

No. 07-01

CK# 7357
REP# 2423
2/26/07
FEE #450-
COMMONWEALTH OF MASSACHUSETTS
ALAN WEISS
REG #933
REGISTERED SANITARIAN

COMMONWEALTH OF MASSACHUSETTS

Board of Health, Amherst, MA.

APPLICATION FOR DISPOSAL SYSTEM CONSTRUCTION PERMIT

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

(New house (577?))

Location	575 Northeast St.	Owner's Name	Roger Cherevatti
Map/Parcel#		Address	15 Foxglove Ln.
Lot#		Telephone#	253-2108 Cell: 374-3724
Installer's Name	DMO Construction / Rich Misterka	Designer's Name	Alan Weiss
Address		Address	Beldertown, MA.
Telephone#		Telephone#	323-5957

Type of Building: Residence - 6 Bedroom. Lot Size: 3.3 AC +/-
Dwelling - No. of Bedrooms: 6 Bedroom. Garbage grinder: No
Other - Type of Building: No. of persons: Showers (), Cafeteria ()

Design Flow (min. required) 110 gpd Calculated design flow 660 Design flow provided 827 gpd

Plan: Date 1/22/07 Number of sheets 2 Revision Date 3-7-07

Title: New Septic / House plan for R. Cherevatti

Description of Soil(s):
Soil Evaluator Form No.: Name of Soil Evaluator: A. Weiss Date of Evaluation: 8/31/04 + 11/10/07

DESCRIPTION OF REPAIRS OR ALTERATIONS: New Complete SWS

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: 1/25/07

Inspections:

No. 07-01

COMMONWEALTH OF MASSACHUSETTS

Board of Health, AMHERST, MA.

CERTIFICATE OF COMPLIANCE

FEE #450-

Description of Work: Individual Component(s) Complete System

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

by: DMO Construction / Rich Misterka at 575 Northeast St.

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. 07-01, dated 03-07-07. Approved Design Flow 827 (gpd)

Installer: [Signature] Inspector: Ellen Bobina, AMHS Date: 12-15-08

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

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COMMONWEALTH OF MASSACHUSETTS

Board of Health, AMHERST, MA.

DISPOSAL SYSTEM CONSTRUCTION PERMIT

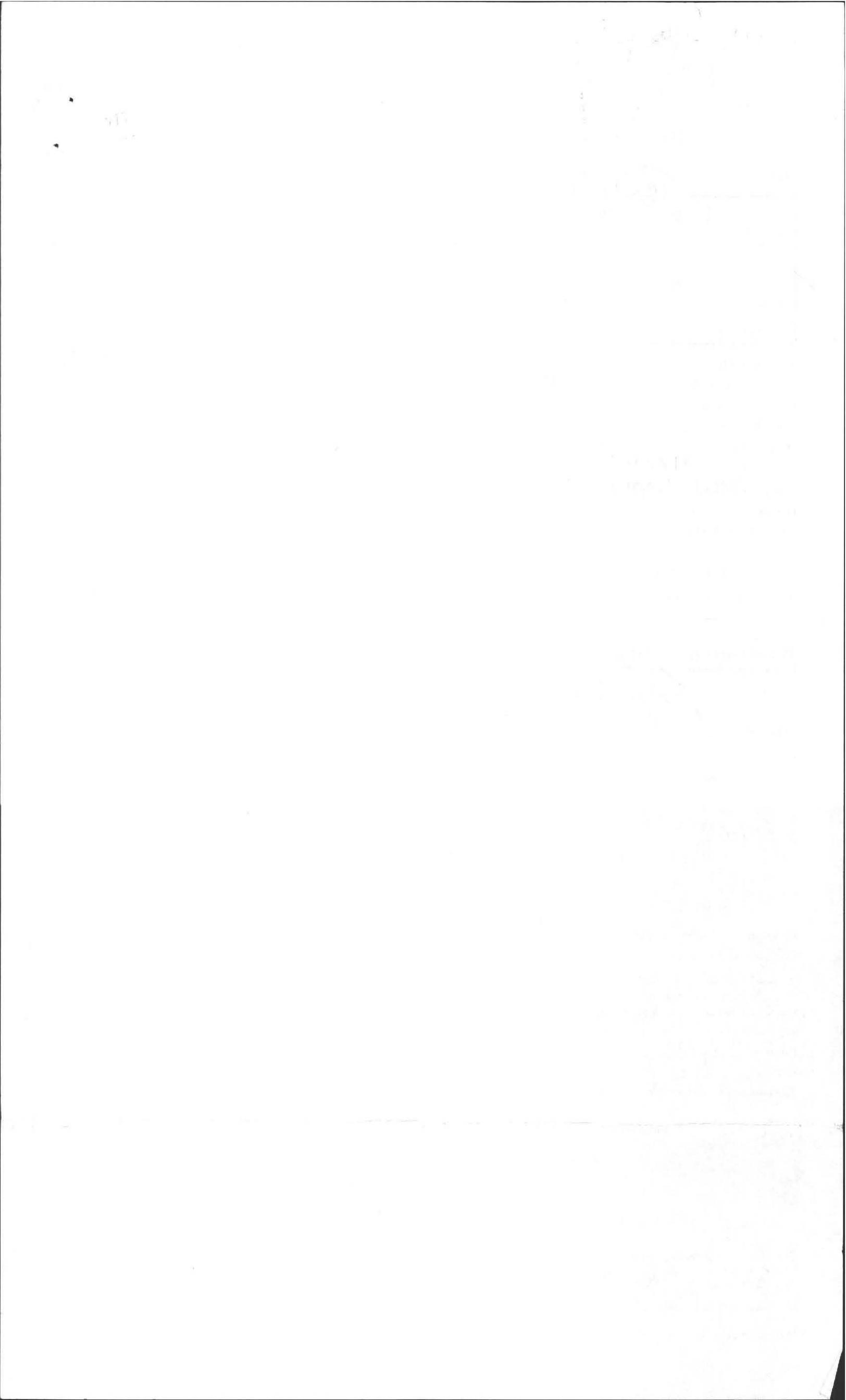
FEE #450-

Permission is hereby granted to; Construct (X) Repair () Upgrade () Abandon () an individual sewage disposal system at 577 NORTHEAST STREET as described in the application for

Disposal System Construction Permit No. 07-01, dated 3/16/07 - 3/22/07

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

Date 3/22/07 Board of Health [Signature]



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

Licensed Site Professional
Registered Sanitarian
Hydrogeologist
President

- Wetland Consults
- Soil and Water Testing
- 21E Site Investigations
- Percolation Tests and
- Septic Designs
- Title 5 Inspections

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

ae weiss@charter.net

Date: 1/10/07

Commonwealth of Massachusetts
Amherst, Massachusetts

Soil Suitability Assessment for On-site Sewage Disposal

Performed By: A Weiss

Date: 8/13/07
1/10/07

Witnessed By: D. Zarozinski, T. Dion

Donat J. Roger Charrelatti

Location Address or Lot # <u>Behind # 575 Northeast St.</u>	Owner's Name, Address, and Telephone # <u>15 Fox glove Ln., Amherst, MA.</u>
New Construction <input type="checkbox"/> Repair <input type="checkbox"/>	

Office Review

Published Soil Survey Available: No Yes

Year Published _____ Publication Scale _____ Soil Map Unit _____

Drainage Class _____ Soil Limitations _____

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)

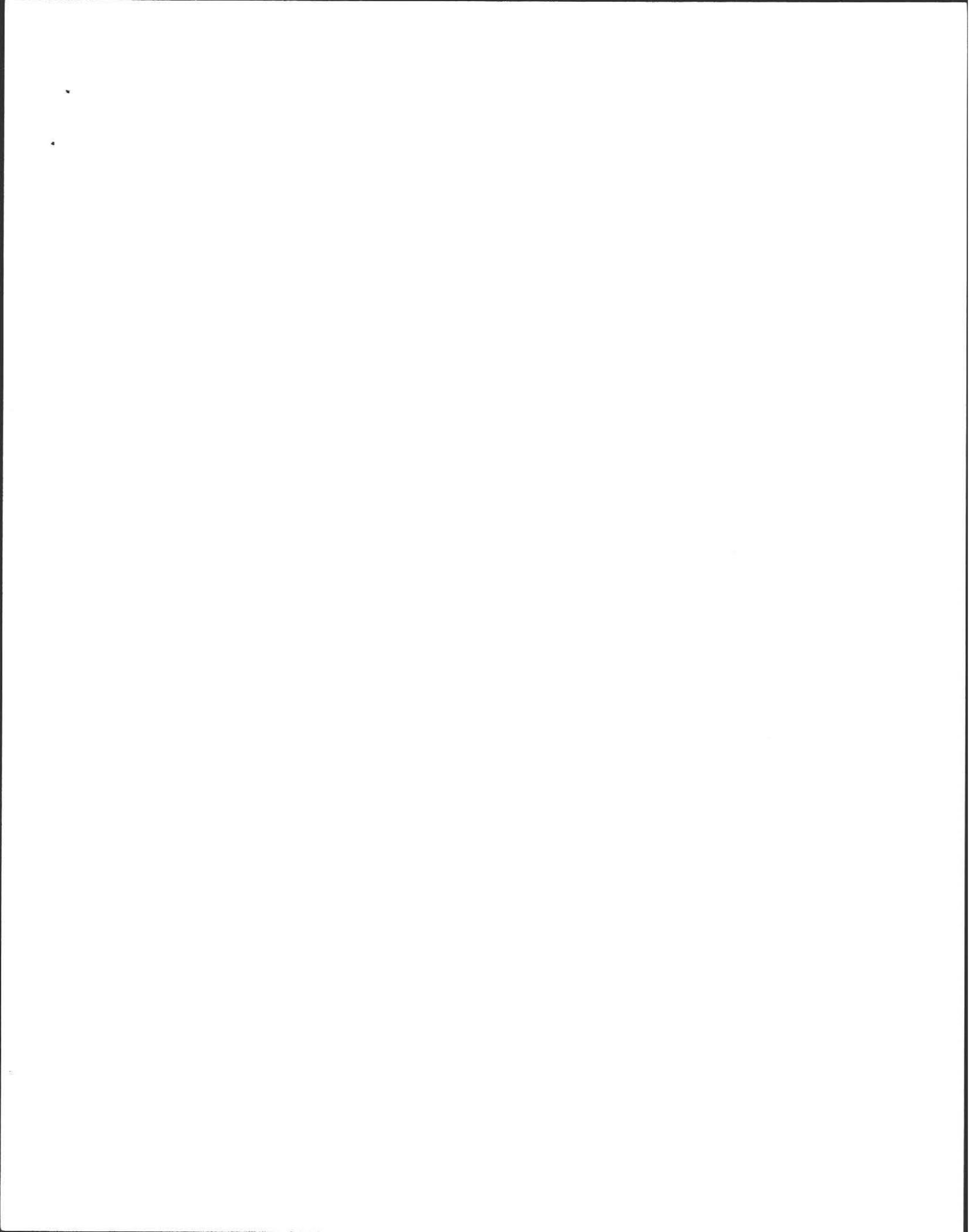
Wetlands Conservancy Program Map (map unit)

Current Water Resource Conditions (USGS): Month

Range: Above Normal Normal Below Normal

Other References Reviewed: _____





Location Address or Lot No. 575 back Lot N. East St

COMMONWEALTH OF MASSACHUSETTS

Amherst, Massachusetts

Percolation Test*		
Date: <u>1/11/07</u>		Time: <u>12:00</u>
Observation Hole #	<u>07-1</u>	<u>2</u>
Depth of Perc	<u>46"</u>	<u>See ob</u>
Start Pre-soak	<u>11:25</u>	<u>per.</u>
End Pre-soak	<u>11:40</u>	
Time at 12"	<u>11:40</u>	
Time at 9"	<u>11:45</u>	
Time at 6"	<u>11:52</u>	
Time (9"-6")	<u>7</u>	
Rate Min./Inch	<u>3 MPI</u>	<u>(12)</u>

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

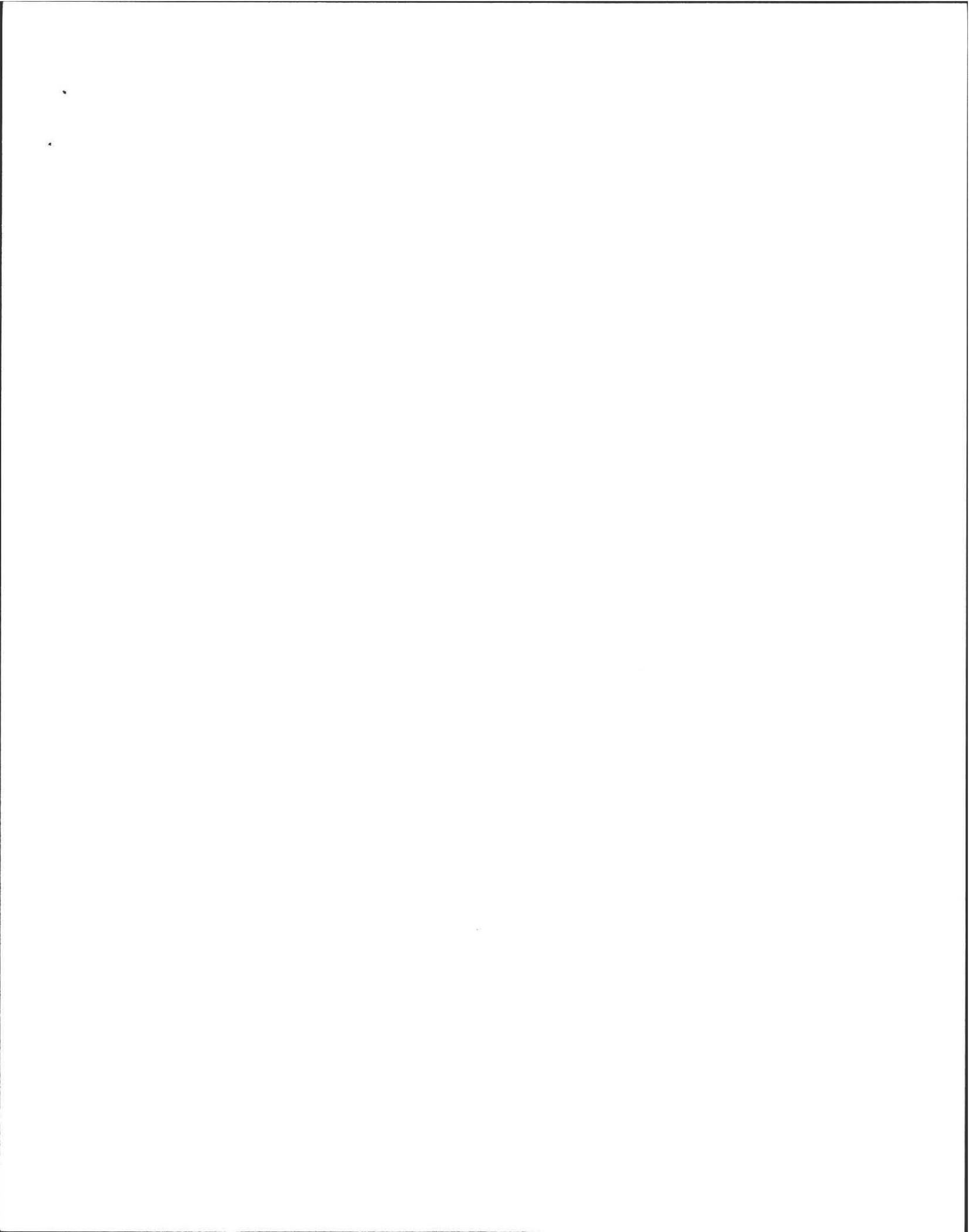
Site Passed Site Failed

Performed By: A. Weiss

Witnessed By: _____

Comments: _____





Location Address or Lot No. Behind 575 Northeast St.

On-site Review

Deep Hole Number 07-3 / 07-4 Date: 1/10/07 Time: 11:30 Weather SUN 30°F

Location (identify on site plan) _____

Land Use Rural Agric Slope (%) 2 Surface Stones Not

Vegetation grass

Landform terraced

Position on landscape (sketch on the back) _____

Distances from:

Open Water Body 100' feet Drainage way 50' feet
 Possible Wet Area 100' feet Property Line 50' feet
 Drinking Water Well 100' feet Other _____

To Be Properly Abandoned

DEEP OBSERVATION HOLE LOG*

Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
<u>0-9"</u>	<u>Ap</u>	<u>FsL</u>	<u>10YR3/3</u>		<u>Frable. Loose</u>
<u>9"-32"</u>	<u>Bw</u>	<u>SL</u>	<u>10YR5/6</u>		<u>Frable.</u>
<u>32"-100"</u>	<u>C1</u>	<u>CS</u>	<u>2.5Y4/6</u>	<u>52"</u>	<u>Coarse sand + gravel, granular</u>
<u>100"-126"</u>	<u>C2</u>	<u>FS</u>	<u>2.5Y4/3</u>	<u>7.5YR6/6</u> <u>2.5Y4/1</u>	<u>20% cobbles -</u> <u>F sand + silt. varved.</u>
<u>0-10"</u>	<u>Ap</u>	<u>FsL</u>	<u>10YR3/3</u>		 <u>(Same)</u>
<u>10"-30"</u>	<u>Bw</u>	<u>SL</u>	<u>10YR5/6</u>	<u>7.5YR6/6</u>	
<u>30"-108"</u>	<u>C1</u>	<u>CS</u>	<u>2.5Y4/6</u>	<u>52"</u>	
<u>108"-126"</u>	<u>C2</u>	<u>FS</u>	<u>2.5Y4/3</u>	<u>2.5Y4/1</u>	

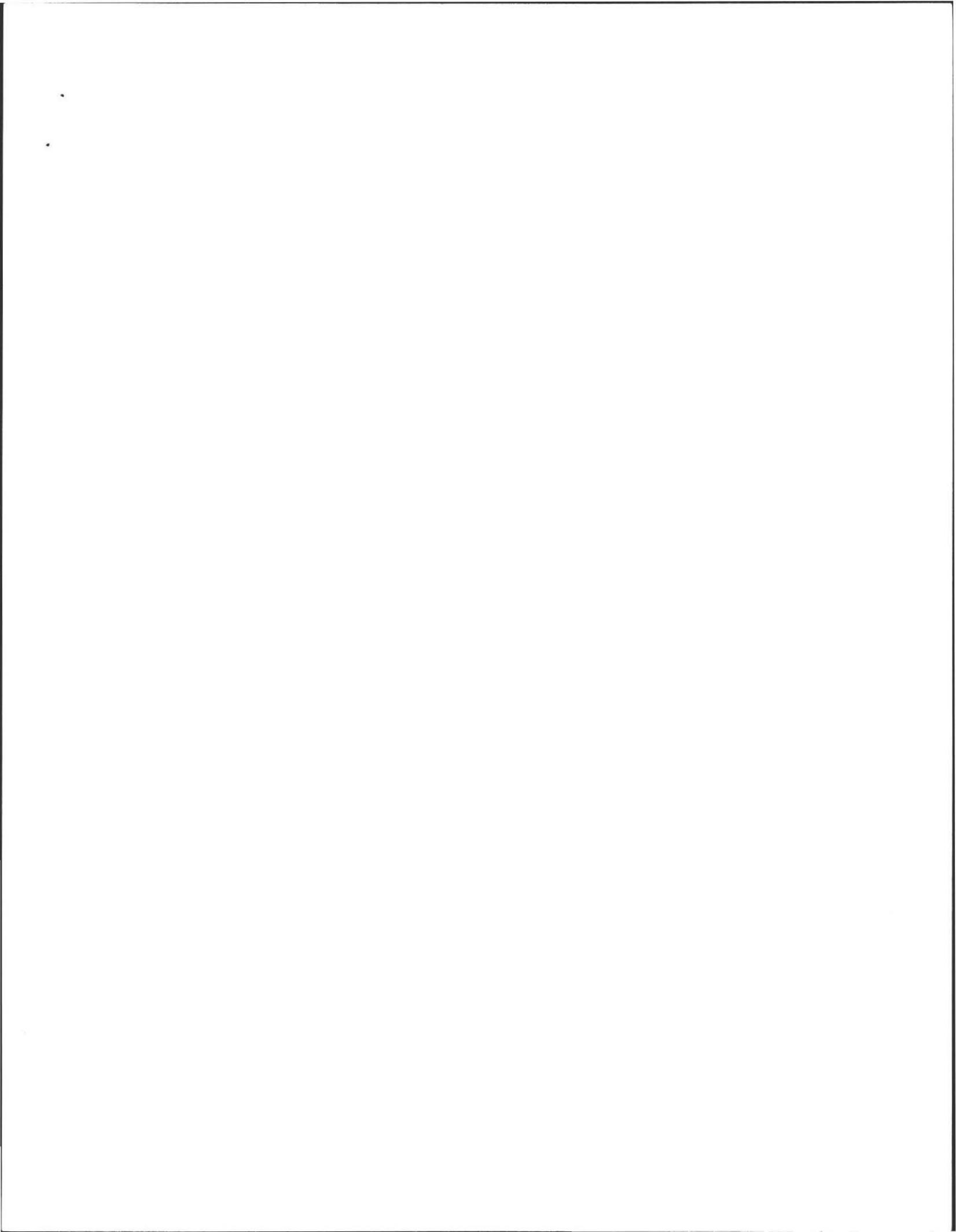
* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic) Outwash. Depth to Bedrock: 132'

Depth to Groundwater: Standing Water in the Hole: 100" Weeping from Pit Face: 74"

Estimated Seasonal High Ground Water: 52"





Location Address or Lot No. Behind # 575 Northeast St.

On-site Review

Deep Hole Number 07-01 ~~07-02~~ Date: 11/10/07 Time: 11:30 Weather sun 30°F

Location (identify on site plan) _____

Land Use Rural Agric Slope (%) 2 Surface Stones _____

Vegetation grass

Landform Terraced

Position on landscape (sketch on the back) _____

Distances from:

Open Water Body 100' feet Drainage way 50' feet
 Possible Wet Area 100' feet Property Line 50' feet
 Drinking Water Well 100' feet Other _____
* TO BE abandoned.

DEEP OBSERVATION HOLE LOG*

Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
<u>0-8"</u>	<u>Ap</u>	<u>FSL</u>	<u>10YR 3/3</u>		<u>Frable, LOOSE</u>
<u>8"-24"</u>	<u>Bw</u>	<u>SL</u>	<u>10YR 5/6</u>		<u>Frable</u>
<u>24"-86"</u>	<u>C1</u>	<u>CS</u>	<u>2.5Y 4/6</u>	<u>3B"</u>	<u>C. Sand + gravel, 20% cobbles</u>
<u>86"-132"</u>	<u>C2</u>	<u>FS</u>	<u>2.5Y 4/3</u>	<u>7.5Y 6/6</u> <u>2.5Y 4/1</u> <u>STRONG</u>	<u>F. Sand + silt. Var. val.</u>
<u>0-3"</u>	<u>Ap</u>	<u>FSL</u>	<u>10YR 3/3</u>		<u>Frable, LOOSE</u>
<u>3"-28"</u>	<u>Bw</u>	<u>SL</u>	<u>10YR 5/6</u>		<u>Frable,</u>
<u>28"-84"</u>	<u>C1</u>	<u>CS</u>	<u>2.5Y 4/6</u>	<u>5Z"</u>	<u>C. Sand / gravel, 20% cobbles</u>
<u>84"-126"</u>	<u>C2</u>	<u>FS</u>	<u>2.5Y 4/3</u>	<u>7.5Y 6/6</u> <u>2.5Y 4/1</u>	<u>F. Sand, little silt.</u>

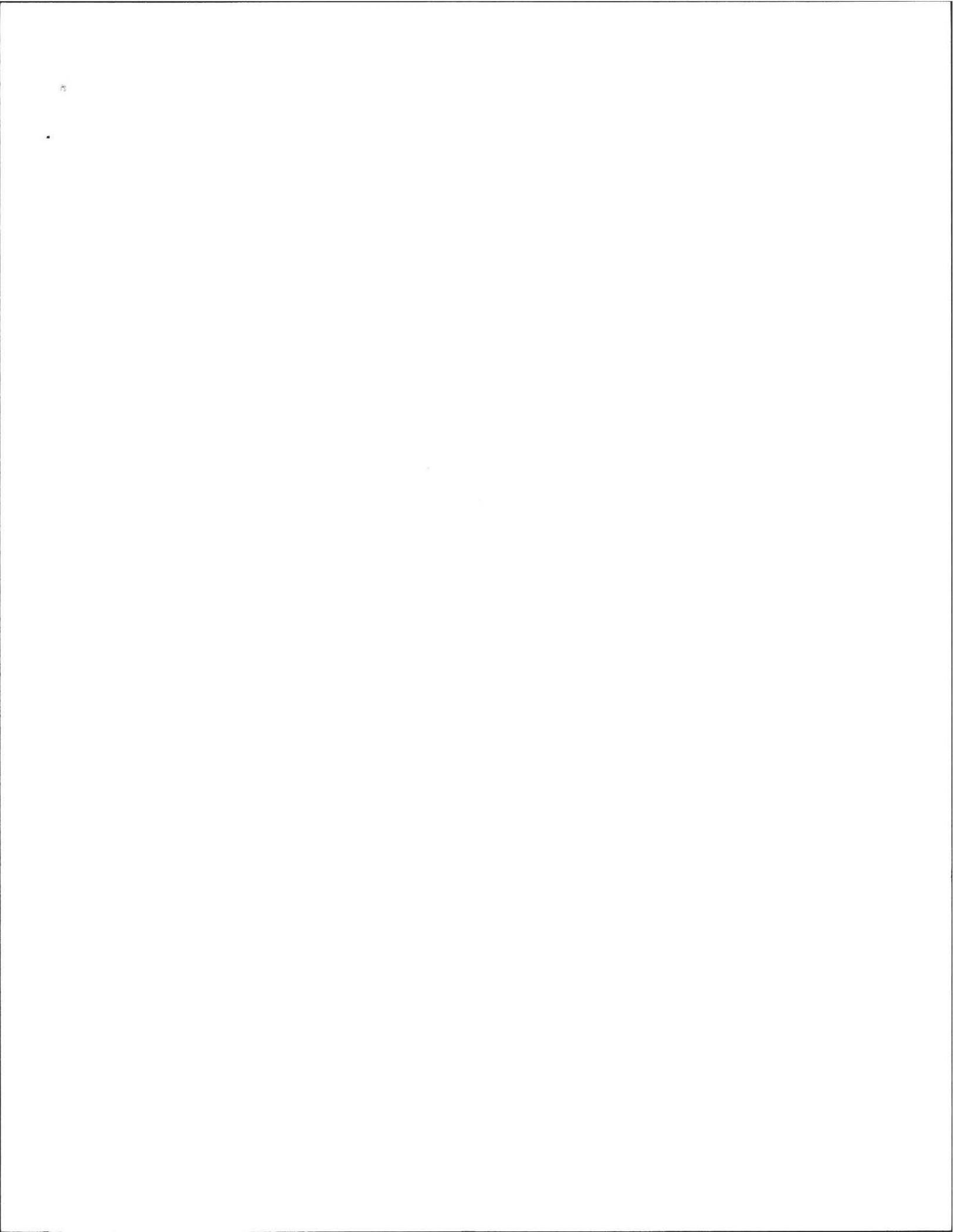
* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic) cl. wash Depth to Bedrock: 132'

Depth to Groundwater: Standing Water in the Hole: 100" Weeping from Pit Face: 74"

Estimated Seasonal High Ground Water: 36" - 52"





Location Address or Lot No. New Lot
LOT B 575 NE ST

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 42" inches (36-52")
- 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

I certify that on 6/95 (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 [Signature] Date 8/3/04
+ 11/01/07

