

180 Flat Hills Road



No. 01-18

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

Town Amherst OF

Archie Shapp
cutt @ 751
FEE 150^{cc}
Plan

APPLICATION FOR DISPOSAL SYSTEM CONSTRUCTION PERMIT

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

Location <u>180 Flat Hills Rd</u>	Owner's Name <u>Layne Floyd</u>
Map/Parcel # <u>Lot 1</u>	Address <u>401 Old Farm Rd, Amherst, MA 01002</u>
Lot #	Telephone # <u>(413) 253-4231</u>
Installer's Name	Designer's Name <u>Richard E. Costa PE Amherst Civil Engineering</u>
Address	Address <u>P.O. Box 3312, Amherst, MA 01004</u>
Telephone #	Telephone # <u>(413) 256-3400</u>

Type of Building: single family house Lot Size 45,959 Sq. feet
 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 477 gpd Design flow provided _____ gpd
 Plan: Date 10/31/01 Number of sheets 1 Revision Date _____
 Title "Site Plan for Single Family House"
 Description of Soil(s) Attached
 Soil Evaluator Form No. _____ Name of Soil Evaluator Robert Stover Date of Evaluation 4/18/01

DESCRIPTION OF REPAIRS OR ALTERATIONS

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

Signed Layne Floyd Date 11/1/01

Inspections

FORM 1 - APPLICATION FOR DSCP DEP APPROVED FORM 5/96

No. 01-18

THE COMMONWEALTH OF MASSACHUSETTS

FEE _____

Amherst BOARD OF HEALTH

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: Layne Floyd

at Lot 1 Flat Hills Rd

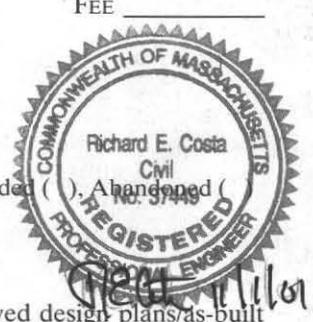
has been installed in accordance with the provisions of 310 CMR 15.00 (Title 5) and the approved design plans/as-built plans relating to application No. 01-18 dated _____ . Approved Design Flow _____ (gpd)

Installer Richard E. Costa

Designer: Robert W. Stover 12/28/01 Inspector David J. [Signature] Date 12/28/01

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

FORM 3 - CERTIFICATE OF COMPLIANCE DEP APPROVED FORM 5/96



No. 01-18

THE COMMONWEALTH OF MASSACHUSETTS

FEE 150^{cc}

Amherst BOARD OF HEALTH

DISPOSAL SYSTEM CONSTRUCTION PERMIT

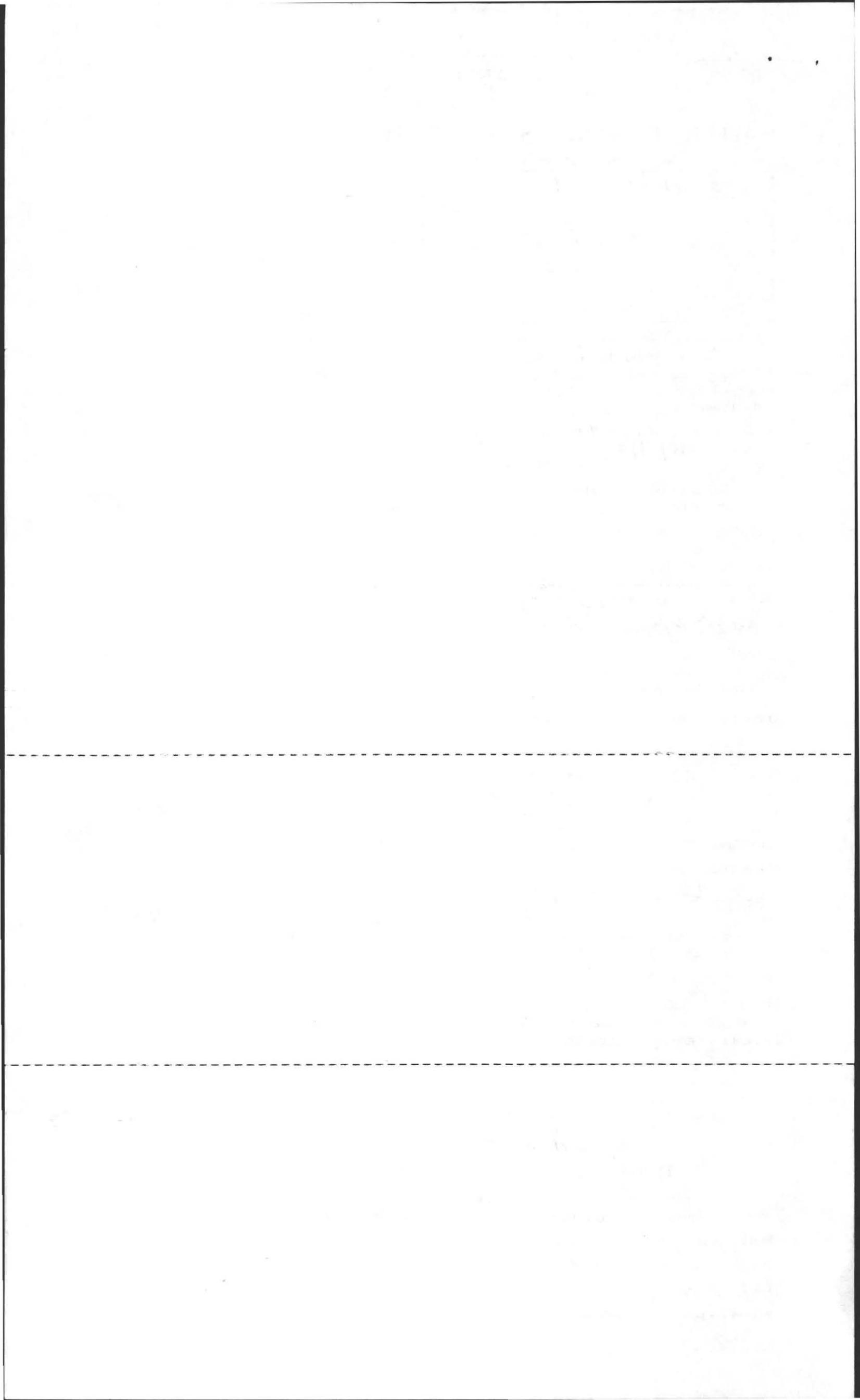
Permission is hereby granted to Construct Repair () Upgrade () Abandon () an individual sewage disposal system at Lot 1, Flat Hills Rd as described

in the application for Disposal System Construction Permit No. 01-18 , dated 10/31/01 .

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

Date 11/2/01 Board of Health [Signature]

FORM 2 - DSCP DEP APPROVED FORM 5/96



Hilary Russell

Man PRANSKY

Can you
Flayed

253-4248

180 Flat
Hills
DC

ARCHIE SHEPP
DAWN OF FREEDOM PUBLISHING CO.
P.O. BOX 2991 PH. 413-545-2751
AMHERST, MA 01004

5-13/110
0562455892

2791

DATE 2/24/01

PAY TO THE
ORDER OF

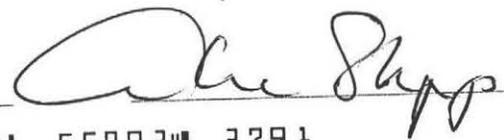
Town of Amherst \$ 150.00
one hundred & fifty & no/100 DOLLARS

 Security Features
Included
Details on back.


43303 Amherst Office
Amherst, Massachusetts 01002

MEMO

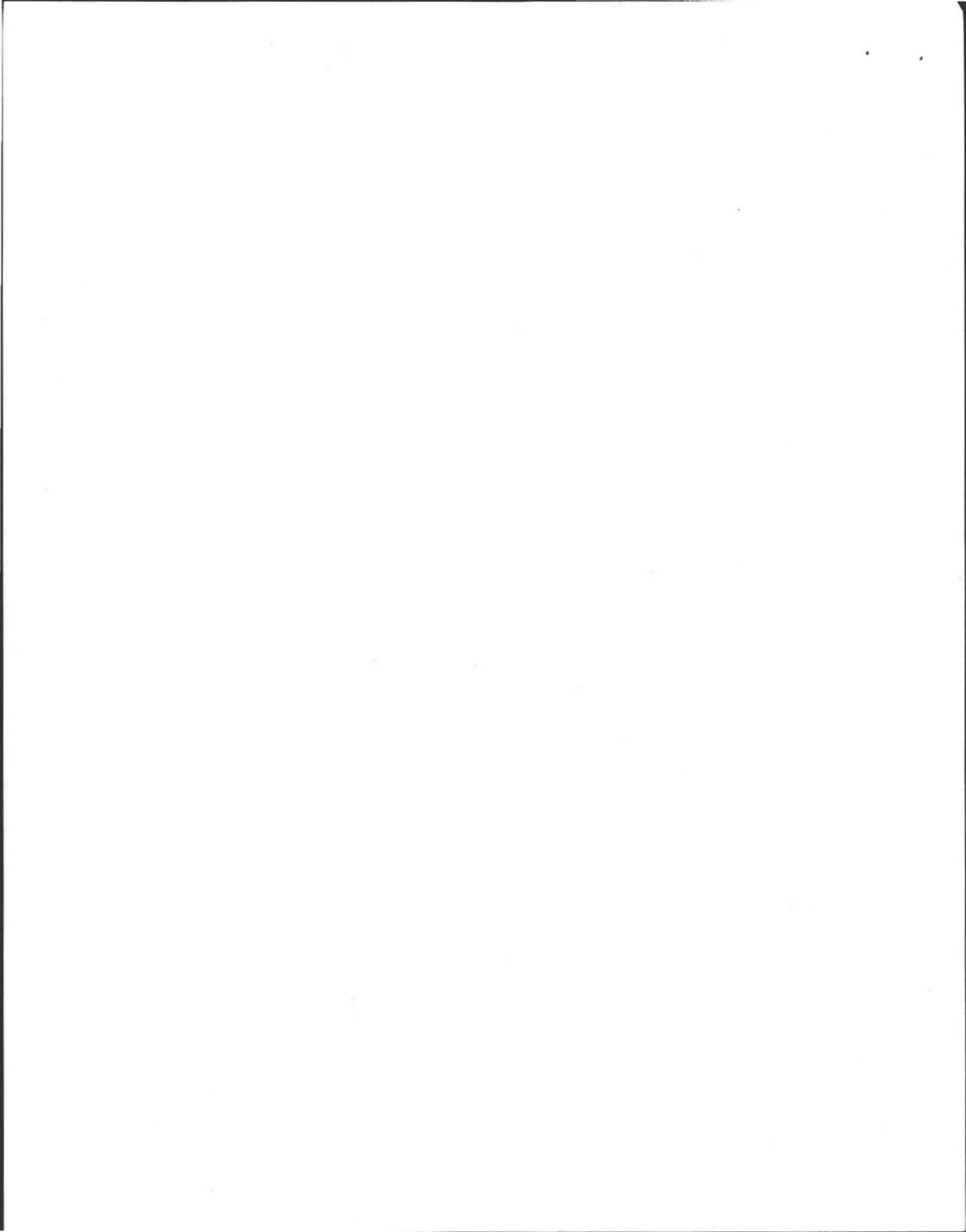
(Property Survey)



MP

⑆011000138⑆ 05624 55892⑈ 2791

SAFETY PAPER



Pd 138
FOR ROW
CHK
2791

No. _____

Date: 4/18/01

Commonwealth of Massachusetts
Amherst, Massachusetts
Soil Suitability Assessment for On-site Sewage Disposal

Performed By: Robert Stover
Witnessed By: David Zarzinski

Date: _____

Location Address or Lot # <u>Flat Hills Rd (next to 170 Flat Hills)</u>	Owner's Name, Address, and Telephone # <u>Archie Shepp c/o Bulkley, Richardson & Gelines 1900 main St. Suite 2700 Springfield, MA 01115</u>
New Construction <input checked="" type="checkbox"/> Repair <input type="checkbox"/>	

Office Review

Published Soil Survey Available: No Yes

Year Published 12/1981 Publication Scale _____

Drainage Class A 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) _____

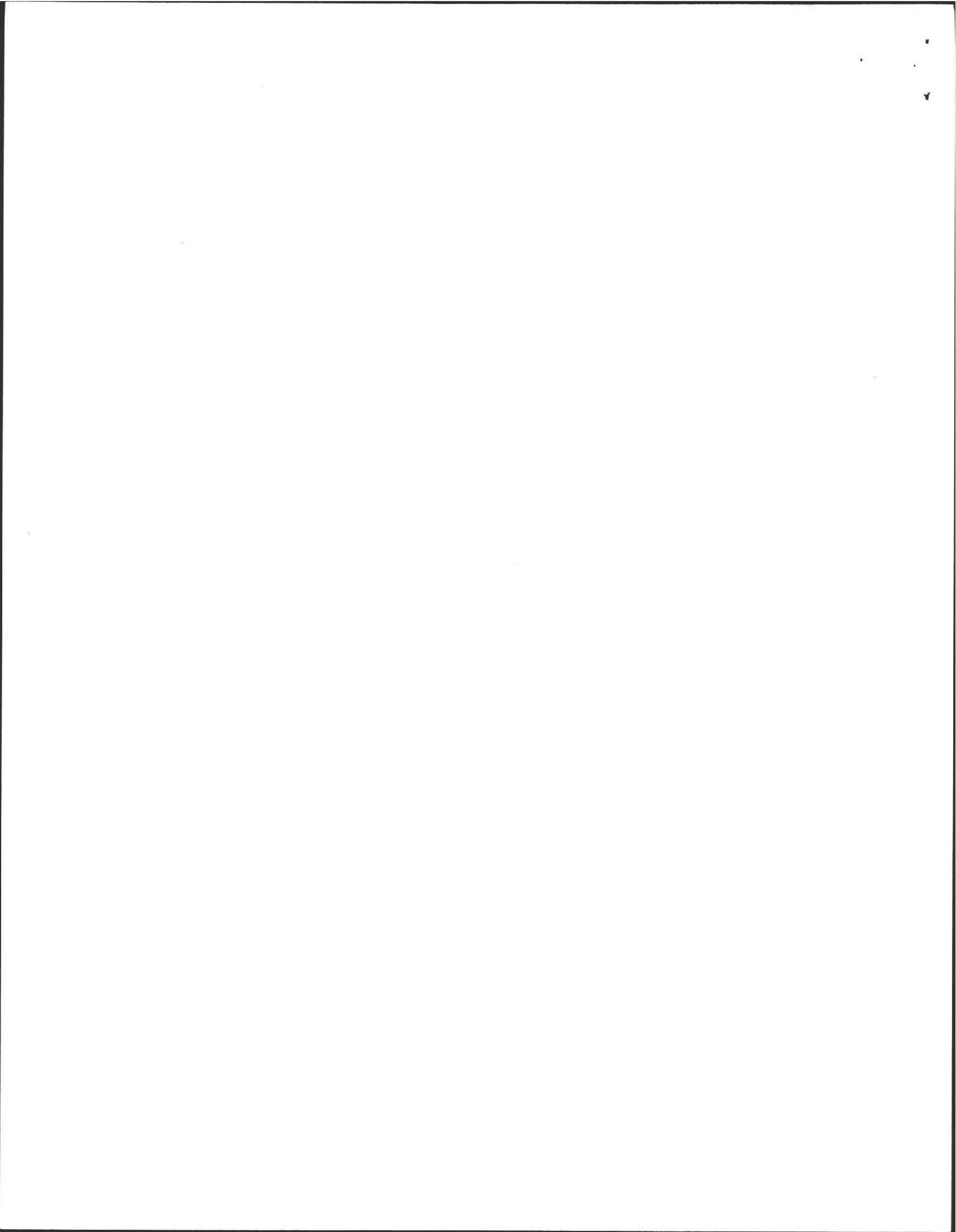
Current Water Resource Conditions (USGS): Month

Range :Above Normal Normal Below Normal

March 2001

Other References Reviewed: _____





Location Address or Lot No. Shepp land on Flat Mills Rd. Amherst

On-site Review

Deep Hole Number 1 Date: 4/18/01 Time: 9:30 Weather 32°-overcast
 Location (identify on site plan) see sketch
 Land Use light woods Slope (%) 2 Surface Stones few - several boulders
 Vegetation white pine, maple (red), hemlock
 Landform Till Hill

Position on landscape (sketch on the back)

Distances from:

Open Water Body 150 feet ± Drainage way 150 feet ±
 Possible Wet Area 150 feet ± Property Line 25 feet
 Drinking Water Well 100 feet ± Other _____

DEEP OBSERVATION HOLE LOG*

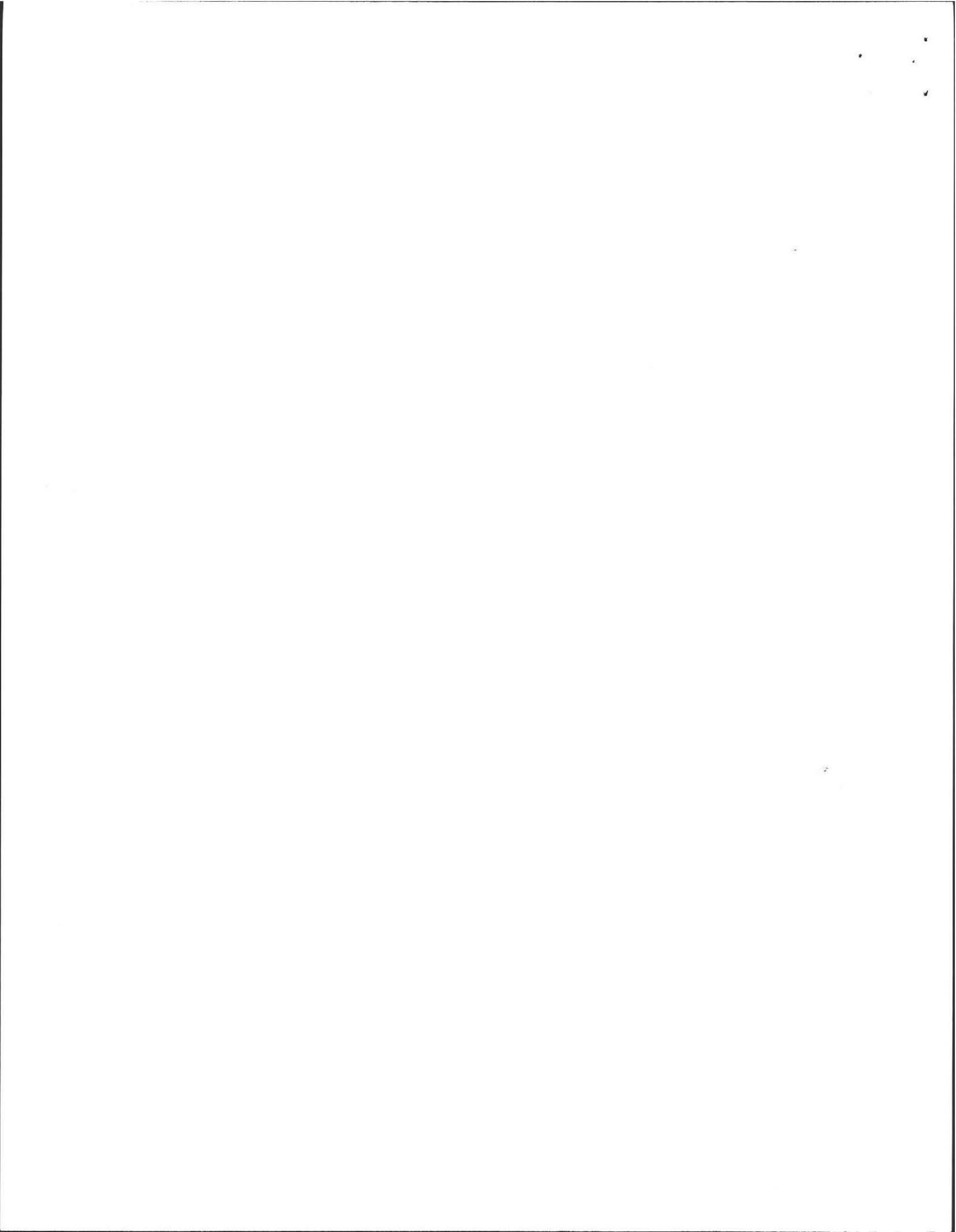
Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
0-5"	A	FSL	7.5YR3/4	none	Friable
5-18"	Bw	FSL	10YR4/6	none	Friable/Massive
18"-112"	C	FSL	2.5Y5/3	7.5YR 5/8 around weathering stones	Firm many gravels

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic) Till Depth to Bedrock: > 112"
 Depth to Groundwater: Standing Water in the Hole: none Weeping from Pit Face: 41" (slight)
 Estimated Seasonal High Ground Water: 41"



This test pit did not meet the requirements of Amherst Health Regs.



FORM 11 - SOIL EVAL

Location Address or Lot No. Flat Hills Rd.

On-site Review

Deep Hole Number 2 Date: 4/18/01 Time: 12:00 Weather 45° M
 Location (identify on site plan) see sketch
 Land Use light woods Slope (%) 2 Surface Stones occasional
 Vegetation white pine, poplar 3 spinebush
 Landform Till Hill
 Position on landscape (sketch on the back) 
 Distances from:
 Open Water Body 200 feet \pm Drainage way 100 feet \pm
 Possible Wet Area 200 feet \pm Property Line 25' feet
 Drinking Water Well 100 feet \pm Other _____

DEEP OBSERVATION HOLE LOG*

Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, Gravel)
0-8	A	FSL	10YR3/4	none	Friable
8-24	BW	FSL	7.5YR 4/6	none	Friable + massive
24-9'	C	FSL	2.5Y 5/4	5YR 3/3 @ 6'	Firm - gravelly

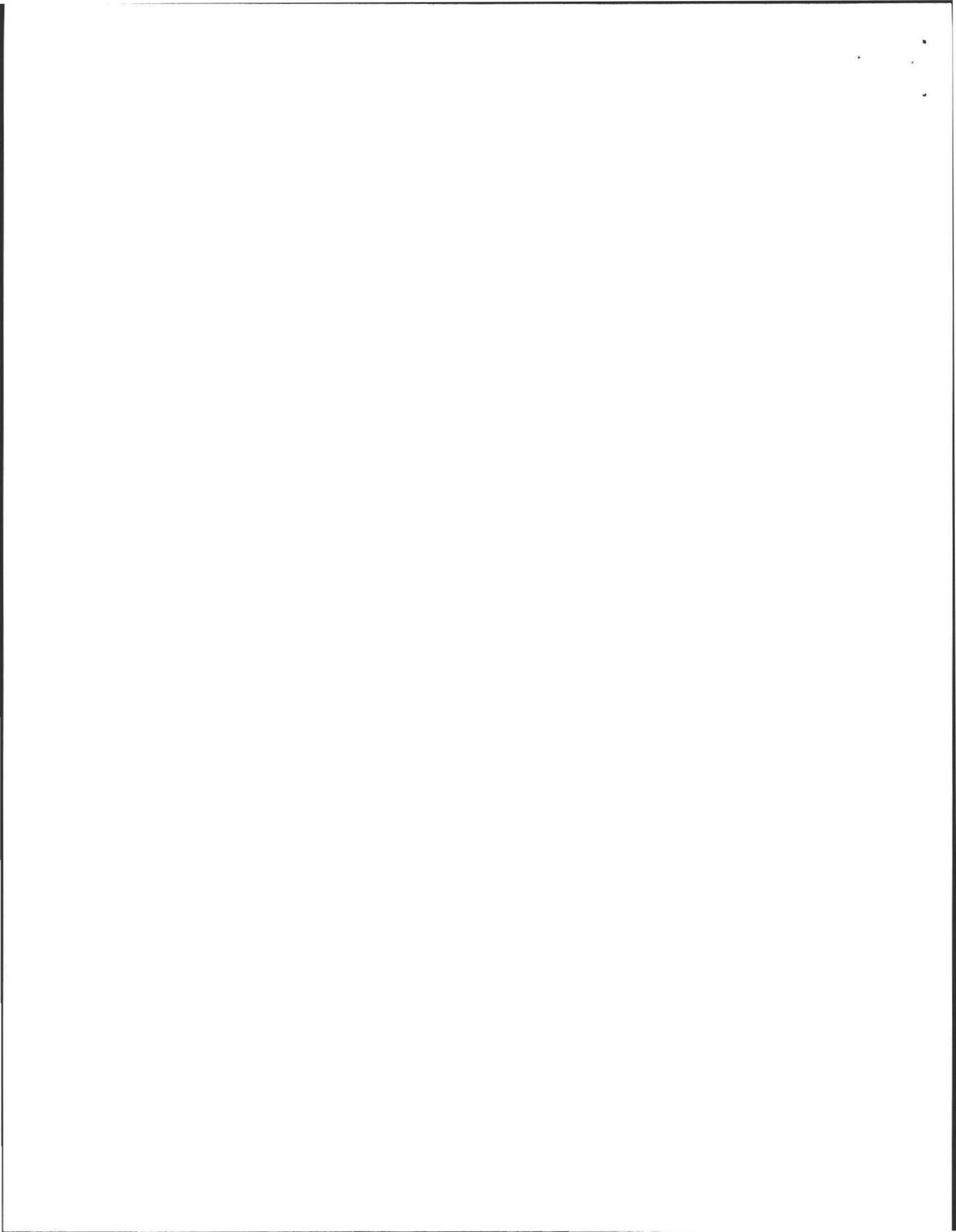
* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic) Till Depth to Bedrock: >9'
 Depth to Groundwater: Standing Water in the Hole: none Weeping from Pit Face: slight @ C
 Estimated Seasonal High Ground Water: 6'



DEP APPROVED FORM - 12/07/95

This test pit did not meet the requirements of the Amherst Health regulations.



Location Address or Lot No. Land on Flat Hills Rd. Amherst
owned by Archie Shepp

On-site Review

Deep Hole Number 3 Date: 4/18/01 Time: 12:00 noon Weather 40° - partly cloudy
 Location (identify on site plan) see sketch
 Land Use light woods Slope (%) 4 Surface Stones occasional - stone walls
 Vegetation white pine, red maple, hemlock
 Landform Till Hill

Position on landscape (sketch on the back)

Distances from:

Open Water Body 150 feet+ Drainage way 150 feet +
 Possible Wet Area 150 feet+ Property Line 60 feet +
 Drinking Water Well 100 feet+ Other _____



DEEP OBSERVATION HOLE LOG*

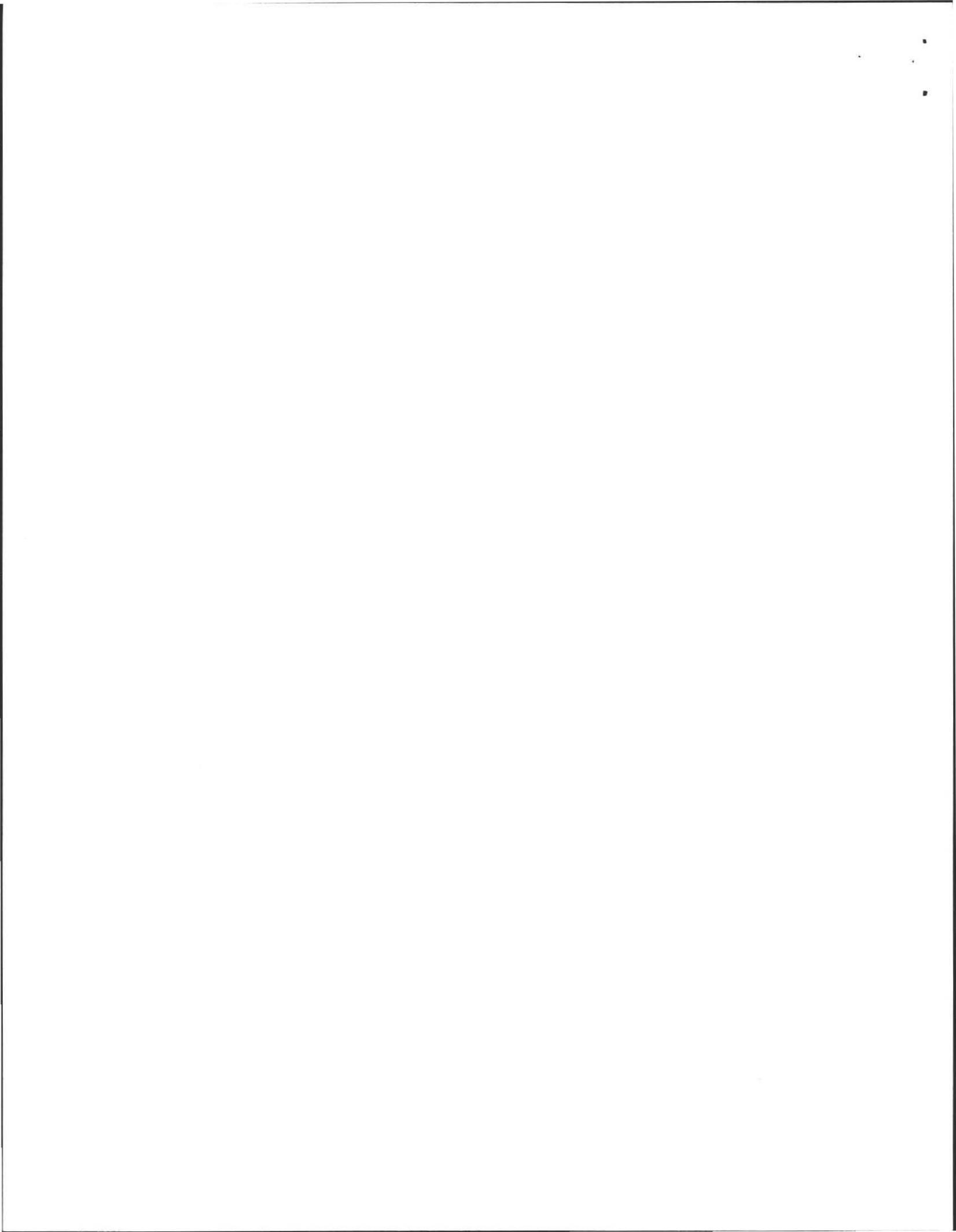
Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
0-7	A	FSL	10YR3/4	none	Friable
5-18	Bw	FSL	7.5YR4/6	none	Friable / Massive
18-112	C	FSL	2.5Y5/4	none	Firm, many gravel small stones

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic) till Depth to Bedrock: >112"
 Depth to Groundwater: Standing Water in the Hole: none Weeping from Pit Face: none
 Estimated Seasonal High Ground Water: 112'



This Test pit meets Amherst Health regulations, as well as the State Septic Sys code.



Location Address or Lot No. land on Flat Hills Rd., Amherst
owned by Archie Shepp

On-site Review

Deep Hole Number 4 Date: 4/18/01 Time: 12:30 Weather 40° partly cloudy
Location (identify on site plan) see sketch
Land Use light woods Slope (%) 4 Surface Stones occasional - stone walls
Vegetation white pine, red maple, hemlock
Landform till hill
Position on landscape (sketch on the back) Field stone wall

Distances from:

Open Water Body 150 feet ± Drainage way 150 feet ±
Possible Wet Area 150 feet Property Line 40 feet ±
Drinking Water Well 100 feet ± Other

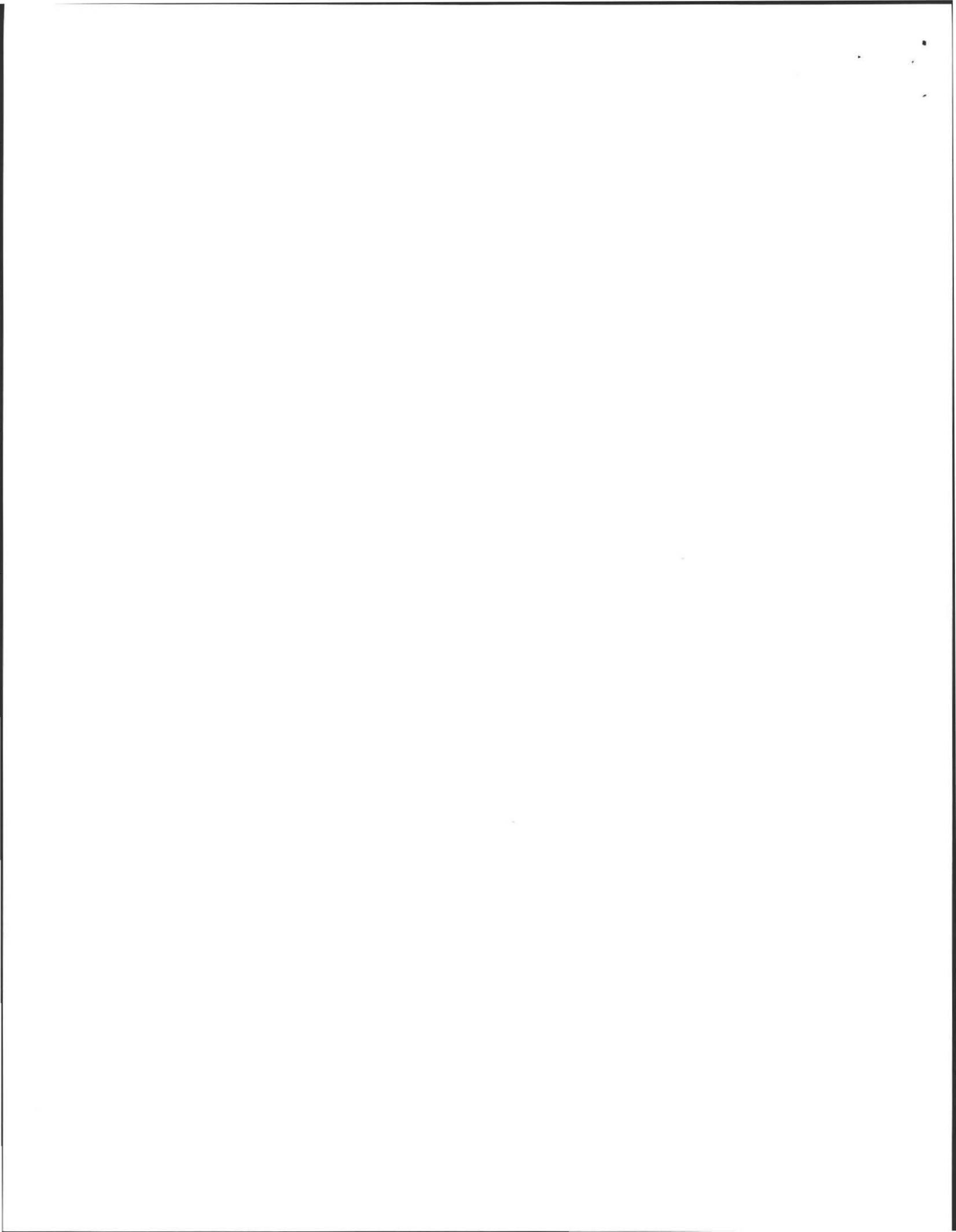
DEEP OBSERVATION HOLE LOG*					
Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
0-5	A	FSL	10YR 3/4	none	Friable,
5-24	Bw	FSL	7.5YR 4/6	none	Friable, Massive
24-102	C	FSL	2.5Y 5/4	none	Firm with gravel and stones

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic) till Depth to Bedrock: > 102"
Depth to Groundwater: Standing Water in the Hole: none Weeping from Pit Face: none
Estimated Seasonal High Ground Water: 102"



This test meets Amherst Health regulations as well as the state septic sys. code.



Location Address or Lot No. Flat Hills Rd

COMMONWEALTH OF MASSACHUSETTS

Amherst, Massachusetts

Percolation Test*			
Date: <u>4/18/01</u>		Time: <u>9:30 AM</u>	
Observation Hole #	<u>1</u>	<u>2+4</u>	<u>3</u>
Depth of Perc	<u>42"</u>	<u>45"</u>	<u>40"</u>
Start Pre-soak	<u>9:30</u>	<u>10:57</u>	<u>11:23</u>
End Pre-soak	<u>9:45</u>	<u>11:16</u>	<u>11:38</u>
Time at 12"	<u>9:47</u>	<u>11:16</u>	<u>11:38</u>
Time at 9"	<u>10:20</u>	<u>11:46</u>	<u>11:57</u>
Time at 6"	<u>11:20</u>	<u>12:46</u>	<u>12:32</u>
Time (9"-6")	<u>60</u>	<u>60</u>	<u>35</u>
Rate Min./Inch	<u>20</u>	<u>20</u>	<u>12</u>

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

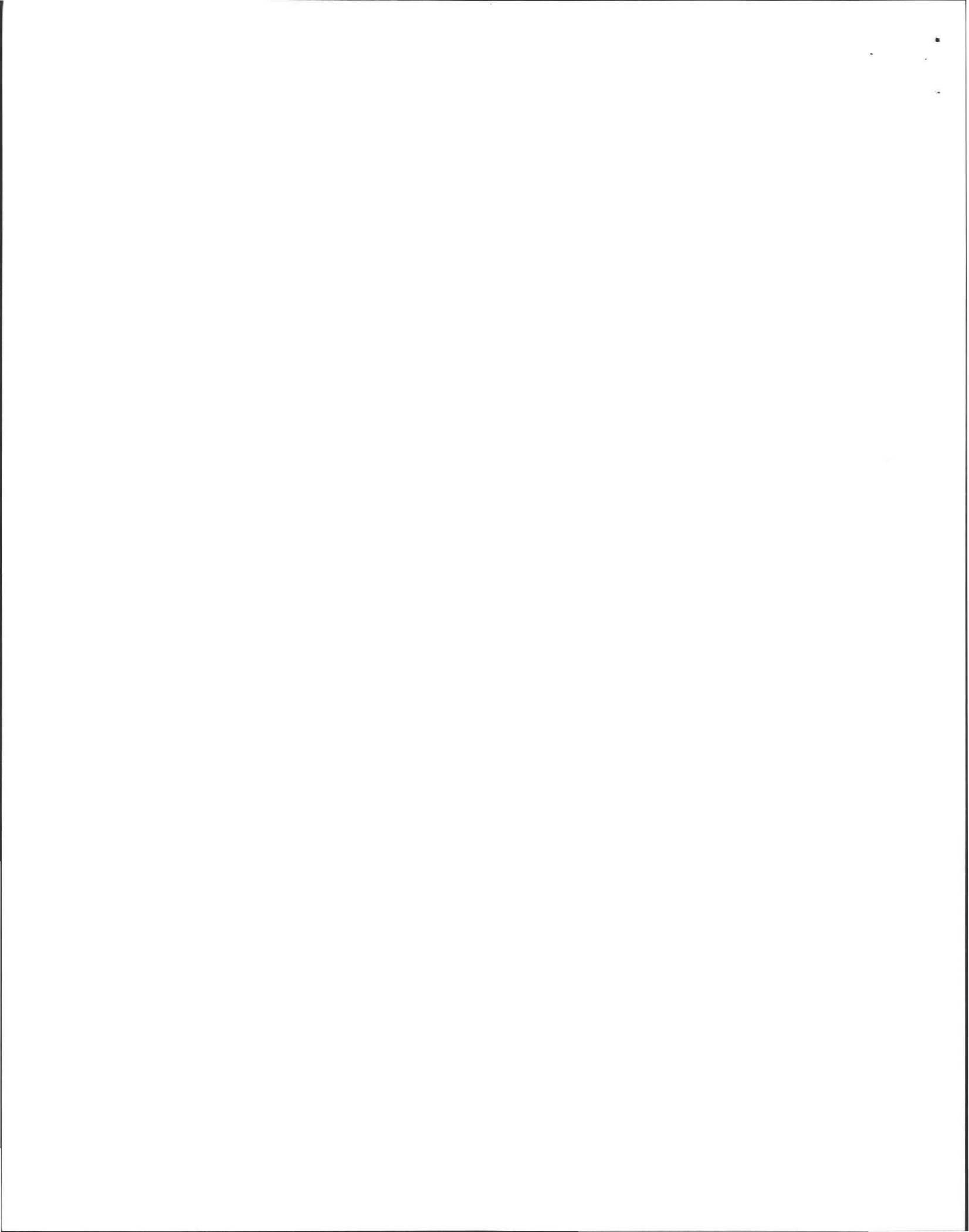
Site Passed Site Failed

Performed By: Robert Stover

Witnessed By: David Zarozinski

Comments: _____





Location Address or Lot No. Shepp Land at Flat Hills Rd.
Amherst, MA

Determination for Seasonal High Water Table

Method Used:

- | | | | |
|-------------------------------------|---|------------------------------|------------------------|
| <input checked="" type="checkbox"/> | Depth observed standing in observation hole | ^{TP 3} > 116 inches | ^{TP 4} > 102' |
| <input checked="" type="checkbox"/> | Depth weeping from side of observation hole | > 116 inches | > 102' |
| <input checked="" type="checkbox"/> | Depth to soil mottles | > 116 inches | > 102' |
| <input type="checkbox"/> | Ground water adjustment | feet | > 102' |

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 observed throughout the area proposed for the soil absorption system? ye

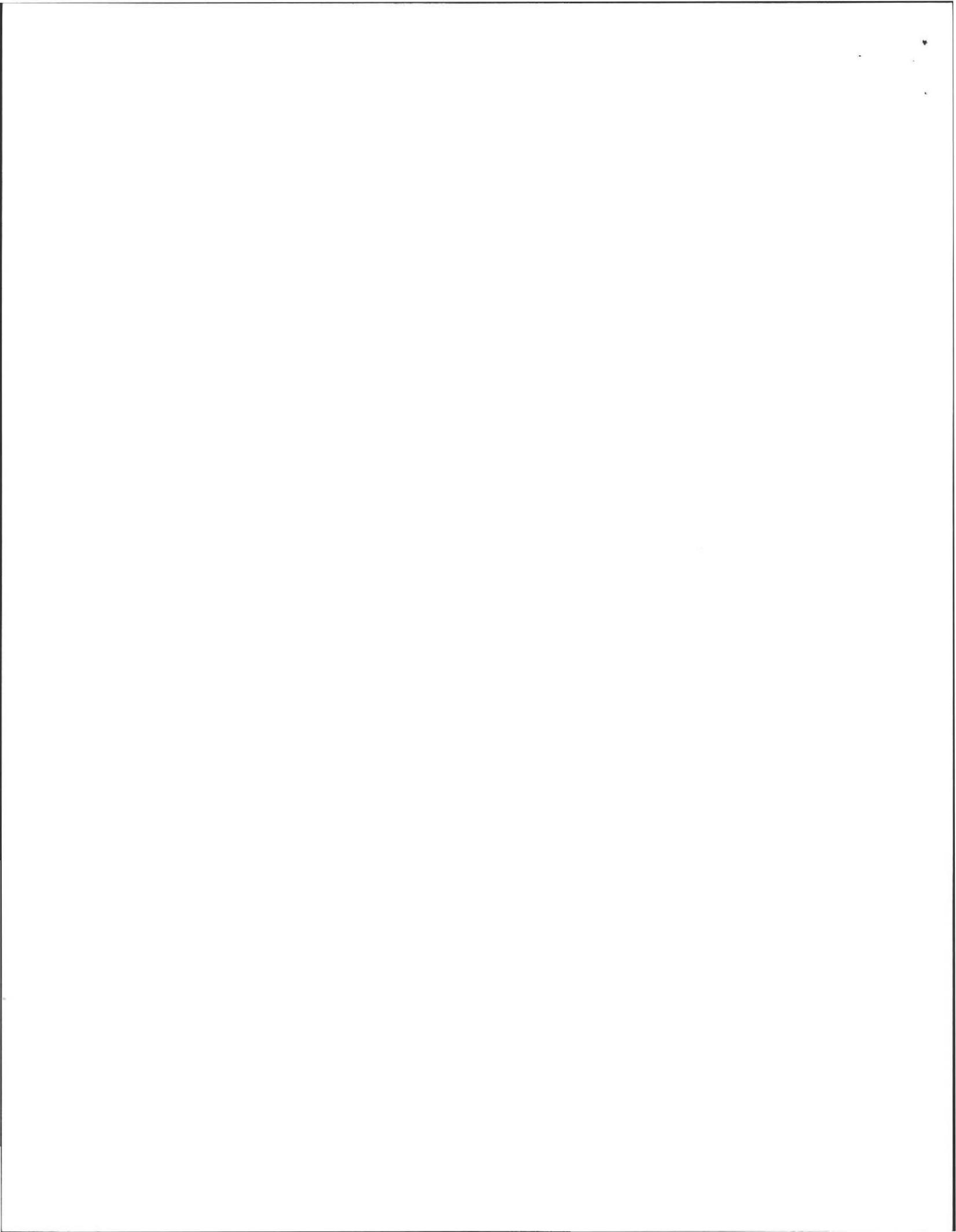
If not, what is the depth of naturally occurring pervious material? _____

Certification

I certify that on 6/1993 (date) I have passed the soil evaluator examir approved by the Department of Environmental Protection and that the above an was performed by me consistent with the required training, expertise and exper described in 310 CMR 15.017.

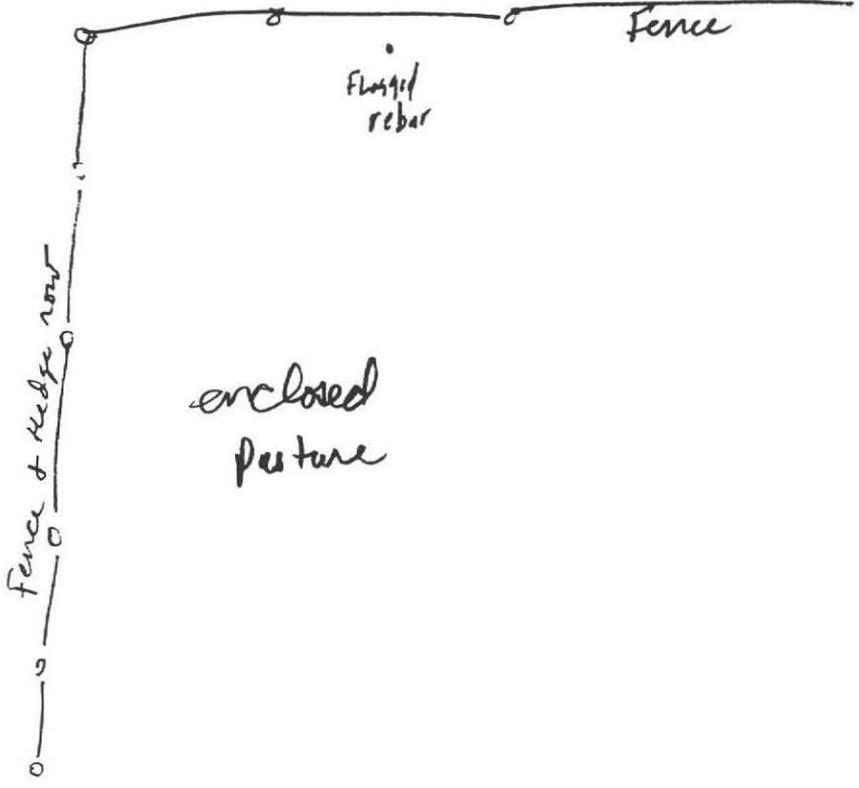
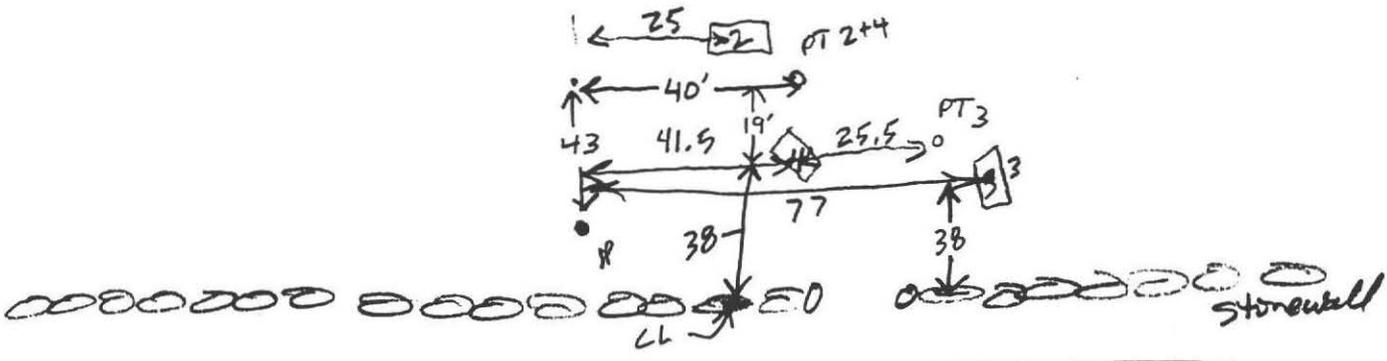
Signature Robert W. Stover Date 4/18/01





IP •

67.0
41.5
<hr/>
25.5

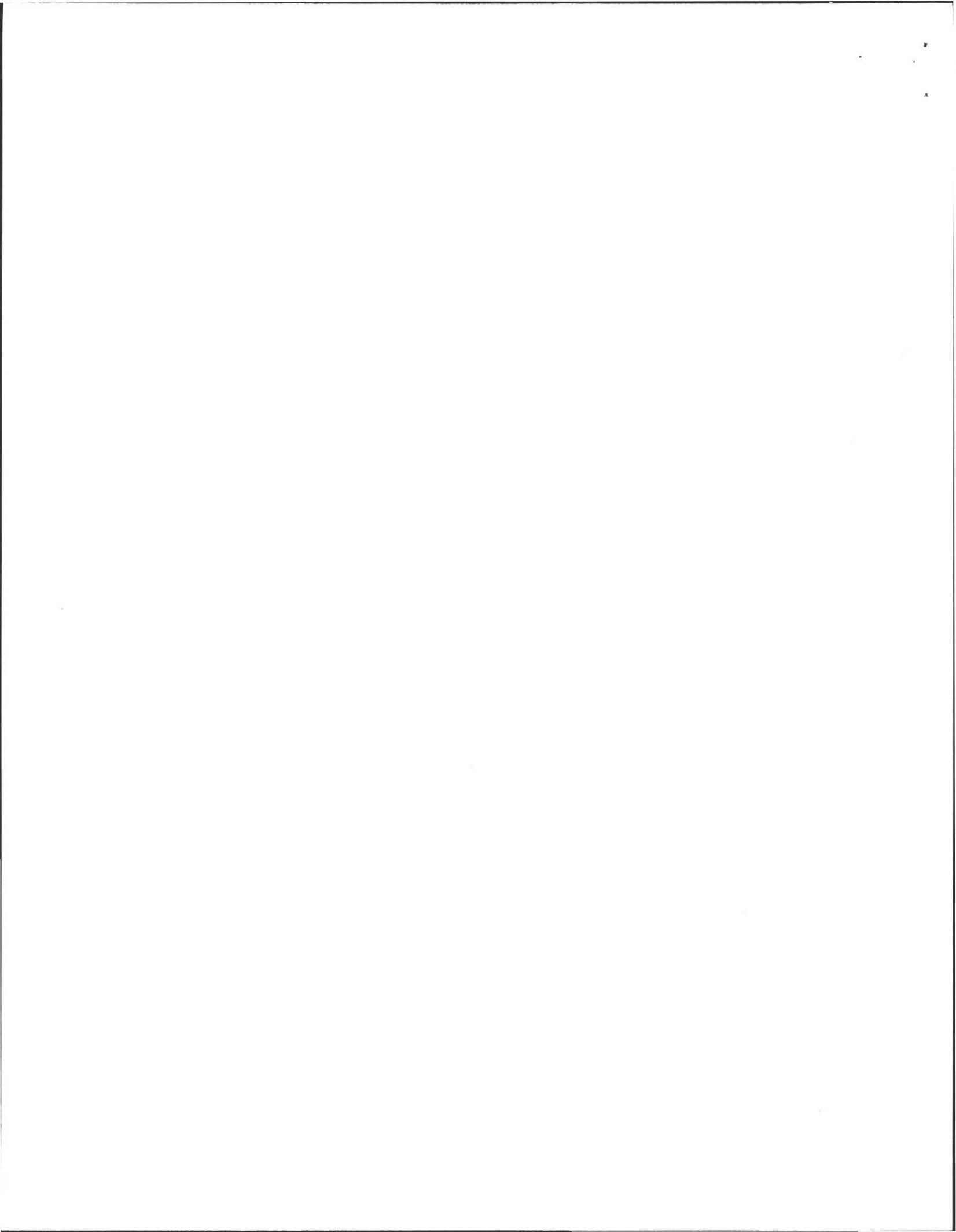


H/c

176

Fence & Hedge row

Flat Hills Rd



3

90

SLOPE

HORIZON

TEXTURE

COLOR

MOTTING

STRUCTURE

0-7" A

FSL

10YR 3M

NONK

FRIABLE

7-28" BW

FSL

7.5YR 4/6

NONK

FRIABLE MASSIVE

28-116" C

FSL

2.5YR 5/4

5YR 3/3 @ 6"

FIRM GRAVELY

DRY "
AT 116

4

SLOPE 6%

HORIZON

TEXTURE

COLOR

0-5" A

5-24" BW

24-102" C

DRY @ "
102

MOTTING

STRUCTURE

SAME #2
as

On-Site Review

Deep Hole Number ① Date: 4/18/01 Time 9:30
 Weather 32°
 Location (identify on site plan) _____
 Land Use LIGHT WOODS Slope (%) 2
 Surface Stone FEW SEVERAL BULDERS
 Vegetation: PINE, MAPLE, HEMLOCK

Landform: TILL HILL

Position on Landscape (sketch on back) _____

Distances from:

Open Water Body 150 feet \pm Drainageway 150 feet \pm
 Possible Wet Ares 150 feet \pm Property Line 25' feet
 Drinking Water Well 100+ feet \neq Other _____

DEEP OBSERVATION HOLE LOG					
depth from surface (inches)	soil horizon	soil texture (USDA)	soil color (Munsell)	soil mottling	other (structure, stones, boulders) Consistency, % gravel
0-5"	A	FSL	7.5YR 3/4	NONE	FRIABLE
5-18"	BW	FSL	10YR 4/6	NONE	FRIABLE MASSIVE
18-112"	C	FSL	2.5Y 5/3	7.5YR 5/8	FIRM MANY GRAVEL

Parent Material (geologic) TILL
 Depth to Bedrock 712"
 Depth to Groundwater:
 Standing Water in the Hole NONE
 Weeping from Pit Face 41" SLIGHT
 Estimated Seasonal High Water 41"

On-Site Review

Deep Hole Number ② Date: 4/18/01 Time 12:00
 Weather 45° MOSTLY CLEAR
 Location (identify on site plan) _____
 Land Use LIGHT WOODS Slope (%) 2
 Surface Stone OCCASIONAL
 Vegetation: WHITE PINE, POPLAR, 3 SPICE BUSH

Landform: TILL HILL

Position on Landscape (sketch on back) _____

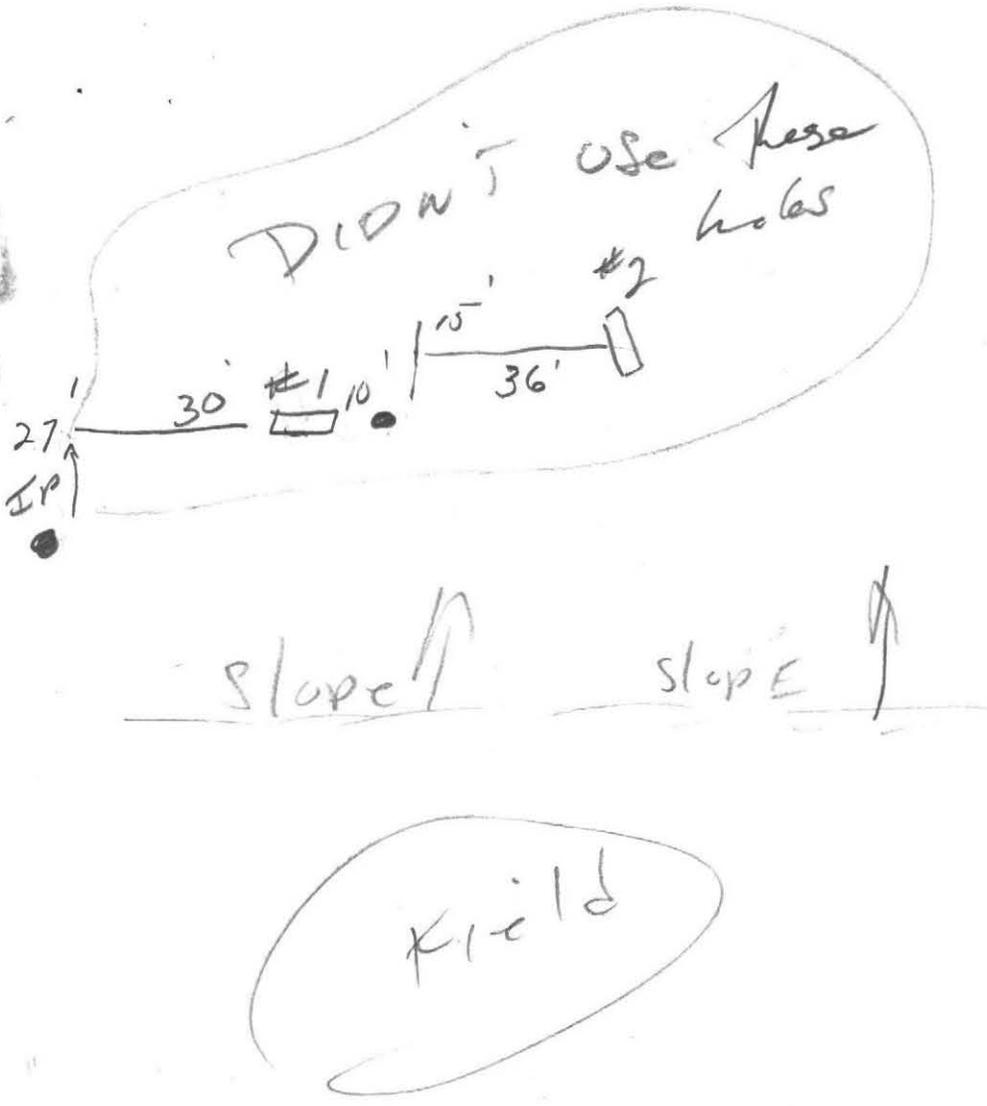
Distances from:

Open Water Body 200 feet \pm Drainageway 100 feet \pm
 Possible Wet Ares 200 feet \pm Property Line 25 feet
 Drinking Water Well 100 feet \pm Other _____

DEEP OBSERVATION HOLE LOG					
depth from surface (inches)	soil horizon	soil texture (USDA)	soil color (Munsell)	soil mottling	other (structure, stones, boulders) Consistency, % gravel
0-8"	A	FSL	10YR 3/4	NONE	FRIABLE
8-24"	BW	FSL	7.5YR 4/6	NONE	FRIABLE + MASSIVE
24-9'	C	FSL	2.5YR 5/4	5YR 3/3 @ 6'	FIRM GRAVELY

Parent Material (geologic) TILL
 Depth to Bedrock 79'
 Depth to Groundwater:
 Standing Water in the Hole NONE
 Weeping from Pit Face SLIGHT @ 6'
 Estimated Seasonal High Water 6'

Perc Test Fee
150.00



FORM 12: Percolation Test
Location Address or Lot # FLAT Hills Road

Commonwealth of Massachusetts
Town of Amherst

PERCOLATION TEST *				
DATE:		4/18/01		
TIME:				
Observation Hole #	①	②	③	4
Depth of Perc	42"	45"	40"	45"
Start Pre-soak	9:30	10:57	11:23	10:57
End Pre-soak	9:45	11:16	11:38	11:16
Time at 12"	9:47	11:16	11:38	11:16
Time at 9"	10:20	11:46	11:57	11:46
Time at 6"	11:20	12:46	12:32	12:46
Time (9"-6")	60min	60min	35min	60min
Rate Min./Inch	20	20	12	20

*Minimum of one percolation test must be performed in both the primary area and reserve area.

Site Passed Site failed

Performed by Bob Stover

Witnessed by David Zarozinski

Comments:

FLAT Hills Road



Commonwealth of Massachusetts

Town of _____

Soil Suitability Assessment : On-Site Sewage DisposalPerformed By: Bob Stora Date: 4/18/01

Witnessed By: _____

Location Address of:
Lot # _____Owner's Name: Carth Shep
Address of: _____
Telephone: _____New Construction Repair **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 Reference Reviewed:

Determination: Seasonal High Water Table**Methods Used:**

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

Index Well No. _____ Reading Date _____ Index Well Level _____
Adjustment factor _____ Adjusted ground water level _____**Depth of Naturally Occurring Previous Material**

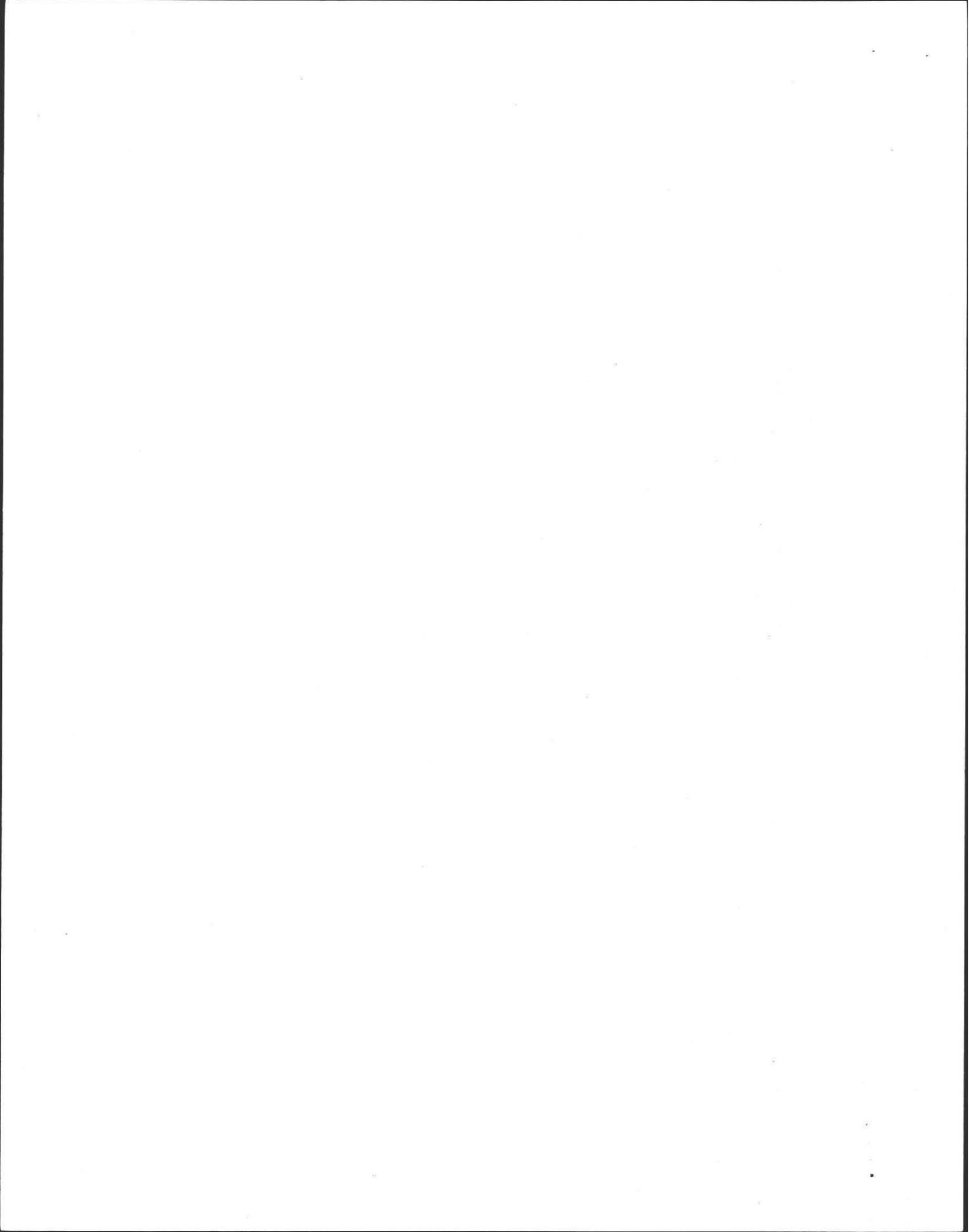
Does at least four feet of naturally occurring previous materials exist in all areas observed throughout the area proposed for this soil absorption system? _____

If not, what is the depth of naturally occurring previous material?
_____**Certification**

I certify that on _____ (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 _____

Date _____



No. _____

Date: 4/18/01

Commonwealth of Massachusetts
Amherst, Massachusetts
Soil Suitability Assessment for On-site Sewage Disposal

Performed By: Robert Stover
Witnessed By: David Zarozinski

Date: 4/18/01

Location Address or Lot # <u>Flat Hills Rd (next to 170 Flat Hills)</u>	Owner's Name, Address, and Telephone # <u>Archie Shepp c/o Bulkley, Richardson & Gelinas 1500 main St. Suite 2700 Springfield, MA 01115</u>
New Construction <input checked="" type="checkbox"/> Repair <input type="checkbox"/>	

Office Review

Published Soil Survey Available: No Yes

Year Published 12/1981 Publication Scale

Drainage Class A 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

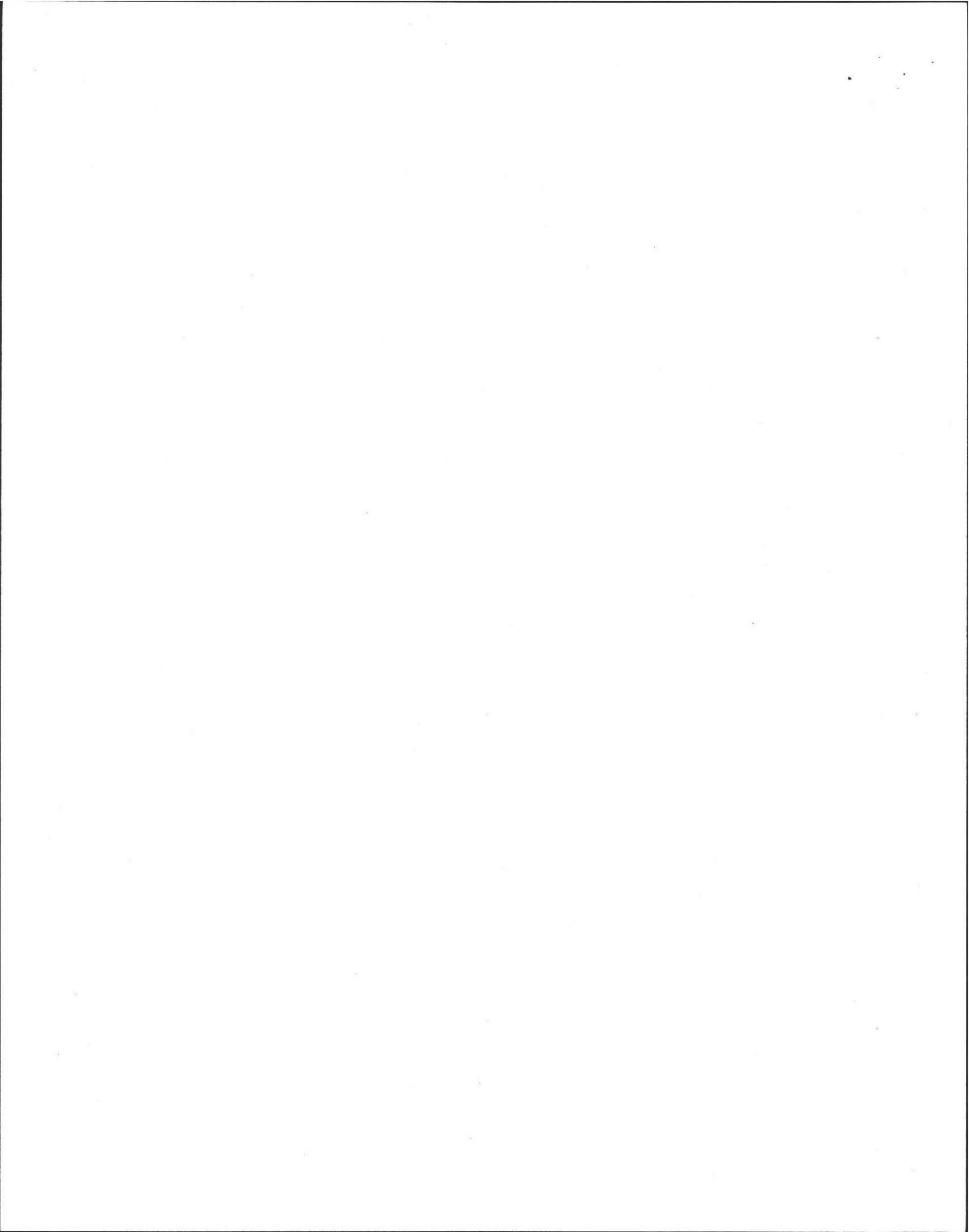
Range : Above Normal Normal Below Normal

Other References Reviewed: _____

1:15840 Soil Map Unit Gx B
poor filter - doesn't apply to
this site - soil encountered
was till.

March 2001





Location Address or Lot No. 5/2pp land on Flat Mills Rd. Amherst

On-site Review

Deep Hole Number 1 Date: 4/18/01 Time: 9:30 Weather 32°-overcast
 Location (identify on site plan) see sketch
 Land Use light woods Slope (%) 2 Surface Stones few - several boulders
 Vegetation white pine, maple (red), hemlock
 Landform Till Hill

Position on landscape (sketch on the back)

Distances from:

Open Water Body 150 feet ± Drainage way 150 feet ±
 Possible Wet Area 150 feet ± Property Line 25' feet
 Drinking Water Well 100 feet ± Other _____

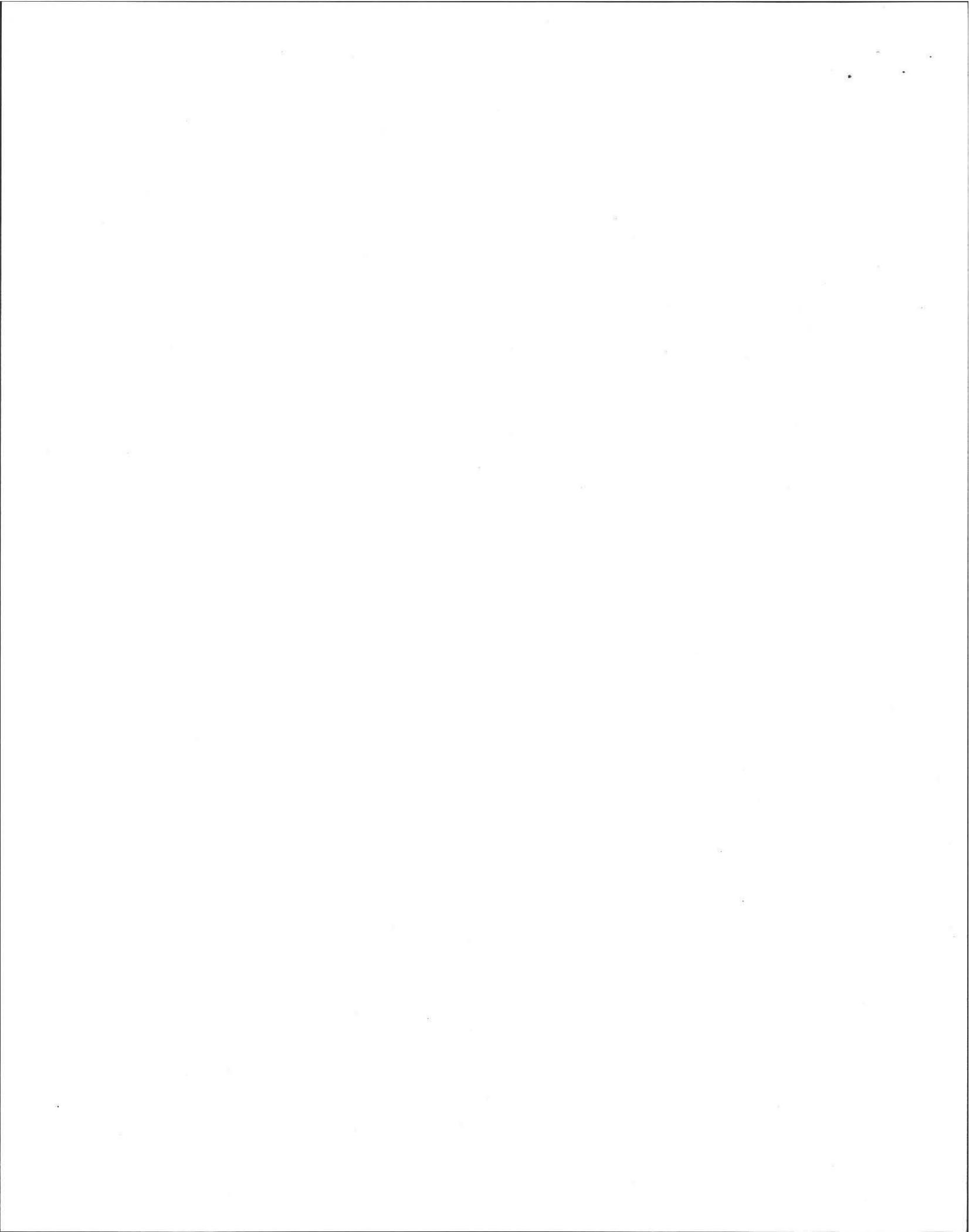
DEEP OBSERVATION HOLE LOG*					
Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
0-5"	A	FSL	7.5YR3/4	none	Friable
5-18"	Bw	FSL	10YR4/6	none	Friable/Massive
18"-112"	C	FSL	2.5Y5/3	7.5YR 5/8 around weathering stones	Firm many gravels

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic) TILL Depth to Bedrock: > 112"
 Depth to Groundwater: Standing Water in the Hole: NONE Weeping from Pit Face: 41" (slight)
 Estimated Seasonal High Ground Water: 41"



This test pit did not meet the requirements of Amherst Health Regs.



FORM 11 - SOIL EVAL.

Location Address or Lot No. Flat Hills Rd.

On-site Review

Deep Hole Number 2 Date: 4/18/01 Time: 12:00 Weather 45° MC cle.
 Location (identify on site plan) see sketch
 Land Use light woods Slope (%) 2 Surface Stones occasional
 Vegetation white pine, poplar 3 spinebush
 Landform Till Hill
 Position on landscape (sketch on the back) 
 Distances from:
 Open Water Body 200 feet + Drainage way 100 feet +
 Possible Wet Area 200 feet ± Property Line 25' feet
 Drinking Water Well 100 feet + Other _____

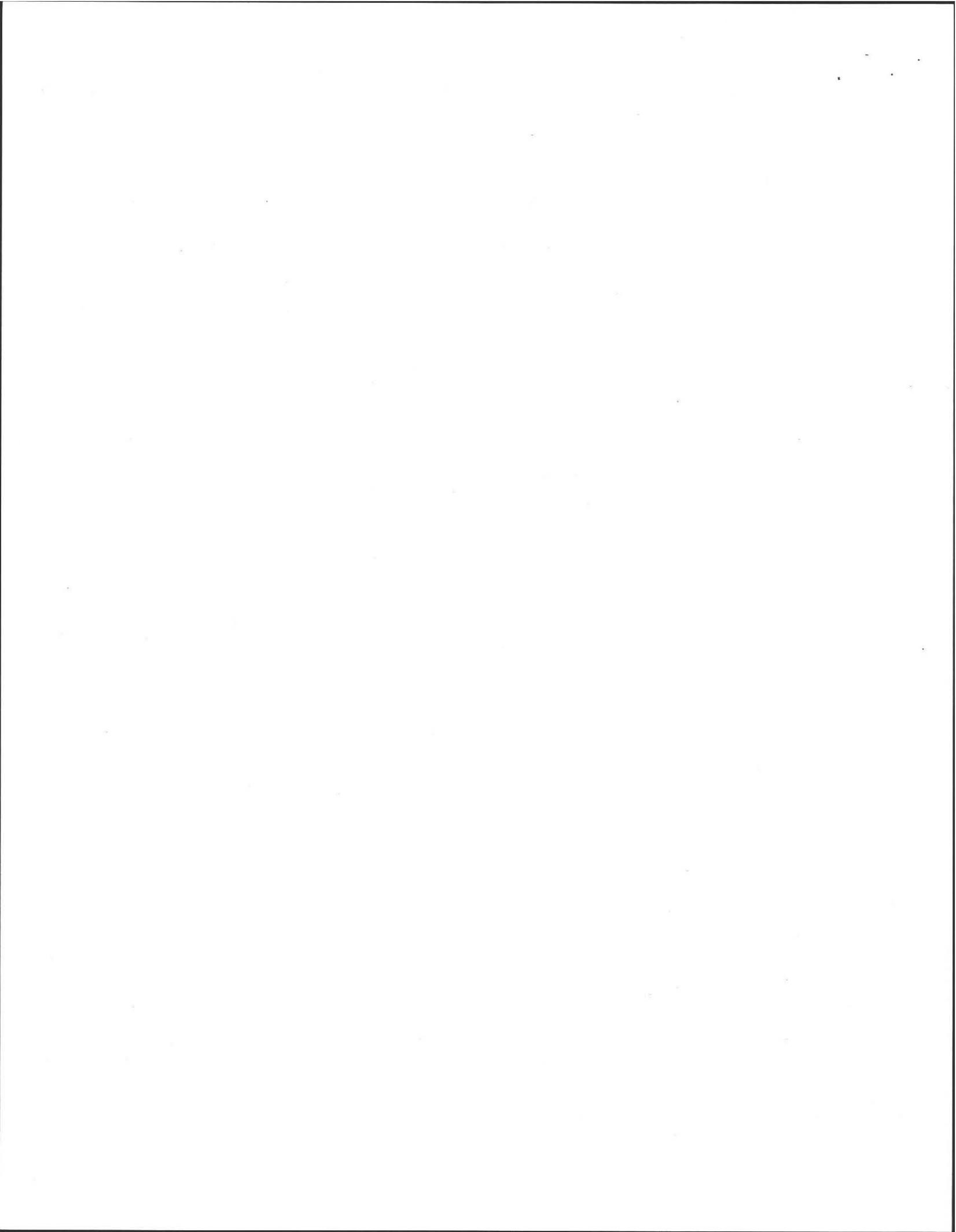
DEEP OBSERVATION HOLE LOG*					
Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
0-8	A	FSL	10YR3/4	none	Friable
8-24	BW	FSL	7.5YR 4/6	none	Friable + massive
24-9'	C	FSL	2.5Y 5/4	5YR 3/3 @6'	Firm - gravelly

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic) Till Depth to Bedrock: >9'
 Depth to Groundwater: Standing Water in the Hole: none Weeping from Pit Face: slight @ 6'
 Estimated Seasonal High Ground Water: 6'



This test pit did not meet the requirements of the Amherst Health regulations.



FORM 11 - SOIL EVALUATOR FORM

Page 2 of 3

Location Address or Lot No. Land on Flat Hills Rd. Amherst
owned by Archie Shepp

On-site Review

Deep Hole Number 3 Date: 4/18/01 Time: 12:00 noon Weather 40° - partly cloudy
 Location (identify on site plan) see sketch
 Land Use light woods Slope (%) 4 Surface Stones occasional - stone walls
 Vegetation white pine, red maple, hemlock
 Landform Till Hill

Position on landscape (sketch on the back)

Distances from:

Open Water Body 150 feet+ Drainage way 150 feet +
 Possible Wet Area 150 feet+ Property Line 60 feet +
 Drinking Water Well 100 feet+ Other _____



DEEP OBSERVATION HOLE LOG*

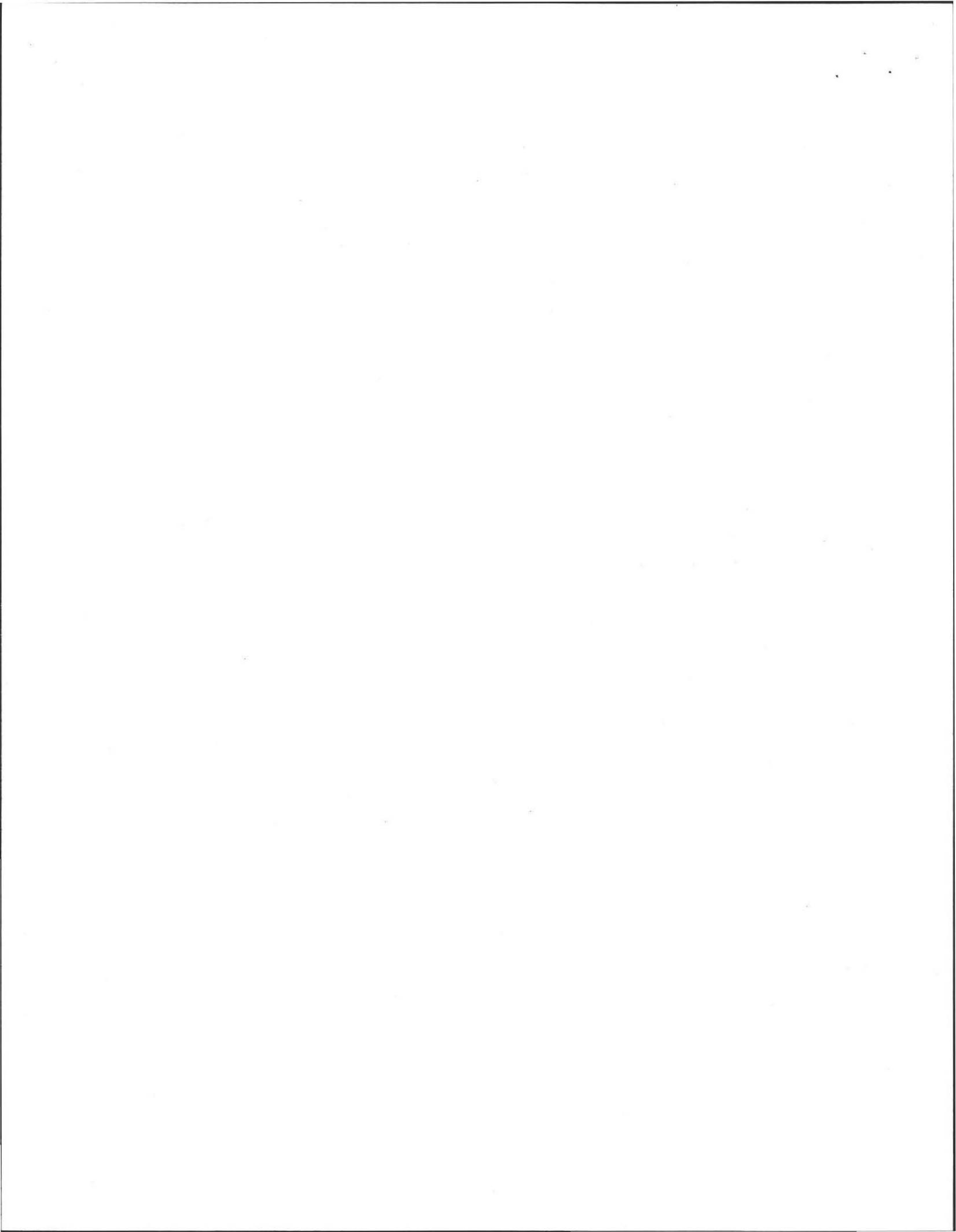
Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
0-7	A	FSL	10YR3/4	none	Friable
5-18	Bw	FSL	7.5YR4/6	none	Friable / Massive
18-112	C	FSL	2.5Y5/4	none	Firm, many gravel small stones

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic) till Depth to Bedrock: >112"
 Depth to Groundwater: Standing Water in the Hole: none Weeping from Pit Face: none
 Estimated Seasonal High Ground Water: 112'



This Test pit meets Amherst Health regulations, as well as the State Septic Sys. code.



Location Address or Lot No. land on Flat Hills Rd., Amherst
owned by Archie Shepp

On-site Review

Deep Hole Number 4 Date: 4/18/01 Time: 12:30 Weather 40° partly cloudy

Location (identify on site plan) see sketch

Land Use light woods Slope (%) 4 Surface Stones occasional - stone walls

Vegetation white pine, red maple, hemlock

Landform till hill

Position on landscape (sketch on the back) Field stone wall

Distances from:

Open Water Body 150 feet + Drainage way 150 feet +
 Possible Wet Area 150 feet + Property Line 40 feet ±
 Drinking Water Well 100 feet + Other

DEEP OBSERVATION HOLE LOG*					
Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
0-5	A	FSL	10YR2.3/4	none	Friable,
5-24	Bw	FSL	7.5YR4.4/6	none	Friable; Massive
24-102	C	FSL	2.5Y5/4	none	Firm with gravel and stones

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

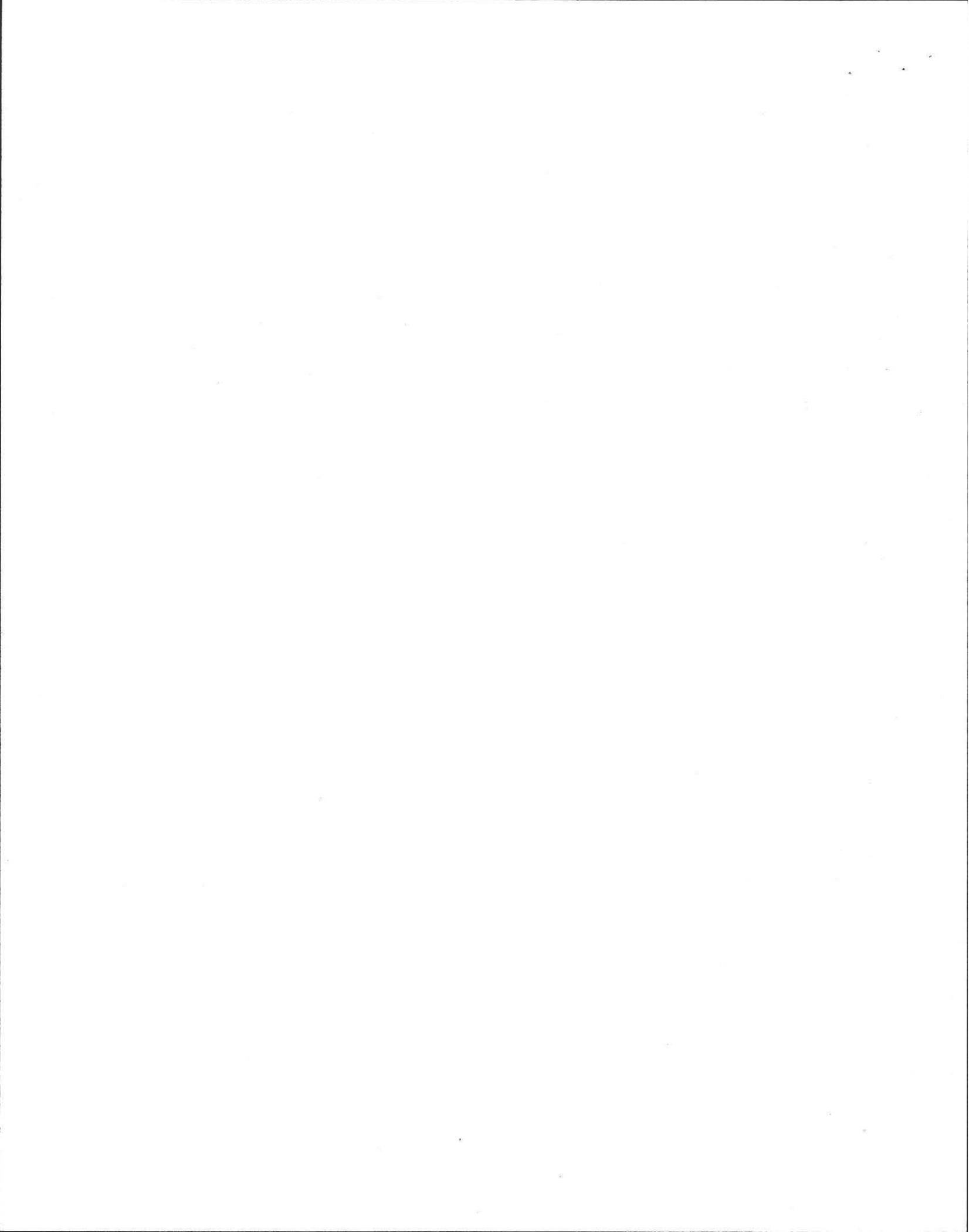
Parent Material (geologic) till Depth to Bedrock: > 102"

Depth to Groundwater: Standing Water in the Hole: none Weeping from Pit Face: none

Estimated Seasonal High Ground Water: 102"



This test meets Amherst Health regulations as well as the state septic sys. code.



Location Address or Lot No. Flat Hills Rd

COMMONWEALTH OF MASSACHUSETTS

Amherst, Massachusetts

Percolation Test*			
Date: <u>4/18/01</u>		Time: <u>9:30 AM</u>	
Observation Hole #	<u>1</u>	<u>2 + 4</u>	<u>3</u>
Depth of Perc	<u>42"</u>	<u>45"</u>	<u>40"</u>
Start Pre-soak	<u>9:30</u>	<u>10:57</u>	<u>11:23</u>
End Pre-soak	<u>9:45</u>	<u>11:16</u>	<u>11:38</u>
Time at 12"	<u>9:47</u>	<u>11:16</u>	<u>11:38</u>
Time at 9"	<u>10:20</u>	<u>11:46</u>	<u>11:57</u>
Time at 6"	<u>11:20</u>	<u>12:46</u>	<u>12:32</u>
Time (9"-6")	<u>60</u>	<u>60</u>	<u>35</u>
Rate Min./Inch	<u>20</u>	<u>20</u>	<u>12</u>

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

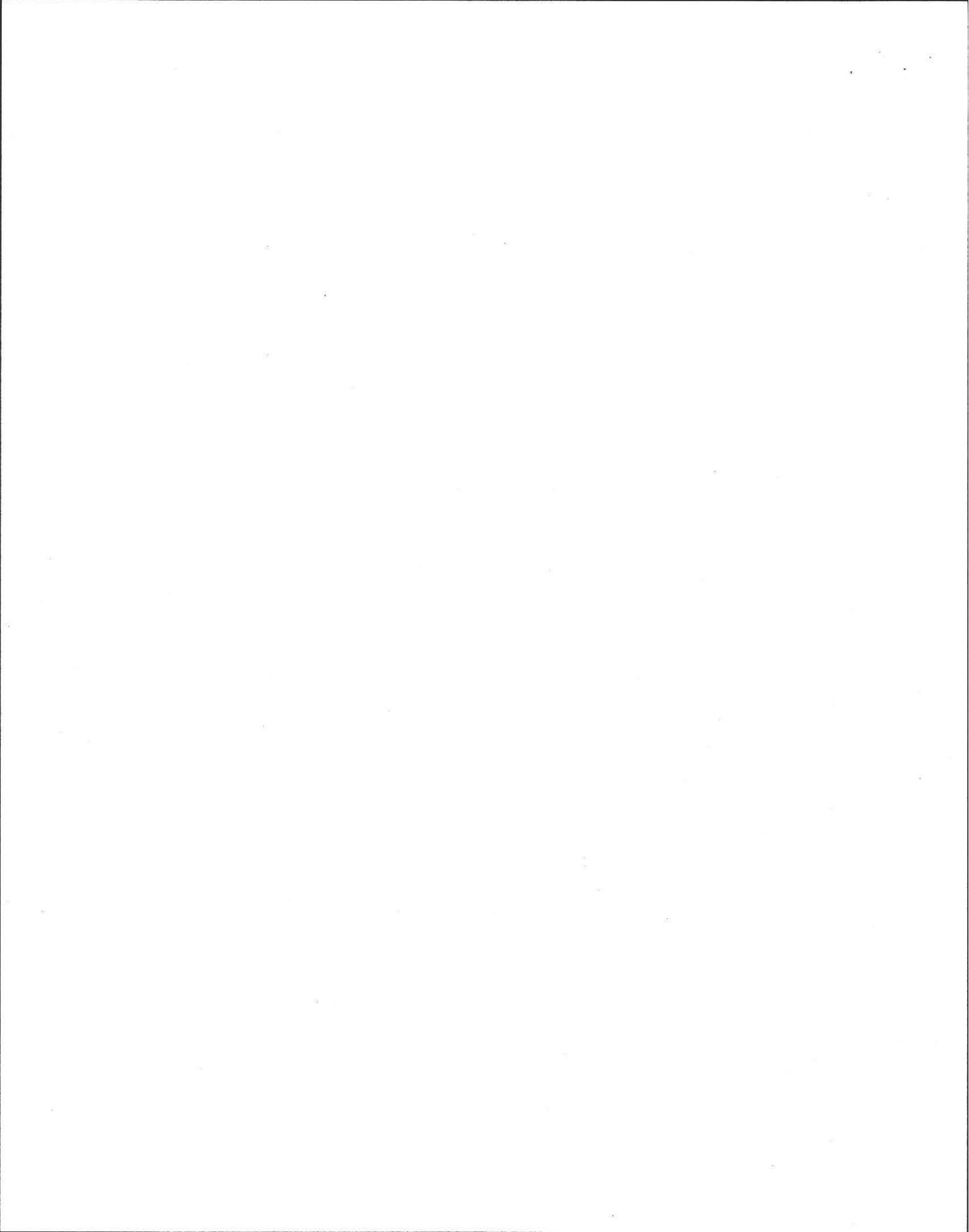
Site Passed Site Failed

Performed By: Robert Stover

Witnessed By: David Zarozinski

Comments: _____





Location Address or Lot No. Shepp Land at Flat Hills Rd.
Amherst, MA

Determination for Seasonal High Water Table

Method Used:

- | | | | |
|-------------------------------------|---|---------------------------------------|---------------------------------|
| <input checked="" type="checkbox"/> | Depth observed standing in observation hole | <u>TP 3</u>
<u>> 116</u> inches | <u>TP 4</u>
<u>> 102"</u> |
| <input checked="" type="checkbox"/> | Depth weeping from side of observation hole | <u>> 116</u> inches | <u>> 102"</u> |
| <input checked="" type="checkbox"/> | Depth to soil mottles | <u>> 116</u> inches | <u>> 102"</u> |
| <input type="checkbox"/> | Ground water adjustment | feet | <u>> 102"</u> |

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

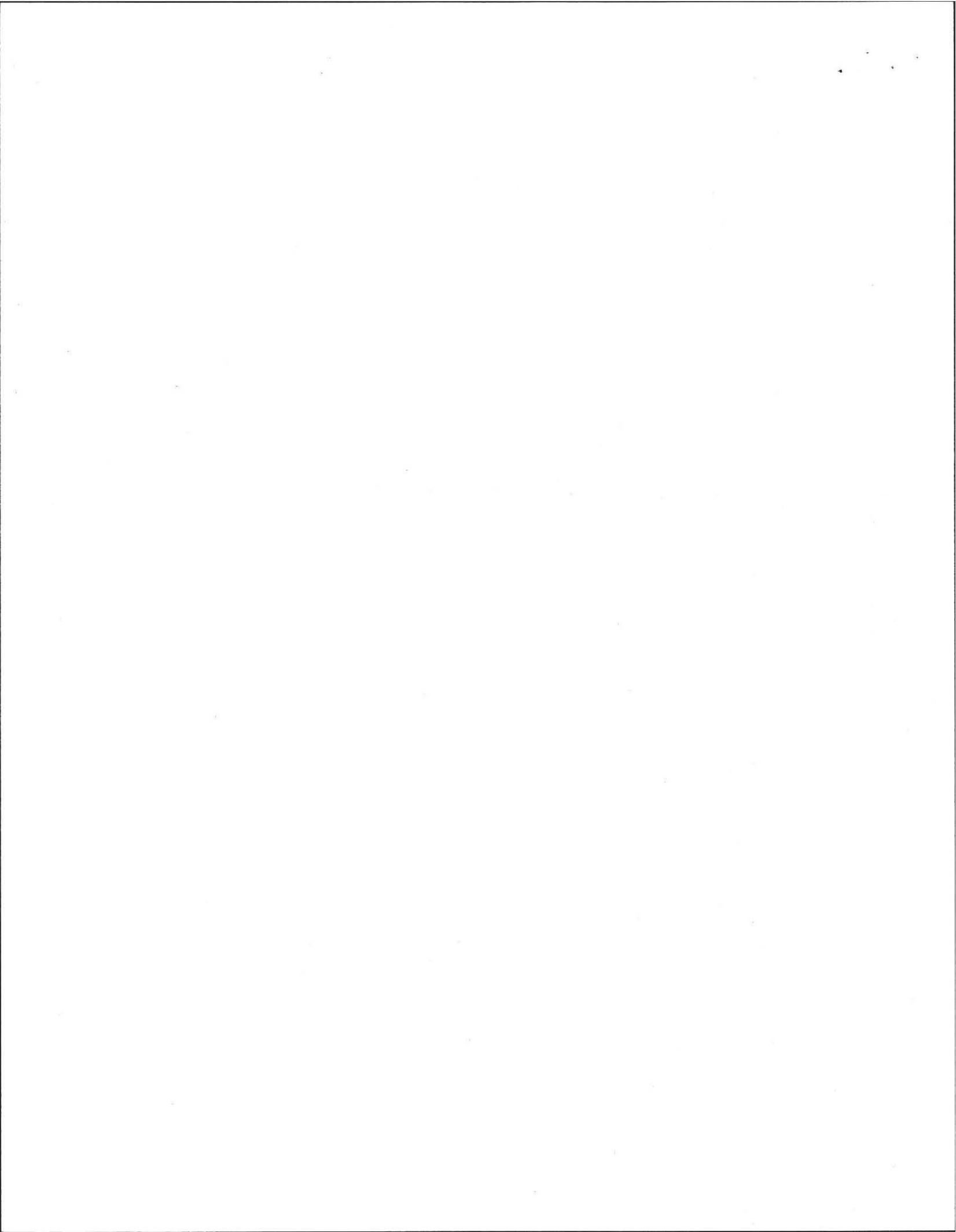
If not, what is the depth of naturally occurring pervious material? _____

Certification

I certify that on 6/1993 (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.

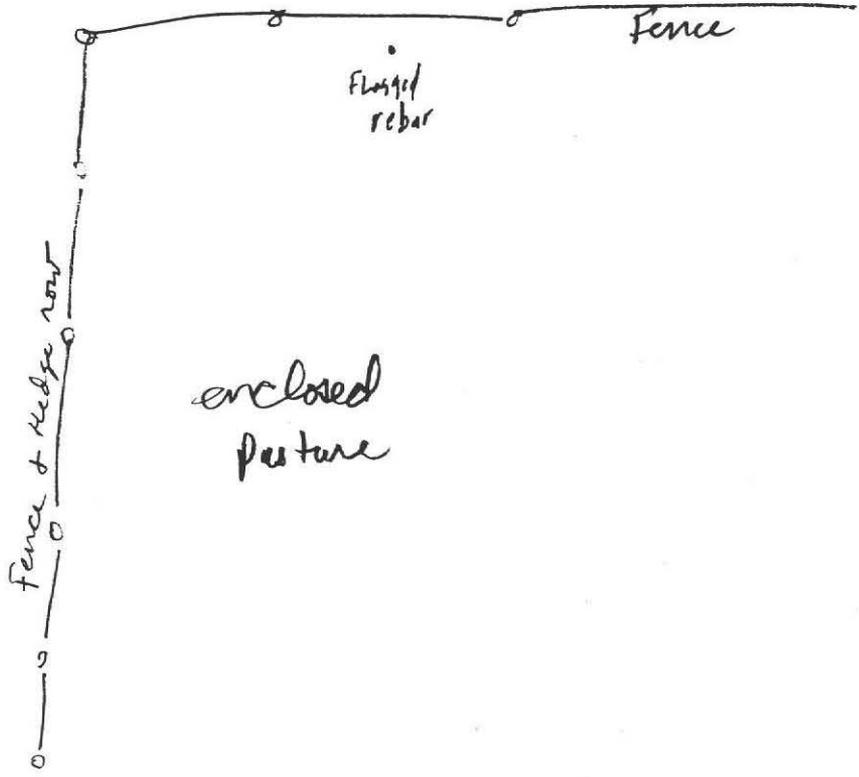
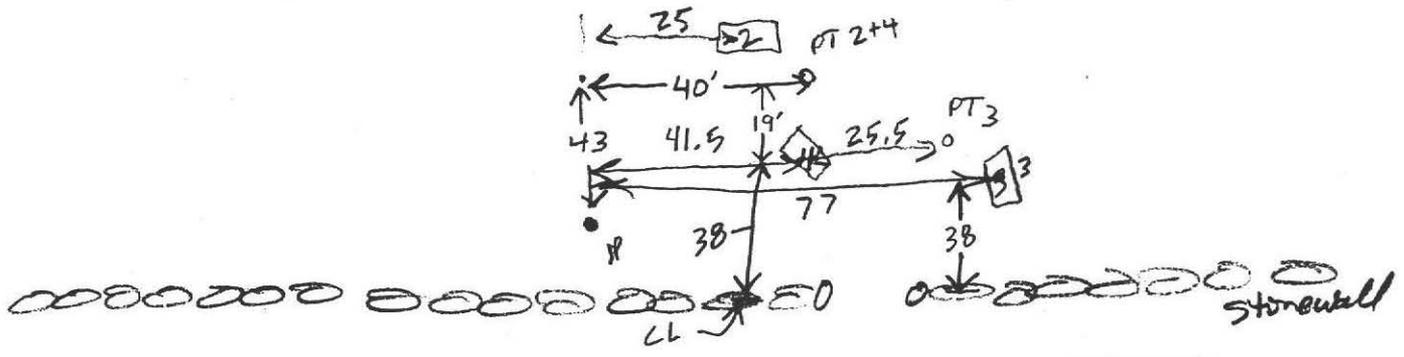
Signature Robert W. Stever Date 4/18/01





IP •

67.0
41.5
<hr/>
25.5



Hsc

176

enclosed
pasture

Flat Hills Rd

