



95-31

#278

FEE 160.00

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:

278 MIDDLE ST Location - Address LOT #2 or Lot No.

Owner Address

Installer Address

Type of Building Dwelling - No. of Bedrooms 4 Expansion Attic () Garbage Grinder (N) Size Lot 30254 Sq. feet

Other - Type of Building No. of persons Showers () - Cafeteria () Other fixtures

Design Flow 35 gallons per person per day. Total daily flow 441 gallons.

Septic Tank - Liquid capacity 1000 gallons Length 102" Width 8" Diameter Depth 55"

Disposal Trench - No. 1 Width 14" Total Length 93" Total leaching area 630 sq. ft.

Seepage Pit No. Diameter Depth below inlet Total leaching area sq. ft.

Other Distribution box () Dosing tank ()

Percolation Test Results Performed by A. WEISS, R.O. SOLEVAL Date 12/14/95

Test Pit No. 1 5 minutes per inch Depth of Test Pit 10' Depth to ground water 2' (oxides)

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

Description of Soil MED TO COARSE SAND AND GRAVEL OVER FINE CLAY SAND

Nature of Repairs or Alterations - Answer when applicable NEW LEACH FIELD. MOVE WATER

Agreement: BOTH INVERTS FROM FOUNDATION CONNECTED.

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 David Jozanski for G. P. Dept 12/14/95

Application Approved By

Application Disapproved for the following reasons:

Permit No. 95-31 Issued 12/14/95

THE COMMONWEALTH OF MASSACHUSETTS
BOARD OF HEALTH

Town OF Amherst

Certificate of Compliance

ABO 5/28/96 final

THIS IS TO CERTIFY, That the Individual Sewage Disposal System constructed () or Repaired () by 278 Middle St

at 278 Middle St

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. 95-31 dated

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

DATE 5/28/96 Inspector Roger Borsall

THE COMMONWEALTH OF MASSACHUSETTS
BOARD OF HEALTH

Town OF Amherst

No. 95-31 FEE 160.00

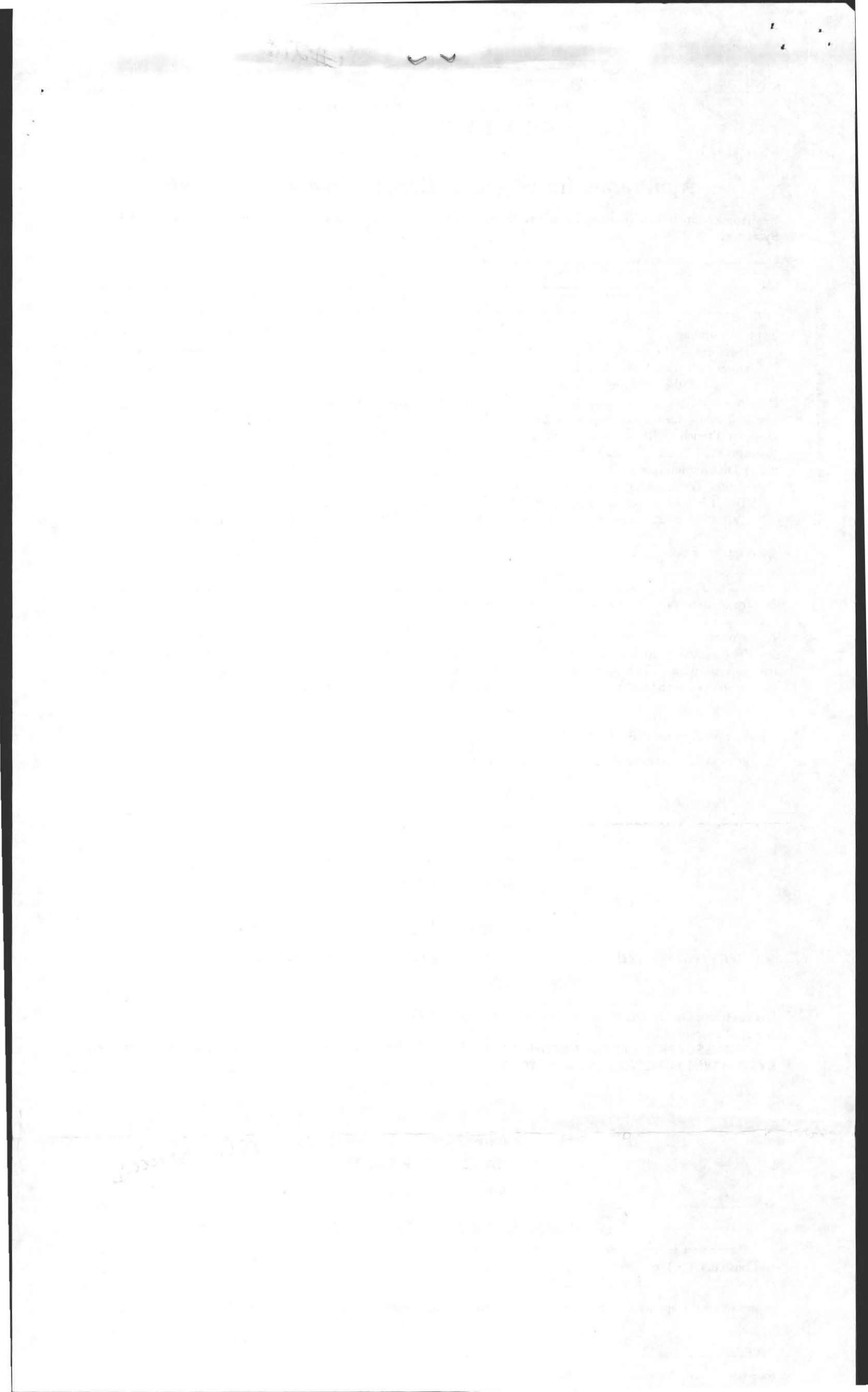
Disposal Works Construction Permit

Permission is hereby granted to Construct (X) or Repair () an Individual Sewage Disposal System at No.

as shown on the application for Disposal Works Construction Permit No. 95-31 Dated 12/14/95

DATE 12/14/95 Board of Health

CHECK OR FILL IN WHERE APPLICABLE





**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

December 11th, 1995

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

RE: Septic System Repair & Local Upgrade Approval
Kohler Residence, 278 Middle St., Amherst, Ma.

Dear Mr. Zarozinski:

A Local Upgrade Approval from Title V (310 CMR 15.211) is requested for the repair of the system at the above mentioned property. The following variance is noted:

- lack of space for 20' foundation setback due to nearby slopes and house proximity. The provided setback is 14' versus the conforming 20'.
- In addition, a variance to the Town's 25% overdesign requirement is requested to be provided.

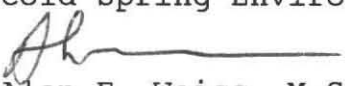
It is our opinion that given all the possible scenarios for a new disposal system, and due to slope and spatial constraints, that this plan best meets the intent on the Sanitary Code 310 CMR 15.00 and that strict enforcement of the state and local bylaw would be manifestly unjust (310 CMR 15.410) and unnecessary. Other portions of the property considered would involve worse slope setback issues and/or property line infringements. It is noted in 310 CMR 15.405b that the local approving authority may approve this variation. However please note that a copy of this plan and your approval in writing must be submitted to Mr. Galonka at the Massachusetts DEP at 436 Dwight St., in Springfield, Ma. 01103 prior to the start of installation (310 CMR 15.403s4).

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: Ms. Mary Kohler .

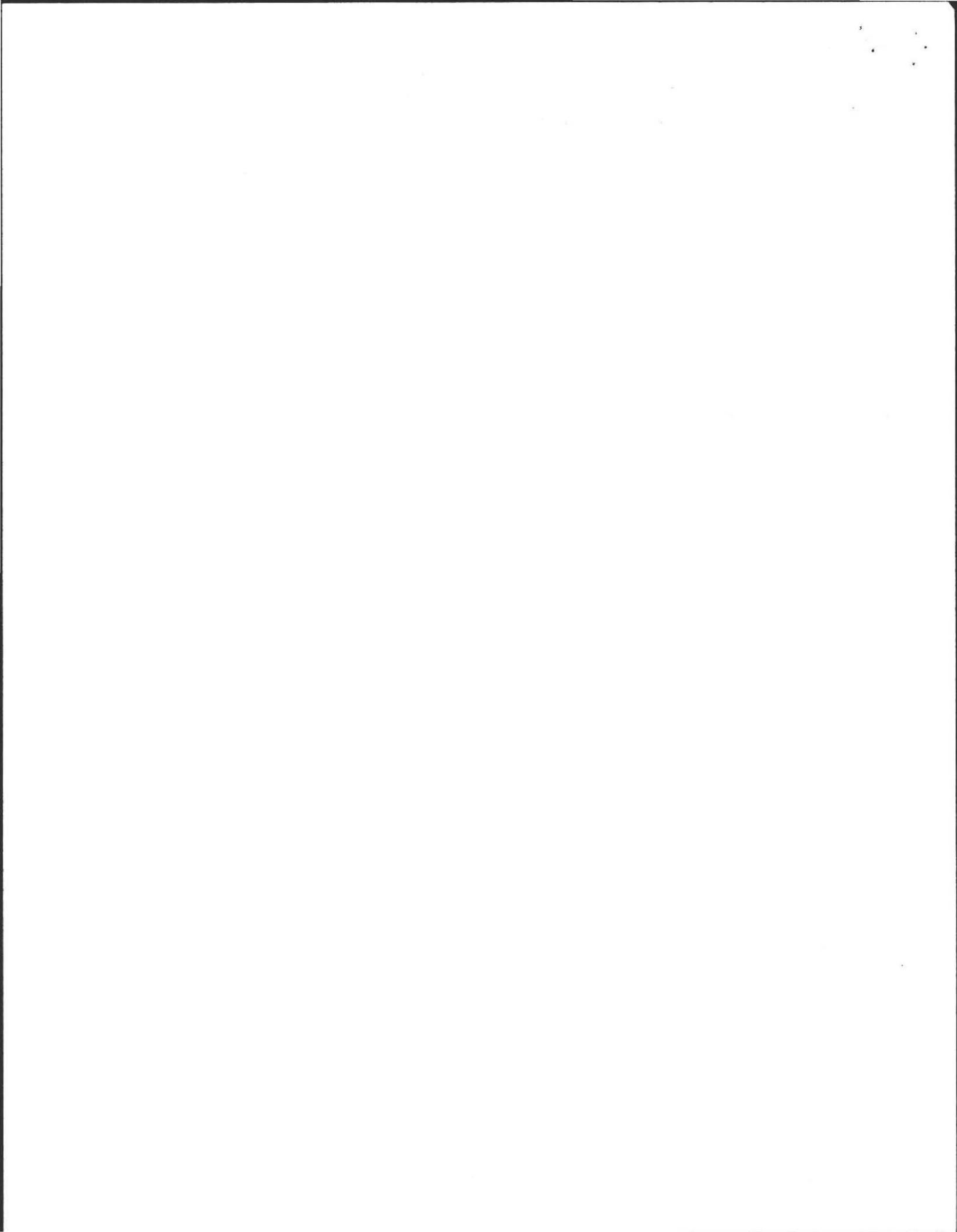
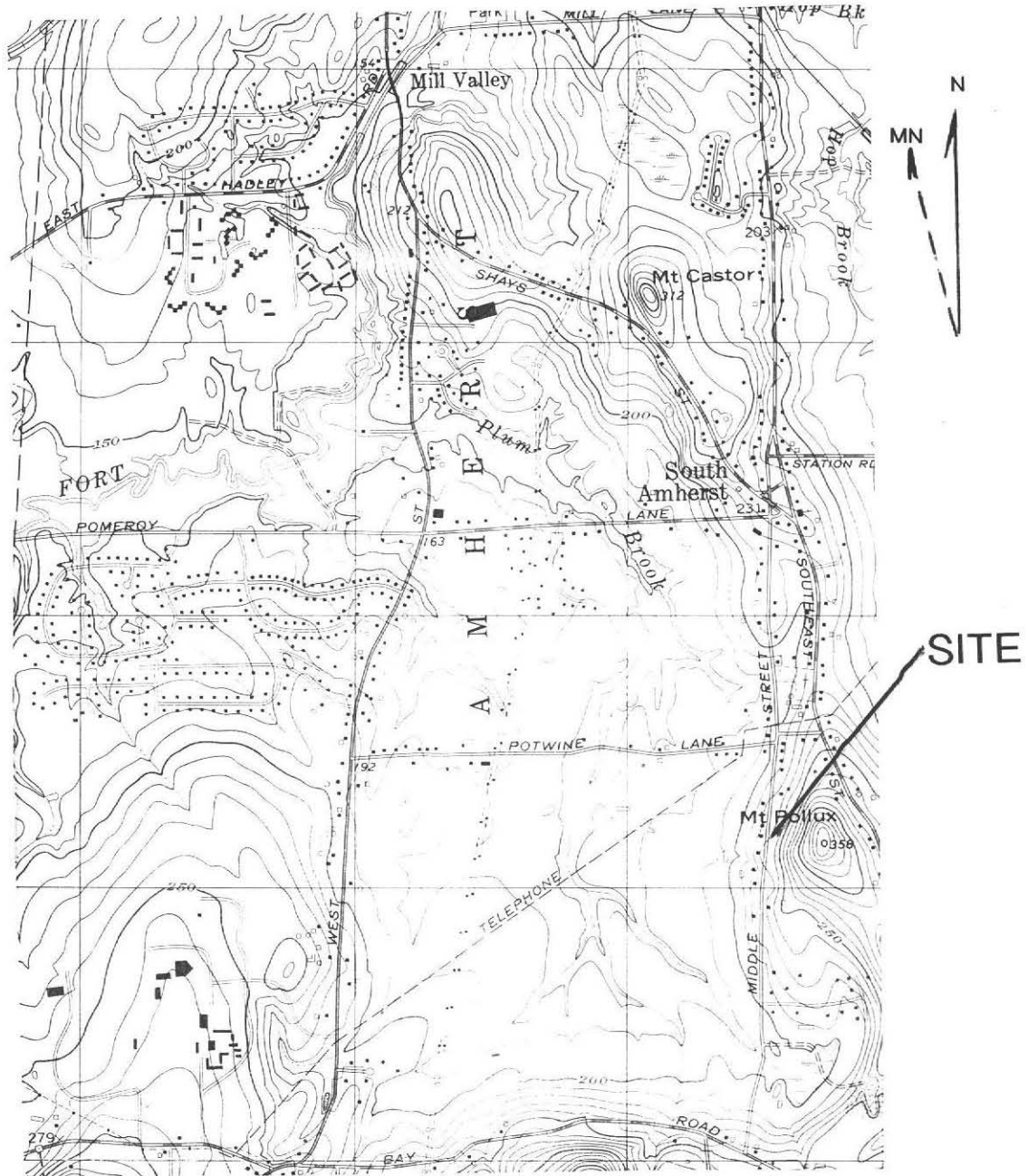


FIGURE 1: SITE LOCUS

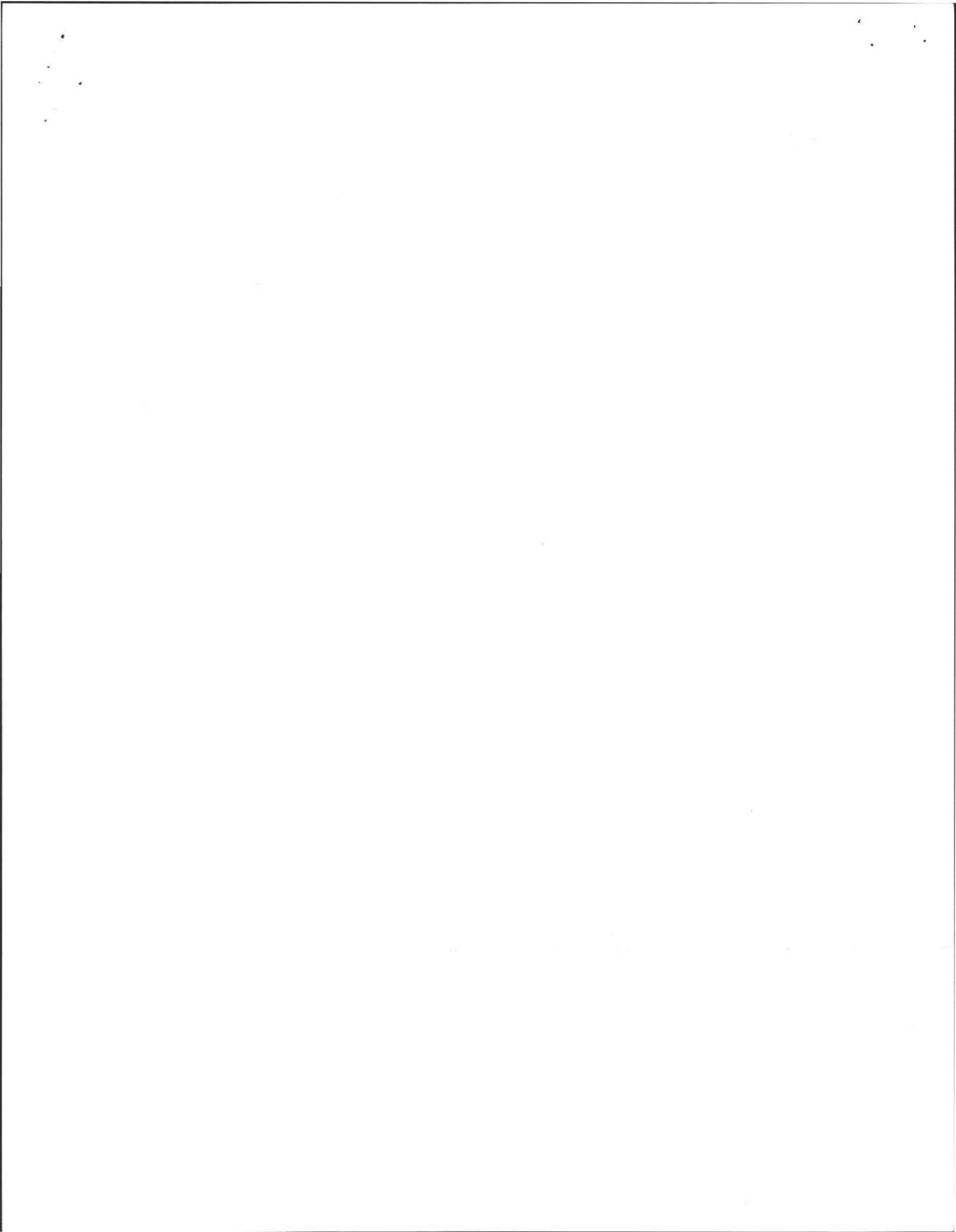


SCALE: 1"=2,083 FT.

USGS 7.5 MIN. QUAD.

0 FEET 2000

COLD SPRING ENVIRONMENTAL INC.



Town of



AMHERST Massachusetts

TOWN HALL
4 BOLTWOOD AVENUE
AMHERST, MA. 01002-2351

INSPECTION SERVICES DEPARTMENT
Phone (413) 256-4030

December 15, 1995

To: Amherst Board of Members
From: David Zarozinski, Sanitarian *DZ*
Re: Local upgrade approval from Title V

1. Local upgrade approval from Title V (310 CMR 15.211). Lack of space for twenty feet (20') foundation setback due to slopes and house proximity.
2. Variance request to The Town's 25% overdesign (copy enclosed).

On December 7, 1995 a percolation test was conducted at 278 Middle Street, Amherst, Ma for Mrs. Mary Kohler by Mr Alan Weiss of Cold Spring Environmental Consultants, Inc and witnessed by Mr. David Zarozinski, Sanitarian for the Amherst Health Department.

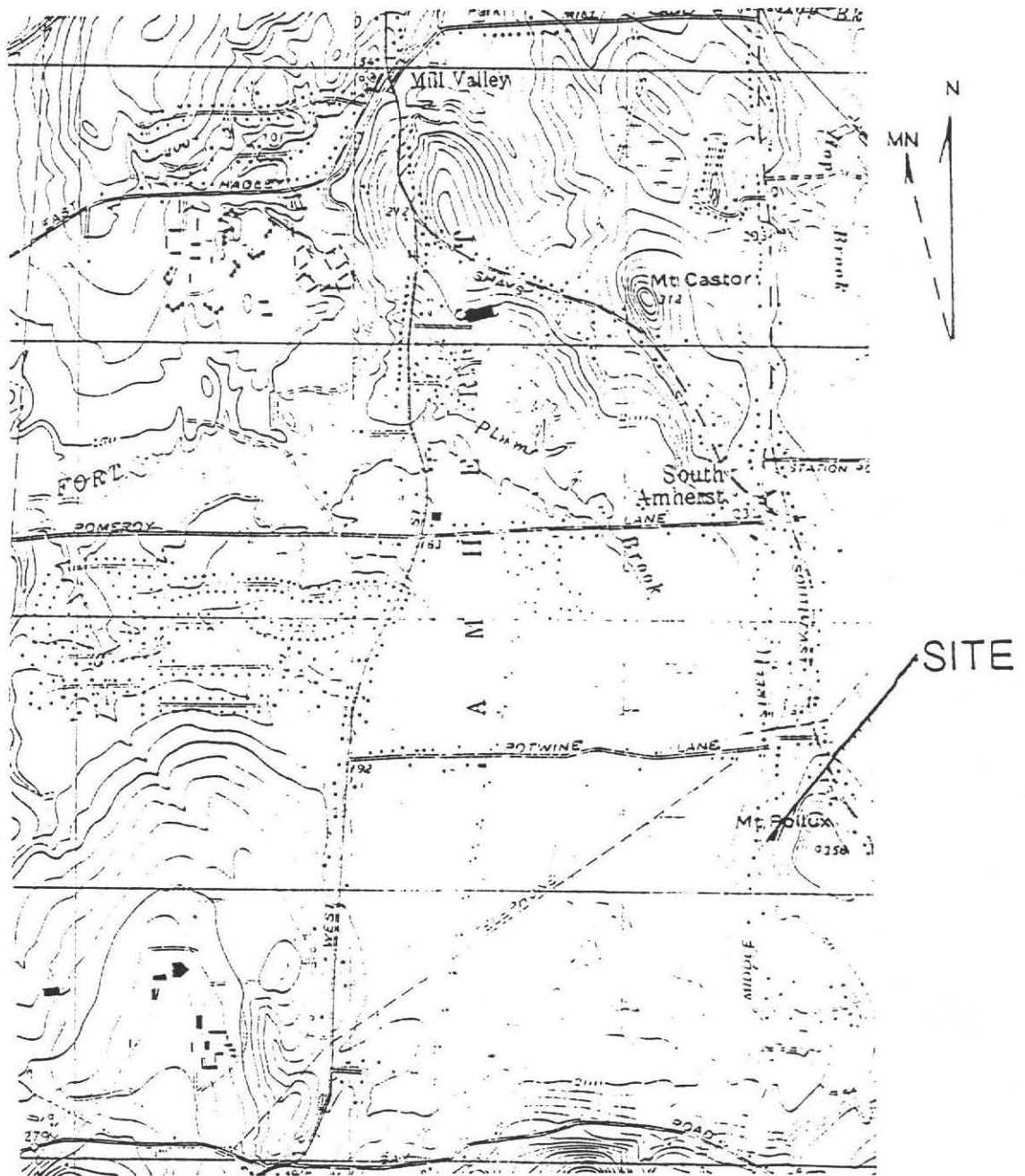
The percolation rate was five (5) minutes per inch with oxide stains at 96 inches. The soils were a fine loamy sand to medium coarse sand and gravel.

I would grant these variance requests for the following reasons:

1. The new system will be installed downhill from the foundation wall and with the other slopes and spatial constraints this plan makes the best land use of the area.
2. Town water is available.
3. The addition of the Town's Regulation of 25% larger would do unjust manifestation to the home owner. This plan does meet today's Title V requirements.

WP/DZ/BOH

FIGURE 1: SITE LOCUS



SCALE: 1"=2,083 FT.

USGS 7.5 MIN. QUAD.

0 FEET 2000

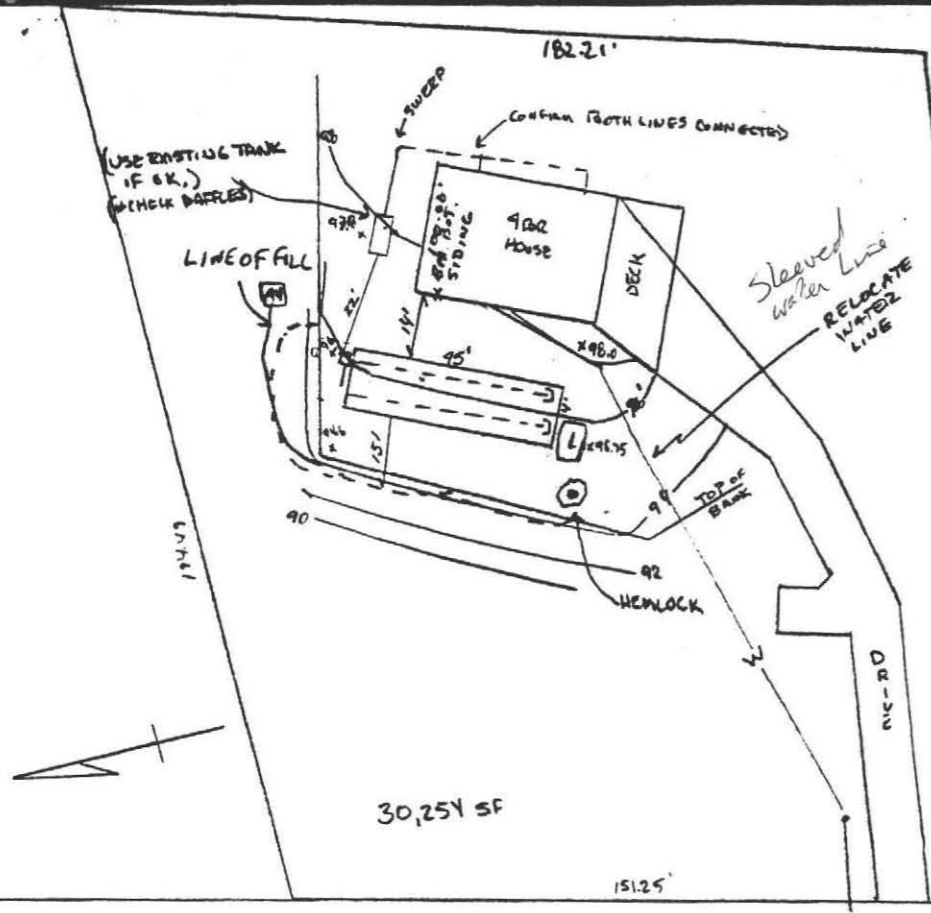
COLD SPRING ENVIRONMENTAL INC.

PLOT PLAN

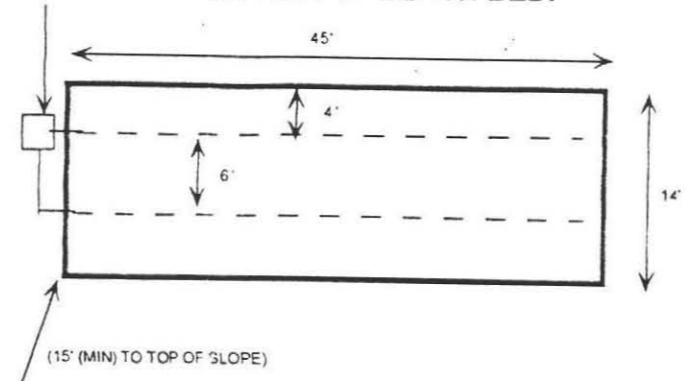
1"=40'

93 - PROPOSED CONTOURS

94 - EXISTING CONTOURS



LAYOUT OF LEACH BED.



(REMOVE ANY EXISTING LEACH BED ONLY AS NOT TO INTERFERE WITH NEW SYSTEM.)

TEST PIT LOGS

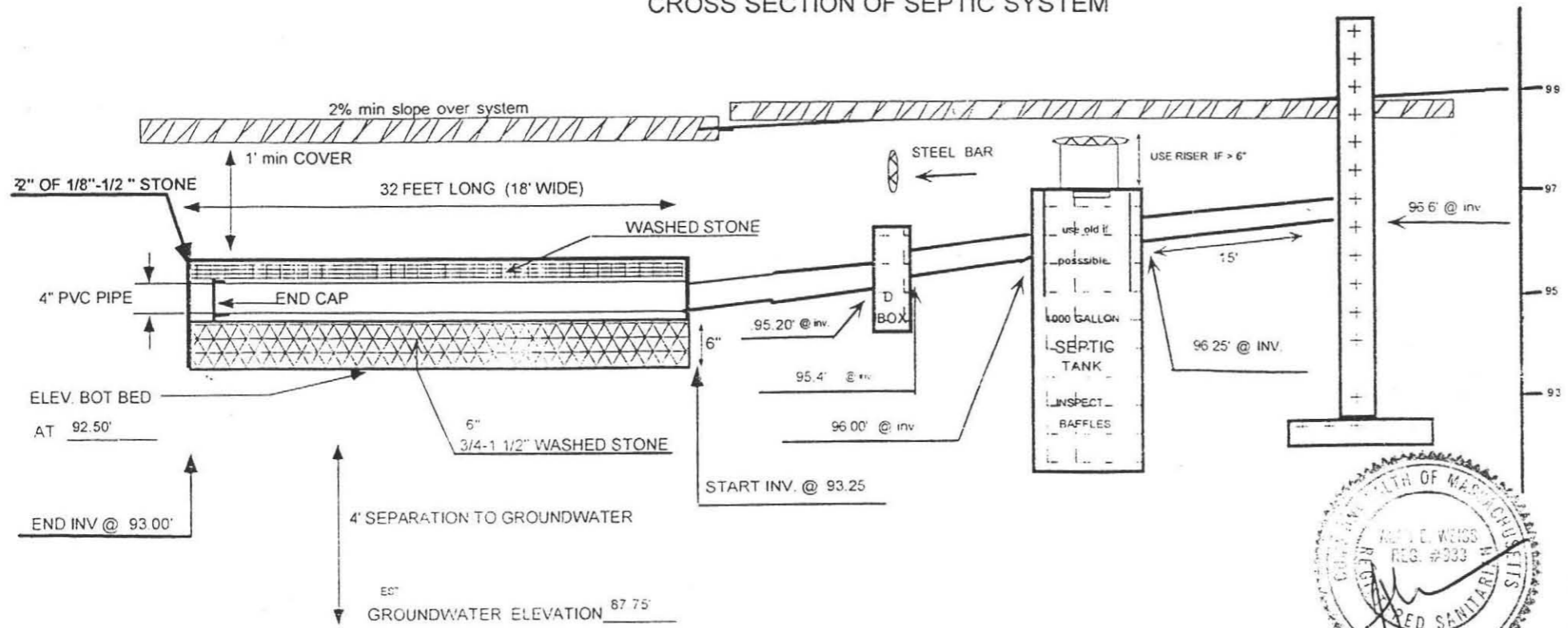
TP-1 EL. 95.75'		TP-2 EL. N.A'
0-4"	BRN TOPSOIL (FINE LOAMY SAND-10YR 3/3)	A
NOT OBS.	SUBSOIL (YR)	B1
4"-54"	MEDIUM TO COARSE SAND AND GRAVEL CBBBLES. (10YR6/6)	C1
54"--120"	FINE SAND, LITTLE SILT, LOAMY SAND (10YR5/8)	C2
96"	OXIDES	N.A." EFF H2O ELEV. 67.75'
NA.	STATIC H2O	N.A."
NA.	BEDROCK	NA

DESIGN NOTES:

- 4 BR: x 110 gal/day x 440gal./day
- Use ONE Leach FIELD 14' wide x 45' LONG W/6" stone below invert.
Bot. Area: 14' wide x 45' long = 630sf.
Side Area: N.A.
Tot. Area: 630 sf x 0.70 gal.sf. = 441 gal./day.
- NO GARBAGE DISPOSAL ALLOWED
- ALL D. BOX OUTLET PIPES LEVEL FOR 2'.
- no WELLS NOTED WITHIN 150 FEET OF SYSTEM (TOWN WATER).
- NO POSSIBLE WETLANDS WITHIN 100 FEET OF SYSTEM NOTED.
- PRE & POST CONTOURS NOTED AS NECESSARY.
- RESERVE AREA NOT REQUIRED.
- SLOPE CALCS NOT APPLIC (SEE CONTOURS) 3:1 SLOPE MET.
- 2% MIN. SLOPE COVER SAS.

PERC TEST BY A. WEISS, R.S. SOIL EVAL.. ON 12/7/95, D. ZAROZINSKI, AGENT.
PERC1 AT 45" DEPTH: PERC2 (NA) = 5 MIN./IN.

CROSS SECTION OF SEPTIC SYSTEM



**MARY E. KOHLER 278 MIDDLE ST.,
AMHERST, MA.**

SCALE:	APPROVED BY <i>[Signature]</i>	DRAWN BY AW
DATE: 12/11/95		
COLD SPRING ENVIRONMENTAL, INC.		DRAWING NUMBER 95-610-1207

