: Variance request to the Town of Amherst Regulation, Section 3  
- Location (d) Distance [Reference 15.03 (7)]

Private sewage disposal system shall not be located nearer than 100 feet from any watercourse, stream or pond.

Mr. Jay Garfield who resides at 560 South East Street, Amherst, MA has a failed septic system which was approximately 7 years old.

On June 15, 1994, a percolation test was conducted. The perc rate was 2 minutes an inch with oxides at 62 inches.

Mr. Garfield is requesting a variance to the Town of Amherst regulations requiring that a private sewage system shall not be located nearer than 100 feet from a watercourse.

The new septic system plans places the system 65.9 feet from the edge of the bordering wetlands. The State Title V requires a fifty foot setback.

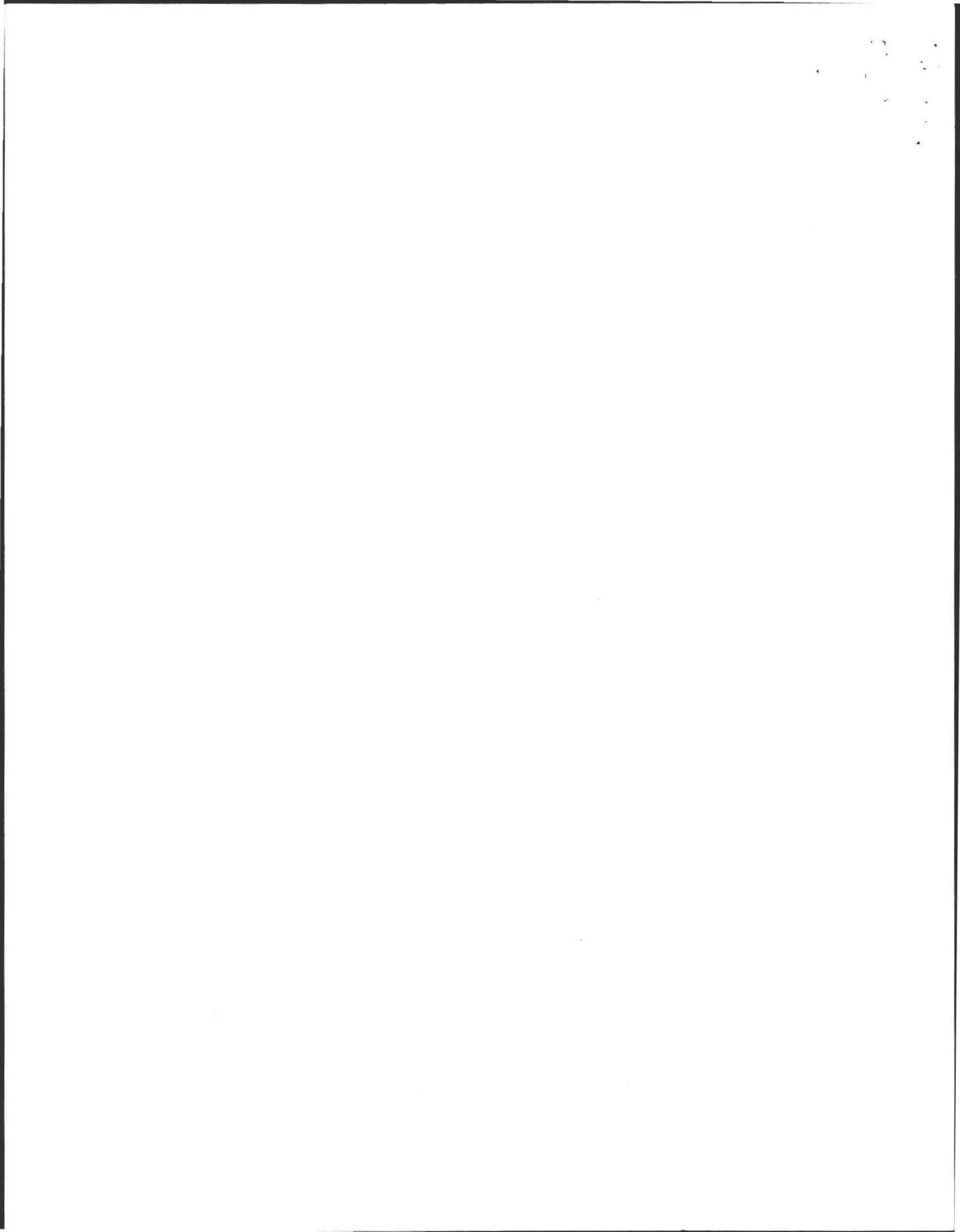
I would support the variance request because:

1. The sixty five (65) feet meets the State Standards.
2. The system will meet the Town requirement of 25% larger than State Code.
3. It is my opinion that it would not cause a public health nuisance.

Please Note:

I have enclosed a letter from Mr. Carroll Holmes of the Department of Environmental Management which explains why the state will not allow the Garfield-Garson family to connect to town sewer.

enc.





COMMONWEALTH OF MASSACHUSETTS  
EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS  
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

Rec 5/25/94

DIVISION OF FORESTS AND PARKS - REGION IV  
P.O. BOX 484, AMHERST, MA 01004 413-545-5993 FAX 545-5995

May 23, 1994

William F. Weld  
GOVERNOR

Argeo Paul Cellucci  
LT. GOVERNOR

Trudy Cox  
SECRETARY

Peter C. Webber  
COMMISSIONER

The Garfield-Garson Family  
560 South East Street  
Amherst, MA 01002

Dear Garfield-Garson Family:

I have referred your question on running a sewer line through a culvert under the Norwottuck Rail Trail to our Legal Counsel for review. Pursuant to the opinion of Nicholas A. Vontzalides, DEM Counsel, you do not have legal right to access over, under or across DEM lands for the purposes of a sewer line access.

I am further advised that the DEM cannot grant an easement to you for this purpose. By virtue of Article 97 of the Massachusetts Constitution, a grant of easement requires a specific legislative act, enacted by a 2/3 roll call vote of each branch of the Legislature.

I trust that these answers to your inquiry will be of help to you.

Sincerely,

Carroll A. Holmes  
Regional Supervisor

cc: Todd A. Frederick, Director of Forests & Parks  
Nicholas Vontzalides, DEM Counsel  
David Zierezinsky, Town of Amherst

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Town of



AMHERST

Massachusetts

Bettye Anderson Frederic, Director

OFFICE OF THE  
HEALTH DEPARTMENT

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

SANITARIAN (413) 256-4030

MISCELLANEOUS INSPECTIONS

Name JAY GARFIELD

Owner Same

Type of Business Residential

W/382-5390  
253-5447

Inspection of SEPTIC SYSTEM (Failure)  
Date: 5/10/94 Time: According to MA 9407H

Business Address 560 SOUTHEAST  
(Street)

Amherst  
(City or Town)

Violation(s) and remarks: Residential Property

owned BY MR GARFIELD - he  
stated his system has failed -

- 1) Pump station on SOUT EAST ST.
- 2) he has to cross State Property - B. M. Path
- 3) Slope condition on LEFT Side of House
- 4) Informed him to contact an engineer  
to do the site work -
- 5) used 11, 94 - MR GARFIELD called -  
he has contacted Fred Filios

STAE: D. E. M.

CARROLL HOLMES

PO Box 484 545-5993

Amherst 01003

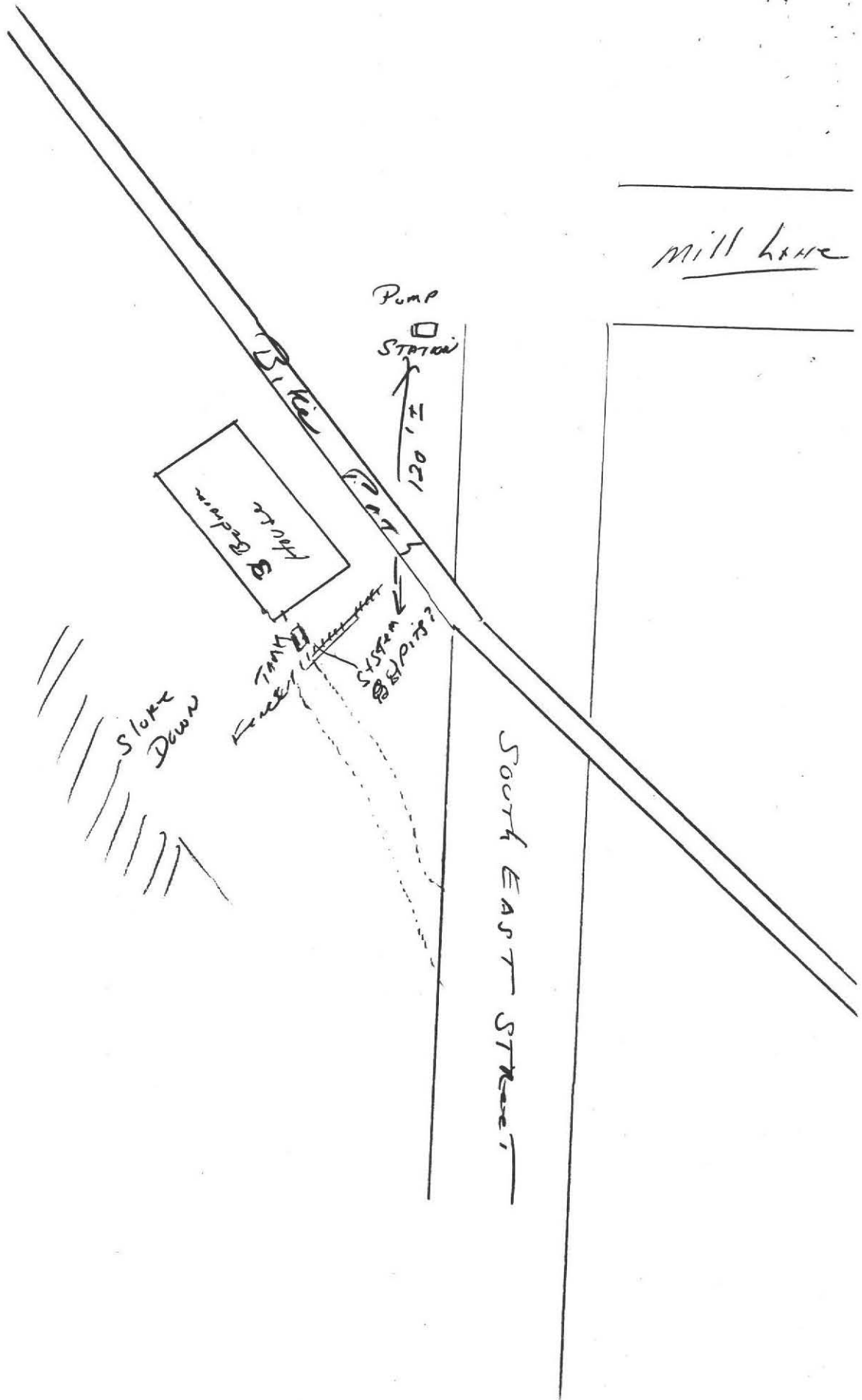
over

This Inspection Report is signed and certified  
Under the pains and penalties of perjury.

Signature of Inspector: \_\_\_\_\_

Signature of Owner or Person in Charge: \_\_\_\_\_

Mill Lane





NOT PD  
AS of 6/15/94

DATE 6/15/94 LOCATION 560 South East Street LOT SIZE \_\_\_\_\_

OWNER Jay Garfield-Rawson ADDRESS 560 South East St TELE # 253 5447

P.E./RS Fred Filios FIRM Filios Eng OBSERVED BY David Zarnack

BACK HOE OPERATOR Karl's TELE \_\_\_\_\_ BENCH MARK \_\_\_\_\_

PERC DEPTH 48" PRE SOAK TIME 9:20 PERC DEPTH \_\_\_\_\_ PRE SOAK TIME \_\_\_\_\_

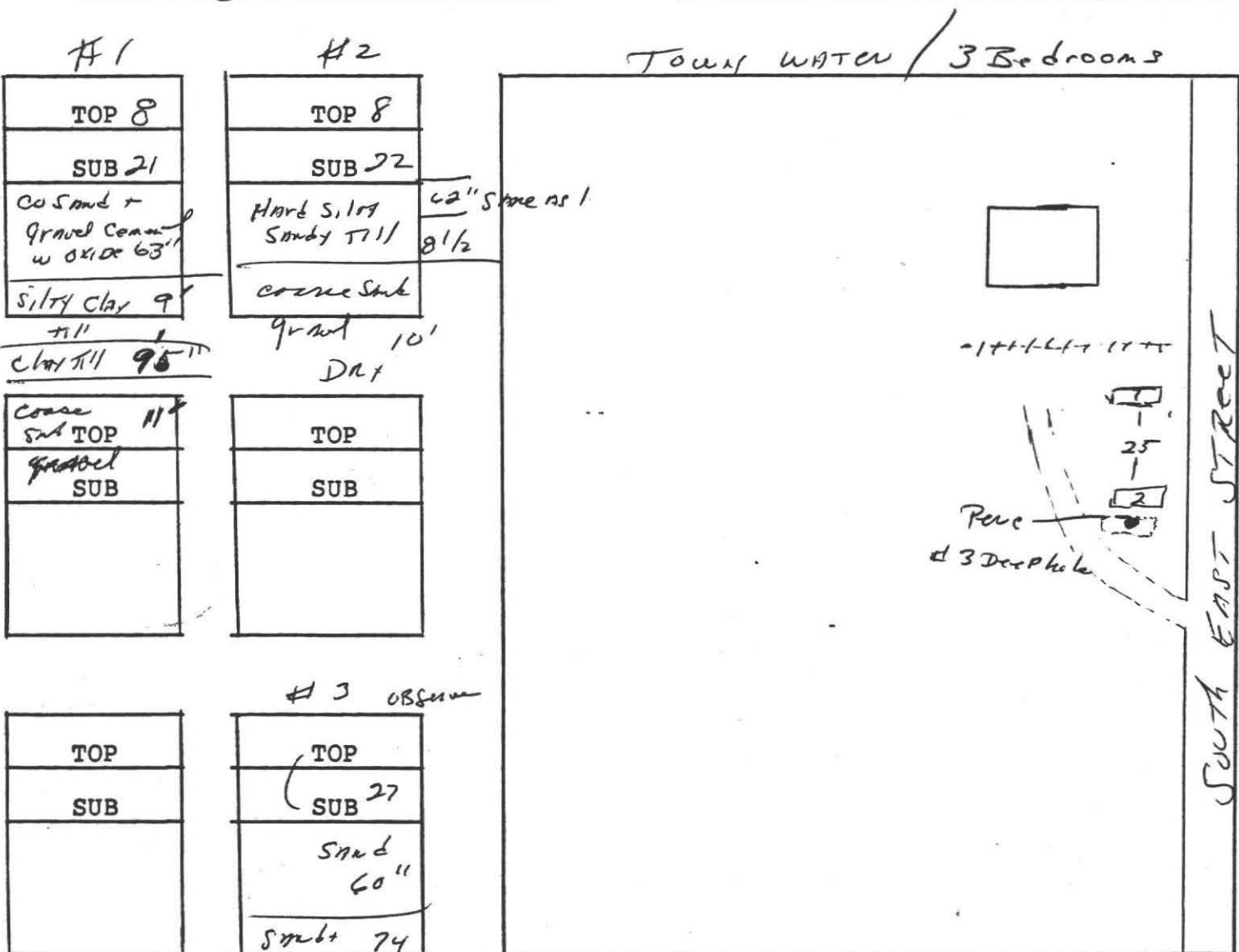
TEST 9:33<sup>58</sup> 11 7 9:36<sup>17</sup> \_\_\_\_\_

9:34<sup>21</sup> 10" 6" 9:37<sup>13</sup> CANT HOLD

9:35<sup>07</sup> 9" 25 GAL 13 MIN

9:35<sup>42</sup> 8 \_\_\_\_\_

RATE (2) RATE \_\_\_\_\_



Gravel coarse sand  
Hard pan  
AT 74



Jay Garfield  
560 So. East St.  
Amherst, MA 01002

14 July 1994

Board of Health  
Town of Amherst  
Boltwood Walk  
Amherst, MA 01002

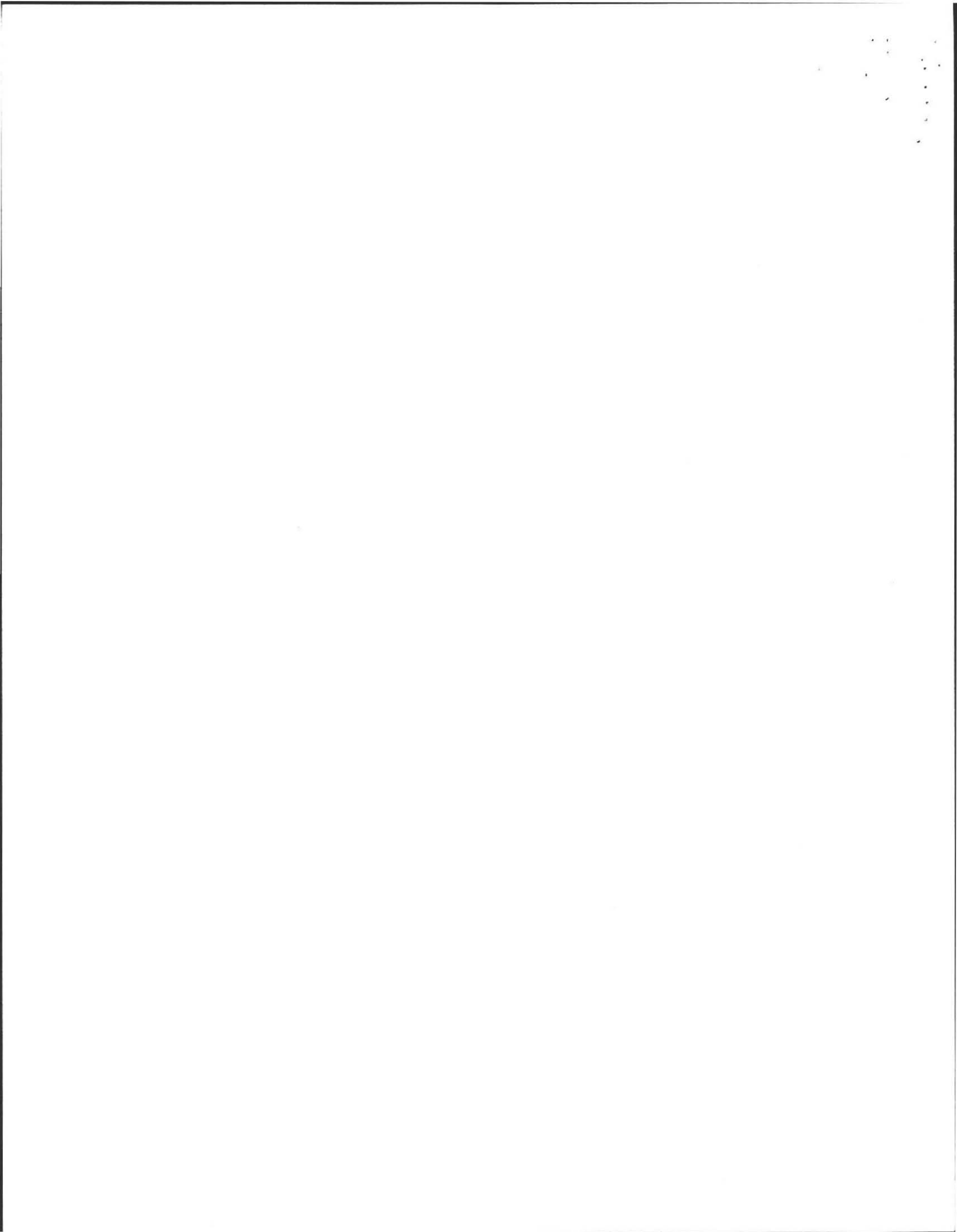
Dear Board Members:

I request I be granted a variance to the Amherst Board of Health regulations requiring that a private sewage disposal system be located greater than 100' from a watercourse (Section 3 - d.); in order to allow the repair of my existing septic system as proposed in the design by Filios Enterprises, Inc.

Sincerely,



Jay Garfield



# Filios Enterprises, Inc.

69 Pelham Rd., Amherst, MA 01002 - (413) 256-8008 / FAX (413) 253-7475

---

July 14, 1994

Board of Health  
Town of Amherst  
Boltwood Walk  
Amherst, MA 01002

Dear Board Members:

I recommend that a variance to the Town of Amherst Board of Health regulations which prohibit the location of private sewage disposal systems from being located nearer than 100' from any watercourse (Section 3 - d.) be granted to Mr. Jay Garfield to allow the repair of his existing septic system. As proposed in the enclosed plans the repaired septic system will be 65.9' from the edge of a bordering vegetated wetland. This separation meets the 50' setback requirement of Title 5 of the Mass. State Sanitary Code but is not sufficient to meet Town of Amherst Requirements. The system is designed at the maximum feasible distance from the wetland; as shown the system is designed to be 10.4' away from the property line dividing the Garfield property from the Rail Trail property; just barely more than the State minimum of 10'.

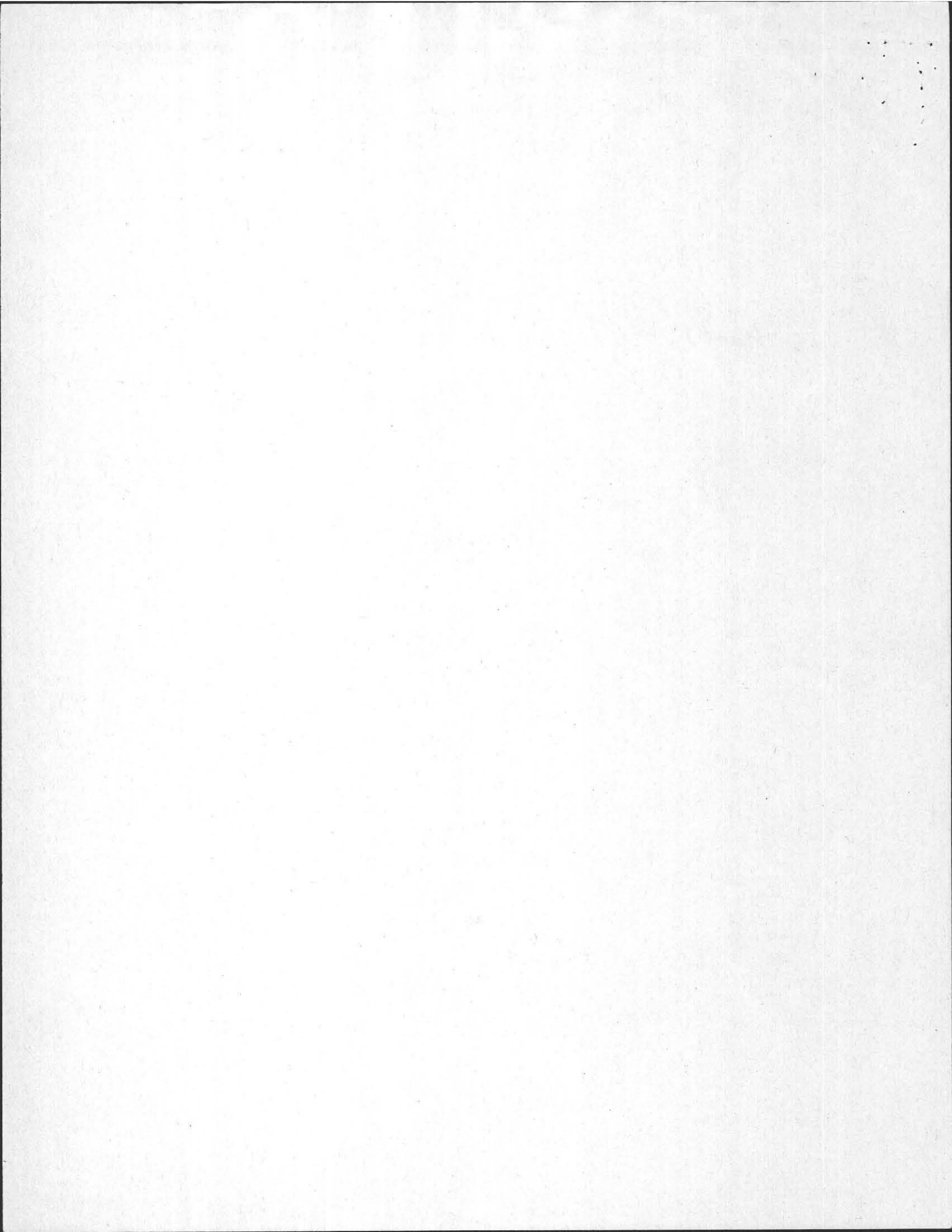
Although requiring a variance to Amherst regulations the proposed system does not represent any danger to the public health. The proposed system will be approximately 20' above the level of the wetlands ensuring adequate filtration and treatment of the effluent before it reaches the wetland. In addition this is a lightly developed area surrounded by conservation areas and easements insuring minimal loading of nutrients into the wetlands. The wetlands itself on and adjacent to the Garfield property covers a large area, and should any nutrients from the septic system reach the wetlands they would be easily treated and absorbed.

A Notice of Intent covering the work in the 100' buffer zone to the wetlands has been filed with the Amherst Conservation Commission and the Mass. Department of Environmental Protection in accordance with the Mass. Wetlands Protection Act.

Sincerely,



Frederick A. Filios, R.S.  
President





COMMONWEALTH OF MASSACHUSETTS  
EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS  
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

Rec 5/25/94

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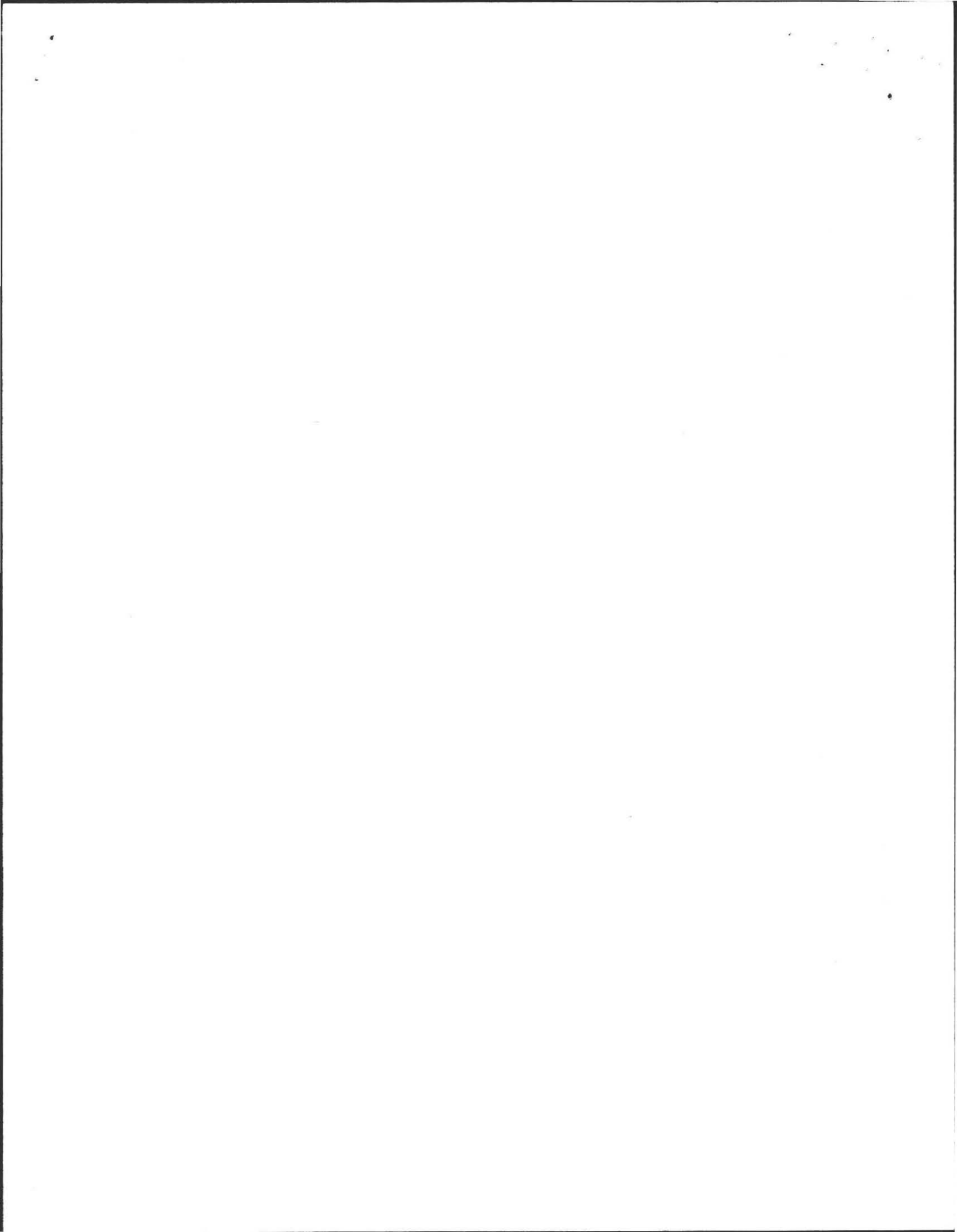
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Carroll A. Holmes  
Regional Supervisor

cc: Todd A. Frederick, Director of Forests & Parks  
Nicholas Vontzalides, DEM Counsel  
David Zierezinsky, Town of Amherst





Jay Garfield  
560 So. East St.  
Amherst, MA 01002

14 July 1994

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Town of Amherst  
Boltwood Walk  
Amherst, MA 01002

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Jay Garfield

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## Filios Enterprises, Inc.

69 Pelham Rd., Amherst, MA 01002 - (413) 256-8008 / FAX (413) 253-7475

---

July 14, 1994

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Town of Amherst  
Boltwood Walk  
Amherst, MA 01002

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Sincerely,



Frederick A. Filios, R.S.  
President

MEMORANDUM FOR THE RECORD

DATE: 10/15/54  
TO: [illegible]  
FROM: [illegible]

[illegible text]

[illegible text]

[illegible text]

[illegible text]

[illegible text]

Town of



AMHERST

Massachusetts

Bettye Anderson Frederic, Director

AMHERST HEALTH DEPARTMENT

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

July 21, 1994

To: Bettye Anderson Frederic, Health Director

From: David Zarozinski, Sanitarian

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- Location (d) Distance [Reference 15.03 (7)]

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I would support the variance request because:

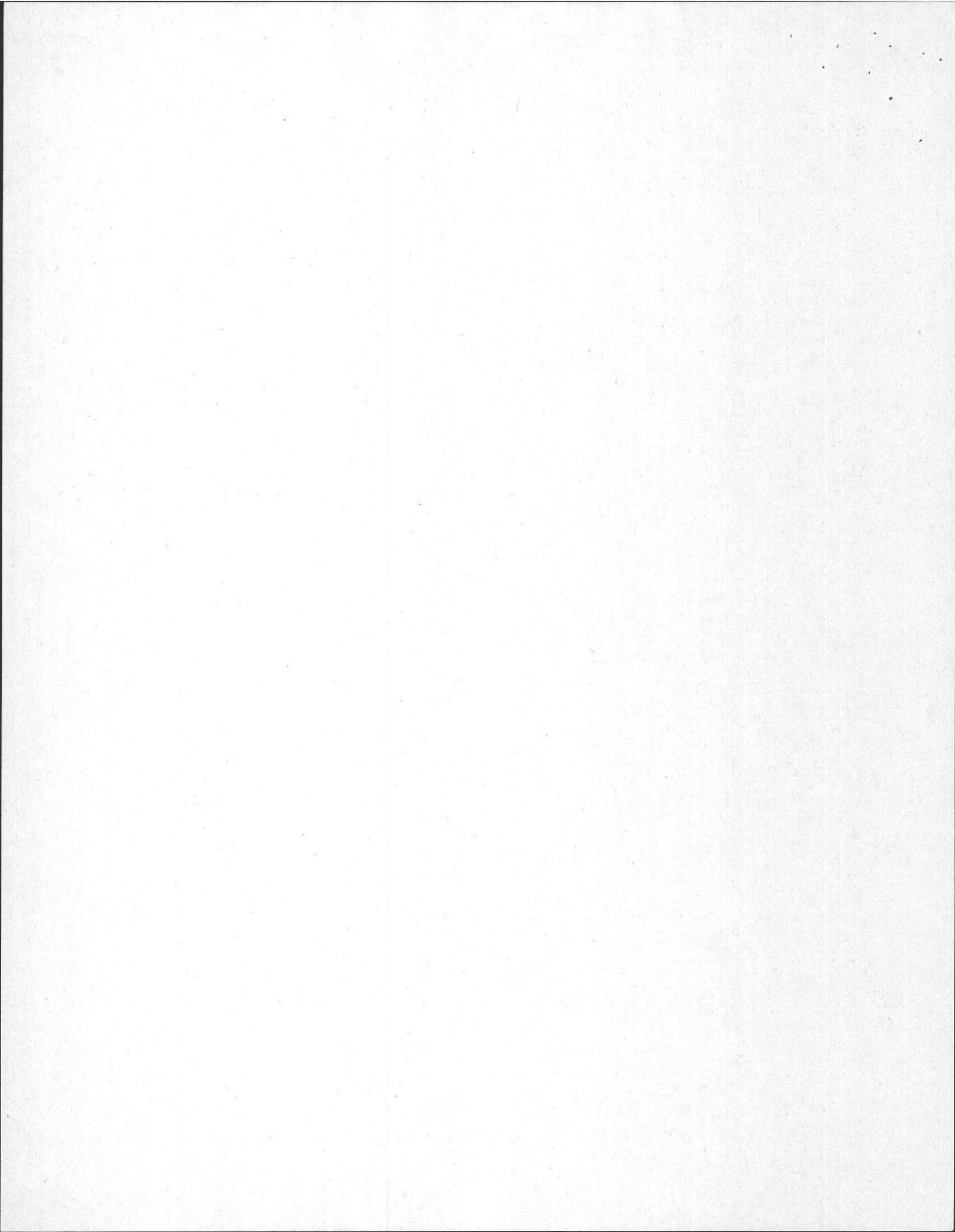
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2. The system will meet the Town requirement of 25% larger than State Code.
3. It is my opinion that it would not cause a public health nuisance.

Please Note:

I have enclosed a letter from Mr. Carroll Holmes of the Department of Environmental Management which explains why the state will not allow the Garfield-Garson family to connect to town sewer.

enc.

WP/DZ/3608 EAST



TOWN OF AMHERST

PERC TEST DATA SHEET

NOT PD  
AS OF 6/15/94

DATE 6/15/94 LOCATION 560 South East Street LOT SIZE \_\_\_\_\_

OWNER <sup>JAY</sup> GARFIELD - GARSON ADDRESS 560 South East St TELE # 253 5447

P.E./RS Fred Filios FIRM Filios Eng OBSERVED BY David Zavalak

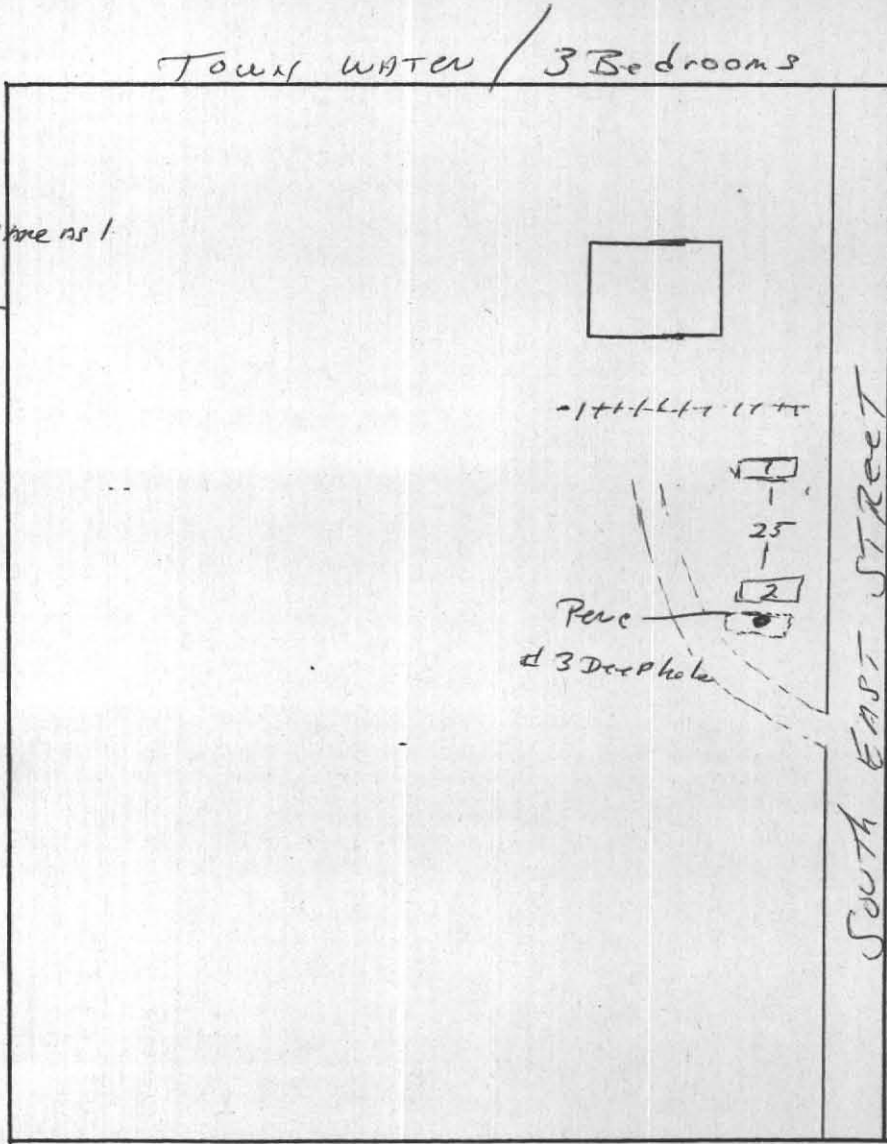
BACK HOE OPERATOR Mark's TELE \_\_\_\_\_ BENCH MARK \_\_\_\_\_

PERC DEPTH 48" PRE SOAK TIME 9:20 PERC DEPTH \_\_\_\_\_ PRE SOAK TIME \_\_\_\_\_

TEST	<u>9:33<sup>58</sup> 11</u>	<u>7 9:36<sup>17</sup></u>	_____
	<u>9:34<sup>24</sup> 10"</u>	<u>6" 9:37<sup>13</sup></u>	<u>CANT HOLD</u>
	<u>9:35<sup>07</sup> 9"</u>	_____	<u>25 GAL 13 MIN</u>
	<u>9:35<sup>42</sup> 8"</u>	_____	_____

RATE (2) RATE \_\_\_\_\_

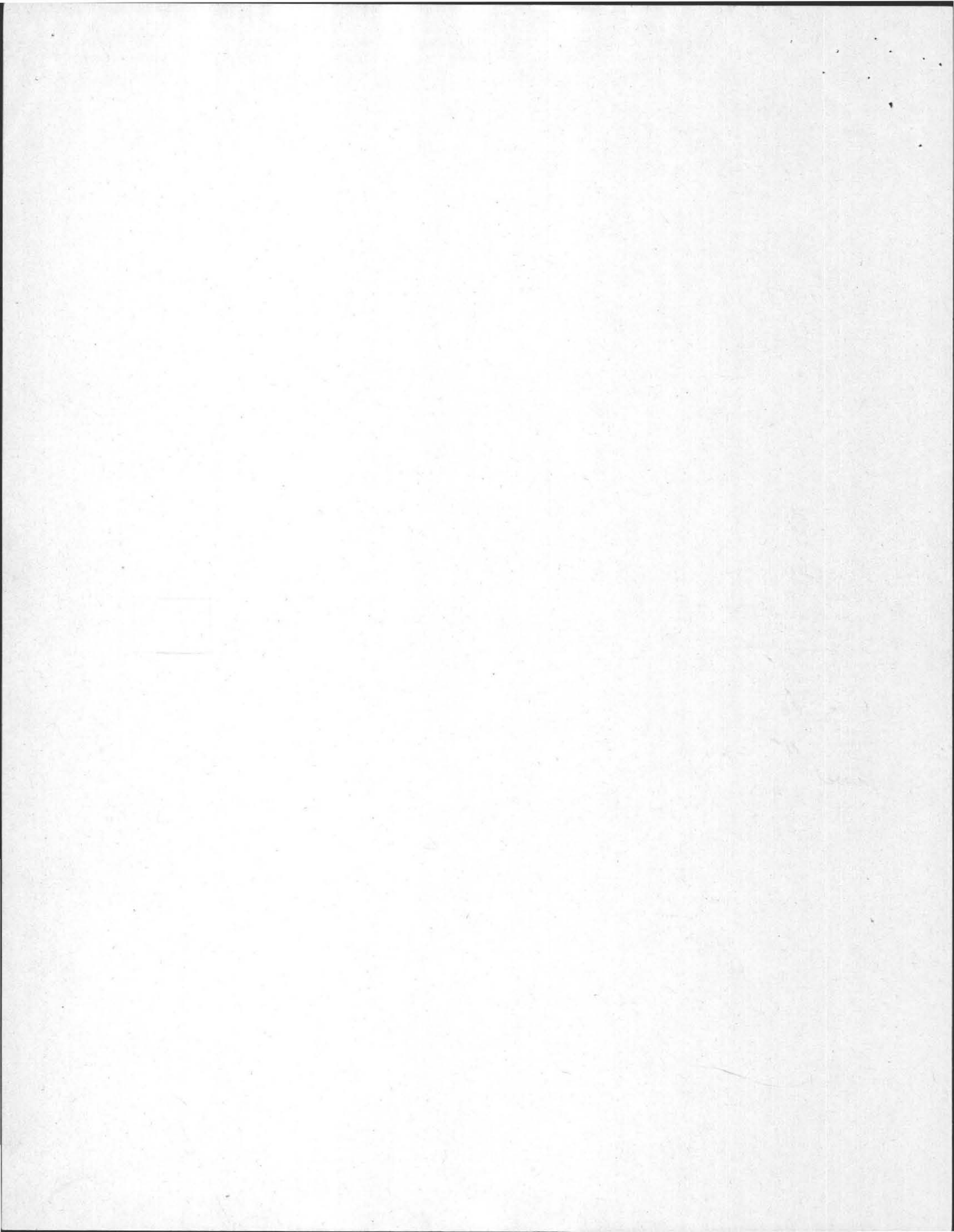
#1	#2
TOP 8	TOP 8
SUB 21	SUB 22
Co Sand + Gravel coarse w oxide 63"	Hard Silty Sandy Till 8 1/2
Silty clay 9'	coarse Sand
11"	Gravel 10'
Clay Till 96"	DRY
Coarse sub TOP 11"	TOP
Gravel SUB	SUB



#3 OBSERVED

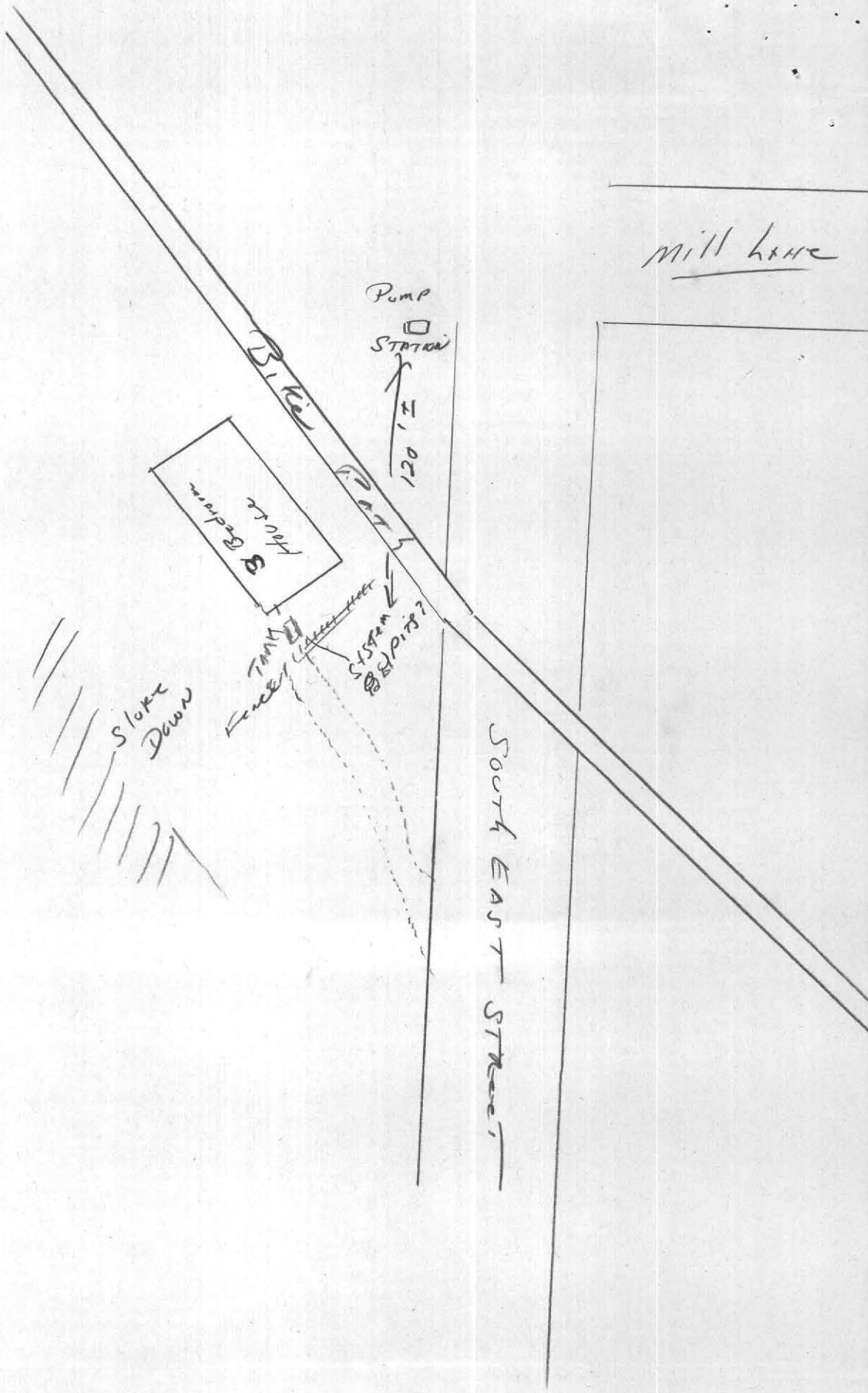
TOP
SUB 27
Sand 60"
Subst 74
Gravel oxide
Hard Pan
AT 74

EH1:PERCFORM





Mill Lane



Town of



AMHERST

Massachusetts

Bettye Anderson Frederic, Director

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

OFFICE OF THE  
HEALTH DEPARTMENT

SANITARIAN (413) 256-4030

MISCELLANEOUS INSPECTIONS

Inspection of SEPTIC SYSTEM (Failed)  
 Date: 5/10/94 Time: According to MA GARFIELD  
 Name JAY GARFIELD Business Address 560 SOUTHEAST  
 Owner Same (Street)  
 Type of Business Residential Amherst  
 (City or Town)  
W/382-5390  
253-5447

Violation(s) and remarks: Residential Property  
owned BY MR GARFIELD - he  
STATED his SYSTEM has failed -  
1) Pump station on SOUT EAST ST.  
2) he has to cross STATE Property - Bike Path  
3) Slope condition on LEFT Side of House  
4) Informed him TO CONTACT AN ENGINEER  
TO DO THE SITE WORK -  
5) wed 11, 94 - MR GARFIELD called -  
he has contacted Fred Filio's

STAE: D. E. M.  
 CARROLL Holmes  
 Po Box 484 545-5993  
 Amherst 01003

*over*

This Inspection Report is signed and certified  
Under the pains and penalties of perjury.

Signature of Inspector: \_\_\_\_\_  
Signature of Owner or Person in Charge: \_\_\_\_\_

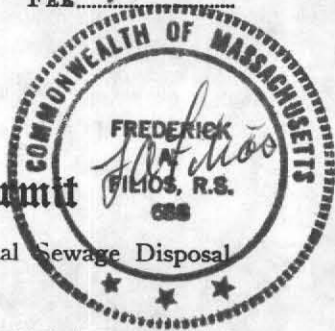
No. 94-11

7/26/94 OK 44676  
FEE 160 pd

THE COMMONWEALTH OF MASSACHUSETTS  
BOARD OF HEALTH

Town OF Amherst

Application for Disposal Works Construction Permit



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

560 S. East St. Location - Address  
Jay + Blaine Garfield or Lot No.  
Hart's Address 560 S. East St, Amherst MA 01002

Type of Building Dwelling — No. of Bedrooms 3 Expansion Attic ( ) Garbage Grinder (No)  
Other — Type of Building No. of persons Showers ( ) — Cafeteria ( )  
Other fixtures

Design Flow 55 gallons per person per day. Total daily flow 330 x 175 = 425 gallons  
Septic Tank — Liquid capacity 1000 gallons Length 8.5 Width 5.0 Diameter 18 Depth 4.0  
Disposal Trench — No. 1 Width 2' Total Length 5.2' Total leaching area 1.57 sq. ft.  
Seepage Pit No. Diameter 1.0' Depth below inlet 1.0' Total leaching area 1.56 sq. ft.

Other Distribution box (V) Dosing tank ( )  
Percolation Test Results Performed by Filios Enterprises, Inc. Date 15 June 94  
Test Pit No. 1 5.2 minutes per inch Depth of Test Pit 11' Depth to ground water 6.3'  
Test Pit No. 2 3 minutes per inch Depth of Test Pit 10' Depth to ground water 6.3'  
" 3 6.7' 7.4'

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 [Signature] Date 7/13/94  
Application Approved By [Signature] Date 7/28/94  
Application Disapproved for the following reasons:

Permit No. 94-11 Issued Date

Thank you for works etc.

THE COMMONWEALTH OF MASSACHUSETTS  
BOARD OF HEALTH  
Town OF Amherst  
Certificate of Compliance

Checked OK  
JA Filios  
8/18/94

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

at 560 S. East St. 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. 94-11 dated

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

DATE 8/18/94 Inspector [Signature]

THE COMMONWEALTH OF MASSACHUSETTS  
BOARD OF HEALTH

No. 94-11 Town OF Amherst FEE 160 pd.

Disposal Works Construction Permit

Permission is hereby granted Jay Garfield to Construct ( ) or Repair (X) an Individual Sewage Disposal System at No. 560 S. East St.

as shown on the application for Disposal Works Construction Permit No. 94-11 Dated

DATE 7/28/94 [Signature] Board of Health  
VARINER granted 7/27/94

CHECK OR FILL IN WHERE APPLICABLE

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5000 AM handwritten text, possibly a date or time.

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Handwritten text in the middle-left section.

Handwritten text in the middle-left section, below the previous block.

Handwritten text in the middle-right section.

Handwritten text in the middle-right section, including a list of items.

Handwritten text in the lower-middle section.

A small handwritten 'x' mark.

Handwritten text in the lower-right section.

Handwritten text in the bottom-middle section.

Handwritten text in the bottom-middle section.

Handwritten text in the bottom-right section.



# Deep Soil Logs

## Filios Enterprises, Inc.

69 Pelham Rd., Amherst MA 01002. (413) 256-8008

Owner: Jay Garfield  
 Location: 560 South East St  
Amherst MA

Date: 15 June, 1994  
 B. of H. Dave Zarozinski

H1	
11'	0-8" Topsoil
	8"-21" Subsoil
	21"-63" Coarse sand and gravel
	63"-108" Hard sandy + silty gravel till
	108"-114" silty clay till
114"-132" coarse sand and gravel	

Ground Water 63" Oxides

H2	
10'	0-8" Topsoil
	8"-22" Subsoil
	22"-62" coarse sand and gravel
	62"-102" Hard sandy and silty till with gravel
	102"-126" Coarse sand and gravel

Ground Water 62" Oxides

H3	
6.7'	0-27" Topsoil and Subsoil
	27"-66" Sand
	66"-74" sand and gravel
	74"-80" Hard Sandy + Silty Till

Ground Water Oxides @ 74"

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Ground Water \_\_\_\_\_

Percolation Rate at: 48"  
< 2 min./inch

13 minutes for 25 gal.

