

316 Station Road

*Robert Bellamy*  
59 Southheat St

**Smead**

No 153L

HASTINGS, MN  
LOS ANGELES-CHICAGO-LOGAN, OH  
MCGREGOR, TX-LOCUST GROVE, GA  
U.S.A.

No. \_\_\_\_\_

Date: \_\_\_\_\_

Commonwealth of Massachusetts  
 , Massachusetts

Soil Suitability Assessment for On-site Sewage Disposal

Performed By: *Fred Filios*  
 Witnessed By: *David Zorazinski*



Date: *4-17-97*

Location Address or Lot # <i>376 Station Rd.</i>	Owner's Name: <i>Jeremy + Jan Klaesner</i> Address: and <i>108 Shea St.</i> Telephone # <i>Amherst MA. 01002</i>
New Construction <input type="checkbox"/> Repair <input checked="" type="checkbox"/>	

Office Review

*Excavator - Quabbin Forest Products*

Published Soil Survey Available: No  Yes

Year Published *1981* Publication Scale *1:15840* Soil Map Unit *HgD*

Drainage Class Soil Limitations *Excessively Drained*

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)

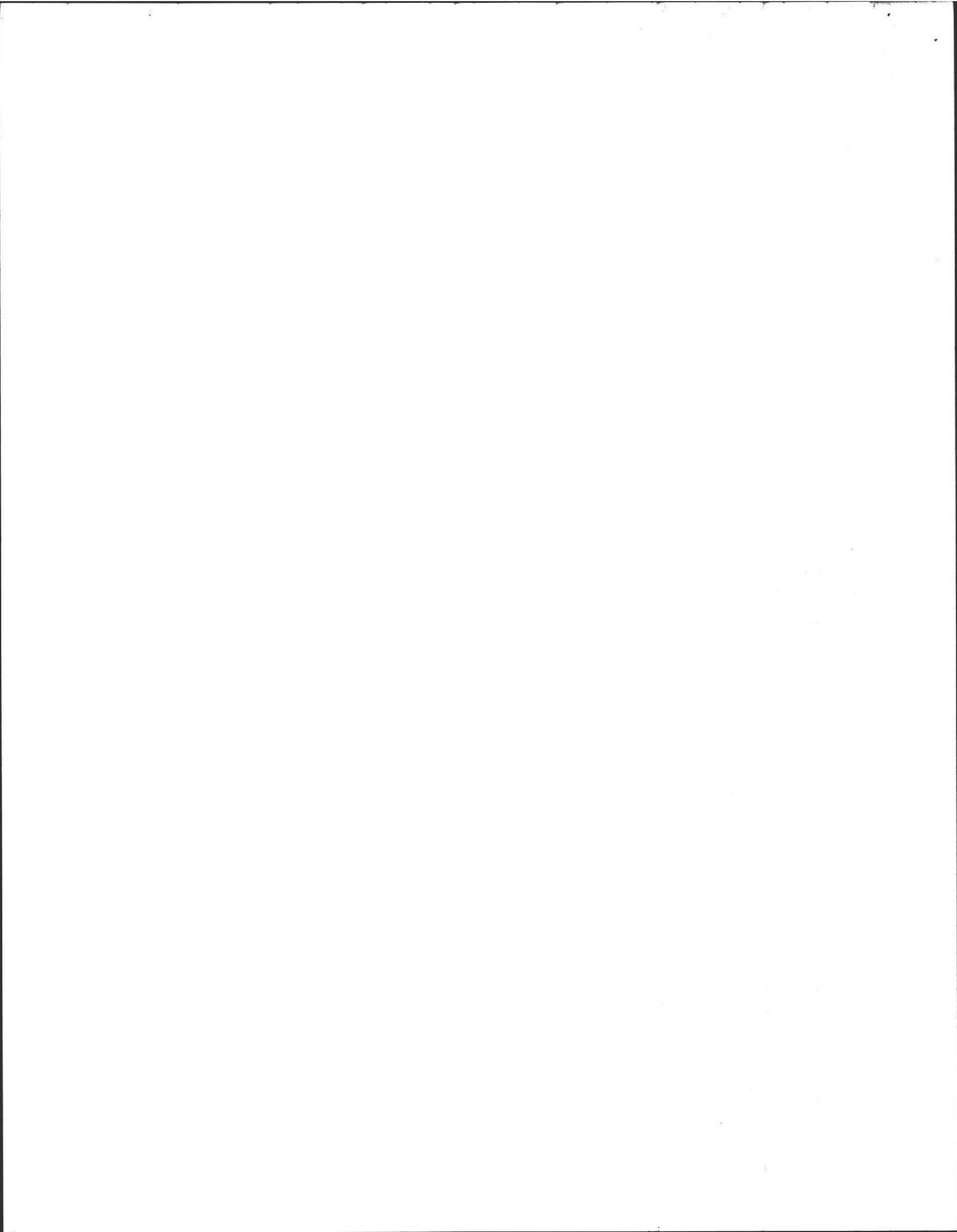
Current Water Resource Conditions (USGS): Month

Range : Above Normal  Normal  Below Normal

Other References Reviewed: \_\_\_\_\_



*Rec.  
5-19-97*



Location Address or Lot No. 376 Station Road

**On-site Review**

Deep Hole Number I Date: 4/17/97 Time: 10:00 Weather cldy  
 Location (identify on site plan) See Map light rain  
 Land Use Cleared Slope (%) 4% Surface Stones no  
 Vegetation Stumps  
 Landform Terrace scarp

Position on landscape (sketch on the back)

Distances from:

Open Water Body 200 + feet <sup>brook</sup> Drainage way 100 + feet  
 Possible Wet Area 100 + feet Property Line 30 feet  
 Drinking Water Well 200 + feet Other \_\_\_\_\_

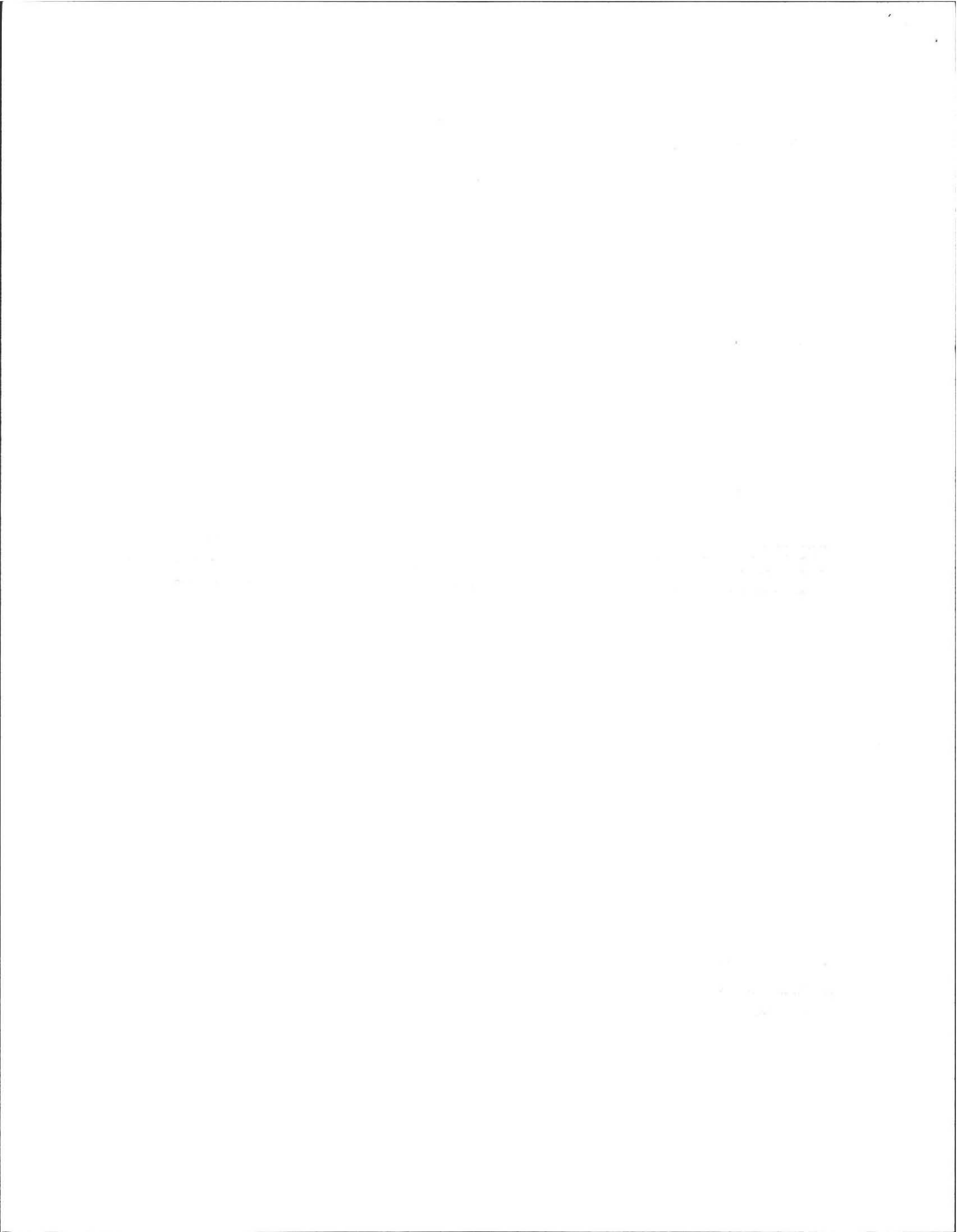


DEEP OBSERVATION HOLE LOG*					
Depth from Surface (inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
0 - 8"	A <sub>p</sub>	SL	10YR 4/3	—	friable
8 - 18"	B <sub>w</sub>	SL	7.5YR 5/6	—	friable
18 - 120"	C	Coarse Sand	10YR 6/4	—	Loose - stratified 5% fine gravel

\* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic) cat wash Depth to Bedrock: none  
 Depth to Groundwater: Standing Water in the Hole: none Weeping from Pit Face: none  
 Estimated Seasonal High Ground Water: > 120"





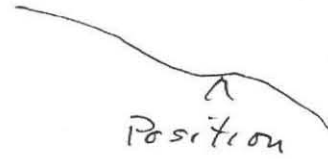
Location Address or Lot No. 376 Station Road.

On-site Review

Deep Hole Number 2 Date: 4/17/97 Time: 10:00 Weather cldy  
 Location (identify on site plan) See plan  
 Land Use Cleared Slope (%) 4 Surface Stones none  
 Vegetation Stumps  
 Landform Terrace Scarp  
 Position on landscape (sketch on the back)

Distances from:

Open Water Body 200+ feet <sup>brook</sup> Drainage way 100+ feet  
 Possible Wet Area 100+ feet Property Line 50' feet  
 Drinking Water Well 200+ feet Other



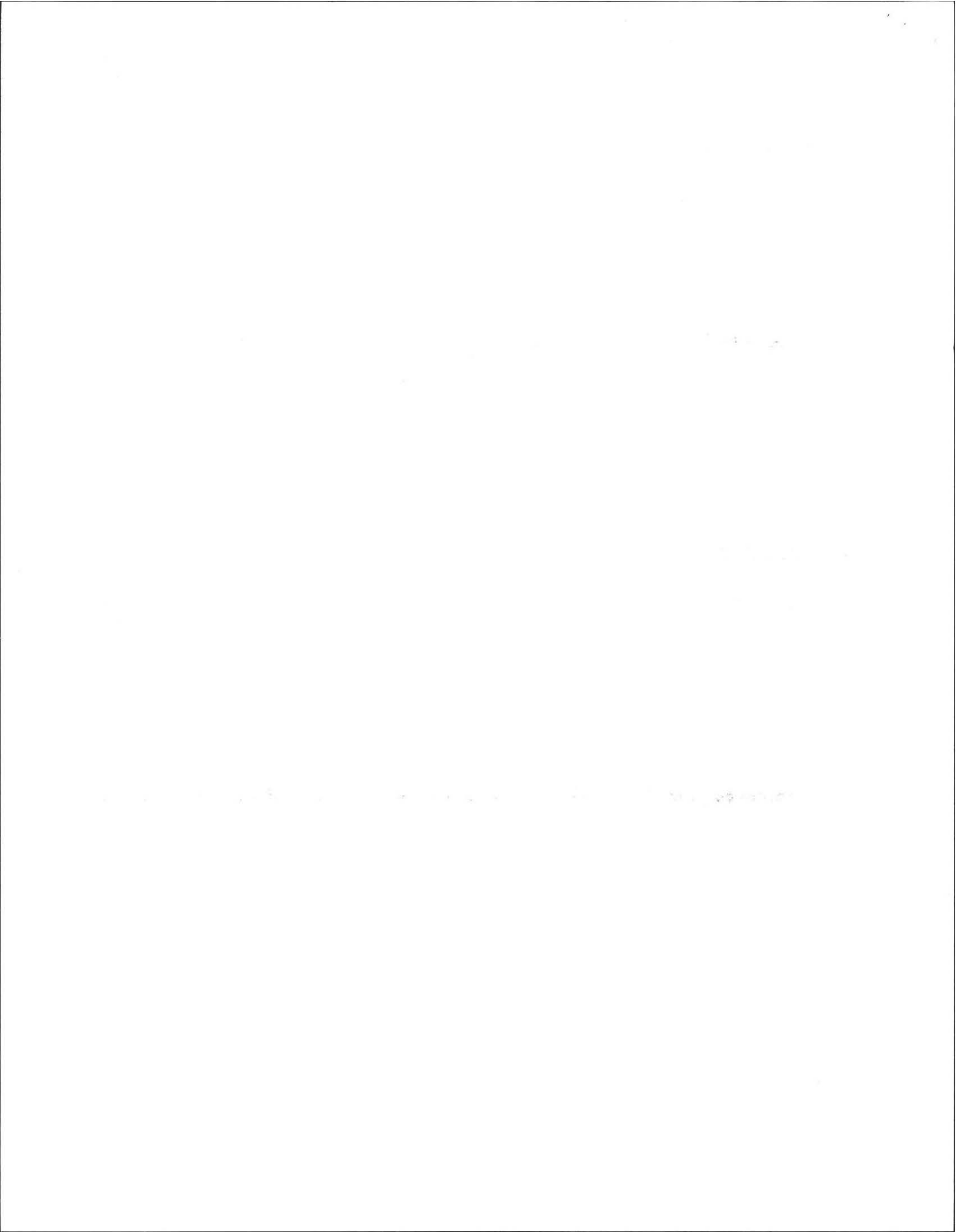
**DEEP OBSERVATION HOLE LOG\***

Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
0-7"	A <sub>p</sub>	SL	10YR 3/3	—	friable
7-24"	B <sub>w</sub>	SL	7.5YR 5/4	—	friable
24-130"	C	Sand	10YR 6/3	—	Stratified- Loose 20% gravel in some layers

\* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic) glacial outwash Depth to Bedrock: none  
 Depth to Groundwater: Standing Water in the Hole: none Weeping from Pit Face: none  
 Estimated Seasonal High Ground Water: > 130"







Location Address or Lot No. 376 Station RoadDetermination for Seasonal High Water TableMethod 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 Number                      Reading Date                      Index well level

Adjustment factor                      Adjusted ground water level

Depth of Naturally Occurring Pervious MaterialDoes 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 Ludwika Sliwa Date 4/17/97

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## 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 ..... inches
- Ground water adjustment ..... feet

Index Well Number ..... Reading Date ..... Index well level .....

Adjustment factor ..... Adjusted ground water level .....

<b>Percolation Test</b>		
Date: <u>4/17/97</u>		Time: <u>10:00</u>
Observation Hole #	1	2
Depth of Perc	50"	54"
Start Pre-soak	10:38	11:00
End Pre-soak		
Time at 12"	<i>Will not</i>	<i>Will not</i>
Time at 9"	<i>hold</i>	<i>not</i>
Time at 6"	<i>Water</i>	<i>Hold</i>
Time (9"-6")		<i>Water</i>
Rate Min./Inch	<i>1" in 26 Sec.</i>	<i>&lt; 2 min/inch</i>

Site Suitability Assessment:    Site Passed     Site Failed

Additional Testing Needed: \_\_\_\_\_

Performed By: Fred Filios

Certification Number: 688

Witnessed By: David Zarazinski

Comments: \_\_\_\_\_

