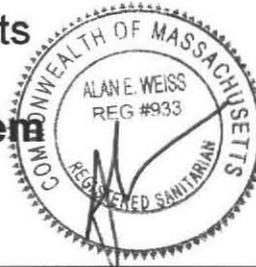


216 SMUTESBURY ROAD
Plan Approved 11/6/2012





Commonwealth of Massachusetts
 City/Town of Amherst
**Application for Disposal System
 Construction Permit**
 Form 1A



Number _____

\$ _____
 Fee _____

DEP has provided this form for use by local Boards of Health if they choose to do so. Before using the form, check with your local Board of Health to make sure that they will accept it.

A. Facility Information

Important:
 When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



Application is hereby made for a permit to: Construct a new on-site sewage disposal system
 Repair or replace an existing on-site sewage disposal system
 Repair or replace an existing system component

1. Location of Facility:

216 Shutesbury Road

Address or Lot #

Amherst

City/Town

MA

State

01002

Zip Code

2. Owner Information

Joan and Lawrence Zukas

Name

Address (if different from above)

City/Town

State

Zip Code

Telephone Number

3. Installer Information

Al Konieczny

Name

Karls Site Work

Name of Company

River Dr

Address

Hadley

City/Town

MA

State

01035

Zip Code

549*5396

Telephone Number

4. Designer Information

Alan Weiss, RS, # 933, Hydrogeologist

Name

Cold Spring Environmental Consultants Inc.

Name of Company

350 Old Enfield Road

Address

Belchertown

City/Town

MA

State

01007

Zip Code

413.323.5957

Telephone Number



Commonwealth of Massachusetts
 City/Town of Amherst
**Application for Disposal System
 Construction Permit**
 Form 1A

Number _____

\$ _____
 Fee

A. Facility Information (continued)

5. Type of Building:

Dwelling

Garbage Grinder (check if present)

Other: Type of Building

3-4 Bedroom

Number of Persons Served _____

Showers

Number of showers _____

Cafeteria

Other fixtures

Specify other fixtures: _____

6. Design Flow:

440

Gallons per Day

Calculated Daily Flow:

466

Gallons

7. Plan:

10.29.2012

Date of Original

1

Number of Sheets

Revision Date

Septic System Repair Plan

Title of Plan

8. Description of Soil:

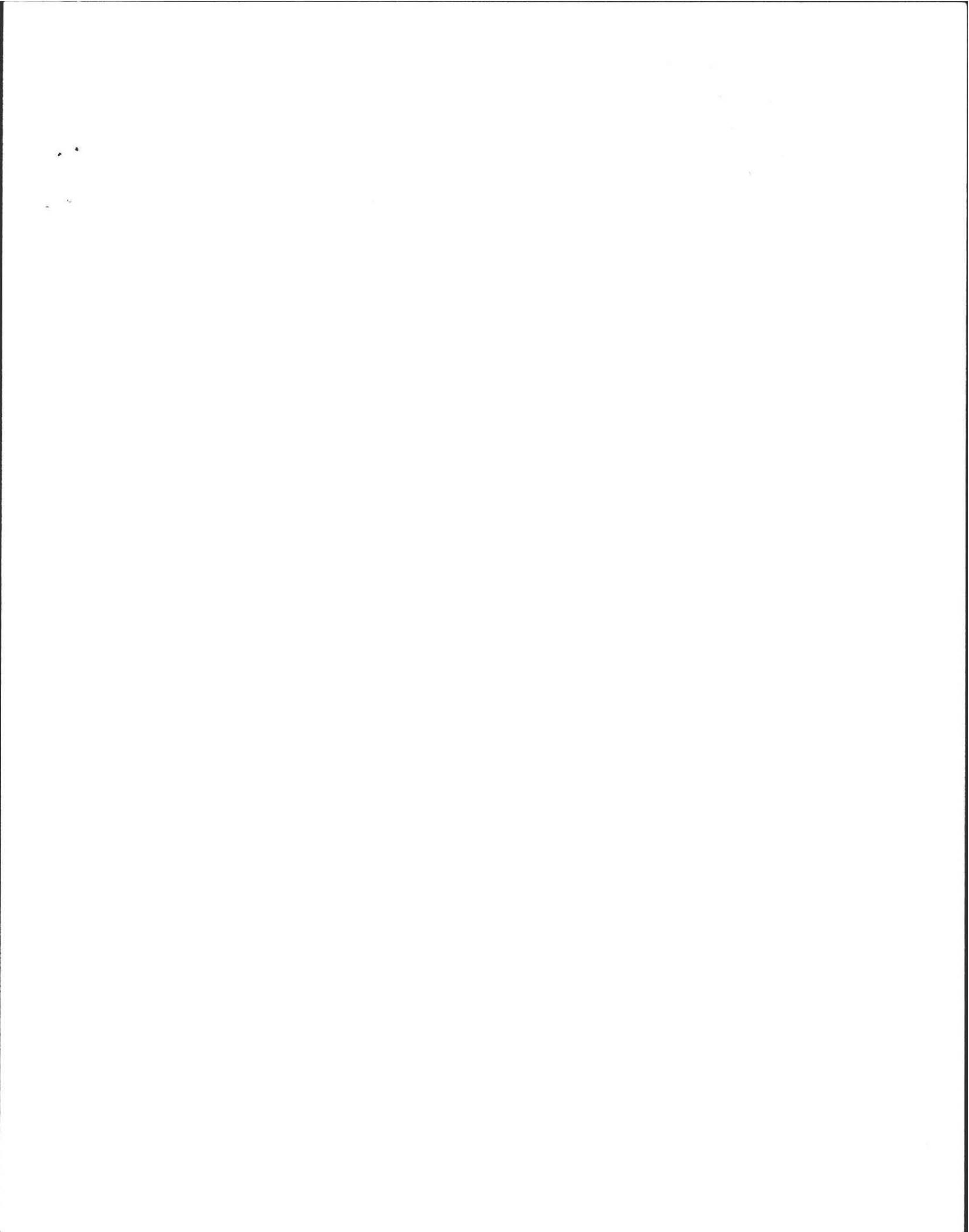
LS: C. sand & Gravel

9. Nature of Repairs or Alterations (if applicable):

New S. tank and L. field

10. Date last inspected:

-
 Date





Commonwealth of Massachusetts
 City/Town of Amherst
**Application for Disposal System
 Construction Permit**
 Form 1A

13-4
 Number
 \$ 150 Fee
 + 300 Fee
 PERIOD REVIEW
 STILL EQUAL

B. Agreement

The undersigned agrees to ensure the construction and maintenance of the aforescribed on-site sewage disposal system in accordance with the provisions of Title 5 of the Environmental Code and not to place the system in operation until a Certificate of Compliance has been issued by this Board of Health.

[Signature]
 Signature

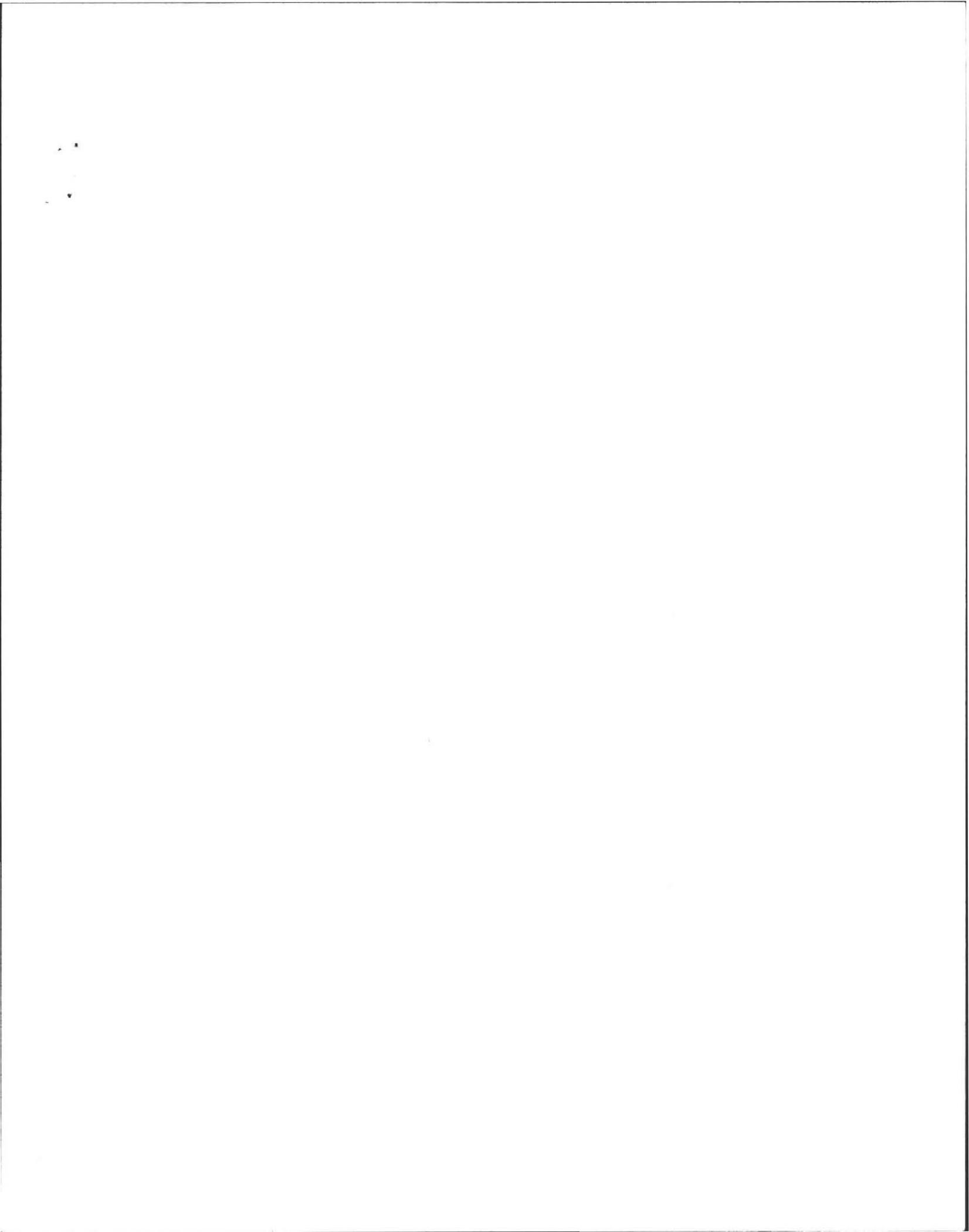
 Date

Application Approved By:

[Signature]
 Name

2/6/2012
 Date

Application **Disapproved** for the following reasons:



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)
aeweiss@charter.net

Date: 10/19/2012

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

Performed By: A. Weiss
Witnessed By:

Date: 10/19/12

Location Address or Lot # 216 Shutesbury Road Amherst, MA	Owner's Name, Address, and Telephone # Joan + Lawrence Zukas 216 Shutesbury Road Amherst, MA 253. 7883
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) _____

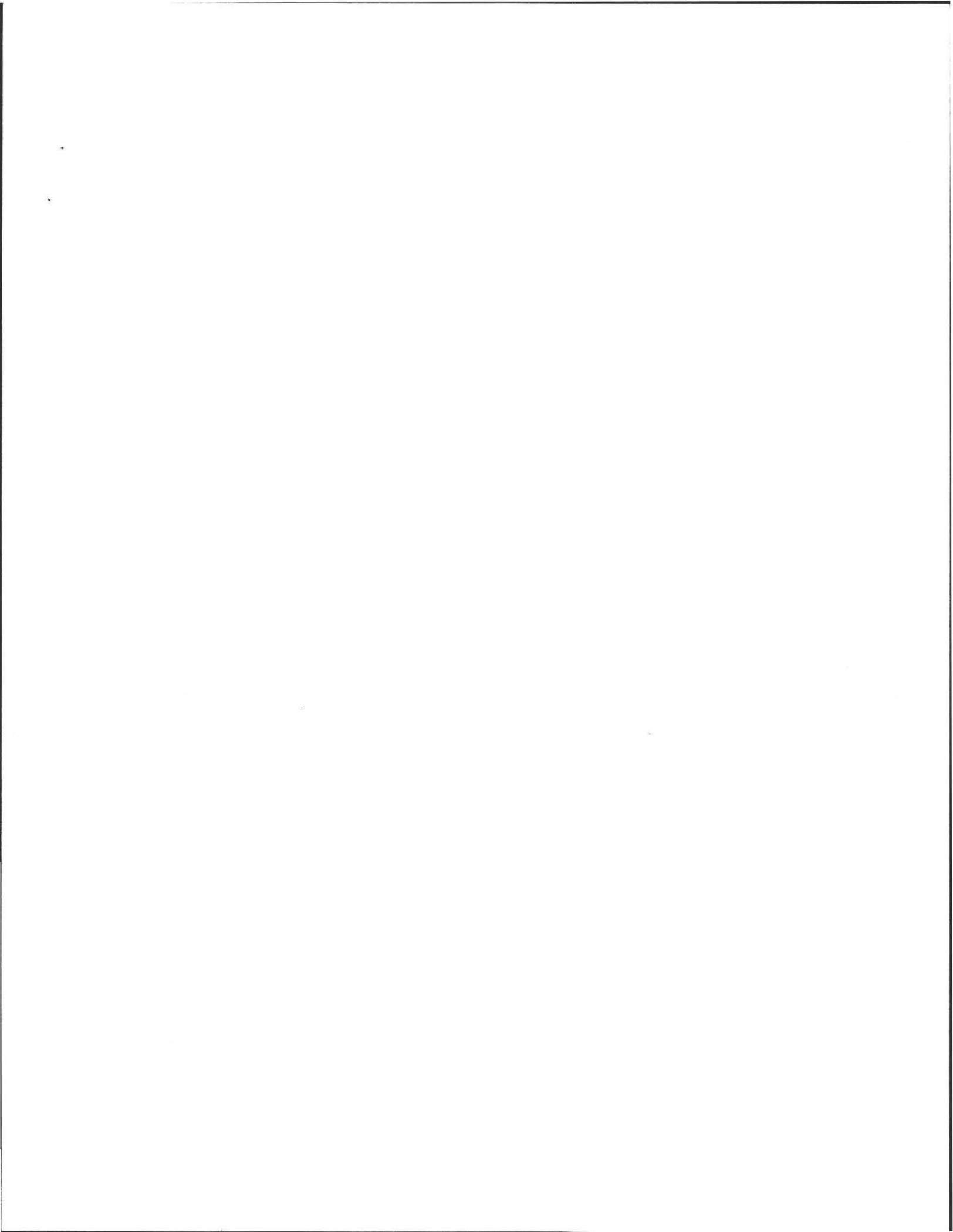
Wetlands Conservancy Program Map (map unit) _____

Current Water Resource Conditions (USGS): Month _____

Range : Above Normal Normal Below Normal

Other References Reviewed: _____





Location Address or Lot No. 216 Shutesbury Road, Amherst

On-site Review

Deep Hole Number 122 Date: 10/19/2012 Time: 12:40 Weather Overcast/Drizzle

Location (identify on site plan) _____

Land Use Residential Slope (%) 5 Surface Stones NONE

Vegetation Lawn Grass

Landform Kame Terrace

Position on landscape (sketch on the back) _____

Distances from:

Open Water Body >100 feet Drainage way >50 feet
 Possible Wet Area >50 feet Property Line 30 feet
 Drinking Water Well >100 feet Other _____

DEEP OBSERVATION HOLE LOG*

F1

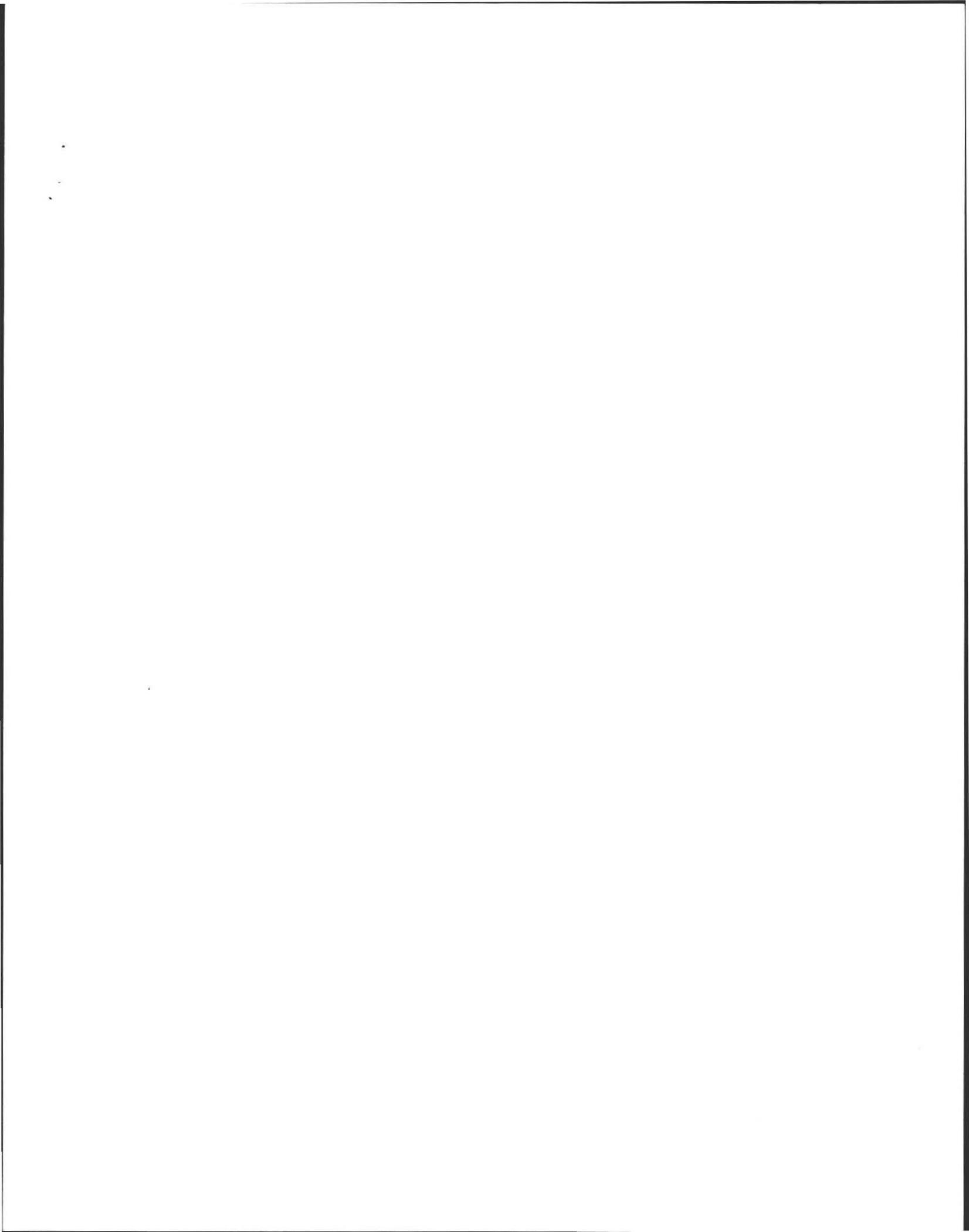
A2111

Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Moisture	Notes (Structure, Stones, Boulders, Consistency, % Gravel)
0-24"	A ₁ Fill	fsl	10YR 3/2		F. Sandy Loam + Fill.
24"-45"	B _w	sl	7.5Y 5/4	64"	F. Sandy, Loose.
45"-108"	C ₁	ls	10YR 5/6	7.5YR 5/8 2.5Y 4/2	- Coarse Sand + Gravel 10% cobbles + boulders - well sorted
0-16"	A _f	fsl	10YR 3/2		See #1 ↓ ↓
16"-36"	B _w	sl	7.5Y 5/4	62"	
36"-98"	C ₁	ls	10YR 5/6	7.5YR 5/8	

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic) outwash (glacial) Depth to Bedrock: >108"
 Depth to Groundwater: Standing Water in the Hole: NONE Weeping from Pit Face: NONE
 Estimated Seasonal High Ground Water: 64"

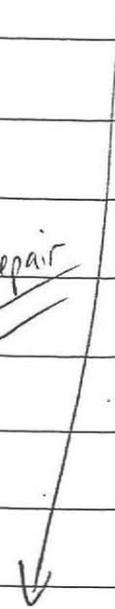




Location Address or Lot No. 216 Shutesbury Road, Amherst

COMMONWEALTH OF MASSACHUSETTS

Amherst, Massachusetts

Percolation Test*		
Date: ... <u>10/19/2012</u>		Time: <u>1:00 PM.</u>
Observation Hole #	<u>#1</u>	
Depth of Perc	<u>50" - 52"</u>	
Start Pre-soak	<u>12:55 PM</u>	
End Pre-soak	<u>1:10 PM</u>	
Time at 12"	<u>1:10 PM</u>	<u>Repair</u> 
Time at 9"	<u>1:16 PM</u>	
Time at 6"	<u>1:23 PM</u>	
Time (9"-6")	<u>7 min</u>	
Rate Min./Inch	<u>3 min / 1 in.</u>	

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

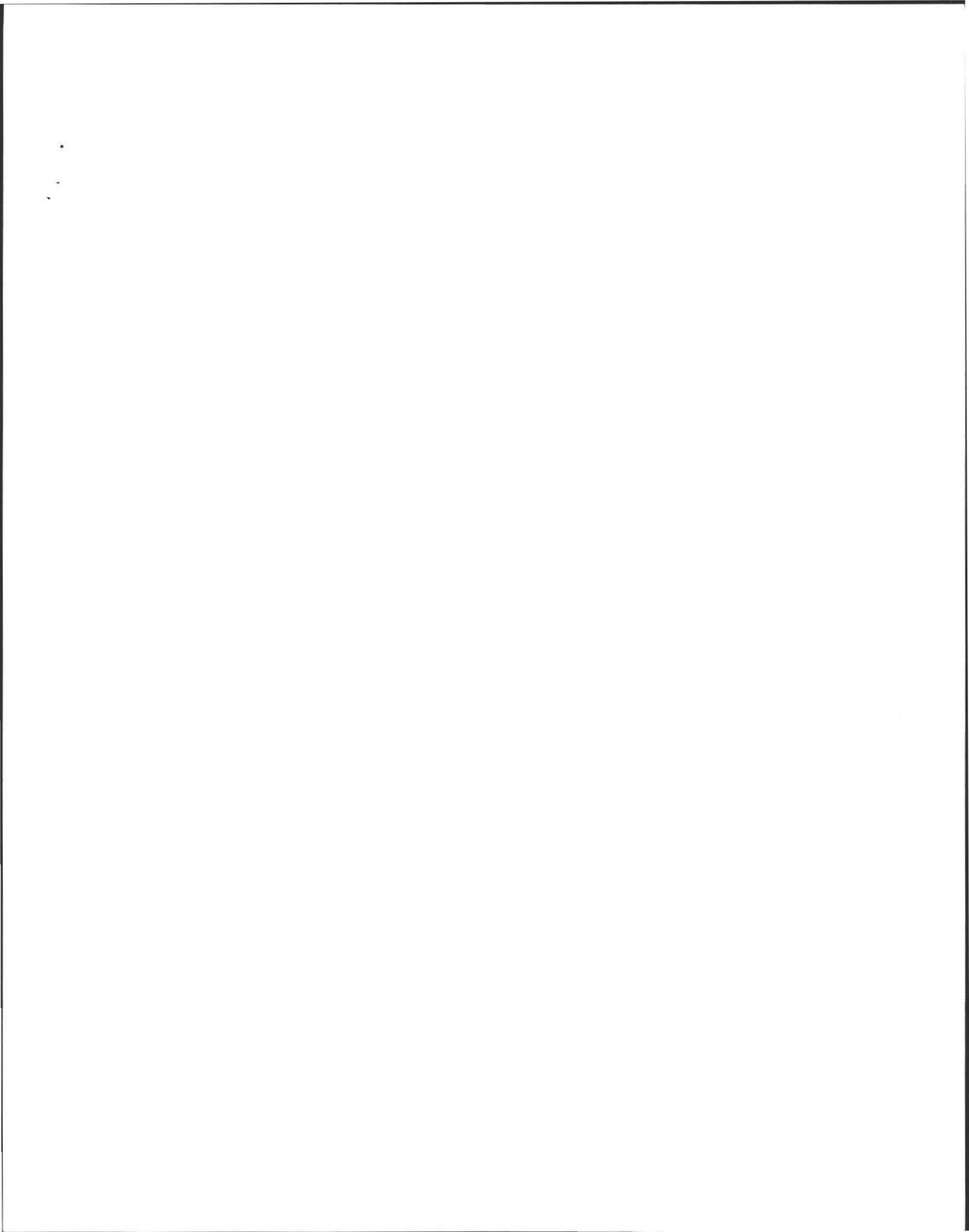
Site Passed Site Failed

Performed By: Alan Weiss, RS

Witnessed By: Ed Smith

Comments:





Location Address or Lot No. 216 Shatsby RD

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 62" 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

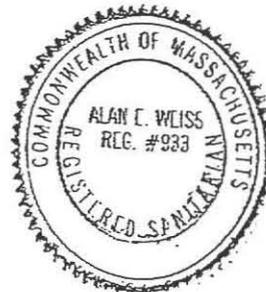
Does at least four feet of naturally occurring pervious material exist in all areas observed throughout the area proposed for the soil absorption system? yes

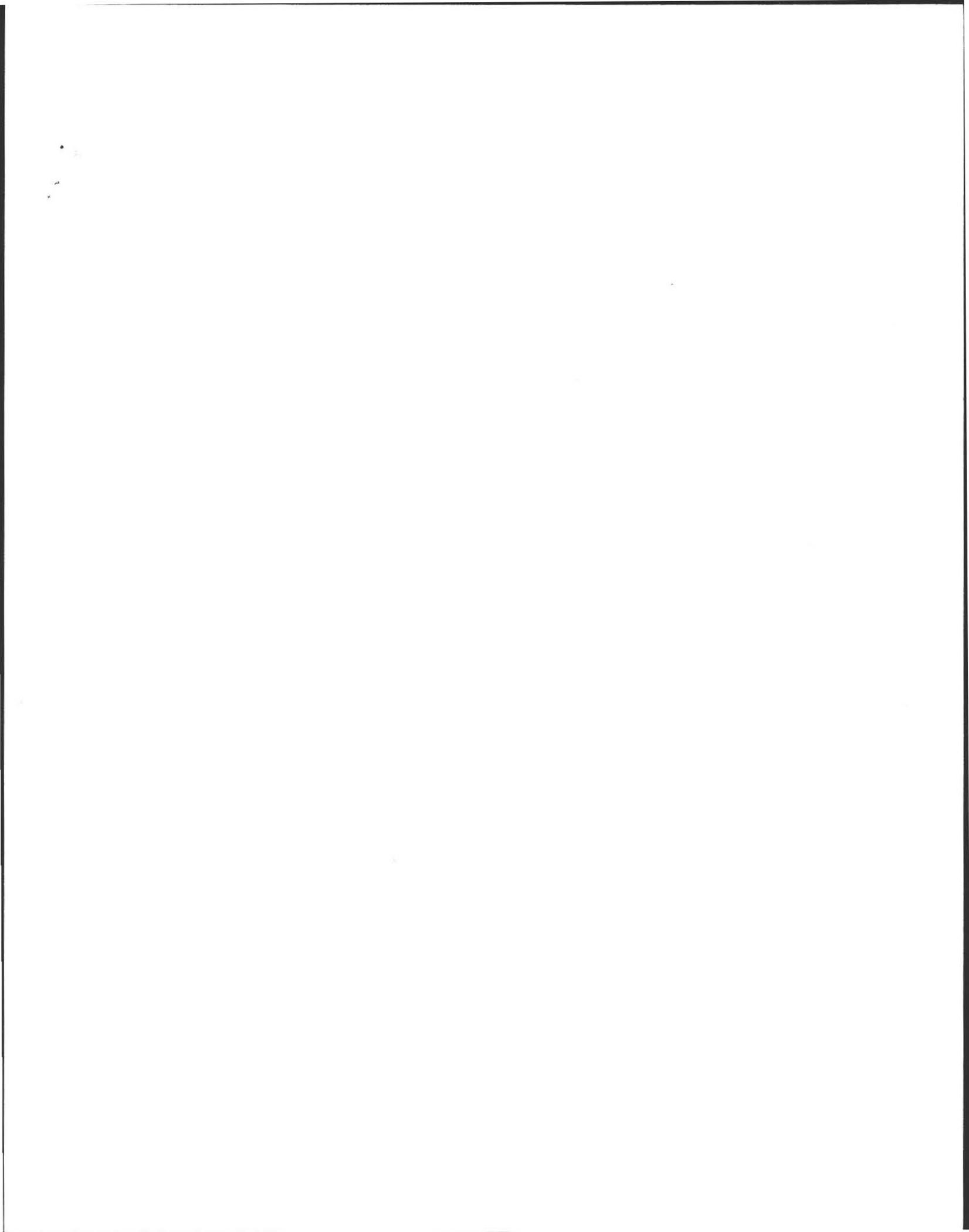
If not, what is the depth of naturally occurring pervious material? _____

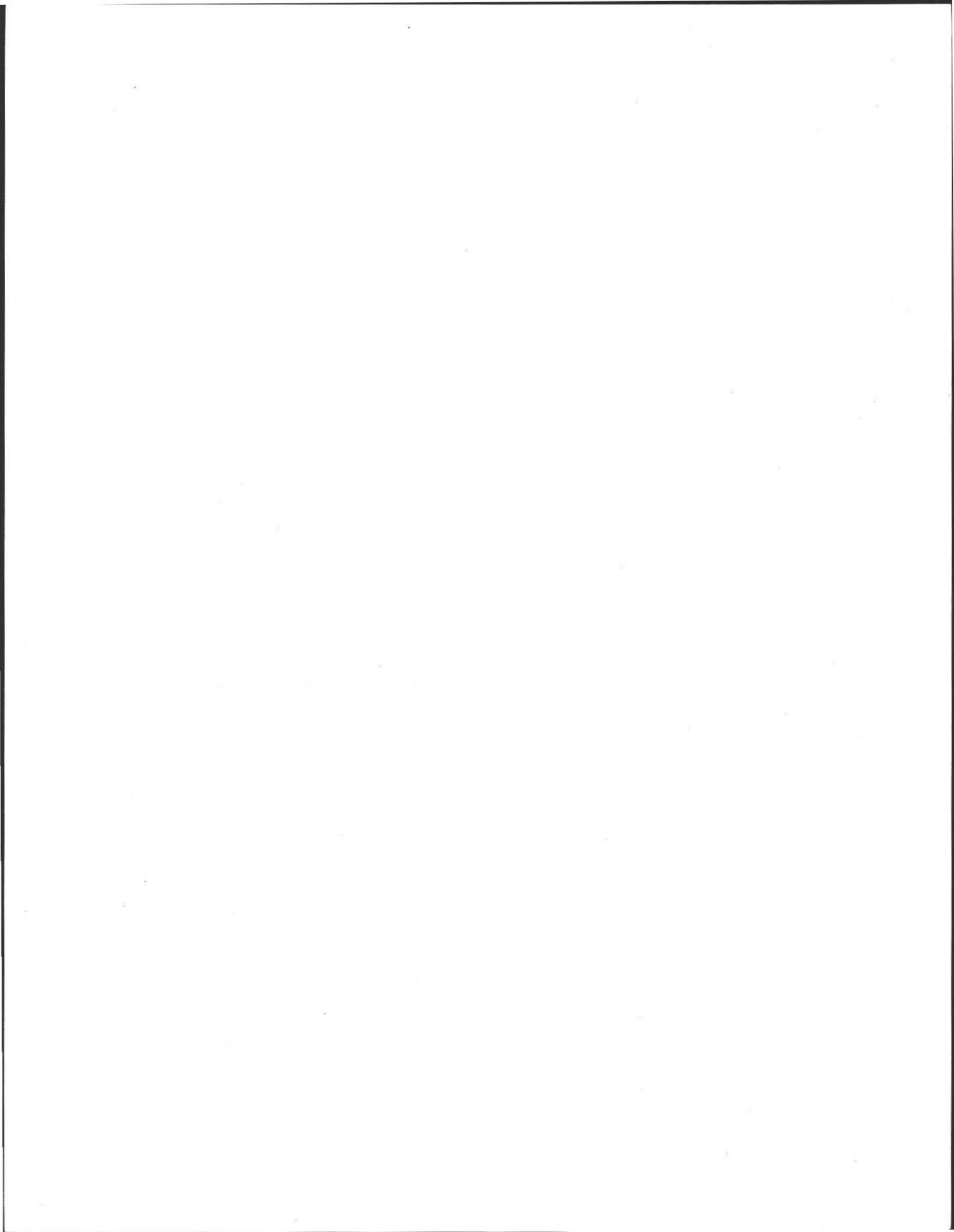
Certification

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 AL Date 10/19/12







CUST NAME
4 BOLTWOOD AVENUE
11/07/12
CITY, ST, ZIP

***TOWN OF A TOWN HAL
AMHERST M REFERENCE
DATE/TIME 10:49

CUST NAME

0
DEPT

DE HEA017

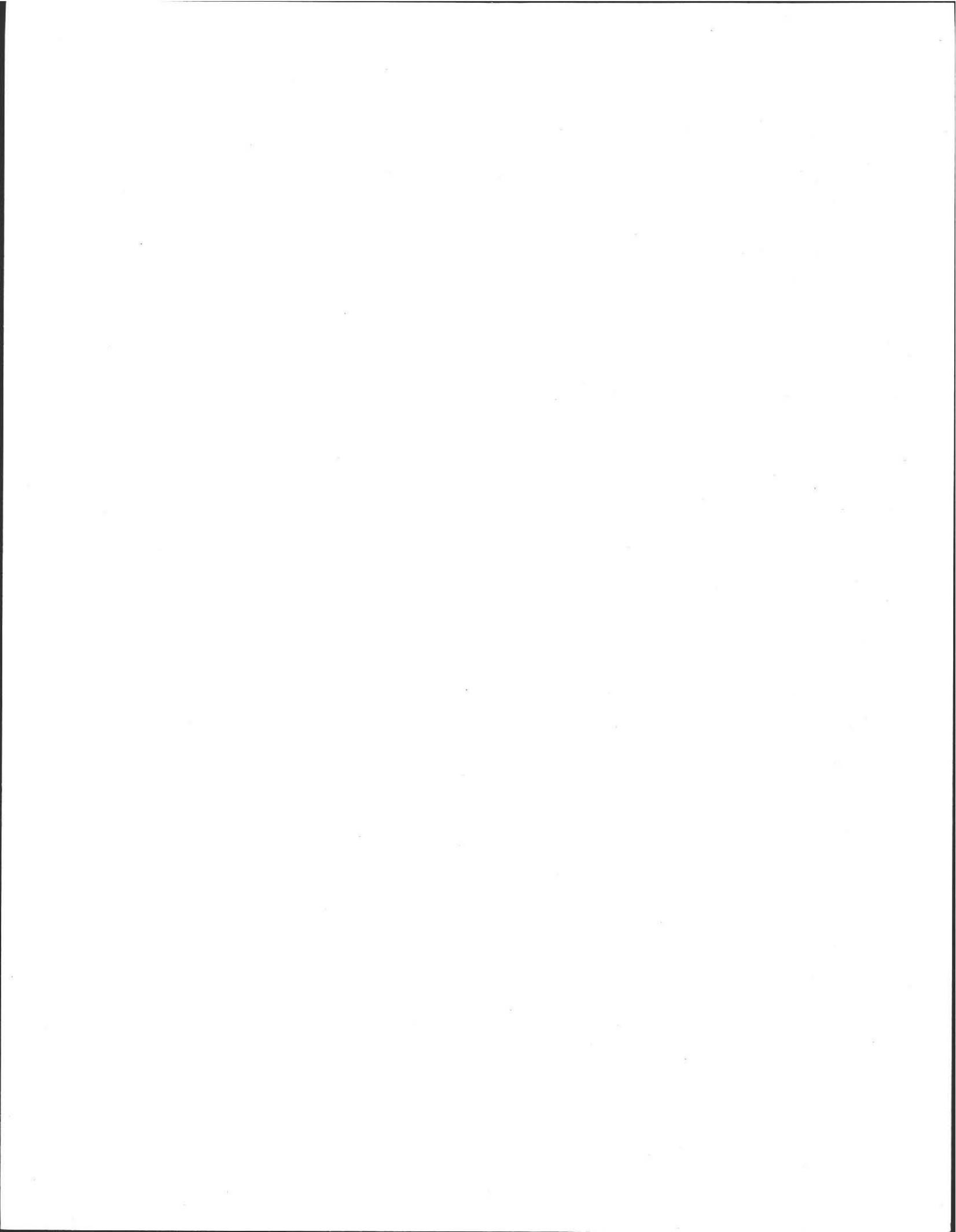
SEPTIC TAN 150.

RECPT TOTAL

150.00
LAWRENCE E QUA CHECK

134

AMOUNT



PROJECT NO.:	13-4			
CITY/TOWN:	AMHERST			
APPLICANT:	JOAN + LAWRENCE ZUKAS / ALAN WEISS (DESIGNER)			
ADDRESS:	216 SILVERSBURY ROAD			
DESIGN FLOW:	466 gpd			
REVIEWED BY:	EDMOND S. SMITH	DATE:	11/6/12	
	Edmond S. Smith			

	N/A	OK	NO
GENERAL			
Legal boundaries denoted [310 CMR 15.220(4)(a)]		✓	
Street, Lot, tax parcel number and lot number noted on plan [310 CMR 15.220(4)(u)]		✓	
Locus Provided [310 CMR 15.220(4)(t)]		✓	
Plan proper scale? (1"=40' for plot plans, 1"= 20' or fewer for components) [310 CMR 15.220(4)]		✓	
Easements shown [310 CMR 15.220(4)(b)]		✓	
System located totally on lot served [310 CMR 15.405(1)(a) for upgrades]- if not, a variance is required [310 CMR 15.412(4)]		✓	
Location of impervious surfaces (driveways, parking areas etc.) [310 CMR 15.220(4)(d)]		✓	
Location all buildings existing and proposed 310 CMR 15.220(4)(c)]		✓	
Location and dimensions of system components and reserve areas. [310 CMR 15.220(4)(e)]		✓	
System Calculations [310 CMR 15.220(4)(f)]		✓	
daily flow		✓	
septic tank capacity (required and provided)		✓	
soil absorption system (required and provided)		✓	
whether system designed for garbage grinder		✓	
North arrow [310 CMR 15.220(4)(g)]		✓	
Existing and proposed contours [310 CMR 15.220(4)(g)]		✓	
Location and log of deep observation holes (existing grade el. on each test) [310 CMR 15.220(4)(h)]		✓	
Names of soil evaluator and BOH representative [310 CMR 15.220(4)(h) and (i)]		✓	
Location and date of percolation tests (performed at proper elevation?) [310 CMR 15.220(4)(i)]		✓	
Percolation test results match loading rate? [310 CMR 15.242]		✓	
Certification statement by Soil Evaluator [310 CMR 15.220(4)(j)]		✓	
Observed and Adjusted groundwater (method for adjustment given or indicated) [310 CMR 15.103(3) and 310 CMR 15.220(4)(n)]		✓	

GENERAL cont.	N/A	OK	NO
Location of every water supply, public and private, [310 CMR 15.220(4)(k)]		✓	
within 400 feet of the proposed system location in the case of surface water supplies and gravel packed public water supply wells		✓	
within 250 feet of the proposed system location in the case of tubular public water supply wells		✓	
within 150 feet of the proposed system location in the case of private water supply wells		✓	
Location of all surface waters and wetlands located up to 100 ft. beyond setbacks listed in 310 CMR 15.211 and any catch basins located within 50 ft. [310 CMR 15.220(4)(l)]		✓	
Water lines and other subsurface utilities located [310 CMR 15.220(4)(m)] (if water line cross see 310 CMR 15.211(1)[1])		✓	
Profile of system showing invert elevations of all system components and the bottom of the SAS [310 CMR 15.220(4)(o)]		✓	
Stamp of designer [310 CMR 15.220(1) and 310 CMR 15.220(2)]		✓	
Stamp of Registered Land Surveyor (required if construction activities within 5 ft. of lot line) [310 CMR 15.220(3)]	✓		
Test Holes adequate (two in each of the primary and reserve unless trenches as permitted in 310 CMR 15.102(2) or as approved for an upgrade under LUA at 310 CMR 15.405(1)(k)]		✓	
Test hole adequate to demonstrate four feet of suitable material? [310 CMR 15.103(4)]		✓	
Test Holes adequate to confirm adequate groundwater separation? [310 CMR 15.103(3)]		✓	
Benchmark within 50-75' of system [310 CMR 15.220(4)(q)]		✓	
Materials specifications noted? [various sections of 310 CMR 15.000]		✓	
System components not > 36" deep (unless Local Upgrade Approval or LUA requested) [310 CMR 15.405(1)(b)]		✓	
All system components marked with magnetic tape 15.221(12)		✓	
SEPTIC TANK			
	N/A	OK	No
Size OK? [310 CMR 15.223(1)]		✓	
Inlet tee located ten inches below flow line [310 CMR 15.227(6)]		✓	
Outlet tee 14" or 14" + 5" per foot for increase ft depth [310 CMR 15.227(6)]		✓	
Outlet tee with gas baffle or approved filter [310 CMR 15.227(4)]		✓	
Note regarding installation on stable compacted base [310 CMR 15.228(1)]		✓	

Separation between inlet and outlet tees (no less than liquid depth) [310 CMR 15.227(2)]		✓		
Inlet/Outlet elevations at least 12" above high groundwater (except as described 310 CMR 15.227(5)) or permitted for upgrades under LUA [310 CMR 15.405(1)(k)]		✓		
Minimum cover 9" (Tanks buried more than 9" must have risers on all openings and on the d-box) [310 CMR 15.2228(1) and 310 CMR 15.232(3)(f)]		✓		
Three access covers (inlet and outlet must be 20" or greater) - middle access at least 8" (by 7/07) [310 CMR 15.228(2)]		✓		
Access to within 6" of grade - one port for systems <1000gpd, two for systems >1000 gpd [310 CMR 15.228(2)]		✓		
All at-grade covers secured to unauthorized access? [310 CMR 15.228(2)]		✓		
> 10 ft from building foundation [310 CMR 15.211(1)]	✓	✓		
Buoyancy calculation Required/Done [310 CMR 15.221(8)]	✓			
H-20 Where appropriate? [310 CMR 15.226(3)]	✓			
Setbacks from resources [310 CMR 15.211]	✓			
Multi-Compartment Tanks				
Required when other than single-family dwelling or flow >1000 gpd [310 CMR 15.223(1)(b)]	✓			
First compartment 200% daily flow; Second compartment 100% daily flow [310 CMR 15.224(2) and (3)]	✓			
"U" pipe through or over baffle, outlet of each compartment with gas baffle or approved filter [310 CMR 15.224(4)]	✓			
BUILDING SEWER AND OTHER PIPING				
	N/A	OK	No	
Located at least ten feet from any water line? [310 CMR 15.222(2)]	✓			
Disposal piping at least 18" below water line (when water and sewer cross, see 310 CMR 15.211(1)[1])	✓			
Cleanouts required/provided? [310 CMR 15.222(8)]	✓			
Thrust blocks specified in force mains? 310 CMR 15.221(6)(c)]	✓			
Slope of sewer line not less than 0.01 (1/8"/ft) 0.02 preferable [310 CMR 15.222(6)]	✓	✓		
Proper pitch on all runs? (.005 within gravity-distributed trenches and beds) [310 CMR 15.251(9) and 310 CMR 15.252(2)(c)]	✓	✓		
Siphon problem/ (leachfield below pump chamber)		✓		
Endcaps or vent manifold specified?		✓		
Size and orientation of discharge holes specified? (not smaller than 3/8" not larger than 5/8") [310 CMR 15.251(8) and 310 CMR 15.252(2)(h)]		✓		
Materials specified (310 CMR 15.251(5) specifies various pipe types allowed)		✓		
DISTRIBUTION BOX				

Stable compacted base [310 CMR 15.221(2) and 310 CMR 15.232(2)(a)]		✓		
Splash plate or baffle tee required on inlet/ provided? (when pressure sewer to d-box or steep pitch of gravity sewer) [310 CMR 15.323(3)(a)]	✓			
Riser if deeper than 9" [310 CMR 15.232(3)(f)]		✓		
Inside minimum dimension 12" [310 CMR 15.232(2)(b)]		✓		
Minimum sump 6" [310 CMR 15.232(3)(e)]		✓		
Watertight cover if <2000gpd; waterproof manhole if >2000gpd [310 CMR 15.232(3)(d)]		✓		
PUMP CHAMBERS				
Capacity (emergency storage above working=design flow)? [310 CMR 231(2)]	✓			
Proper setbacks [310 CMR 15.211 (same as septic tanks)]				
Watertight 20-in minium access manhole at least 20" MUST BE TO GRADE [310 CMR 15.231(5)]				
Service components accessible (not too deep with piping, disconnects accessible)				
Alarm floats - alarm on circuit separate from pumps specified?				
Exceeds two units must have two pumps operating in lead-lag mode. [310 CMR 15.231(6) and (8)]				
Stable Compacted Base [310 CMR 15.221(2)]				
Buoyancy calculations needed ? Provided? [310 CMR 15.221 (8)]				
Dosing chamber capacity (required and provided), pump curves and specifications, number of dosing cycles and depth per cycle? [310 CMR 15.220(4)(r)]				
Effluent tee filter provided? [310 CMR 15.231(10)]				
SOIL ABSORPTION SYSTEMS (SAS) GENERAL		N/A	OK	No.
Calculations correct?			✓	
4 feet of naturally occurring material demonstrated? [310 CMR 15.240(1)]			✓	
Required separation to groundwater? [310 CMR 15.212)]			✓	
Aggregate specified as double washed [310 CMR 15.247(2)]			✓	
System Venting required/provided? (system under driveway or >36" deep) [310 CMR 15.241]			✓	
Inspection ports specified and within 3"final grade? [310 CMR 15.240(13)]			✓	
Breakout requirements met? (No violation of breakout elevation within 15 ft of SAS unless barrier) [310 CMR 15.211(1)[4] and Guidance Document]			✓	
GALLERIES,PITS,CHAMBERS 310 CMR 15.253				
Chambers and Gal. in trench configuration supplied with inlet every 20 ft. [310 CMR 15.253(6)]	✓		✗	
Each structure with one inspection manhole (if >2000 gpd must be to grade) [310 CMR 15.253(2)]	✓			

Aggregate 1' minimum- 4' maximum. [310 CMR 15.253(1)(b)]	✓			
2' sidewall credit maximum [310 CMR 15.253(1)(a)]	✓			
In bed configuration, inlet every 40 sq. ft. [310 CMR 15.253(6)]	✓			
TRENCHES 310 CMR 15.251				
Width 2' minimum 3' maximum [310 CMR 15.251(1)(b)]	✓			
100 feet - maximum length [310 CMR 15.251(1)(a)]				
Minimum separation 2x effective depth or width whichever greater (3x if reserve between trenches) [310 CMR 251(1)(d)]				
Situated along contours [310 CMR 15.251(2)]				
Breakout OK? [310 CMR 15.211(1)[4] and Guidance Document]				
BED SAS (Maximum size of bed or field 5000 gpd)				
minimum 2 distribution lines [310 CMR 15.252(2)(a)]		✓		
Maximum separation between lines 6' [310 CMR R15.252(2)(d)]		✓		
Maximum separation between lines and outside of bed 4' [310 CMR 15.252(2)(e)]		✓		
Aggregate depth below discharge pipes 6" minimum, 12" maximum. [310 CMR 15.252(2)(g)]		✓		
Separation between beds 10' minimum. [310 CMR 15.252(2)(f)]	✓			
Bottom area used in calculations only [310 CMR 15.252(2)(i)]	✓	✓		
DID THE PLAN INVOLVE				
	N/A	OK	No	
<i>Pressure Dosed System ? Provided pump and piping calculations as required [310 CMR 15.220(4)(r)]</i>	✓			
<i>Groundwater Separation Per 310 CMR 15.240(12) does the groundwater separation take into account mounding.</i>	✓			
Pressure dosing required on all systems >2000gpd or alternative systems under remedial approval [310 CMR 15.254(2) and I/A Remedial Use Approvals]	✓			
If used in gravelless system - make sure jet is directed as not to scour soil interface [Guidance Document]	✓			
Inspections once per year (systems< 2000 gpd) or quarterly (>2000gpd) good to note on plan [310 CMR 15.254(2)(d)]	✓			
<i>Construction in fill - Did the plan specify that the fill shall meet the specification of 310 CMR 15.255(3)?</i>	✓			
Impervious barrier and/or retaining wall ? [Guidance Document]	✓			
Impervious barrier installation must be supervised by designer [310 CMR 15.255(2)(b)]	✓			
Retaining wall must be designed by Registered Professional Engineer [310 CMR 15.255(2)(a)]	✓			
Side slope not exceed 3:1 ? [310 CMR 15.255(2)]	✓			
Breakout requirements met? [310 CMR 15.252(2) and Guidance Document]	✓	✓		
At least 5 ft. from impervious barrier to edge of SAS (10 ft. recommended) [310 CMR 15.255 (2)(e)]	✓			

<i>Gravelless System [I/A Approval Letters]</i>			
Check DEP Approval letters for credits and design conditions	✓		
If used with pressure dosing do not allow pressure discharge to scour soil interface	✓		
<i>Alternative Septic System [I/A Approval Letters]</i>			
Was DEP Approval Letter provided and/or have you reviewed the letter for conditions?	✓		
Is the technology being properly applied and does it meet all DEP Approval Conditions?			
Is there a note on the plan regarding the requirement for perpetual maintenance agreement?			
Any alarms involved on separate circuits			
Did the applicant submit an operation and maintenance manual?			
Has applicant submitted a copy of a maintenance agreement?			
<i>Variations</i>			
Are the variations listed on the plan ? [310 CMR 15.220 (4) (p)]	✓		
RLS Stamp necessary on plan if a component is within five feet of property line [310 CMR 15.412(4)]	✓		
New construction or increased flow proposed - [Refer to 310 CMR 15.414]	✓		
<i>Nitrogen Sensitive Areas</i>			
	N/A	OK	No
Is the system in a Designated Nitrogen Sensitive Area (Zone II for a public supply well)? [310 CMR 15.214, 310 CMR 15.215 and 310 CMR 15.216 - also refer to Policy regarding upgrades of such existing systems]			✓
Is the system proposed on the same lot as served by private well ? [310 CMR 15.214(2)]	✓	OK	
Are the nitrogen loads proposed in compliance? [310 CMR 15.216(1)]	✓		
<i>Miscellaneous</i>			
Pumping to septic tank ? [310 CMR 15.229]	✓		
Shared System [310 CMR 15.290]	✓		



Commonwealth of Massachusetts
 City/Town of Amherst
**Application for Disposal System
 Construction Permit**
 Form 1A



Number _____
 \$ _____
 Fee _____

DEP has provided this form for use by local Boards of Health if they choose to do so. Before using the form, check with your local Board of Health to make sure that they will accept it.

A. Facility Information

Important:
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Application is hereby made for a permit to: Construct a new on-site sewage disposal system
 Repair or replace an existing on-site sewage disposal system
 Repair or replace an existing system component

1. Location of Facility:

216 Shutesbury Road
 Address or Lot #
 Amherst MA 01002
 City/Town State Zip Code

2. Owner Information

Joan and Lawrence Zukas
 Name
 Address (if different from above)
 City/Town State Zip Code
 Telephone Number

3. Installer Information

Al Konieczny Karls Site Work
 Name Name of Company
 River Dr
 Address
 Hadley MA 01035
 City/Town State Zip Code
 549*5396
 Telephone Number

4. Designer Information

Alan Weiss, RS, # 933, Hydrogeologist Cold Spring Environmental Consultants Inc.
 Name Name of Company
 350 Old Enfield Road
 Address
 Belchertown MA 01007
 City/Town State Zip Code
 413.323.5957
 Telephone Number





Commonwealth of Massachusetts
 City/Town of Amherst
**Application for Disposal System
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 Form 1A

Number _____
 \$ _____
 Fee

A. Facility Information (continued)

5. Type of Building:

Dwelling Garbage Grinder (check if present)

Other: Type of Building 3-4 Bedroom Number of Persons Served

Showers Number of showers Cafeteria Other fixtures

Specify other fixtures: _____

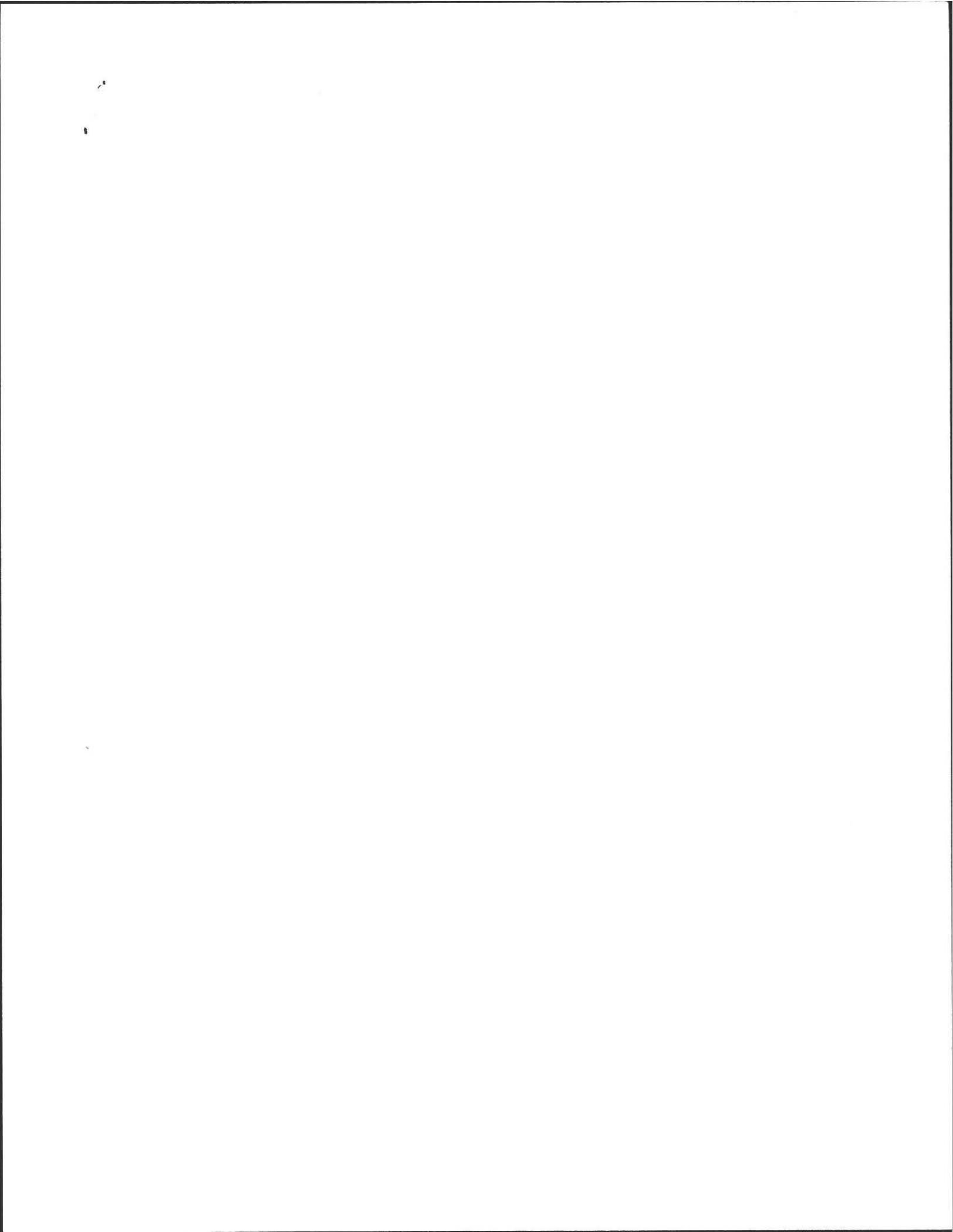
6. Design Flow: 440
 Gallons per Day
 Calculated Daily Flow: 466
 Gallons

7. Plan: 10.29.2012
 Date of Original
1
 Number of Sheets Revision Date
Septic System Repair Plan
 Title of Plan

8. Description of Soil:
LS: C. sand & Gravel

9. Nature of Repairs or Alterations (if applicable):
New S. tank and L. field

10. Date last inspected: _____
 Date





Commonwealth of Massachusetts
 City/Town of Amherst
**Application for Disposal System
 Construction Permit**
 Form 1A

Number _____

\$ _____
 Fee

B. Agreement

The undersigned agrees to ensure the construction and maintenance of the aforescribed on-site sewage disposal system in accordance with the provisions of Title 5 of the Environmental Code and not to place the system in operation until a Certificate of Compliance has been issued by this Board of Health.

 Signature

 Date

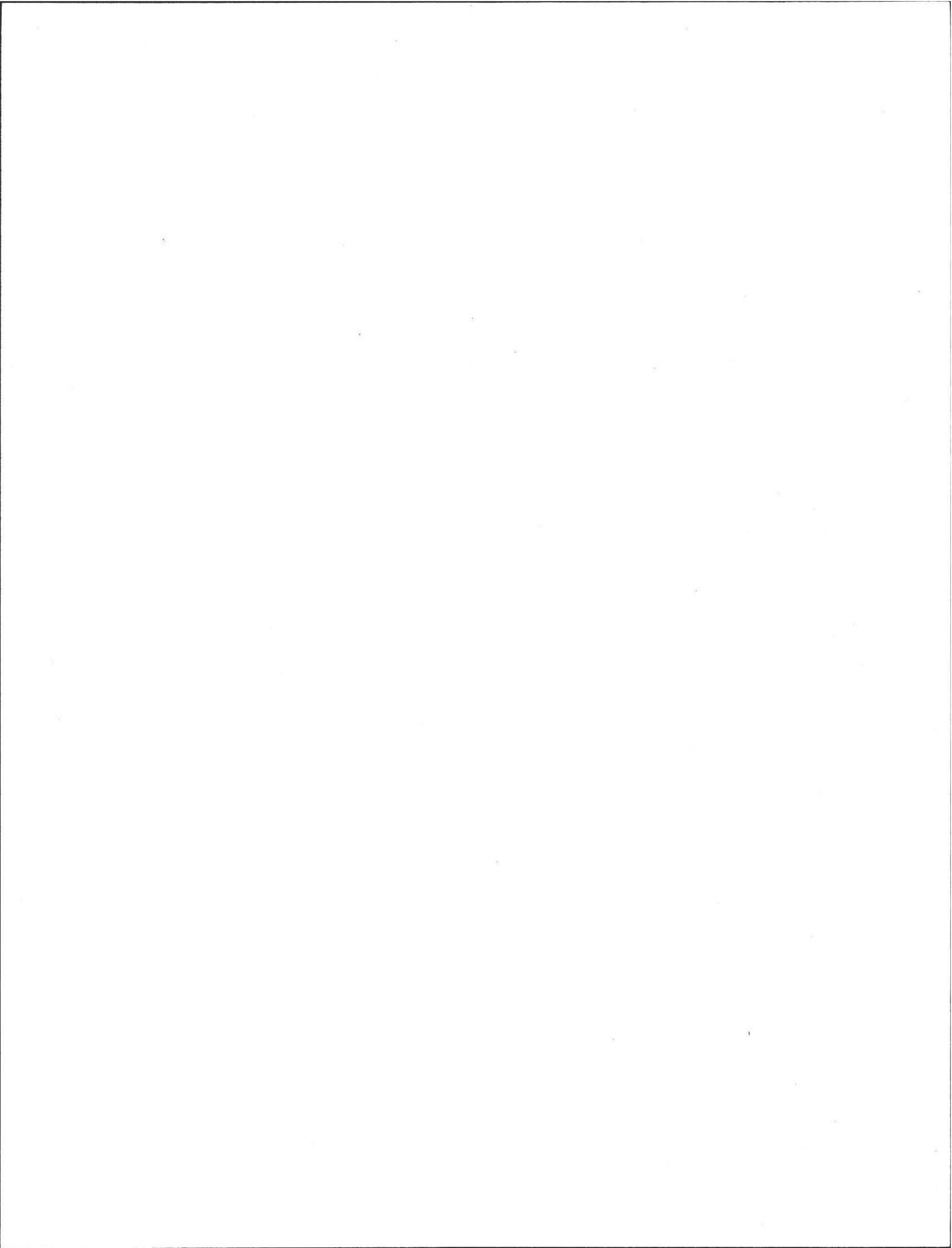
Application Approved By:

 Name

 Date

Application **Disapproved** for the following reasons:





CUST NAME
4 BOLTWOOD AVENUE
10/24/12
CITY, ST, ZIP

***TOWN OF A TOWN HAL
AMHERST M REFERENCE
DATE/TIME 07:14

CUST NAME

0
DEPT

DE HEA011

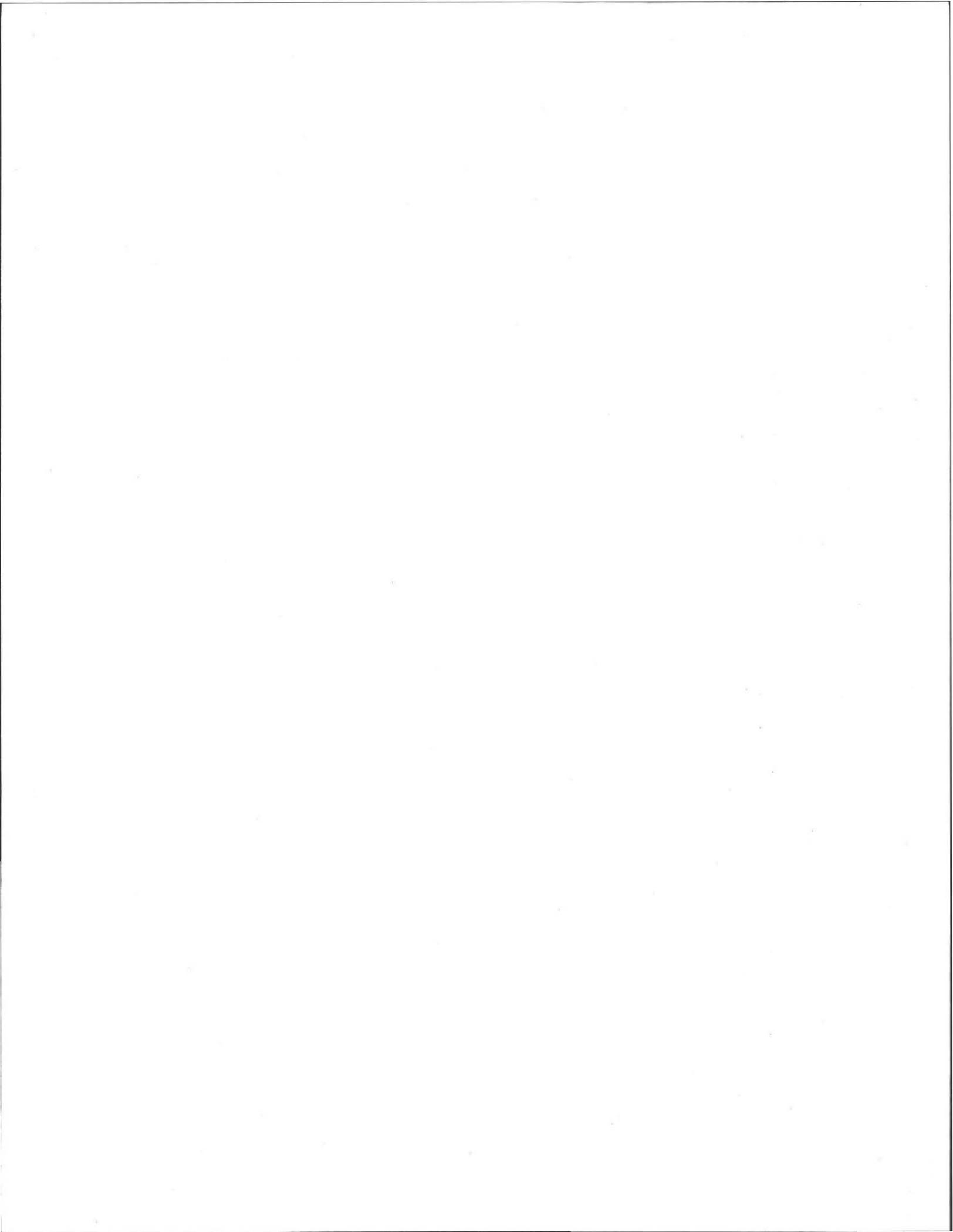
PERCOLATIO 300.

RECPT TOTAL

300.00
LAWRENCE E QUA CHECK

131

AMOUNT





Commonwealth of Massachusetts

City/Town of

Form 11 - Soil Suitability Assessment for On-Site Sewage Disposal

10/22/2012

C. On-Site Review (continued)

Deep Observation Hole Number: _____

#1

Depth (in.)	Soil Horizon/Layer	Soil Matrix: Color-Moist (Munsell)	Redoximorphic Features (mottles)			Soil Texture (USDA)	Coarse Fragments % by Volume		Soil Structure	Soil Consistence (Moist)	Other
			Depth	Color	Percent		Gravel	Cobbles & Stones			
0-24	A+Fill	F ₃ L 10YR ³ /2									
24-45	B _w	5L 7.5YR ⁵ /4									
45-108	C	LS 10YR ⁵ /6	64"	7.5YR ⁵ /6	2.5Y ⁴ /2						
0-16	A _F	F ₃ L 10YR ³ /2									
16-34	B _w	5C 7.5Y ⁵ /4	62"	7.5Y ⁵ /4							
34-98	C ₁	LS 10YR ⁵ /6		10YR ⁵ /6	7.5YR ⁵ /8						

#2

Additional Notes:

Mossice / see website (flushing) lukas@aol.com



Commonwealth of Massachusetts
City/Town of

Form 11 - Soil Suitability Assessment for On-Site Sewage Disposal

C. On-Site Review (continued)

Deep Observation Hole Number: _____ **Date** _____ **Time** _____ **Weather** _____

1. Location

Ground Elevation at Surface of Hole: _____ Location (identify on plan): _____

2. Land Use _____ (e.g., woodland, agricultural field, vacant lot, etc.) _____ Surface Stones _____ Slope (%) _____

Vegetation _____ Landform _____ Position on Landscape (attach sheet) _____

3. Distances from: Open Water Body _____ feet _____ Drainage Way _____ feet _____ Possible Wet Area _____ feet _____

Property Line _____ feet _____ Drinking Water Well _____ feet _____ Other _____ feet _____

4. Parent Material: _____ Unsuitable Materials Present: Yes No

If Yes: Disturbed Soil Fill Material Impervious Layer(s) Weathered/Fractured Rock Bedrock

5. Groundwater Observed: Yes No If yes: _____ Depth Weeping from Pit _____ Depth Standing Water in Hole _____

Estimated Depth to High Groundwater: _____ inches _____ elevation _____

OWNER Larry Zukas

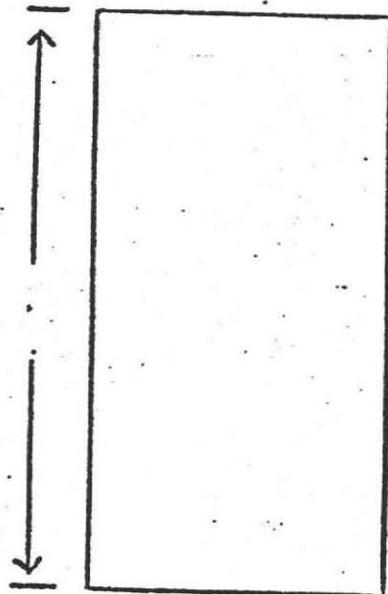
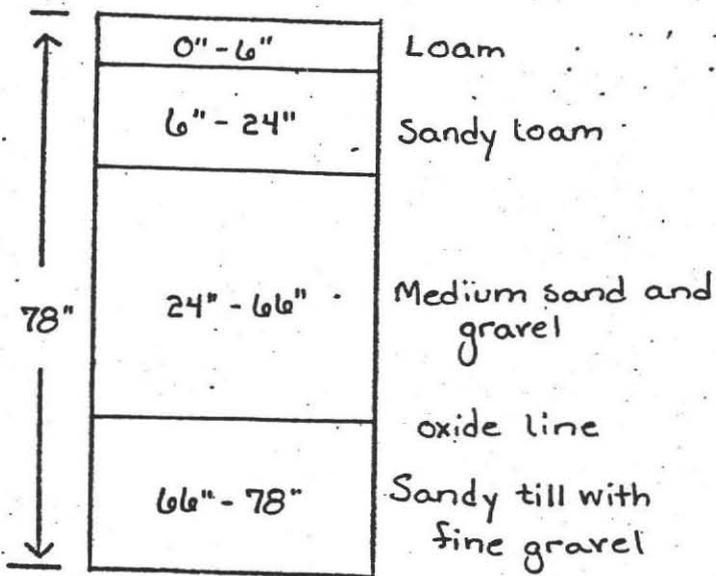
DATE April 29, 1983

LOCATION Lot #6

OBSERVER F.A. Filios

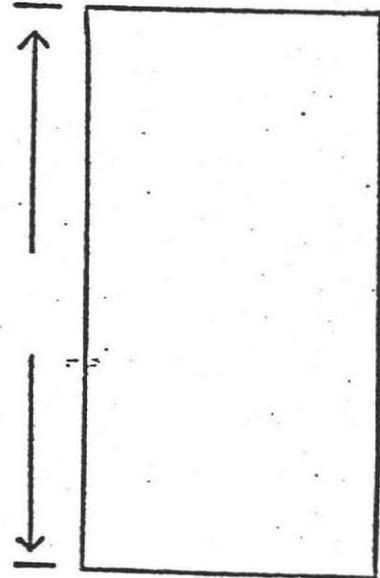
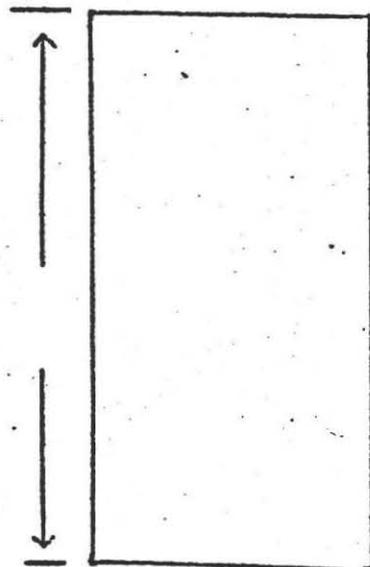
Shutesbury Rd., Amherst

Deep Hole by John A. Brickett R.S.



GROUND WATER none oxide at 66"

GROUND WATER _____



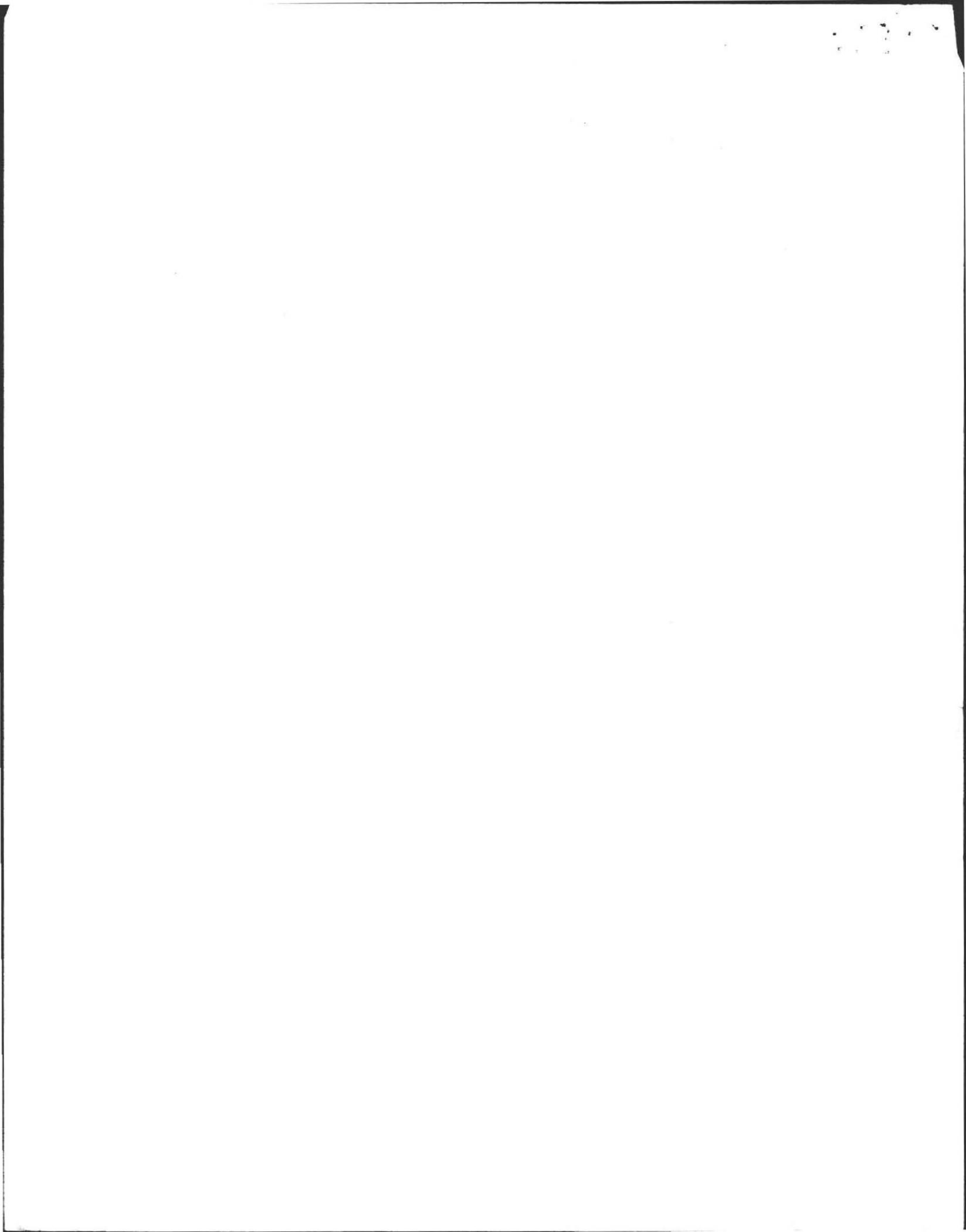
GROUND WATER _____

GROUND WATER _____

PERCOLATION RATE AT 22":

2.8 min./inch





PLAN SHOWING SEWAGE DISPOSAL

For: Larry Zukas
 c/o John Hondrogen
 Rt-1, Box 284, Williamsburg, MA

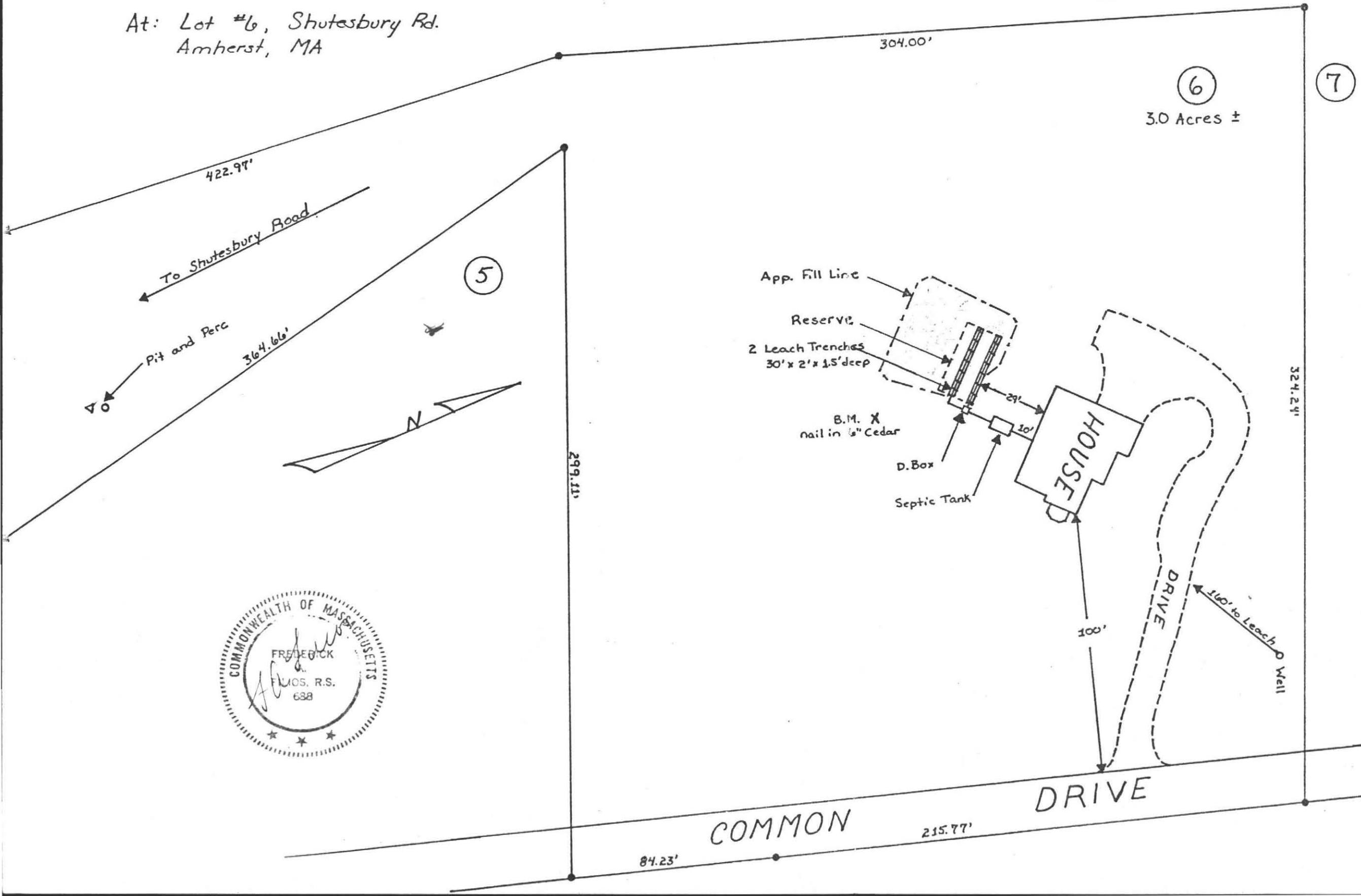
Scale: 1" = 40'

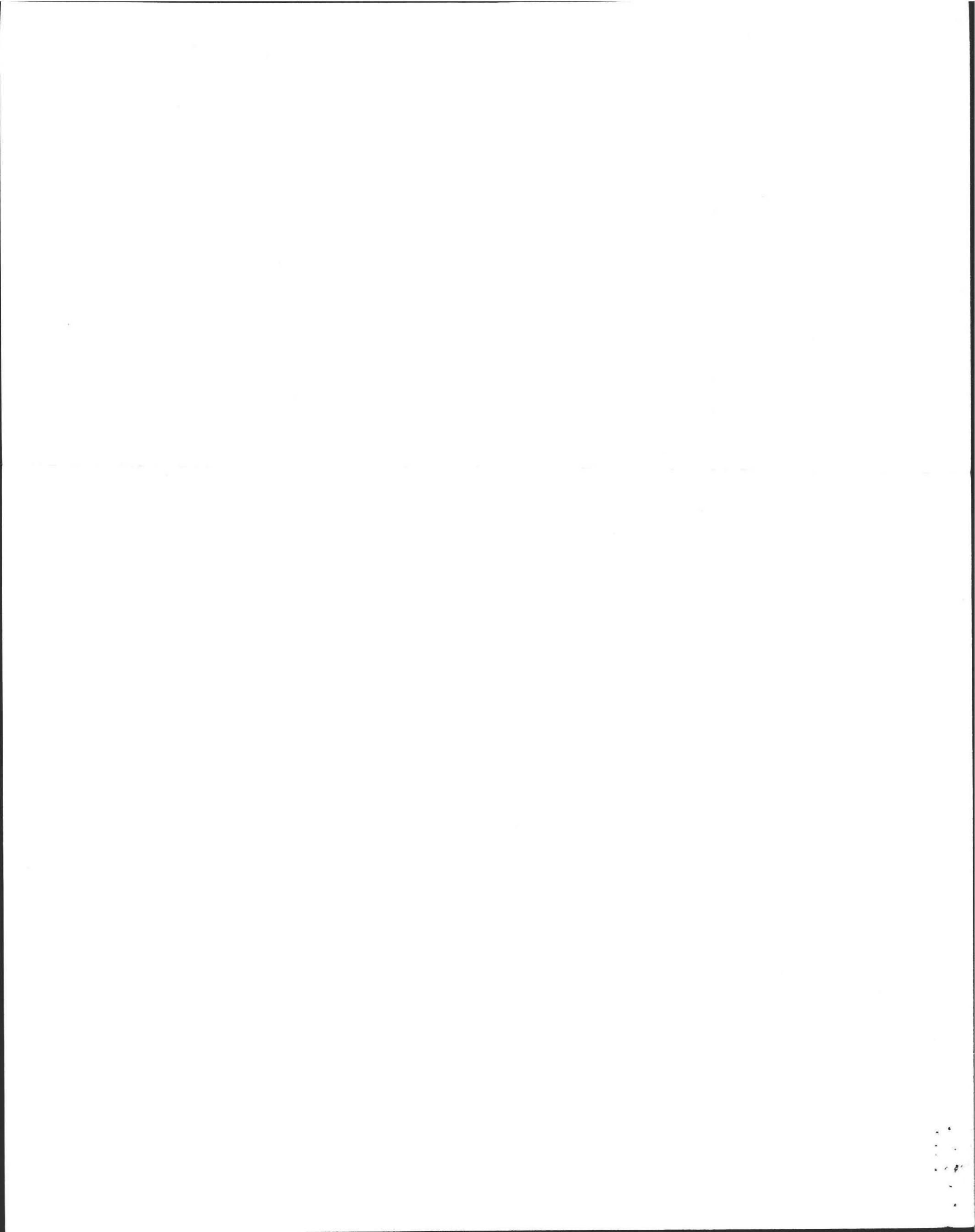
Date: July 30, 1984

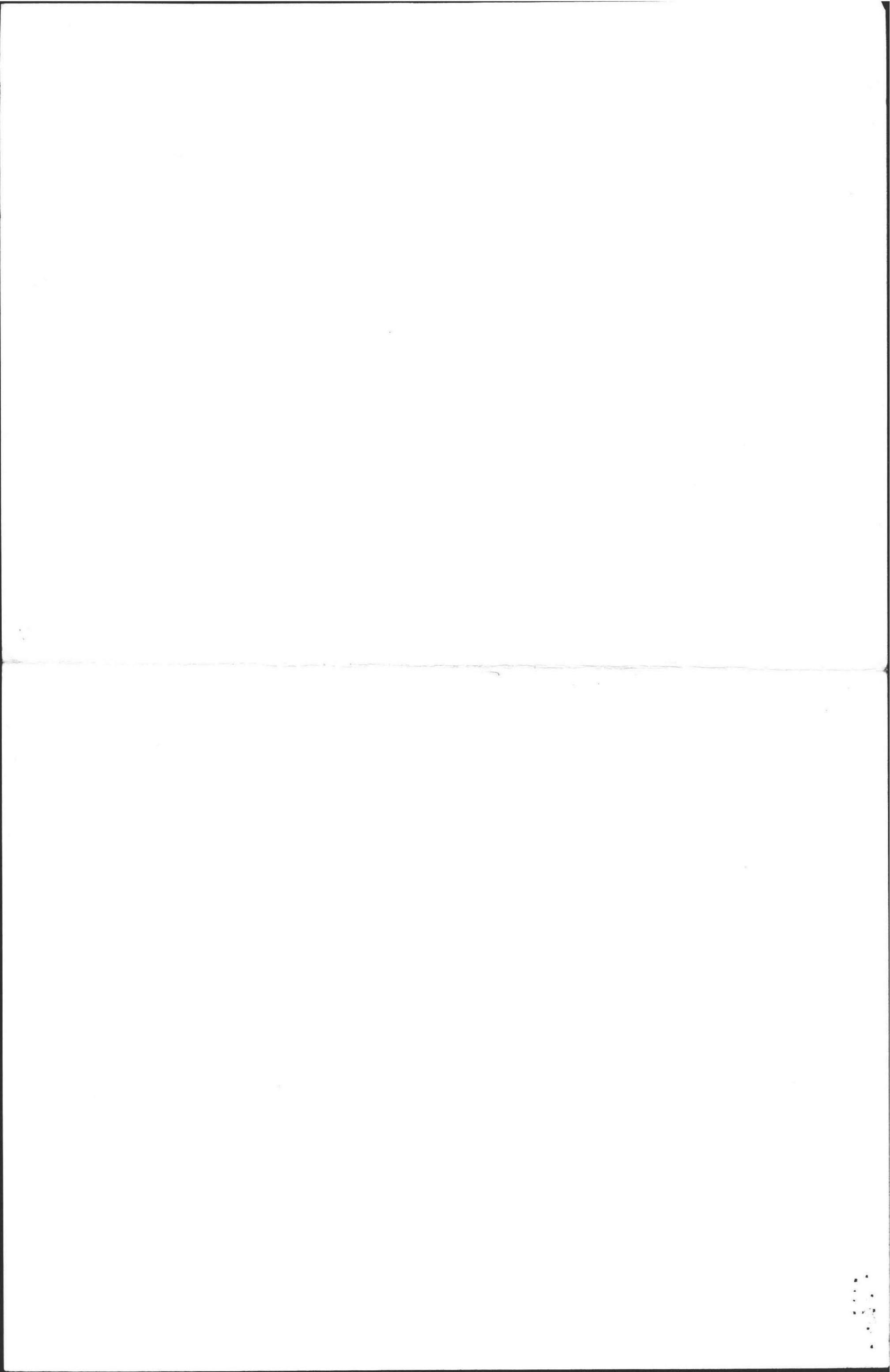
By: Frederick A. Filios

Note: No other wells
 within 200 feet.

At: Lot #6, Shutesbury Rd.
 Amherst, MA







No. 85-28

268 3361

216

FEE #90

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

Town OF Amherst

Application for Disposal Works Construction Permit



Application is hereby made for a Permit to Construct () or Repair () an Individual Sewage Disposal

System at:

216 Shutesbury Road #6
Location - Address
Larry Zukas c/o John Handrogen Rt-1, Box 284, Williamburg, MA or Lot No.
BENNETT CONSI. COR WENDELL, MA. Address
Installer Address

Type of Building
Dwelling - No. of Bedrooms 3 Expansion Attic () Garbage Grinder (- No)
Other - Type of Building No. of persons Showers () - Cafeteria ()
Other fixtures

Design Flow 5.5 gallons per person per day. Total daily flow 330 gallons.
Septic Tank - Liquid capacity 1000 gallons Length Width Diameter Depth
Disposal Trench - No. 2 Width 2' Total Length 60 Total leaching area 120 sq. ft. sides
Seepage Pit No. Diameter Depth below inlet Total leaching area 120 sq. ft. bottom
Other Distribution box () Dosing tank ()
Percolation Test Results Performed by Frederick A. Filios Date April 29, 83
Test Pit No. 1 4 minutes per inch Depth of Test Pit 78" Depth to ground water none
Test Pit No. 2 minutes per inch Depth of Test Pit Depth to ground water oxide at 66"

Description of Soil Enclosed ADD 1-30 FT TRENCH TO PLAN

Nature of Repairs or Alterations - Answer when applicable

Agreement:
The undersigned agrees to install the aforescribed Individual Sewage Disposal System in accordance with the provisions of TITLE 5 of the State Sanitary Code - The undersigned further agrees not to place the system in operation until a Certificate of Compliance has been issued by the board of health.

Signed [Signature] Date 8/2/85
Application Approved By [Signature] Date 8/2/85
Application Disapproved for the following reasons:

Permit No. 85-28 Issued AUG 2, 1985 Date

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

Certificate of Compliance

THIS IS TO CERTIFY, That the Individual Sewage Disposal System constructed () or Repaired () by

at
has been installed in accordance with the provisions of TITLE 5 of The State Sanitary Code as described in the application for Disposal Works Construction Permit No. dated

THE ISSUANCE OF THIS CERTIFICATE SHALL NOT BE CONSTRUED AS A GUARANTEE THAT THE SYSTEM WILL FUNCTION SATISFACTORY.

DATE Inspector

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

Town OF Amherst

No. 85-28 FEE 890

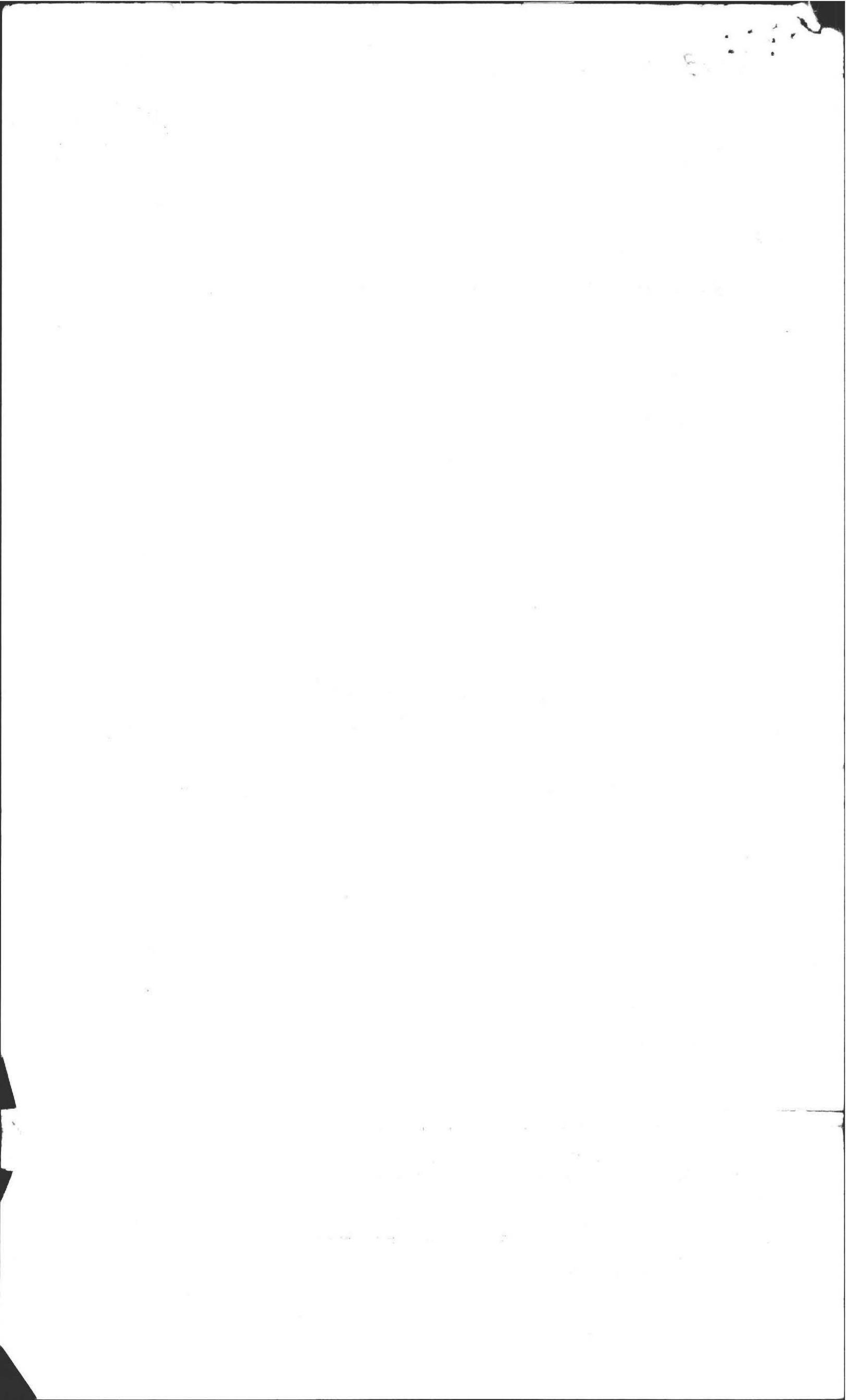
Disposal Works Construction Permit

Permission is hereby granted NOT #6 - SHUTESBURY RD. - HONDROGEN CONSI BENNETT CONSI.
to Construct () or Repair () an Individual Sewage Disposal System
at No. NOT #6 SHUTESBURY RD

as shown on the application for Disposal Works Construction Permit No. 85-28 Dated 8/2/85
CE Drakog
Board of Health

DATE AUG. 2, 1985

CHECK OR FILL IN WHERE APPLICABLE

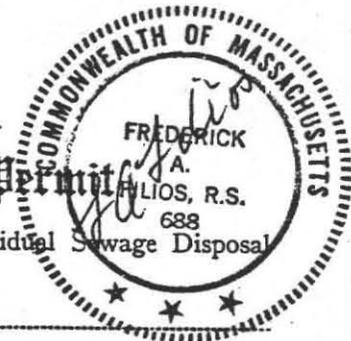


85-29

BOARD OF HEALTH

Town of Amherst

Application for Disposal Works Construction Permit



Application is hereby made for a Permit to Construct (✓) or Repair () an Individual Sewage Disposal System at:

Shutesbury Road #6
Location - Address
Largy Zukas c/o John Handrogen Rt-1, Box 284, Williamburg, MA
Owner
Bennett Cross
Installer

Type of Building
Dwelling - No. of Bedrooms 3 Expansion Attic () Garbage Grinder (- No)
Other - Type of Building No. of persons Showers () - Cafeteria ()
Other fixtures

Design Flow 55 gallons per person per day. Total daily flow 330 gallons.
Septic Tank - Liquid capacity 1000 gallons Length Width Diameter Depth
Disposal Trench - No. 2 Width 2' Total Length 40 Total leaching area 120 sq. ft. sides
Seepage Pit No. Diameter Depth below inlet Total leaching area 120 sq. ft. bottom
Other Distribution box (✓) Dosing tank ()
Percolation Test Results Performed by Frederick A. Filios Date April 29, 83
Test Pit No. 1 4 minutes per inch Depth of Test Pit 78" Depth to ground water none
Test Pit No. 2 minutes per inch Depth of Test Pit Depth to ground water oxide at 66"

Description of Soil Enclosed

Nature of Repairs or Alterations - Answer when applicable

Agreement:

The undersigned agrees to install the aforescribed Individual Sewage Disposal System in accordance with the provisions of TITLE 5 of the State Sanitary Code - The undersigned further agrees not to place the system in operation until a Certificate of Compliance has been issued by the board of health.

Signed [Signature]
Application Approved By [Signature] Date 8/29/83

Application Disapproved for the following reasons:

Permit No. 85-29 Issued 8-29 Date

BOARD OF HEALTH

OF

Certificate of Compliance

THIS IS TO CERTIFY, That the Individual Sewage Disposal System constructed () or Repaired () by

at

has been installed in accordance with the provisions of TITLE 5 of The State Sanitary Code as described in the application for Disposal Works Construction Permit No. dated

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DATE Inspector

CHECK OR FILL IN WHERE APPLICABLE

