

368 SHAY STREET
FRED MYERS





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)

PERC

368 Shay's Rd.

Date: 4/6/2010

Commonwealth of Massachusetts
Amherst, Massachusetts

Soil Suitability Assessment for On-site Sewage Disposal

Performed By: *A. Weiss*
Witnessed By: *G. Courtance*
Map 20D, LOT 17

Date: 4/6/2010

c/o Chris Lorenzo, Bonizo Corp

<p>Location Address or Lot # <i>Shays St, Myers Lot 53,000 SF LOT SOUTH OF #368</i></p>	<p>Owner's Name, Address, and Telephone # <i>Fred Myers 4368 Shays St Amherst, MA 01002</i></p>
<p>New Construction <input checked="" type="checkbox"/> Repair <input type="checkbox"/></p>	

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) _____

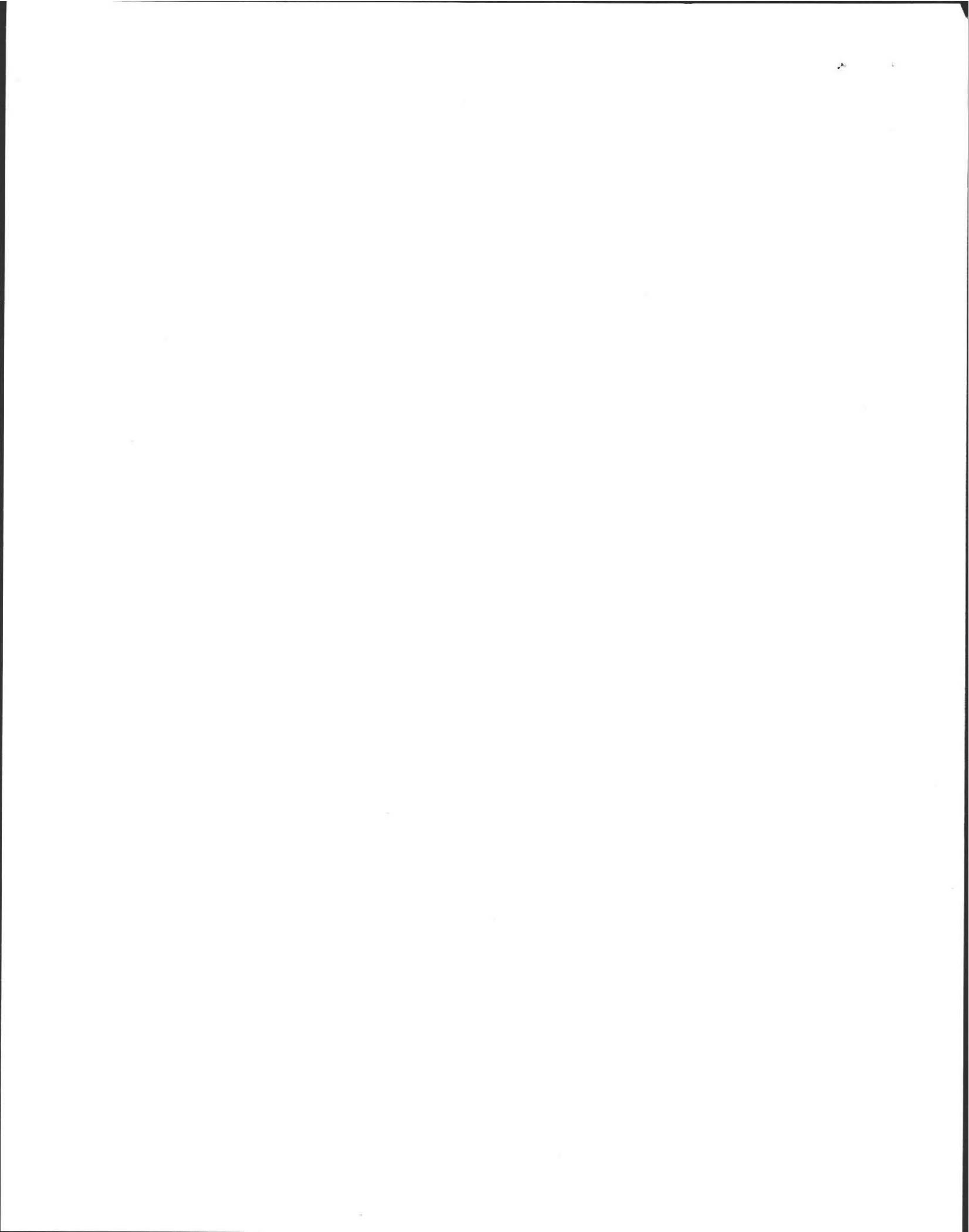
Wetlands Conservancy Program Map (map unit) _____

Current Water Resource Conditions (USGS): Month _____

Range: Above Normal Normal Below Normal

Other References Reviewed: _____





Location Address or Lot No. 368 Shays ST. (LOT)

On-site Review

Deep Hole Number 1-4 Date: 4/6/200 Time: 9:00 AM Weather CLOUDS 60°

Location (identify on site plan) _____

Land Use Rural wooded lot Slope (%) 2-3 Surface Stones yes (TOP OF HILL)

Vegetation Mixed Deciduous

Landform Terraced

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 25' feet
Drinking Water Well 100' feet Other _____

DEEP OBSERVATION HOLE LOG

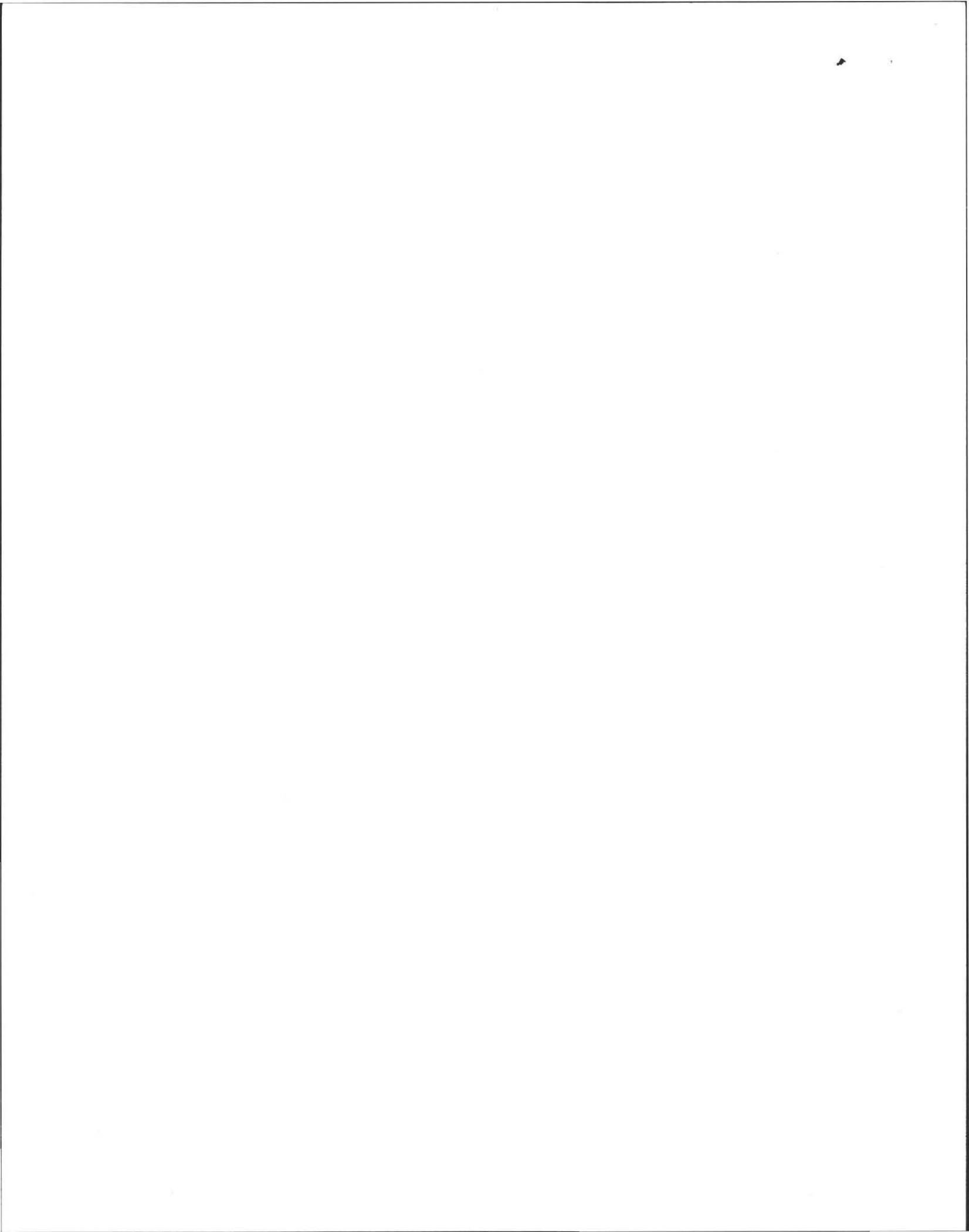
Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
#1 0-12" 12"-26" 26"-108"	A	FSC	10YR 3/3		- friable
	B _w	LS	10YR 4/6	32"	- friable loose
	C ₁	LS	2.5Y 4/6	2.5Y 4/1 10YR 6/8	F.M. Sand, mostly loose-messy Abaka till. 10% stones
#2 0-12" 12"-28" 28"-110"	A	FSC	10YR 3/3		- friable
	B _w	LS	10YR 4/6	32"	- friable loose
	C ₁	LS	2.5Y 4/2	10YR 6/8	F.M. Sand - Loose, Abaka till 10% stones
#3 0-12" 12"-28" 28"-96"	A	FSC	10YR 3/3		- friable
	B _w	LS	10YR 4/6	34"	- friable
	C ₁	LS	2.5Y 4/3		- F.M. Sand, loose-messy Abaka till.
#4 0-12" 12"-26" 26"-98"	A	FSC	10YR 3/2		- friable
	B _w	LS	10YR 4/6	34"	- F.M. Sand, loose-messy 10% stones
	C ₁	LS	2.5Y 4/3		

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic) Abaka till Depth to Bedrock: 96-110"
Depth to Groundwater: Standing Water in the Hole: 78 (1+2) Weeping from Pit Face: 60 (1+2) NOT (3+4)
Estimated Seasonal High Ground Water: 32-34"



DEP APPROVED FORM - 12/17/95



Location Address or Lot No. 368 Shays ST

COMMONWEALTH OF MASSACHUSETTS
Amherst, Massachusetts

Percolation Test*		
Date: <u>4/6/200</u>		Time: <u>9:00</u>
Observation Hole #	<u>P₁</u>	<u>P₂</u>
Depth of Perc	<u>44"</u>	<u>45"</u>
Start Pre-soak	<u>9:13</u>	<u>9:33</u>
End Pre-soak	<u>9:28</u>	<u>9:48</u>
Time at 12"	<u>9:28</u>	<u>9:48</u>
Time at 9"	<u>9:38</u>	<u>9:54</u>
Time at 6"	<u>9:53</u>	<u>10:08</u>
Time (9"-6")	<u>15 min</u>	<u>12</u>
Rate Min./Inch	<u>5 $\frac{min}{in}$</u>	<u>4 $\frac{min}{in}$</u>

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

Site Passed Site Failed

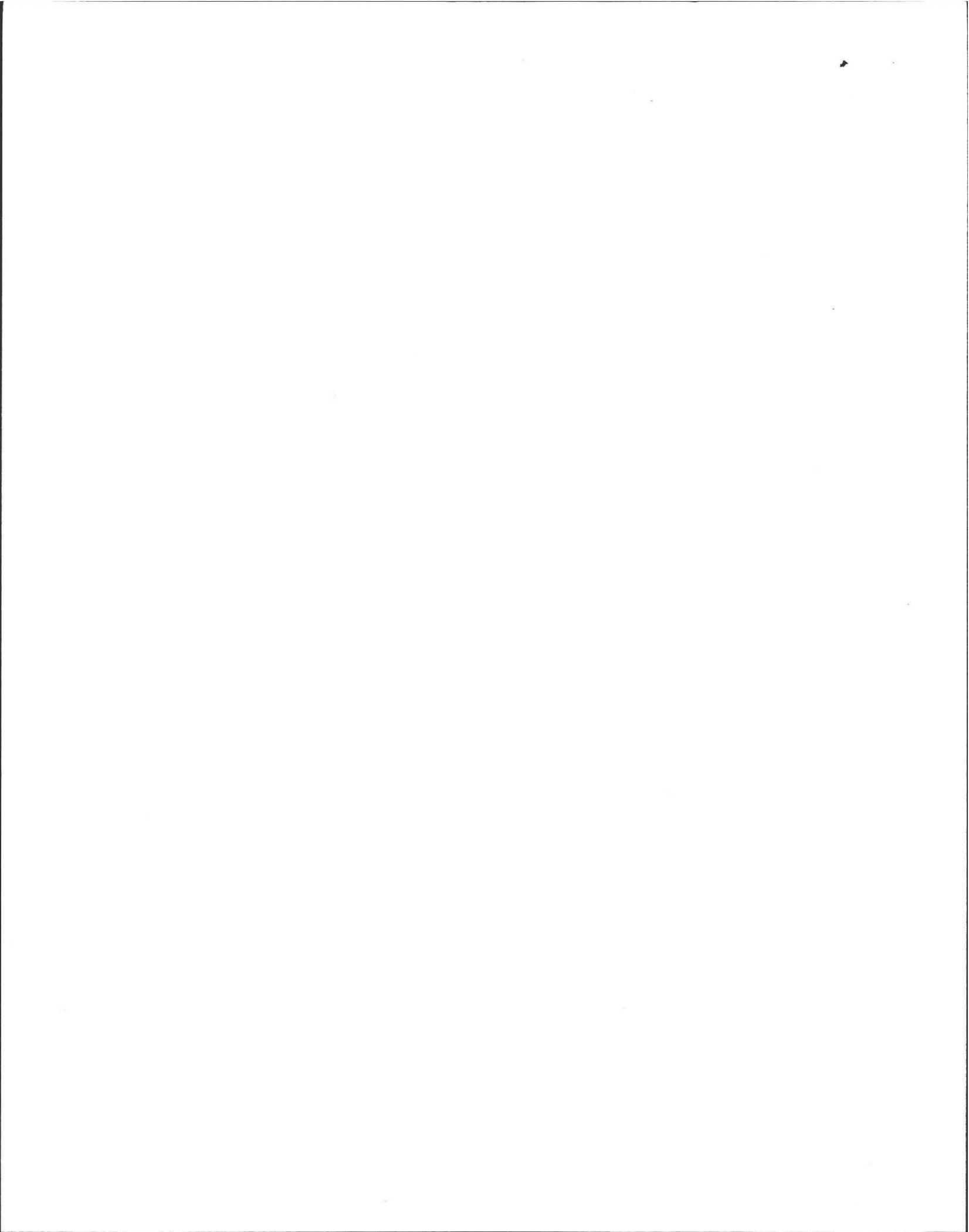
Performed By: A. Weiss

Witnessed By: G. Cartmidge

Comments: _____



DEP APPROVED FORM - 12/07/95



Location Address or Lot No. 368 (LOT) Shays 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 32 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

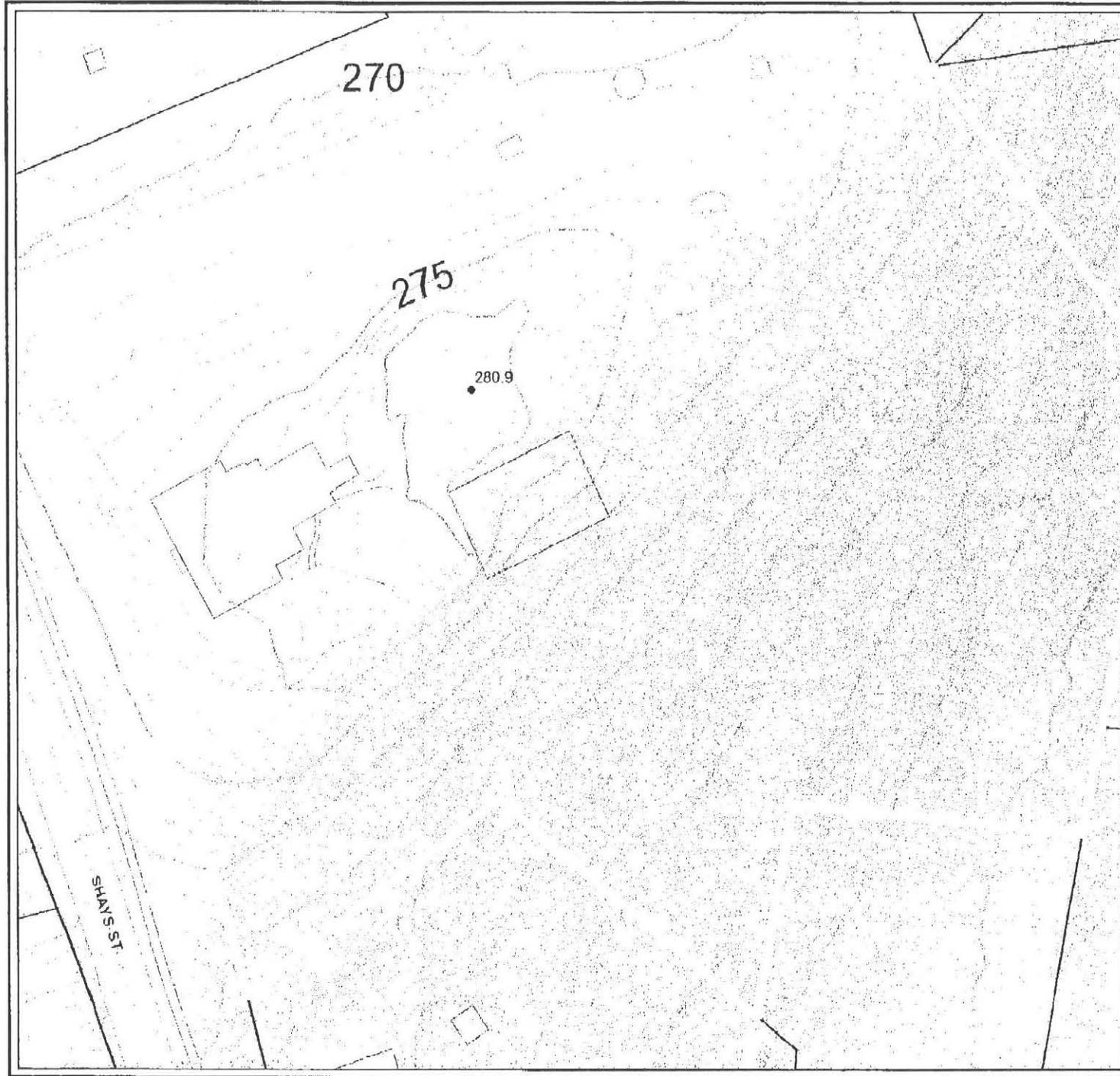
I certify that on 6/95 (date) I have passed the soil evaluator examination approved by the Department of Environmental Protection and that the above analysis was performed by me consistent with the required training, expertise and experience described in 310 CMR 15.017.

Signature [Signature] Date 4/6/2010



DEP APPROVED FORM - 12/07/95





- | | |
|---------------------------|--------------------------|
| Property Map | Driveways |
| - Property Lines | Driveway Paved |
| - Property Line | Driveway Unpaved |
| - Hydrographic Property | Sidewalks |
| - Right of Way Line | Transportation |
| - Town Boundary | Paved street polygons |
| - Easements | Unpaved street polyg |
| Topography | Bridges |
| * Elevations | Bridge decking and str |
| Elevation Contours | Foot Bridge |
| Intermediate | Rail Bridge |
| - Index | Streets |
| Basemap | - Local Roads |
| - Trails | - Major Roads |
| - Rail Lines | - State Routes |
| Structures | MHD Roads |
| - Building | - Limited Access Highw |
| - Foundation or in const. | - Multi-lane Hwy, not li |
| - Outbuilding or Miscell | - Other Numbered High |
| - Deck, Porch, Stairs or | - Major Road, Collector |
| - Mobile home, Trailer | - Minor Road, Arterial |
| - Swimming Pool | |
| - Building Ruins | |
| - Water storage tank | |
| Rivers and Streams | |
| Streams | |
| Major Culverts | |
| Hydro Connector | |
| - Headwalls, Floodwalls | |
| Water Bodies | |
| - Dams | |
| - Rivers, Ponds & Rese | |
| - Retention ponds/Flo | |
| - Wetland | |
| - Forested Wetland | |
| Parking | |
| - Parking Paved | |
| - Parking Unpaved | |

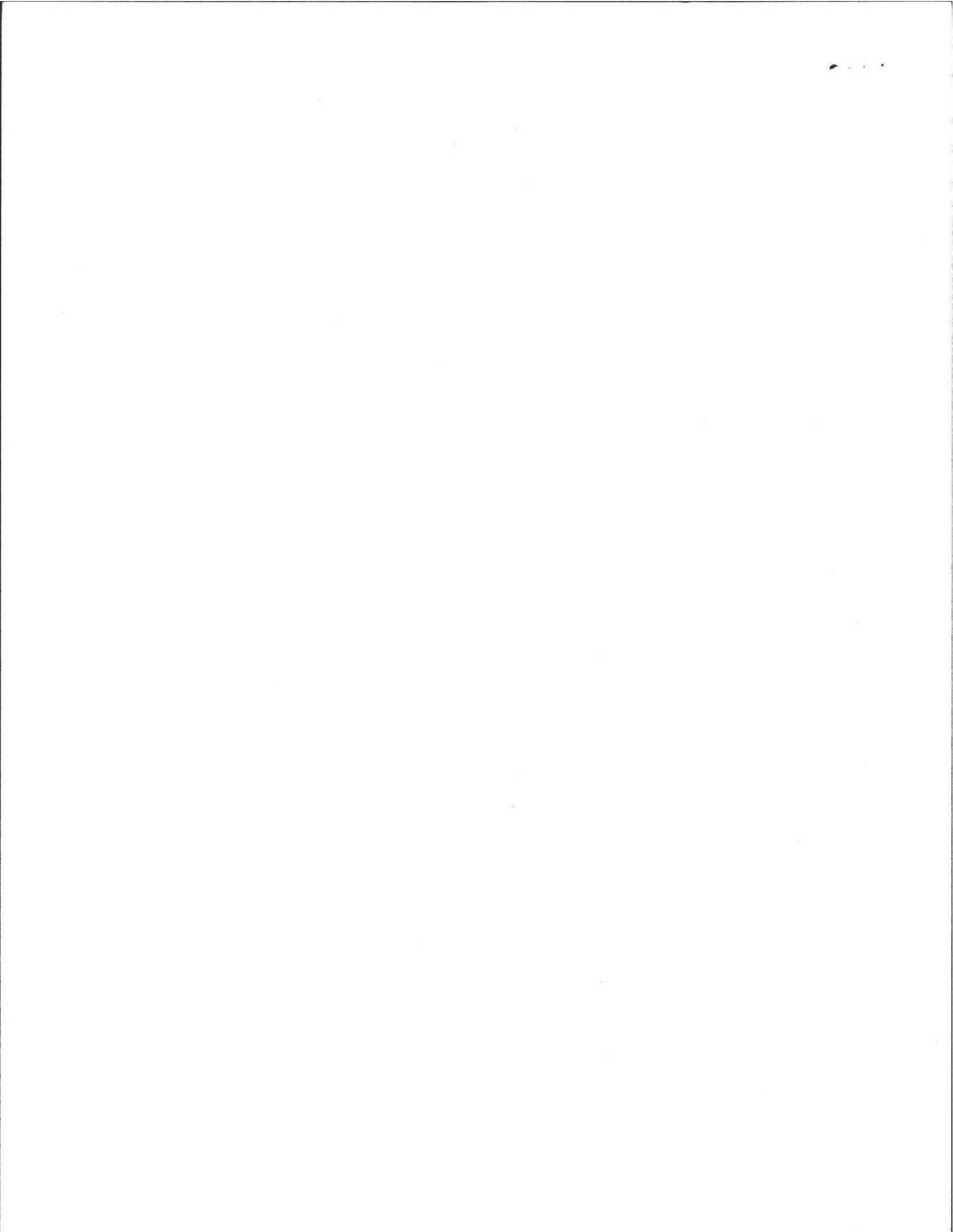
Horizontal Datum: MA Stateplane Coordinate System,
Zone 4151, Datum NAD83, Feet
Vertical Datum: NAVD83, Feet

Planimetric & topographic basemap features compiled
at 1"=40' scale from April, 2009 Aerial Photography.
Parcels compiled to match the basemap;
revisions are ongoing.

The information depicted on this map is for planning
purposes only. It may not be adequate for legal boundary
definition, regulatory interpretation, or property conveyance
purposes. Utility structures and underground utility
locations are approximate and require field verification.

THE TOWN OF AMHERST MAKES NO WARRANTIES,
EXPRESSED OR IMPLIED, CONCERNING THE
ACCURACY,
COMPLETENESS, RELIABILITY, OR SUITABILITY OF
THESE DATA. THE TOWN OF AMHERST DOES NOT
ASSUME ANY LIABILITY ASSOCIATED WITH THE
USE OR MISUSE OF THIS INFORMATION.

1" = 60 ft 
Amherst GIS Viewer April 6, 2010



PERMITS/INSP PAYMENT RECPT#: 10096418
TOWN OF AMHERST
TOWN HALL
4 BOLTWOOD AVENUE
AMHERST MA 01002

DATE: 04/06/10 TIME: 12:09
CLERK: courteman DEPT:

PAID BY:
PAYMENT METH: CHECK 1195

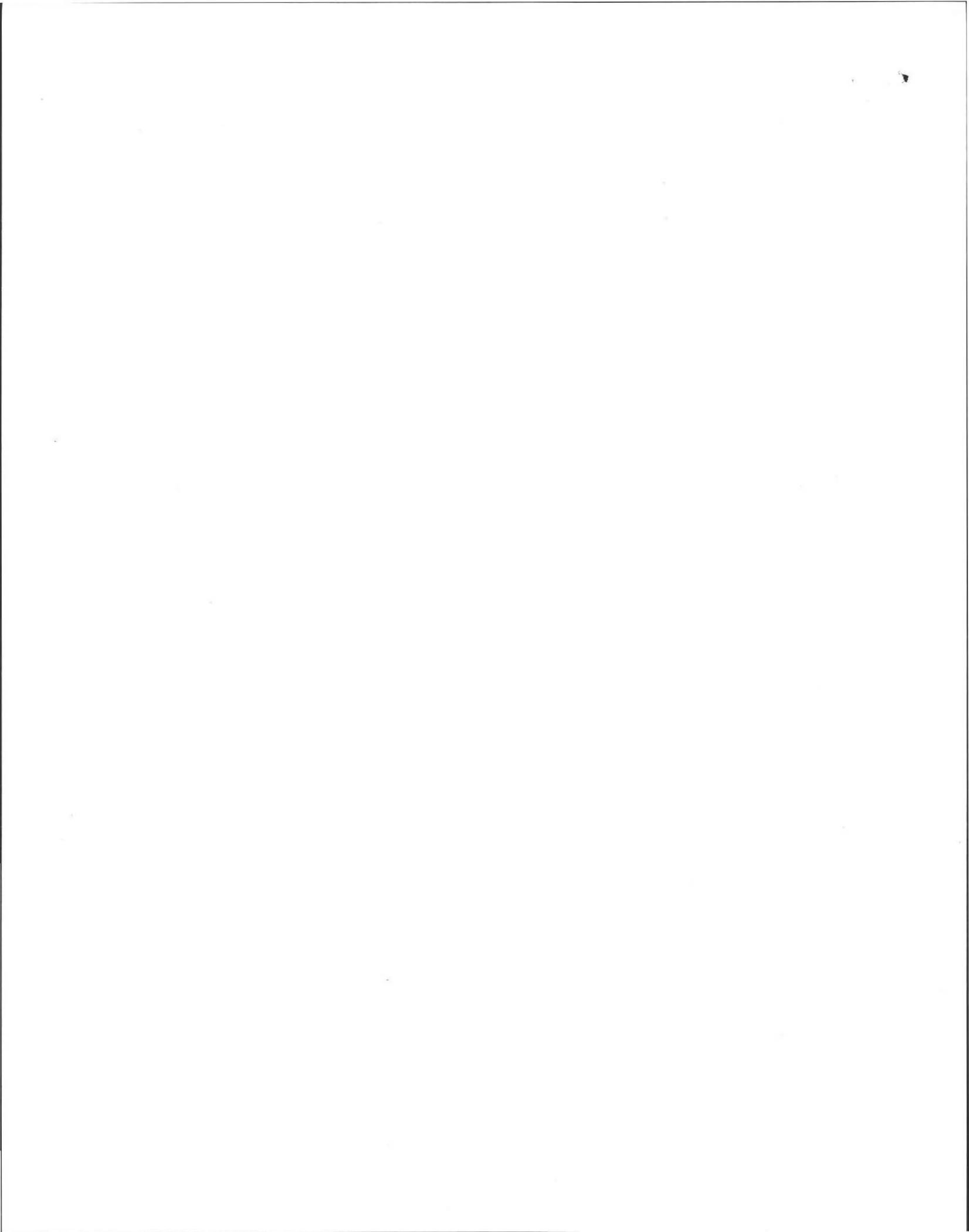
REFERENCE: A

AMT TENDERED: 300.00
AMT APPLIED: 300.00
CHANGE: .00

SITE ADDRESS: BENZO

FEES:
HEA011 PERCOLATIO 300.00

TOTAL PAID: 300.00



PERMITS/INSP PAYMENT RECPT#: 10096418
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CHANGE: .00

SITE ADDRESS: BENZO

FEES:
HEA011 PERCOLATIO 300.00

TOTAL PAID: 300.00

No. 01-07

FEE 225.00
OK #420

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	368 Shays St	Owner's Name	ALAN WEISS
Map/Parcel#		Address	368 Shays St
Lot#		Telephone#	427-6209
Installer's Name	J.C + CO., Jim Dimes	Designer's Name	Alane Weiss, R.S.
Address	Northampton, MA.	Address	Belchertown, MA.
Telephone#	527-5232	Telephone#	413-323-5957

Type of Building Res Lot Size 140,000 +/- sq. ft.
 Dwelling - No. of Bedrooms 6 Garbage grinder ()
 Other - Type of Building _____ No. of persons _____ Showers (), Cafeteria ()
 Other Fixtures _____
 Design Flow (min. required) 660 gpd Calculated design flow 710 Design flow provided 710 gpd
 Plan: Date 7/5/01 Number of sheets 4 Revision Date _____
 Title SEPTIC SYSTEM DESIGN REPAIR PLAN
 Description of Soil(s) CLASS I: SAND
 Soil Evaluator Form No. _____ Name of Soil Evaluator A. Weiss Date of Evaluation 6/14/01

DESCRIPTION OF REPAIRS OR ALTERATIONS New silt tank + L. field.

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 7/15/01

Inspections _____

No. 01-07

FEE 225.00

COMMONWEALTH OF MASSACHUSETTS

Board of Health, Amherst, MA.

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 368 Shays Street

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

Installer [Signature] Designer: [Signature] Inspector: [Signature] Date: 8/1/01

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

No. 01-07

FEE 225.00
OK #420

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 368 Shays St as described in the application for Disposal System Construction Permit No. 01-07, dated 7/15/01

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 7/18/01 Board of Health [Signature]

PAID 6/14/01
CK # 420
225.00

No. _____

Date: 6/14/01

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

Performed By: Al Weiss Cold Spring
Witnessed By: David ZARZINSKI

Date: 6/14/01

Location Address or Lot # <u>368 SHAYS ST</u>	Owner's Name, Address and Telephone # <u>Fred MYERS</u> <u>368 Shays St</u> <u>256-8048</u> <u>427-6209</u>
New Construction <input type="checkbox"/> Repair <input checked="" 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) _____

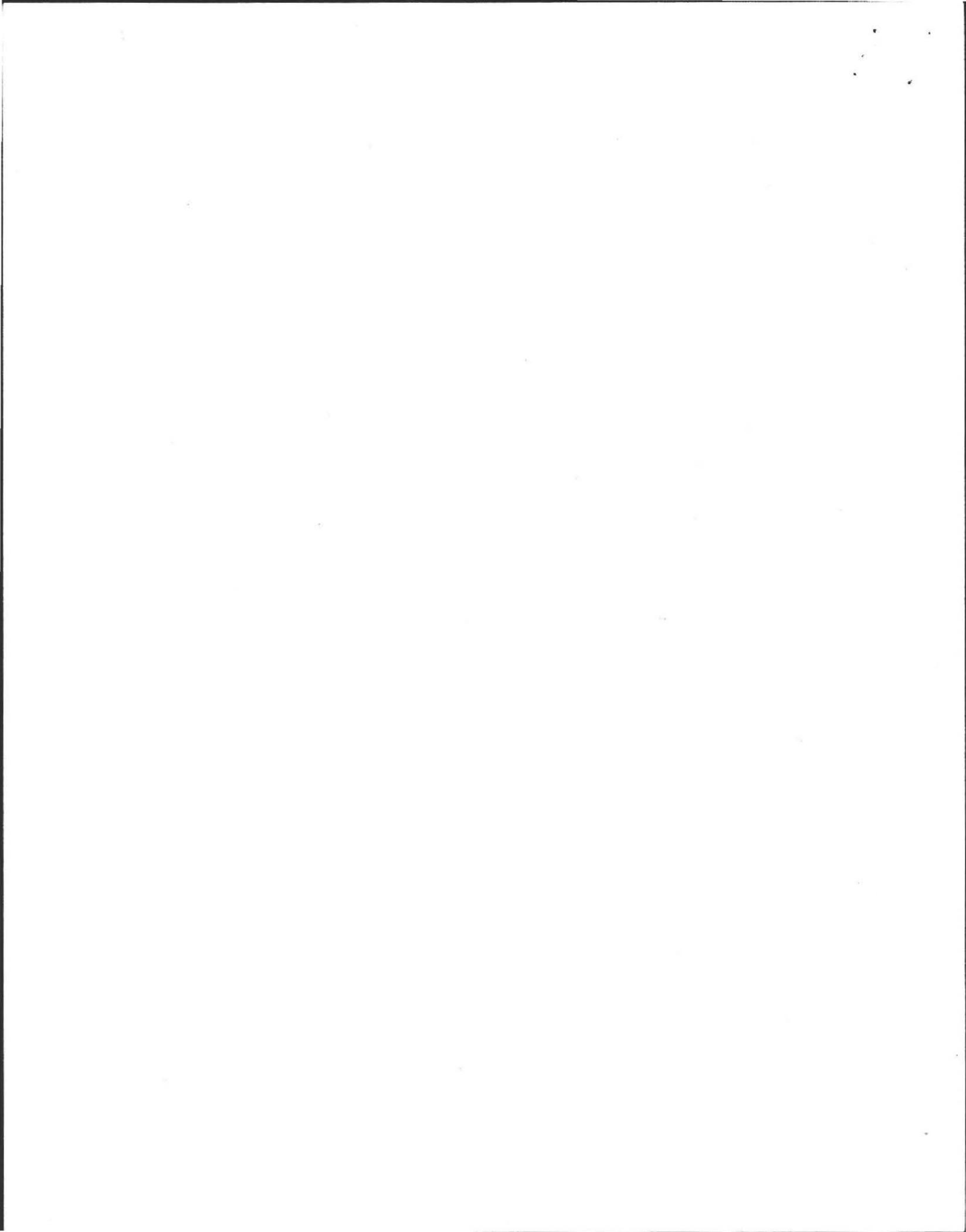
Current Water Resource Conditions (USGS): Month

Range : Above Normal Normal Below Normal

Other References Reviewed: _____



Pd



Paid 6/14/01

FORM 11 - SOIL EVALUATOR FORM

CK # 420 Page 2 of 3

Location Address or Lot No. 368 Shaw St

On-site Review

Deep Hole Number TP-1 Date: 6/14/01 Time: 1:30 PM Weather: SUN 90°

Location (identify on site plan) _____

Land Use RESIDENTIAL Slope (%) 2 Surface Stones FEW

Vegetation GRASS

Landform TERRACE

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 50' feet

Drinking Water Well _____ feet Other _____

TOWN

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>0-10"</u>	<u>A</u>	<u>FSL</u>	<u>10YR 3/2</u>	<u>r</u>	<u>FRITABLE</u>
<u>10"-26"</u>	<u>BW</u>	<u>FSL</u>	<u>10YR 4/4</u>	<u>NO</u>	<u>FRITABLE</u>
<u>26"-100"</u>	<u>C</u>	<u>SAND</u>	<u>10YR 5/4</u>	<u>MOTTLES</u>	<u>COARSE SAND + GRAVEL</u>
<u>0-10"</u>	<u>A</u>	<u>FSL</u>	<u>10YR 3/2</u>		<u>FRITABLE</u>
<u>10-24"</u>	<u>BW</u>	<u>FSL</u>	<u>10YR 4/4</u>	<u>NO</u>	<u>FRITABLE</u>
<u>24-100"</u>	<u>C</u>	<u>SAND</u>	<u>10YR 5/4</u>	<u>MOTTLES</u>	<u>COARSE SAND + GRAVEL</u>

TP #1

TP #2

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic) OUT WASH

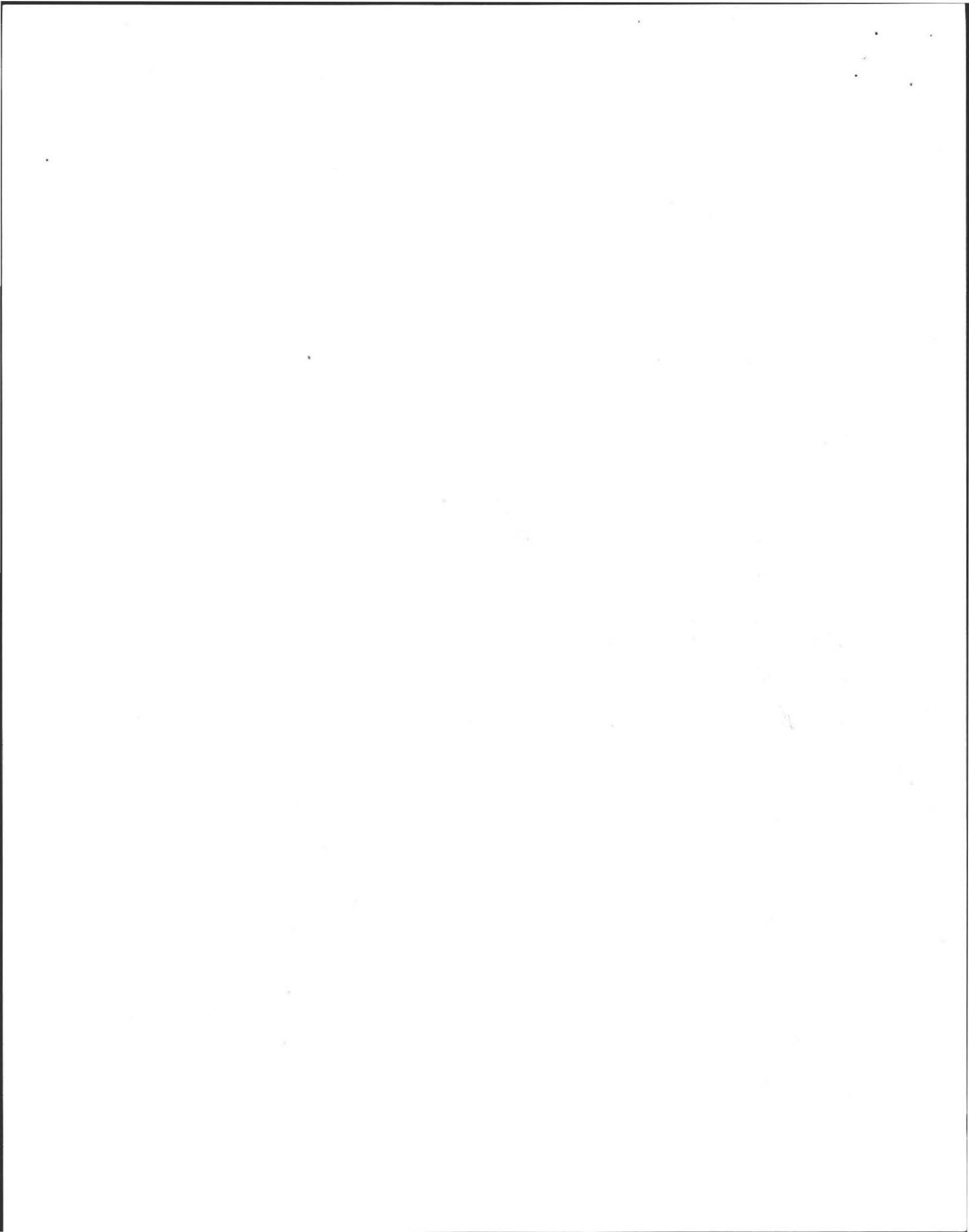
Depth to Bedrock: 100" +

Depth to Groundwater: Standing Water in the Hole: NOT OBSERVED

Weeping from Pit Face: NOT OBSERVED

Estimated Seasonal High Ground Water: 100"





PAID 6/14/01
CK # 420

FORM 12 - PERCOLATION TEST

Location Address or Lot No. 368 Shaw St

COMMONWEALTH OF MASSACHUSETTS

, Massachusetts

Percolation Test*		
Date:	<u>6/14/01</u>	Time: <u>1:15</u>
Observation Hole #	<u>A</u>	
Depth of Perc	<u>44"</u>	
Start Pre-soak	<u>1:58</u>	
End Pre-soak	<u>1:59</u>	
Time at 12"	<u>COULDN'T HOLD</u>	
Time at 9"	<u>SOAK</u>	
Time at 6"	<u>—</u>	
Time (9"-6")	<u>1 MIN.</u> # <u>1:59</u>	
Rate Min./Inch	<u>2 MIN</u> <u>< 1 IN</u>	

* 5 sec 1-inch measured

* 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: DAVE ZAROZINSKI + Tom Dixon

Comments: 5' SEPARATION





PAID
6/14/01
CK #420

Location Address or Lot No. 368 SHAYS 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 100" 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

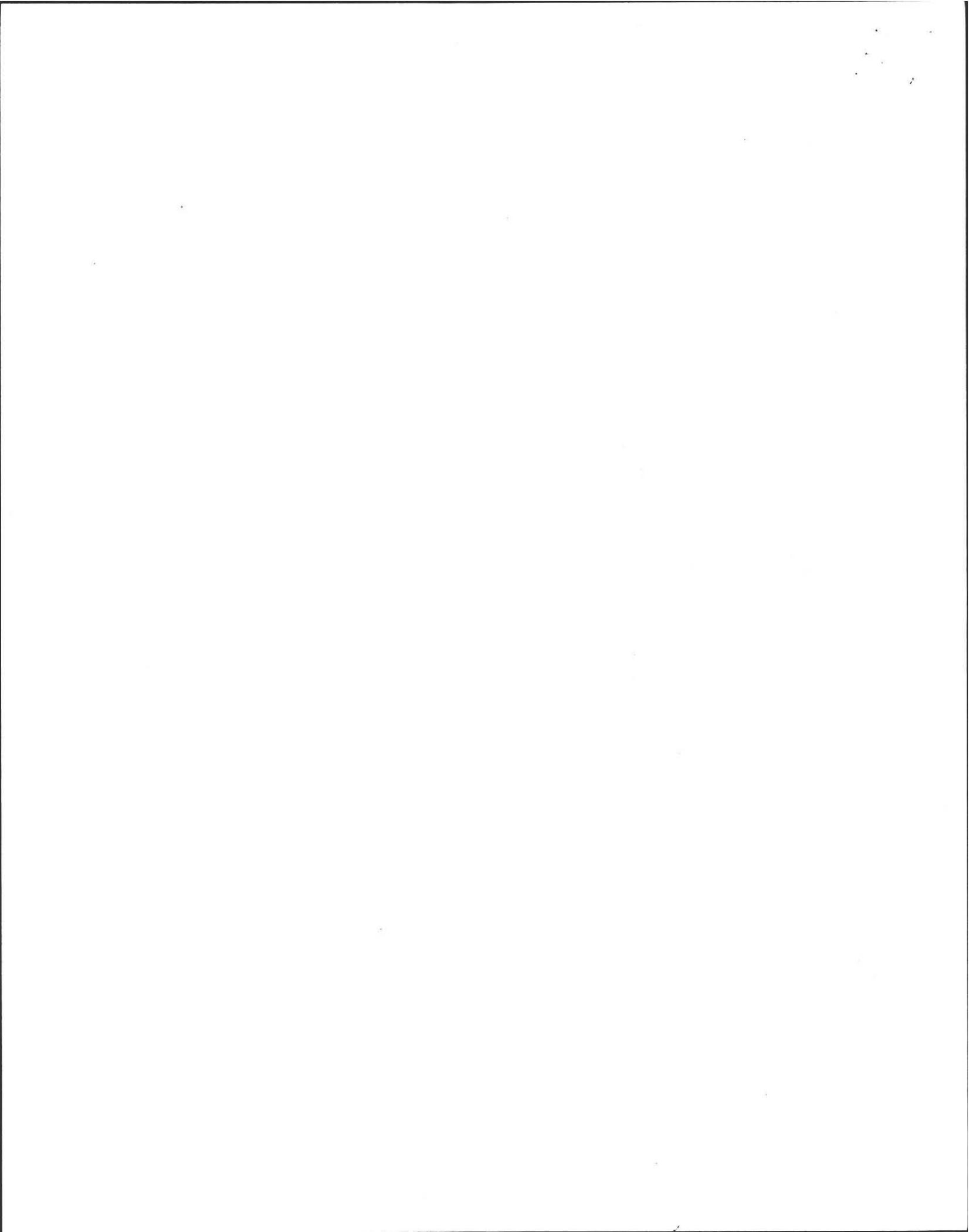
If not, what is the depth of naturally occurring pervious material? _____

Certification

I certify that on JUNE 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 6/14/01





U



FREDERICK MYERS
ILSA D. MYERS
PH. 256-8048
368 SHAYS ST.
AMHERST, MA 01002

June 14, 01

420

05-13/110

Pay to the order of Town of Amherst \$ 225-
two hundred twenty-five Dollars

FLEET BANK
BOSTON, MA
5-1-5211

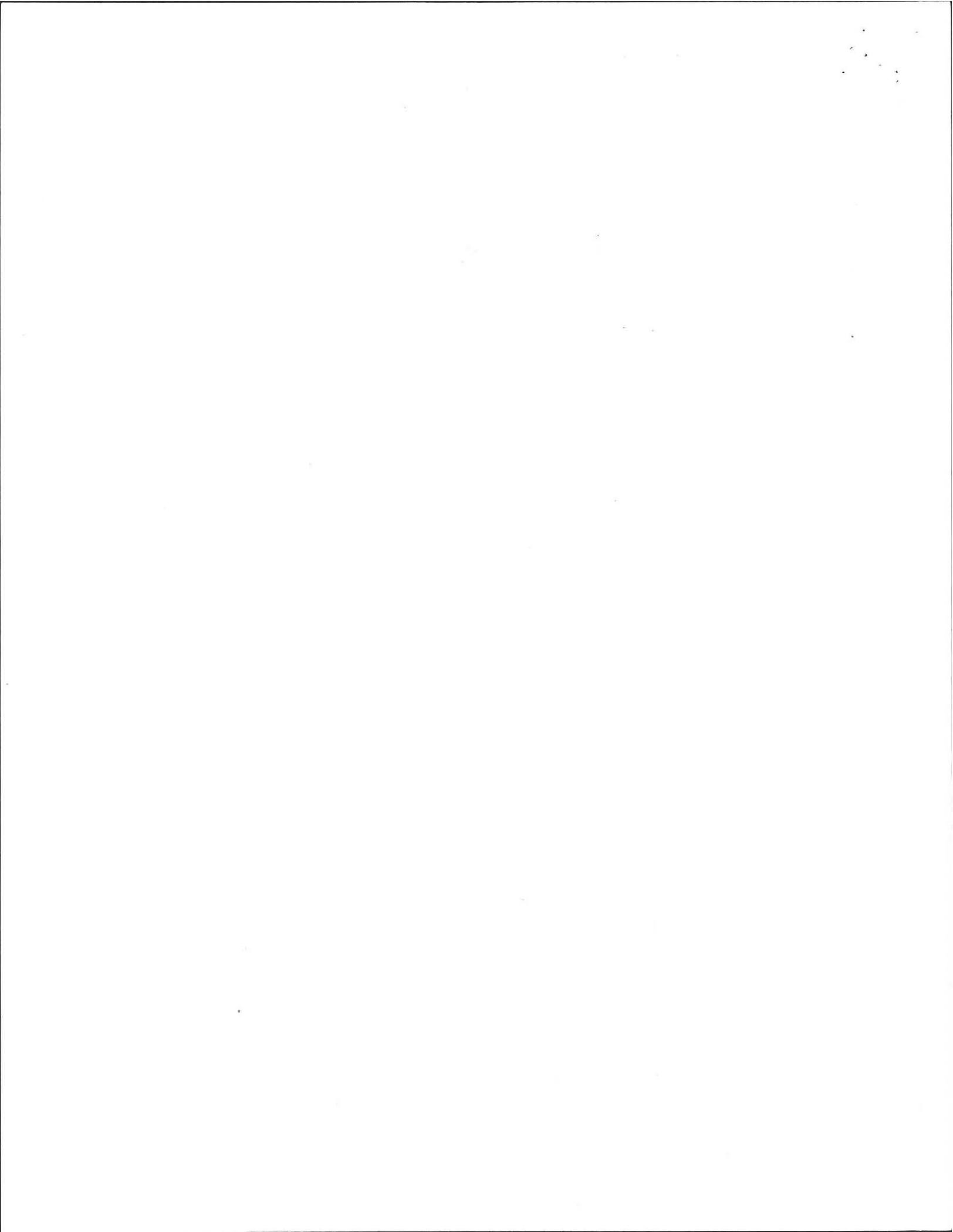
For Perk test

Slayers

⑆011000138⑆ 07059 00207⑆ 0420

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241370... 1-800-224-7624 - TAPESTRY



TOWN OF AMHERST
HEALTH PERMITS/INSPECTION SERVICES

No. 1714

Received of Fredrick Myers of 368 Shays St.
Name Ilsa Myers Address Amherst, MA

For Property Located at: _____

	Street Address	Owner
HEA009	Bakery R6510 443508	HEA015 Sanitary Code Booklets R6510 432305
HEA001	Bed & Breakfast R6510 443516	HEA016 Septic Tank Permit-Installers R6510 443511
HEA002	Catering License R6510 443507	HEA017 Septic Tank Permit-Private R6510 443510
HEA003	Food Handler R6510 443515	HEA018 Septic Tank Reinspection Fee R6510 432301
HEA004	Frozen Deserts R6510 443501	HEA019 Sub-Division Review Fee R6510 432306
HEA005	Health Dept. Housing Isp. R6510 432302	HEA012 Swimming Pool Permits R6510 443512
HEA006	Massage Therapy License R6510 443504	HEA020 Tanning License R6510 443509
HEA007	Milk & Cream License R6510 443500	HEA024 Funeral Director License R6510 443502
HEA008	Motel License R6510 443506	HEA034 Immunization Clinic R6510 432307
HEA010	Removal of Offal R6510 443513	HEA030 Car Seats 8407 258004
HEA021	Removal of Rubbish R6510 443520	HEA026 Smoking & Tobacco Reg. Violations R6510 443518
HEA011	Percolation Test Fees <u>225.00</u> R6510 432300	HEA023 TB Clinic R6510 432303
HEA013	Recreation Camp License R6510 443503	HEA022 Tobacco License R6510 443505
HEA014	Retail Store Permit R6510 443514	HEA _____
		HEA _____

D. Carignan

Inspection Services/Health Department

TOTAL FEE: _____

225.00

CK# 420

6/15/01

Date

SPT2001-001714

TOWN OF AMHERST
MISC CASH RECEIPTS
Date / Time : 06/19/01 10:11
Payment : \$225.00
Receipt # : 97455
Check/Credit Card #: 420 // 1714
Paid by : FREDRICK MYERS

Must be Validated by the Collector's Office to be considered paid



Location Address or Lot No. 368 Shay 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 100" 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

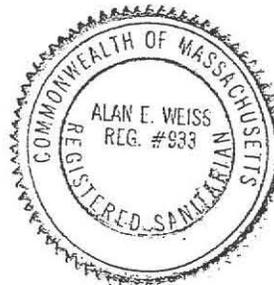
Does at least four feet of naturally occurring pervious material exist in all areas observed throughout the area proposed for the soil absorption system? yes

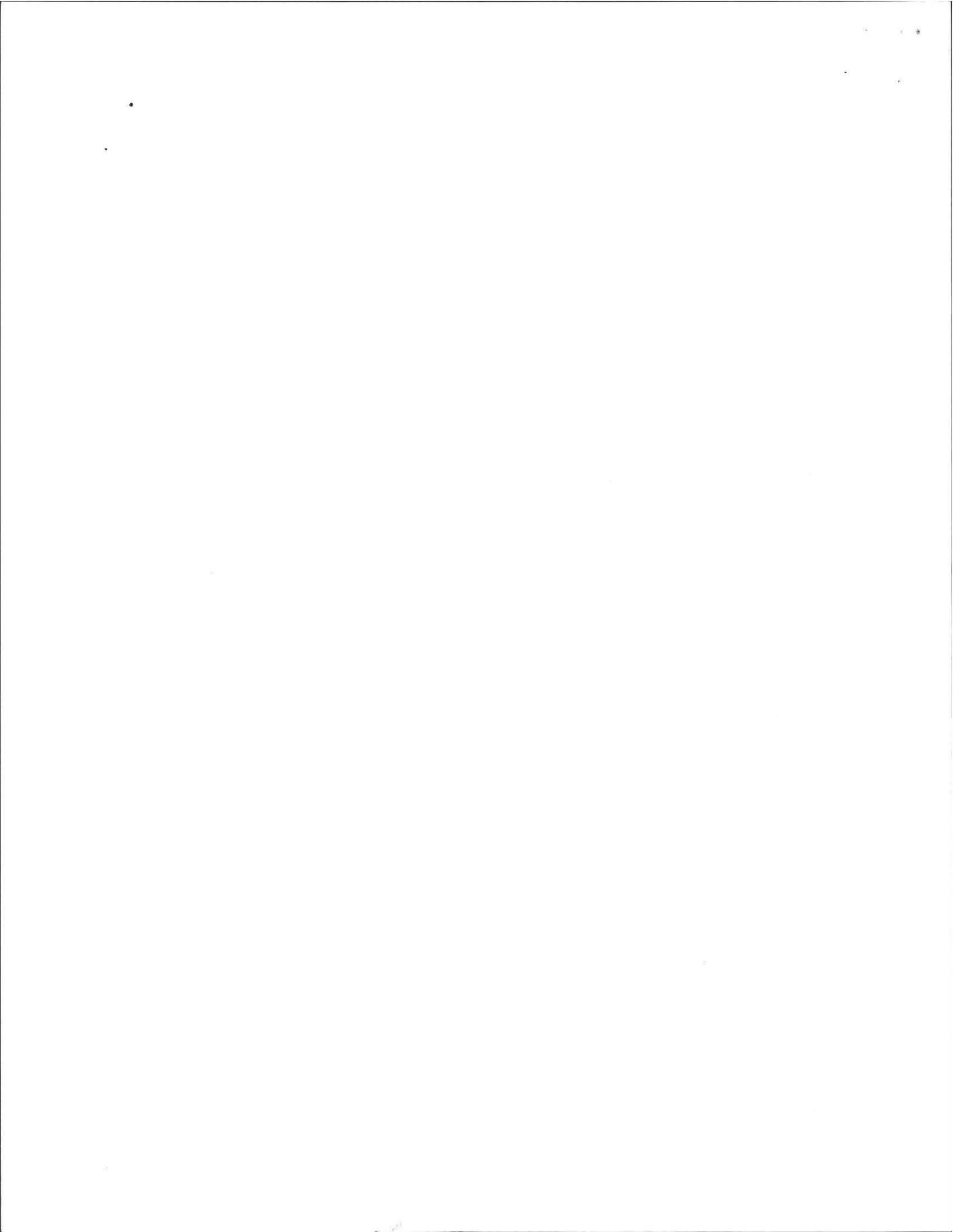
If not, what is the depth of naturally occurring pervious material? _____

Certification

I certify that on June 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 *AK* Date 6/14/01





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: 6/14/01

Commonwealth of Massachusetts
Amherst, Massachusetts

Soil Suitability Assessment for On-site Sewage Disposal

Performed By: A. WEISS

Date: 6/14/01

Witnessed By: D. ZAROWSKI

Location Address or Lot # <u>368 Shays St.</u>	Owner's Name, Address, and Telephone # <u>FRED MYERS</u> <u>368 Shays St</u> <u>Amherst</u> <u>256-8018</u> <u>427-6209</u>
New Construction <input checked="" type="checkbox"/> Repair <input checked="" 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)

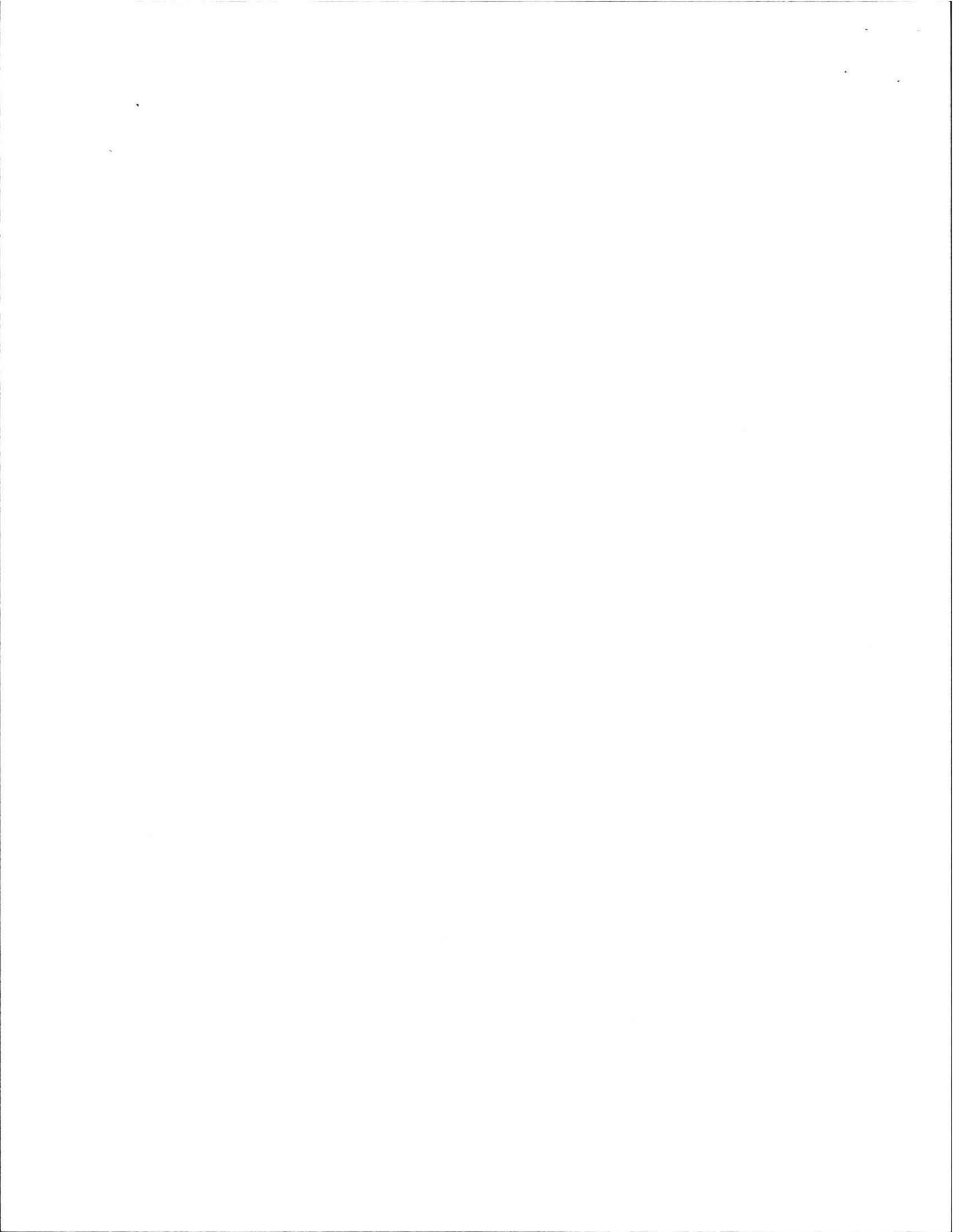
Wetlands Conservancy Program Map (map unit)

Current Water Resource Conditions (USGS): Month

Range : Above Normal Normal Below Normal

Other References Reviewed: _____





Location Address or Lot No. 368 Steeys St.

On-site Review

Deep Hole Number D-1 Date: 6/14/01 Time: 1:30pm Weather SUN 90°F

Location (identify on site plan) _____

Land Use Resid. Slope (%) 2 Surface Stones few

Vegetation grass

Landform Terrace

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 50' feet

Drinking Water Well — feet Other Townwater

DEEP OBSERVATION HOLE LOG*

P-1

P-2

Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
0-10"	A	FSL	10YR3/2	No mottles	FRIABLE
10-26"	Bw	FSC	10YR 4/4 10YR 5/4		FRIABLE
26"-100"	C ₁	S			C ₁ SAND + GRAVEL
100"	Rx				
0-10"	A	FSC	10YR3/2	No mottles	FRIABLE
10-24"	Bw	FSC	10YR 4/4 10YR 5/4		FRIABLE
24-100"	C ₁	S			C ₁ SAND + GRAVEL

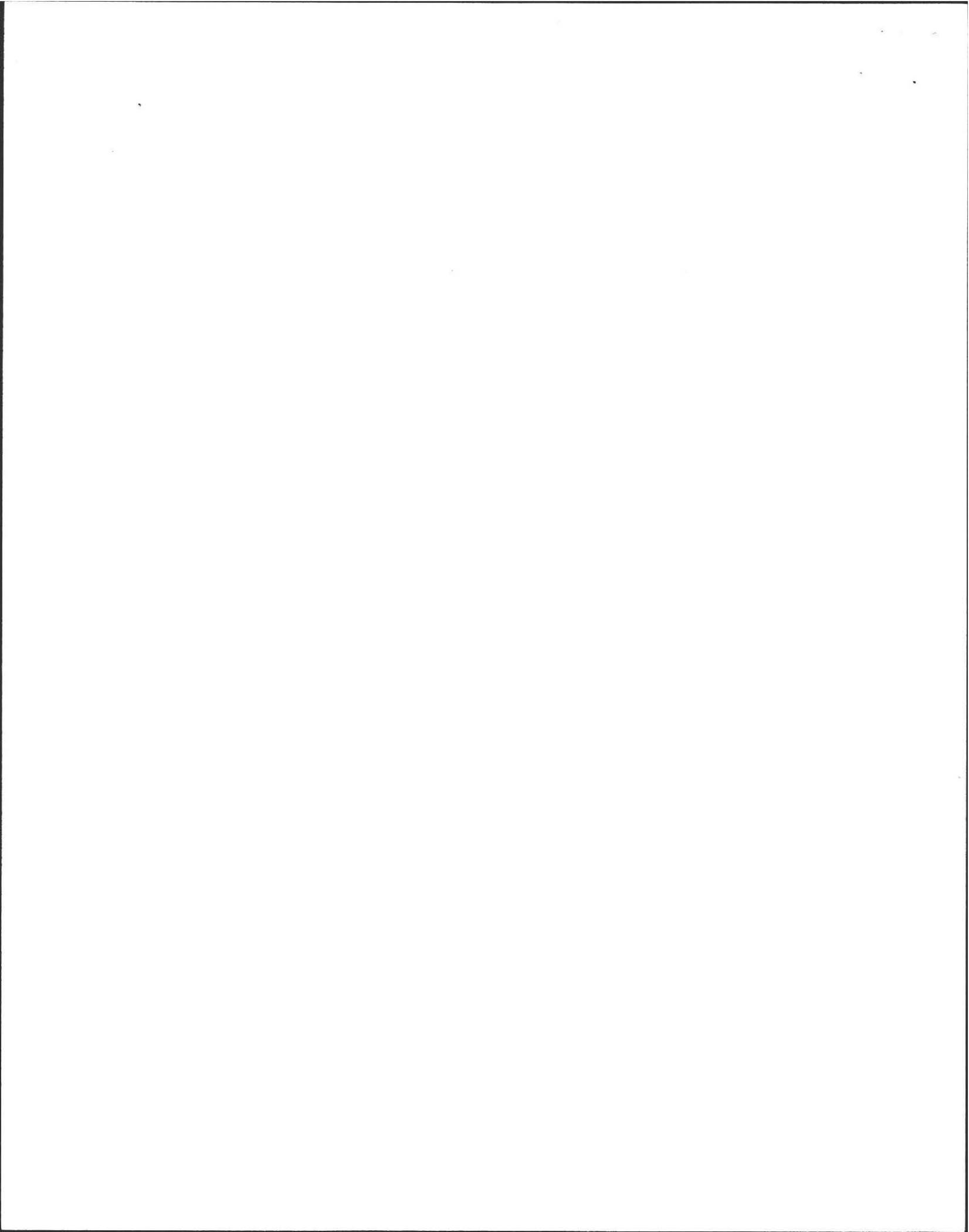
* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic) OUTWASH Depth to Bedrock: 100'±

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

Estimated Seasonal High Ground Water: 100"





Location Address or Lot No. 368 Shays St

COMMONWEALTH OF MASSACHUSETTS

AMHERST, Massachusetts

Percolation Test*		
Date:	<u>6/14/01</u>	Time: <u>1:45</u>
Observation Hole #	<u>P.</u>	
Depth of Perc	<u>44"</u>	
Start Pre-soak	<u>1:58</u>	
End Pre-soak	<u>1:59</u>	
Time at 12"		
Time at 9"	<u>COULDN'T HOLD SOAK</u>	
Time at 6"	<u>—</u>	
Time (9"-6")	<u>1 MIN 1:59</u>	
Rate Min./Inch	<u>2 ^{MIN} / IN</u>	

* 5 SECS / IN MEASURED

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

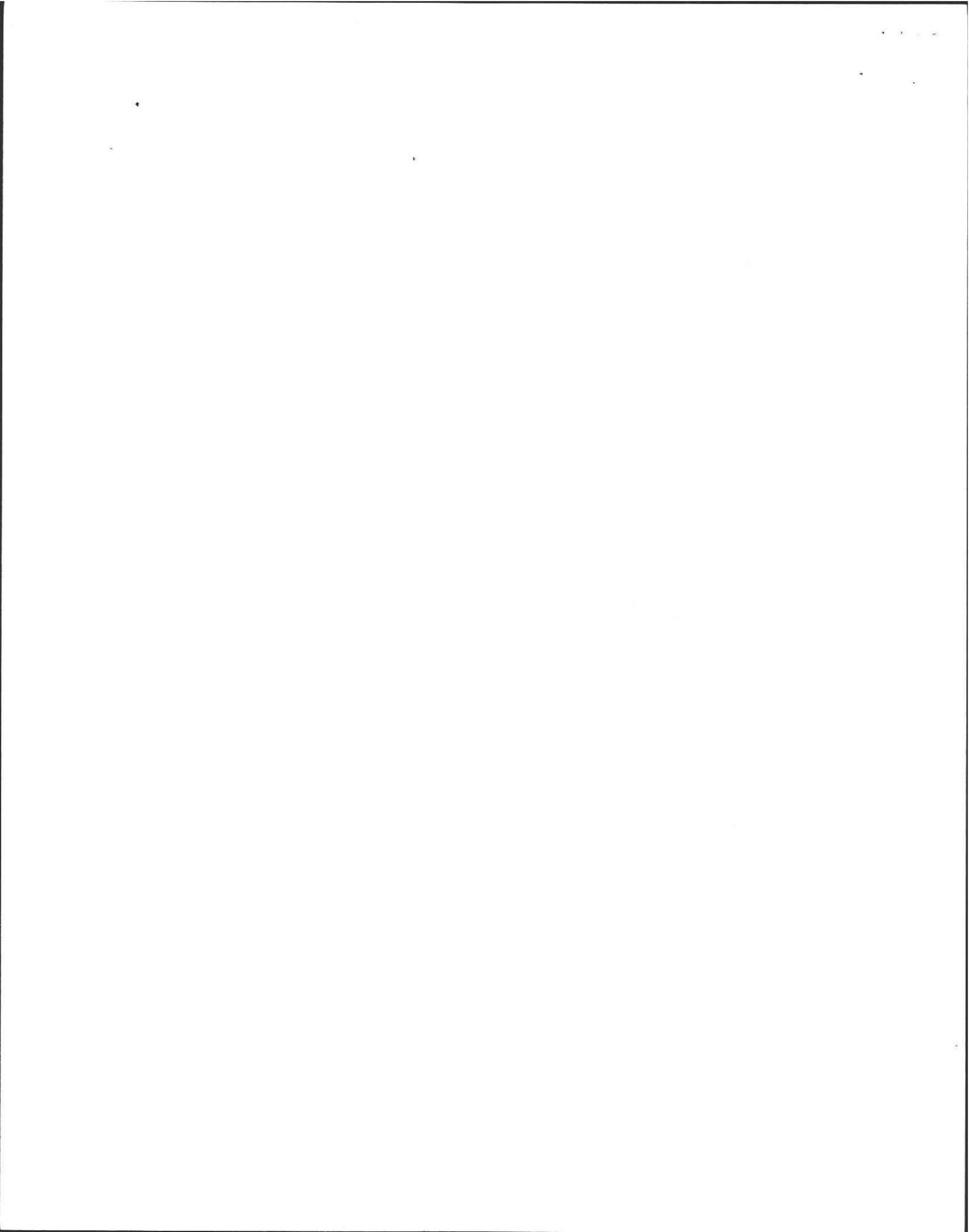
Site Passed Site Failed

Performed By: A. WEISS

Witnessed By: D. ZARAZINSKI, T. DION

Comments: 5' SEPARATION





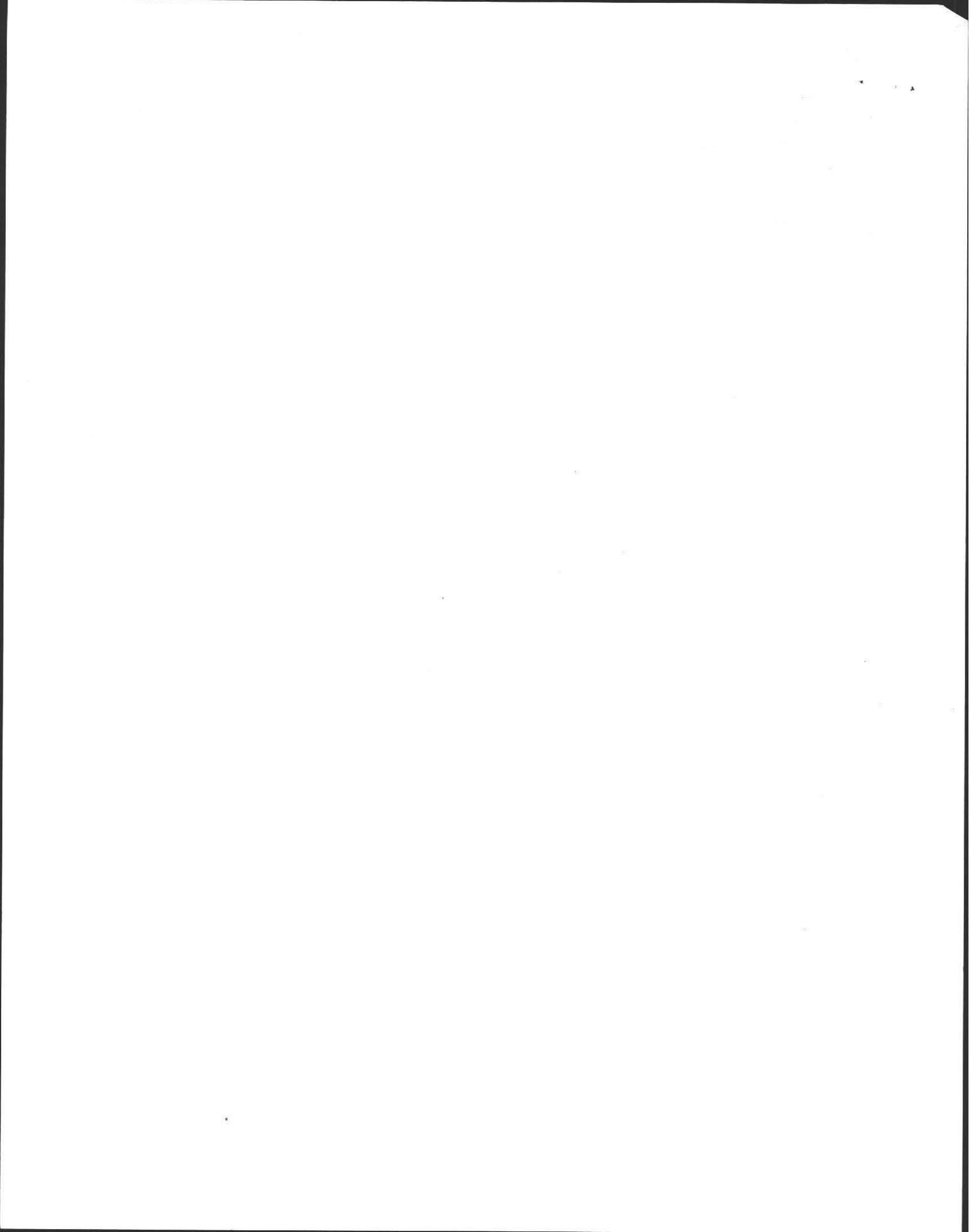
8/16/01
10:06:03 AM

**PAYMENT HISTORY FOR CASE
SOT2001-00171**

Fee Type: PERC	Description: Perc Test Fee			Total Fee:	\$150.00
Date Paid	Receipt#	Check#	Recorded By	Amount Paid	
6/15/01	1714	420	DDC	\$150.00	
Total Paid:				\$150.00	Due: \$0.00

Totals for SOT2001-00171:

Fees: \$150.00 Paid: \$150.00 Due: \$0.00



PLOT PLAN (Am. H.L. EATON; 512107)

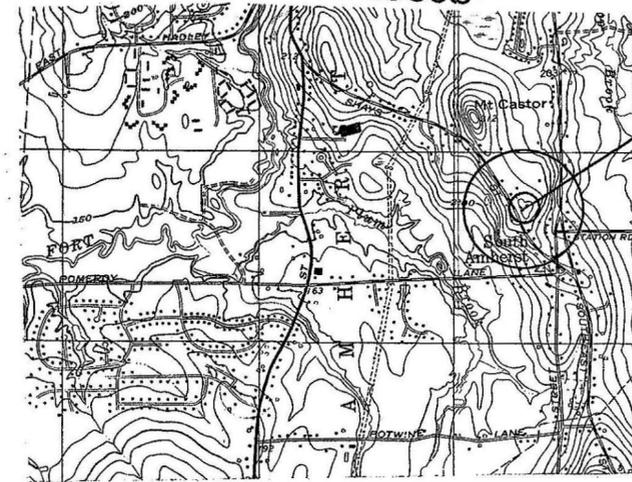
(1" = 40')

(BOOK 78, Page 17)

TEST PIT LOG

TP-1 EFF. EL. 95.51'		TP-2 el. 94.82'	
0-10"	A: FINE SANDY LOAM, FRIABLE-LOOSE (10 YR 3/2)	0-10"	
10-26"	B: FINE SANDY loam, FRIABLE-LOOSE (10 YR 4/4)	10-24"	
26-100"	C1 COARSE SAND & GRAVEL, LOOSE (10 YR 5/4)	24-100"	
OXIDES Not OBSERVED, assumed @ 100" (8.33 FT.)			
ESHWT: 100"-IN TP-1 & 2 EFF. FOR DESIGN (5' SEPARATION PROVIDED)			
NOT OBS.	STANDING H2O	NOT OBS.	
NOT OBS.	WEeping FROM FACE	NOT OBS.	
100" +	BEDROCK	NOT OBS.	

SITE LOCUS

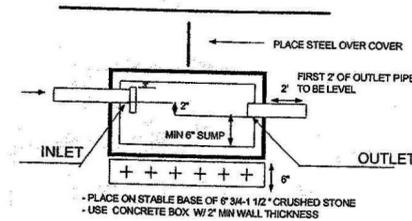


SCALE: 1"=2,083 FT.

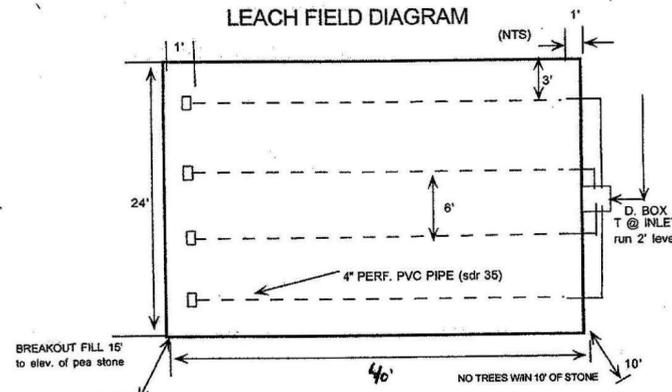
USGS 7.5 MIN. QUAD.

0 FEET 2000

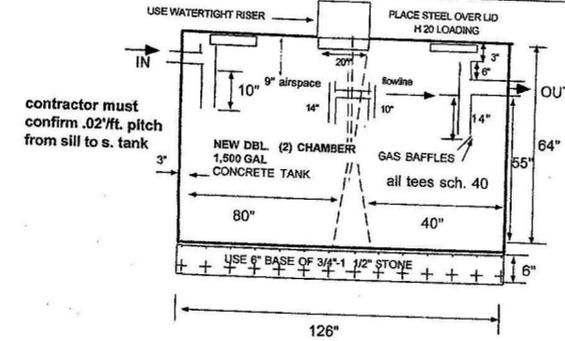
TYPICAL D. BOX (WATERTIGHT)



LEACH FIELD DIAGRAM



TYPICAL NEW DBL. CHAMBER 1,500 GAL. S. TANK OR EQUIV. (WATERTIGHT)



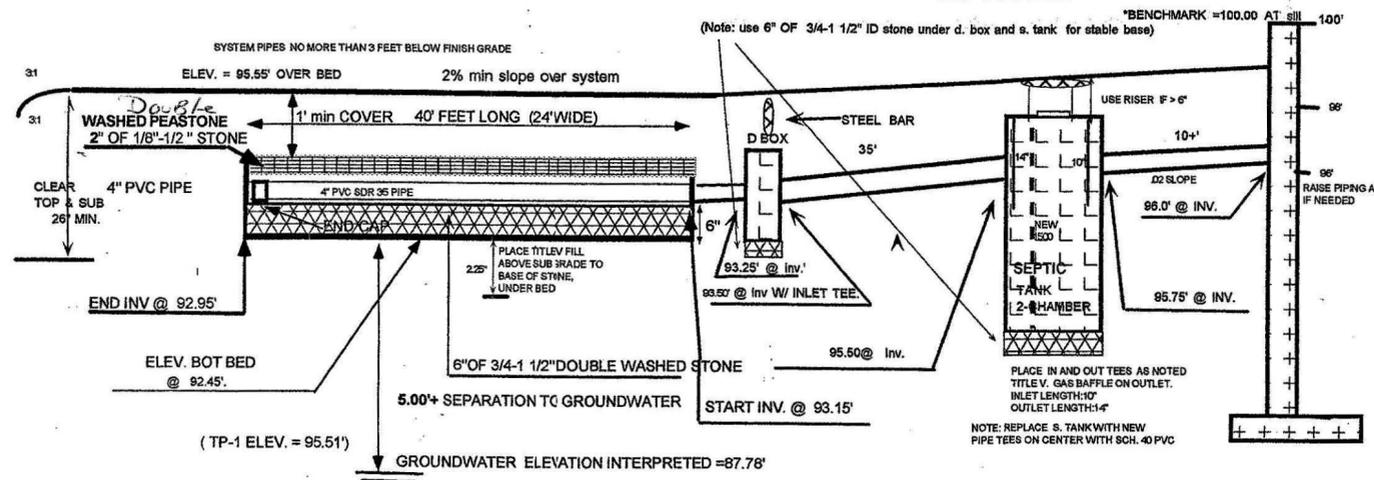
DESIGN NOTES:

- 6 BR X 110 GAL/PERSONS/DAY = 660 GAL/DIAY
- Use ONE Leachfield 24' wide x 40' LONG W/1/6" of .5" of DBL washed stone below
- Bot. Area: 24' wide x 40' long = 960sf. Side Area: N.A. Tot. Area: 960 sf x 0.74 gal.sf. = 710 GAL./day.
- GARBAGE DISPOSAL NOT ALLOWED (remove if present)
- ALL D. BOX OUTLET PIPES LEVEL FOR 2'
- NO PRIVATE WELLS WITHIN 100 FEET OF SAS (Town water)
- NO WETLANDS WITHIN 100 FEET OF SAS (see plan)
- PRE & POST CONTOURS NOTED AS NECESSARY.
- RESERVE AREA NOT REQUIRED. (PUMP CRUSH & REPLACE OLD SEPTIC TANK (NEW 1,500 gal. 2 chamber S. TANK MAINTAIN 0.02 PITCH FROM SILL TO S. TANK, SLOPE CALCS (SEE CONTOURS). SUBGRADE INSP. REQ'D.
- 2% MIN. SLOPE OVER SAS, CLEAR TOP AND SUB TO 26" MIN. AS NEEDED. CLEAR TO BASE UNDER BED PRIOR TO TITILE V SAND PLACEMENT.
- SOIL EVALUATION BY A. WEISS, RS. 06/14/2001.
- DEPTH OF PERC. 44" BY A. Weiss 06/14/2001
- PERC RATE = <2 MIN/IN, CLASS I SOIL RATING (sand)
- INSTALL/INSPECT TEES (10" INLET, 14" OUTLET) ON 1,500 GAL. S. TANK AS NEEDED.
- USE NEW, 2 CHAMBER 1,500 GAL. S. TANK WITH PROPER SCH 40 TEES IN PLACE.
- USE APPROVED (1 1/2") DBL. WASHED STONE UNDER BED & D. BOX FOR 6". CONFIRM STONE PROPERLY WASHED (WITH BUCKET /H2O TEST) PRIOR TO PLACEMENT.
- NO TREES WITHIN 10 FT. OF NEW LEACH FIELD.
- ENGINEER TO INSPECT SUBGRADE, remove old system IF interferes with new SAS.
- T.B.M. 100.00 AT SILL, PITCH PIPE 0.02 TO S. TANK
- GRADE MULCH AND SEED OVER LEACHFIELD/SAS.



Double wash & Per Stone # 8 Statement

CROSS SECTION OF SEPTIC SYSTEM



NOTE: USE TITILE V FILL ONLY UNDER AND AROUND FIELD TO MEET DESIGN ELEVATIONS AS NOTED ON PLAN AND AS PER 310 15.255 AS NEEDED. (clear all top and sub prior to fill placement) (EXCAVATE TO STONE ELEVATION) NOTE: REGRADING AS SHOWN

NOTE: REMOVE OLD L. FIELD SO AS TO NOT INTERFERE WITH NEW S. TANK AND L. FIELD. NOTE: REGRADE AREA OF FIELD AS NOTED OLD S. TANK MUST BE PUMPED CRUSHED AND FILLED

SEPTIC SYSTEM REPAIR PLAN FOR FRED MYERS 368 SHAYS STREET AMHERST, MA		
SCALE: NOTED	APPROVED BY:	DRAWN BY AW
DATE: 7/6/01		REVISED
COLD SPRING ENVIRONMENTAL, INC.		DRAWING NUMBER 101-1349-0614