

SHAYS ST. Lot 22
(Pending)

No.

FEE

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

Town OF Amherst, MA.

Application for Disposal Works Construction Permit

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

Shays Street #22
Ruth & George Wade 156 ALPINE DRIVE, AMHERST, MA
Larry LaClair Rattlesnake Gutter Rd, Leverett, MA

Type of Building Dwelling — No. of Bedrooms 4 Expansion Attic () Garbage Grinder (X)
Other — Type of Building FRAME No. of persons MAX. 8 Showers () — Cafeteria ()
Other fixtures

Design Flow 5.5 gallons per person per day Total daily flow 440 gallons.
Septic Tank — Liquid capacity 1500 gallons Length 10' Width 6' Diameter — Depth 5'
Disposal French — No. Field Width 20' Total Length 60' Total leaching area 1200 sq. ft.
Seepage Pit No. Diameter — Depth below inlet — Total leaching area — sq. ft.

Other Distribution box (X) Dosing tank
Percolation Test Results Performed by John A. Brickett R.S. Date 1/15/86
Test Pit No. 1 3 minutes per inch Depth of Test Pit 60" Depth to ground water NONE
Test Pit No. 2 2 minutes per inch Depth of Test Pit 96" Depth to ground water NONE

Description of Soil See Soil Logs T.P. #3 & 4

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 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.

Ruth K. Wade Signed [Signature] Date 1/18/86

Application Approved By

Application Disapproved for the following reasons: DOES NOT COMPLY WITH
PROVISIONS OF 310.0MR 15.02 (1) AND (2)

Permit No.

Issued

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

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.

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

DATE

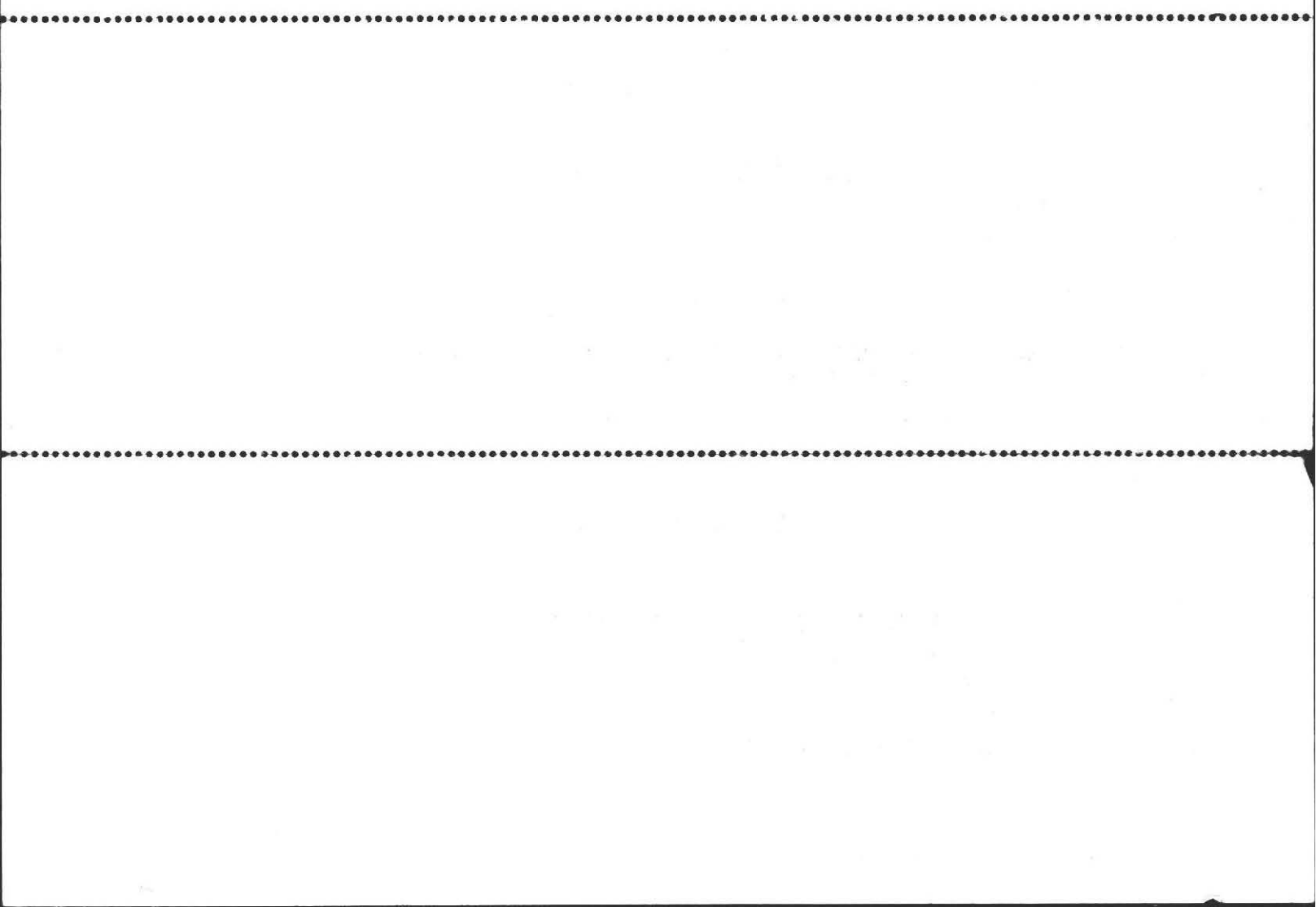
Board of Health

Handwritten text at the top of the page, possibly a title or header.

Handwritten text in the upper middle section, appearing to be a list or set of instructions.

Handwritten text in the middle section, continuing the list or instructions.

Handwritten text in the lower middle section, possibly a signature or date.



19 Summer St.
Greenfield, Mass.

January 20, 1986

Mr. Howard Kobin
51 Long Plain Road
Leverett, Mass.

Re: Shays St., Amherst, Mass. 01002

Dear Mr. Kobin:

This will certify that on January 15, 1986 I conducted deep soil observation and percolation tests on a parcel of land located on the north side of Shays St., Amherst, Mass.

Charles Drake, R.S. was present as an observer for the Town of Amherst.

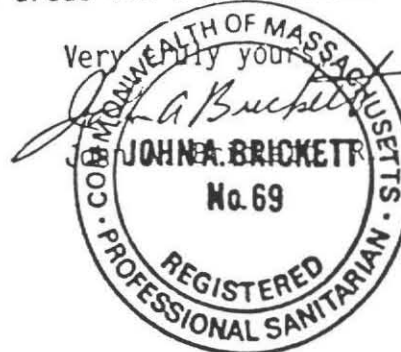
Copies of soil logs are enclosed.

Test Pits #1 and #2 were located 400' north of Shays St. and 250' east of the west property line.

Test Pits #3 and #4 were located 450' north of Shays St. and 300' east of the west property line.

The percolation rate for both areas was 3 mins./inch.

Very truly yours,



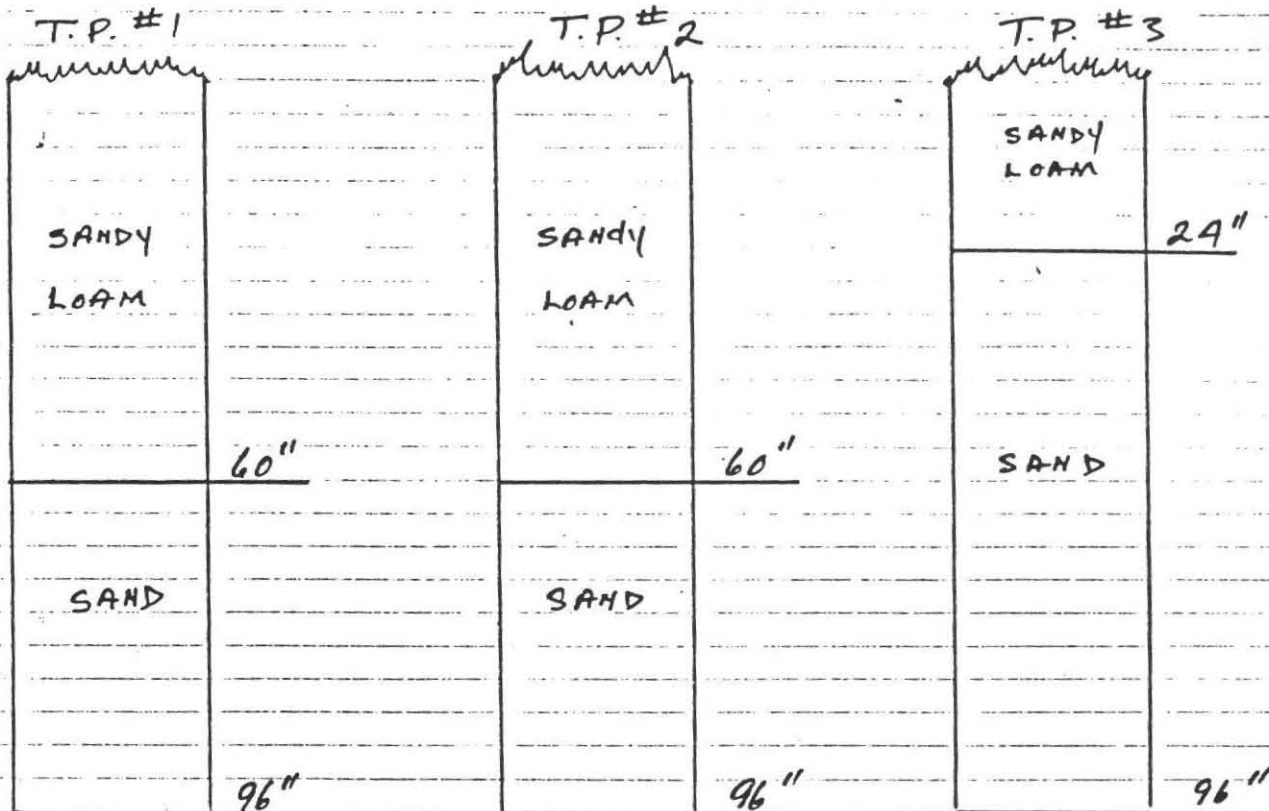
JAB/s

OBSERVATION PITS

REQUESTED By: HOWARD ROBIN - 51 LONG PLAIN Rd LEBERON, MA.

LOCATION: NORTH SIDE SLAYS ST, AMHERST, MA.

DATE: 1/15/86 OBSERVER: C. DRAKE, R.S.



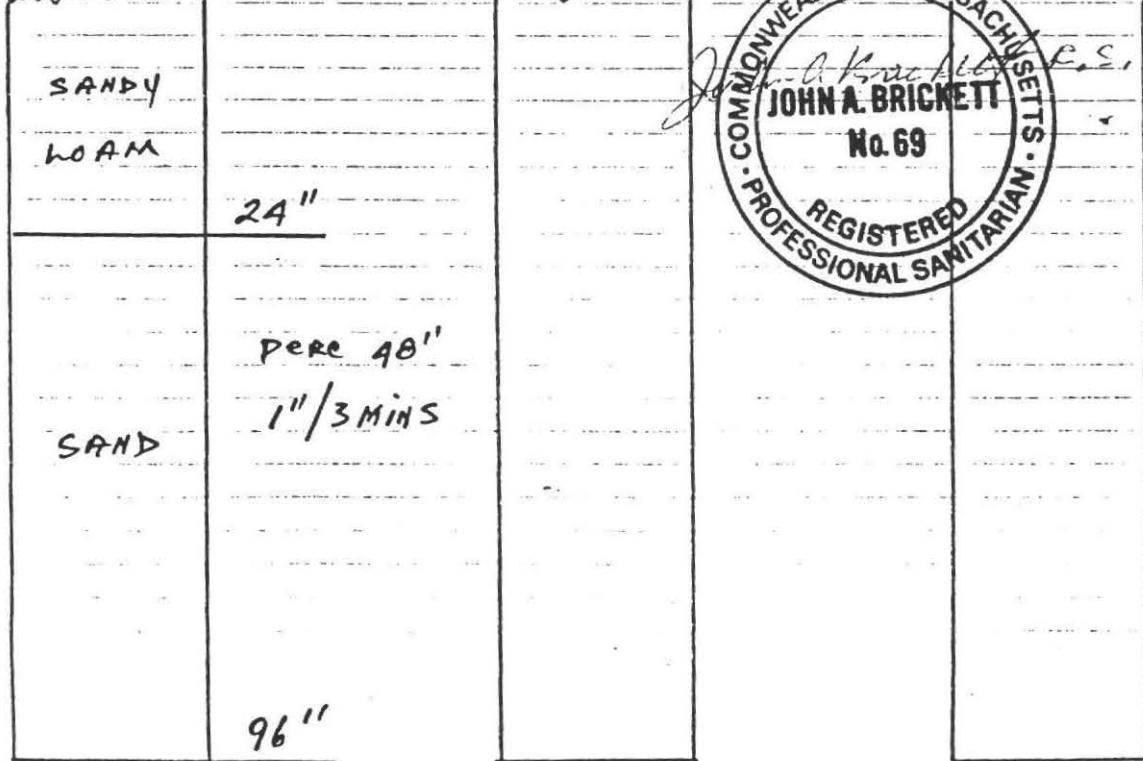
NO WATER

NO WATER.

NO WATER

PERC @ 60"
1" / 3 MINS

T.P. #4

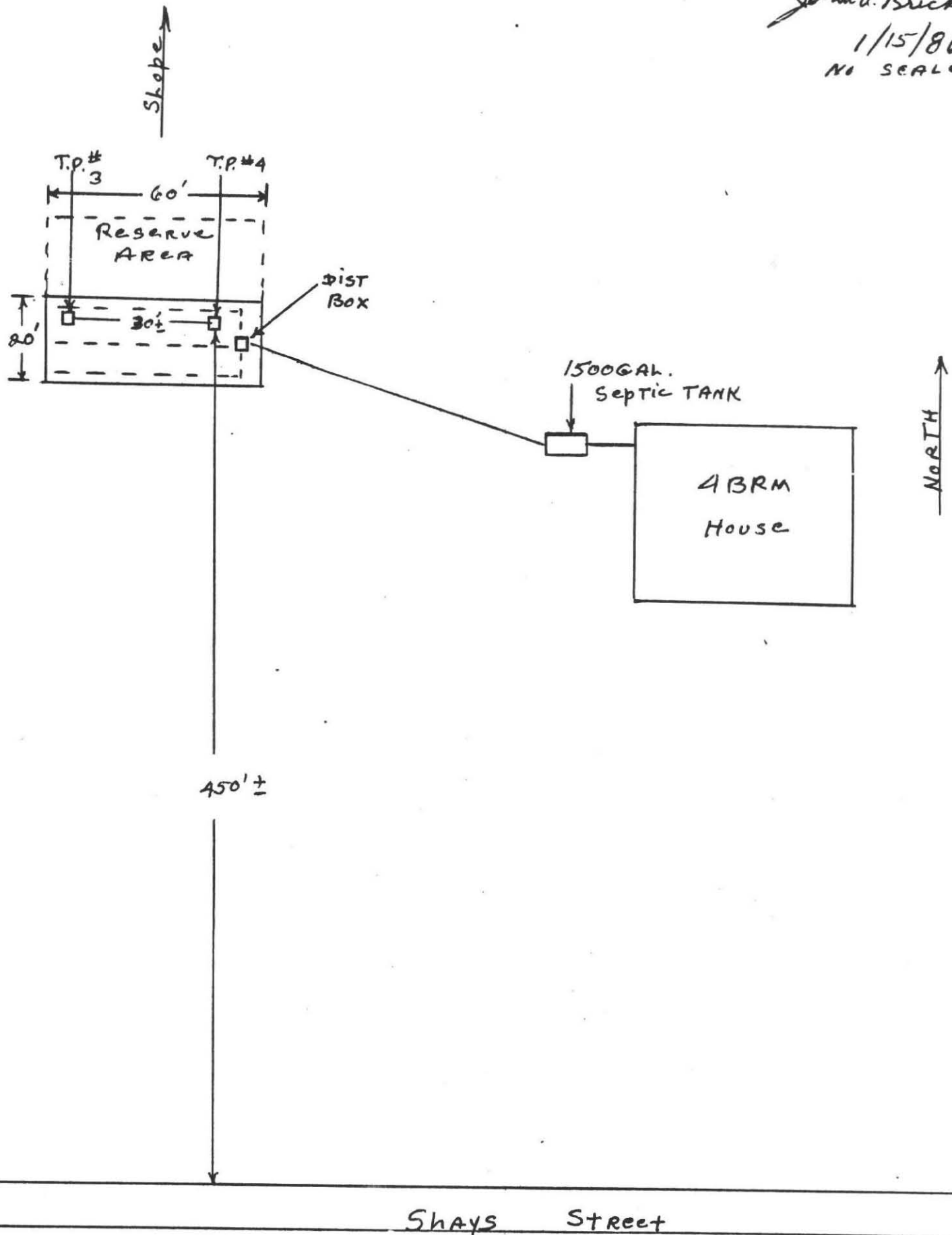


NO WATER



JOHN A. BRICKETT, R.S.
19 SUMMER STREET
GREENFIELD, MASS. 01301

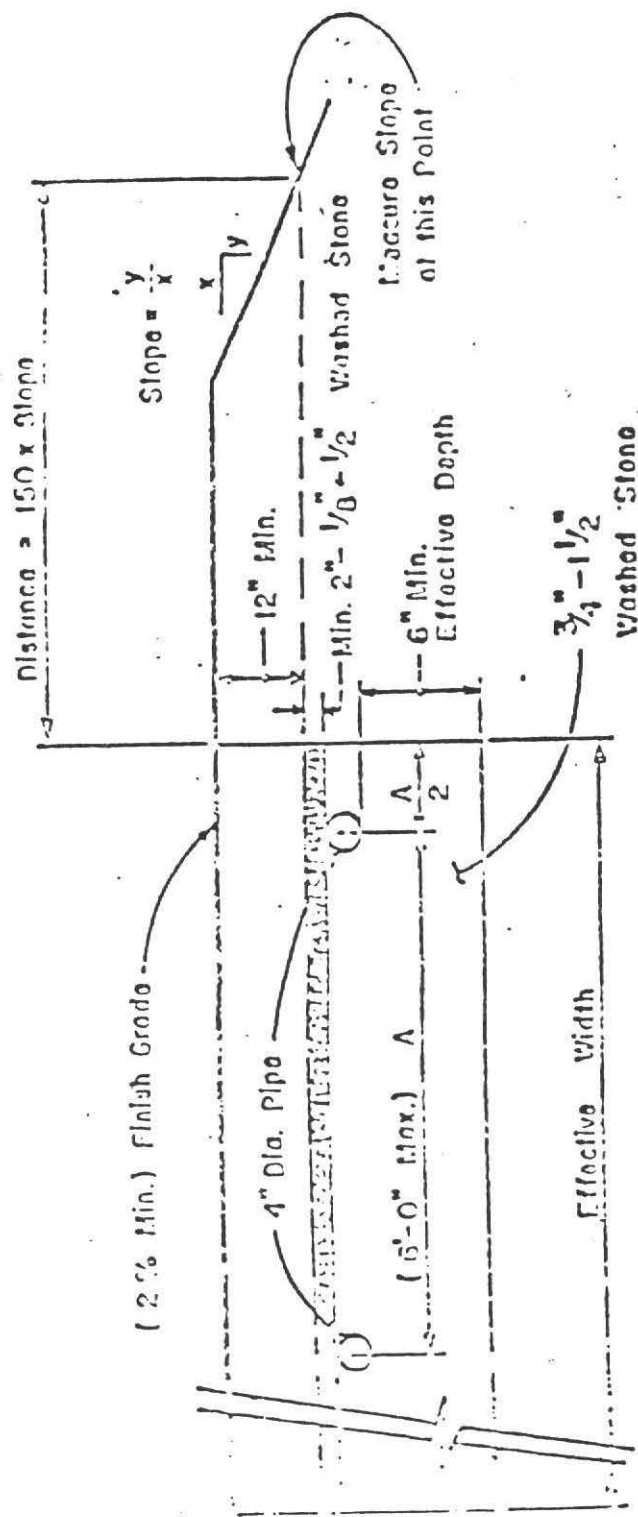
John A. Brickett
1/15/86
NO SCALE



continued

FIGURE 1.

LEACHING FIELD (ILLUSTRATION C)



LEACHING FIELDS

No Scale

Illustration C

W. S. Pickering & Son, Inc.

===== PLUMBING, HEATING & APPLIANCES =====

835 MAIN STREET • AMHERST, MASSACHUSETTS
Telephone: (413) 253-7300 01002

April 15, 1986

Ruth Wade
156 Alpine Dr.
Amherst, MA 01002

RE: Shays St. - Sewage ejector system

PRELIMINARY ESTIMATE

2 - WHRH10 21C Meyers pumps
1 - CWH10 21D panel
4 - FLCW25 floats
1 - B20-30 36D basin & cover
2 - 2" Check Valves
2 - 2" Ball Valves
500ft 2" \$3408 pipe
Misc.fittings, clamps

Labor (installation of basin, pumps, and piping-10ft beyond house)

Excavating and installation of piping to street not included in this estimate and are to be done by others.

\$7000.00

L & F CONSTRUCTION CO.
15 Rattlesnake Gutter Rd.
LEVERETT, MASSACHUSETTS 01054

JOB ESTIMATE

PHONE

DATE

548.9097
(413) 549-1897

4/7/82

JOB NAME/LOCATION

TO Wade
156 Alpine Drive
Amherst, MA. 01002

Shay ST.
Amherst MA.

JOB DESCRIPTION:

Excavating for Driveway + new home

Driveway 500 FT. 10.	5000.00
Driveway at Street Black Top	350.00
Clear 10m + Dig Celler hole	1600.00
Drains + back fill	1100.00
8/16 + water Dig + Fill	1800.00
finish Grade	600.00
Septic	2200.00
Trench for sewer same price.	12,650.00

#7300.00

Driveway with Black Top at Street

Payment	1/2 went start	5350.00
	1/2 went finish	2675.00
		2675.00

Excavating for new home

Payment	1/2 went start	3650
	1/2 went finish	3650.

THIS ESTIMATE IS FOR COMPLETING THE JOB AS DESCRIBED ABOVE. IT IS BASED ON OUR EVALUATION AND DOES NOT INCLUDE MATERIAL PRICE INCREASES OR ADDITIONAL LABOR AND MATERIALS WHICH MAY BE REQUIRED SHOULD UNFORESEEN PROBLEMS OR ADVERSE WEATHER CONDITIONS ARISE AFTER THE WORK HAS STARTED.

ESTIMATED
JOB COST

12,650.00

ESTIMATED
BY

Harold M. Kellum

Justification for Granting a Variance for an Individual Sewage Disposal System at 160 Shays Street

I. It would constitute a manifest injustice to require a tie in to the town sewer:

A. Price Difference:

1. Individual septic system - \$2,200 (L & F Const. Co)
2. Ejector Pump System - \$7000 (Plumbing-Pickering)
1800 (Trench-L&F Const.)
500 (Sewer Connection Fee)
? (Install Pipe)
TOTAL \$9300 plus pipe installation

B. Inferiority of Ejector Pump System:

1. Professionals have advised against pump system
 - a. Plumbers - Pickering, Denno, Shipman
 - b. Engineers - Tighe & Bond, Almer Huntley
 - c. Builder - Jim West
 - d. Excavator - Larry LaClaire
2. Neighbors (Heatherstone Road) have had terrible experience with pump systems
 - a. Letters from Schmitt & Nober
 - b. Fails during power outages, pump malfunction, heavy rains
 - c. Failures constitute a health hazard and decrease house value

II. Individual septic system would provide adequate environmental protection

A. This is an area of very low population density

1. 13.5 acre parcel (Trotman-Collins-Wade) could have at most two septic systems (Collins & Wade)
2. Area bounded on three sides by undeveloped land. Two sides (N & E) bounded by Amherst College land which is unlikely to be developed.

B. Presents no threat to water supply

1. According to James Smith, town engineer, this land is not on the aquifer or the recharge area for public water supply

Justification for Granting a Variance for an Individual Sewage Disposal System at 160 Shays Street

I. It would constitute a manifest injustice to require a tie in to the town sewer:

A. Price Difference:

1. Individual septic system - \$2,200 (L & F Const. Co)
2. Ejector Pump System - \$7000 (Plumbing-Pickering)
1800 (Trench-L&F Const.)
500 (Sewer Connection Fee)
? (Install Pipe)
TOTAL \$9300 plus pipe installation

B. Inferiority of Ejector Pump System:

1. Professionals have advised against pump system
 - a. Plumbers - Pickering, Denno, Shipman
 - b. Engineers - Tighe & Bond, Almer Huntley
 - c. Builder - Jim West
 - d. Excavator - Larry LaClaire
2. Neighbors (Heatherstone Road) have had terrible experience with pump systems
 - a. Letters from Schmitt & Nober
 - b. Fails during power outages, pump malfunction, heavy rains
 - c. Failures constitute a health hazard and decrease house value

II. Individual septic system would provide adequate environmental protection

A. This is an area of very low population density

1. 13.5 acre parcel (Trotman-Collins-Wade) could have at most two septic systems (Collins & Wade)
2. Area bounded on three sides by undeveloped land. Two sides (N & E) bounded by Amherst College land which is unlikely to be developed.

B. Presents no threat to water supply

1. According to James Smith, town engineer, this land is not on the aquifer or the recharge area for public water supply

