

4 Elf Hill Rd.



No. 00-22
Revised

COMMONWEALTH OF MASSACHUSETTS

Board of Health, Amherst, MA.

APPLICATION FOR DISPOSAL SYSTEM CONSTRUCTION PERMIT



Application for a Permit to Construct (Repair () Upgrade () Abandon () - Complete System Individual Components

Location <u>LOT 210 4 ELF Hill Rd</u>	Owner's Name <u>Charlie Scherpan</u>
Map/Parcel#	Address <u>46 ELF Hill Rd.</u>
Lot#	Telephone# <u>253-7691</u>
* Installer's Name	Designer's Name <u>Alan Weiss</u>
Address	Address <u>Belchertown, MA.</u>
Telephone#	Telephone# <u>323-5757</u>

Type of Building RES Lot Size 1.23 AC sq. ft.
 Dwelling - No. of Bedrooms 4 Garbage grinder ()
 Other - Type of Building _____ No. of persons _____ Showers (), Cafeteria ()
 Other Fixtures _____
 Design Flow (min. required) 440 gpd Calculated design flow 560 Design flow provided 560 gpd
 Plan: Date 3/20/95 Number of sheets 4 Revision Date 10/25/00
 Title SEPTIC SYSTEM DISPOSAL PLAN
 Description of Soil(s) CLASS I; LSAND
 Soil Evaluator Form No. _____ Name of Soil Evaluator A. Weiss Date of Evaluation 10/3/95

DESCRIPTION OF REPAIRS OR ALTERATIONS NEW SYSTEM

The undersigned agrees to install the above described Individual Sewage Disposal System in accordance with the provisions of TITLE 5 and further agrees to not to place the system in operation until a Certificate of Compliance has been issued by the Board of Health.

Signed [Signature] Date 10/31/00

Inspections _____

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CERTIFICATE OF COMPLIANCE

Description of Work: Individual Component(s) Complete System

The undersigned hereby certify that the Sewage Disposal System; Constructed (), Repaired (), Upgraded (), Abandoned ()

by: _____ at 4 ELF Hill Rd

has been installed in accordance with the provisions of 310 CMR 15.00 (Title 5) and the approved design plans/as-built plans relating to application No. 00-22, dated _____, Approved Design Flow _____ (gpd)

Installer Mark Mark Designer: _____ Inspector: [Signature] Date: 11/24/00

The issuance of this permit shall not be construed as a guarantee that the system will function as designed.

sent 7/10/01
D

No. 00-22 Revised

COMMONWEALTH OF MASSACHUSETTS

Board of Health, Amherst, MA.

DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permission is hereby granted to; Construct () Repair () Upgrade () Abandon () an individual sewage disposal system at LOT 210 4 ELF Hill Rd as described in the application for Disposal System Construction Permit No. 00-22, dated 10-31-00

Provided: Construction shall be completed within three years of the date of this permit. All local conditions must be met.

Form 1255 Rev. 5/96 A.M. Sulkin Co. Boston, MA Date 10-31-00 Board of Health [Signature]



ALAN E. WEISS, M.S., L.S.P.

Licensed Site Professional
Registered Sanitarian
Hydrogeologist
President

- Subsurface Investigations
- 21E Site Investigations
- Pollution Remediation
- Percolation Tests and Septic Designs

350 Old Enfield Rd.
Belchertown, MA 01007
(413) 323-5957 & 323-4916 (FAX)

Date: 3/7/95

Commonwealth of Massachusetts
Amherst, Massachusetts

Soil Suitability Assessment for On-site Sewage Disposal

Performed By: A. WEISS, RS Date: 3/7/95
Witnessed By: D. ZAROZINSKI, Soil Eval. BOH. Agent

Location Address or Lot # LOT 210 EIF Hill @ By Rd. Amherst, MA.	Owner's Name, Address, and Telephone # Charlie Scherpa 46 EIF Hill Rd. Amherst, MA. 01002 253-7691
New Construction <input type="checkbox"/> Repair <input checked="" type="checkbox"/>	

Office Review

Published Soil Survey Available: No Yes

Year Published 1981 Publication Scale 1:15,840 Soil Map Unit Wtc

Drainage Class mod. Soil Limitations Seasonal Hi G.W.

Surficial Geologic Report Available: No Yes

Year Published Publication Scale

Geologic Material (Map Unit)

Landform

Flood Insurance Rate Map:

Above 500 year flood boundary No Yes

Within 500 year flood boundary No Yes

Within 100 year flood boundary No Yes

Wetland Area:

National Wetland Inventory Map (map unit)

Wetlands Conservancy Program Map (map unit)

Current Water Resource Conditions (USGS): Month

Range : Above Normal Normal Below Normal

Other References Reviewed: _____





Location Address or Lot No. Lot 210, EIF Hill + Bay Rd.

On-site Review

Deep Hole Number TP-1+2 Date: 3/7/95 Time: _____ Weather Sun

Location (identify on site plan) _____

Land Use Rural Use Slope (%) 4-6 Surface Stones Some

Vegetation Deciduous

Landform _____

Position on landscape (sketch on the back) _____

Distances from:

Open Water Body 100' feet Drainage way 100' feet
Possible Wet Area 100' feet Property Line 20' feet
Drinking Water Well 100' feet Other _____
Town Water Area

DEEP OBSERVATION HOLE LOG*

Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
0-2"	A'	FSC	10YR3/2		Friable
2-32"	B	FSL	10YR5/6		Friable
32"-74"	C ₁	S	2.5Y 5/4	Not obs.	F. SAND
74"-144"	C ₂	LS	2.5Y 5/4		F.m Sand mod. loose, Finer w/ depth.
0-3"	A		10YR3/2	Not obs.	Friable
3-20"	B		10YR5/6		Friable
20-144"	C ₂	LS	2.5Y 5/4		F.mod. Sand, mod. loose, Finer w/ depth.

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic) Sandy till Depth to Bedrock: 144" ±

Depth to Groundwater: Standing Water in the Hole: Not obs. Weeping from Pit Face: Not obs.

Estimated Seasonal High Ground Water: 144" ±





Location Address or Lot No. EIF Hill Rd, Lot 210

Determination for Seasonal High Water Table

Method Used:

- Depth observed standing in observation hole inches
- Depth weeping from side of observation hole inches
- Depth to soil mottles 144"± inches
- Ground water adjustment feet

Index Well Number Reading Date Index well level ...
 Adjustment factor Adjusted ground water level

Depth of Naturally Occurring Pervious Material

Does at least four feet of naturally occurring pervious material exist in all areas observed throughout the area proposed for the soil absorption system? yes

If not, what is the depth of naturally occurring pervious material? _____

Certification

(DNE Z.)

I certify that on July 93 (date) I have passed the soil evaluator examination approved by the Department of Environmental Protection and that the above analysis was performed by me consistent with the required training, expertise and experience described in 310 CMR 15.017.

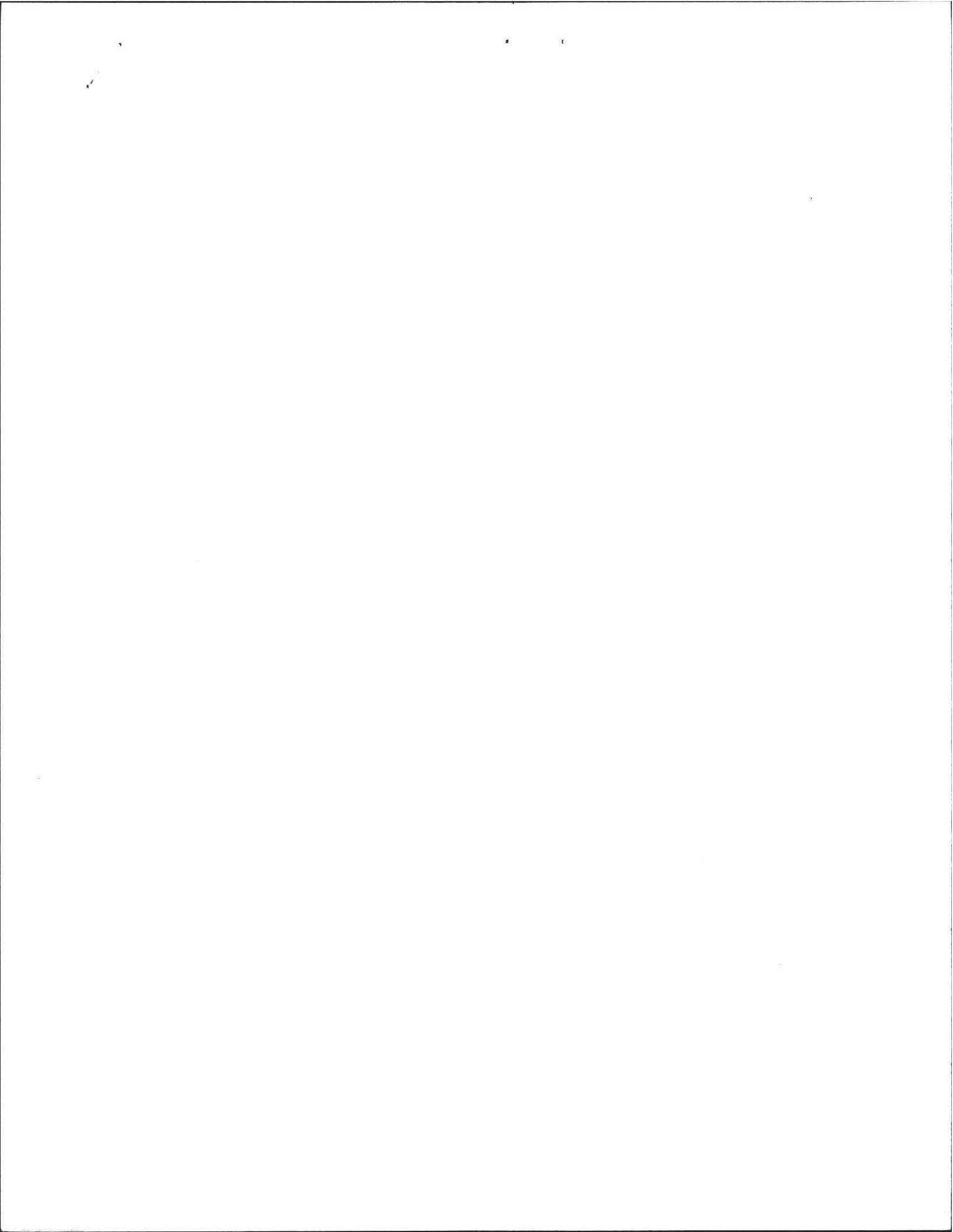
+ [Signature] 3/7/95

*

✓ Signature * _____ Date _____

DNE Z. present. Soil Evaluator





Location Address or Lot No. Lot 210, EF Hill

COMMONWEALTH OF MASSACHUSETTS

AMHERST, Massachusetts

Percolation Test*		
Date: <u>3/7/95</u>		Time: <u>9:00</u>
Observation Hole #	<u>P₁</u>	<u>P₂</u>
Depth of Perc	<u>40"</u>	<u>72"</u>
Start Pre-soak	<u>9:04</u>	<u>9:37</u>
End Pre-soak	<u>9:19</u>	<u>9:52</u>
Time at 12"	<u>9:19</u>	<u>9:52</u>
Time at 9"	<u>9:29</u>	<u>9:56</u>
Time at 6"	<u>9:39</u>	<u>10:02</u>
Time (9"-6")	<u>10</u>	<u>8</u>
Rate Min./Inch	<u>4 $\frac{MIN}{IN}$</u>	<u>2.5 $\frac{MIN}{IN}$</u>

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

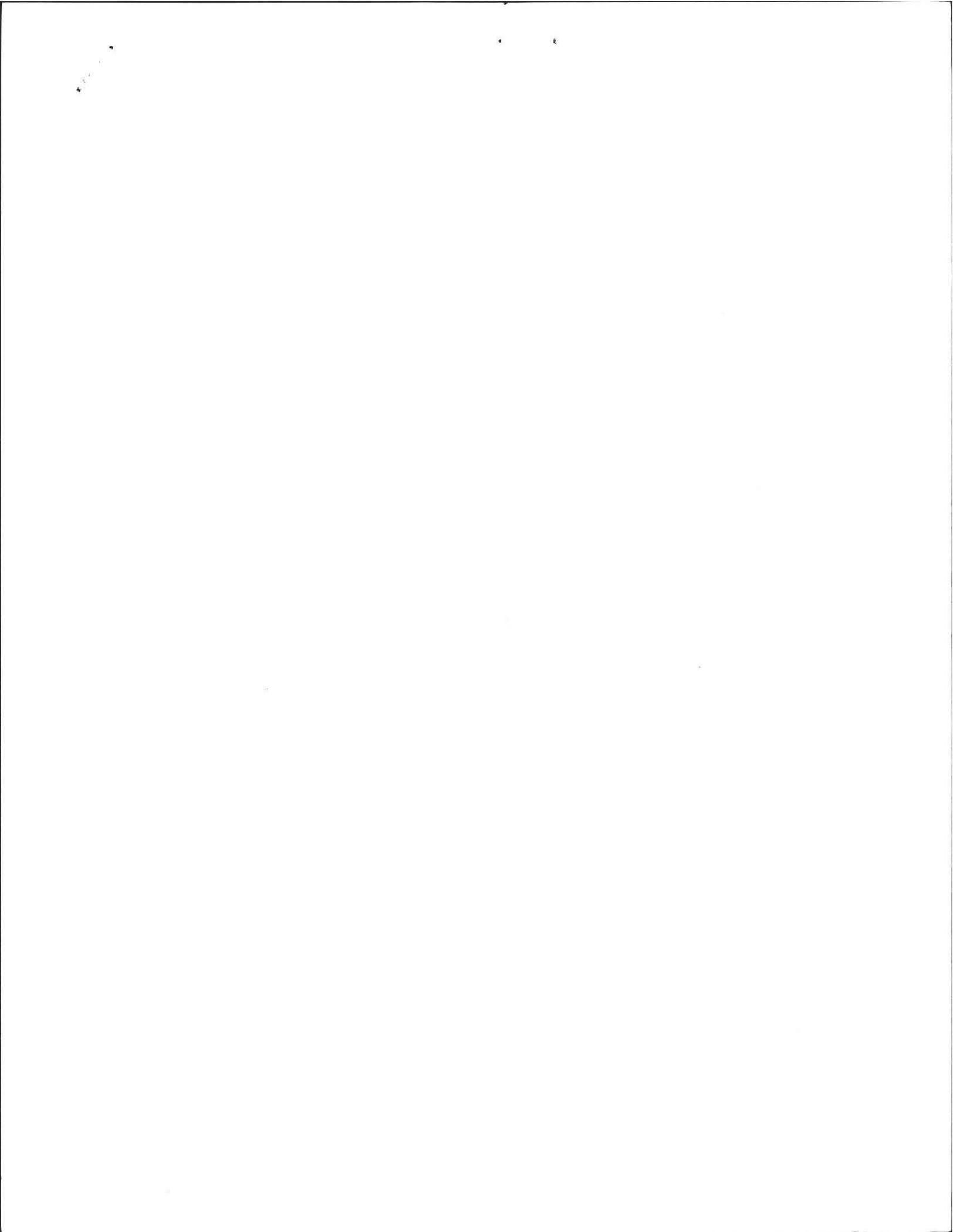
Site Passed Site Failed

Performed By: A. Weiss, ES

Witnessed By: D. Zarowski, Soil Eval., Health Agent.

Comments: _____





**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 24, 2001

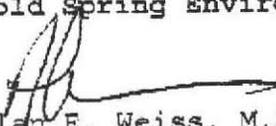
Amherst Board of Health,

RE: System Installation Inspection
4 Elf Hill Road, (lot 210) Amherst

On this date the writer inspected the installation of a new **Soil Absorption System** (septic system). The writer found the installation to be complete (except for completion of cover material) and in compliance with 310 CMR 15.000. The installer representative (**Matt Mattliss**) and my inspection noted that the system was built properly, in accordance with the state regulations and our plan.

Sincerely,

Cold Spring Environmental Consultants, Inc.



Alan E. Weiss, M.S., L.S.P.
President
Principal Hydrogeologist
Licensed Site Professional #6442

Registered Sanitarian #933

Cold Spring Environmental
350 Old Enfield Road
Belchertown, Ma. 01007

413-323-5959, phone
413-323-4916, fax

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Fax: 323-4916

