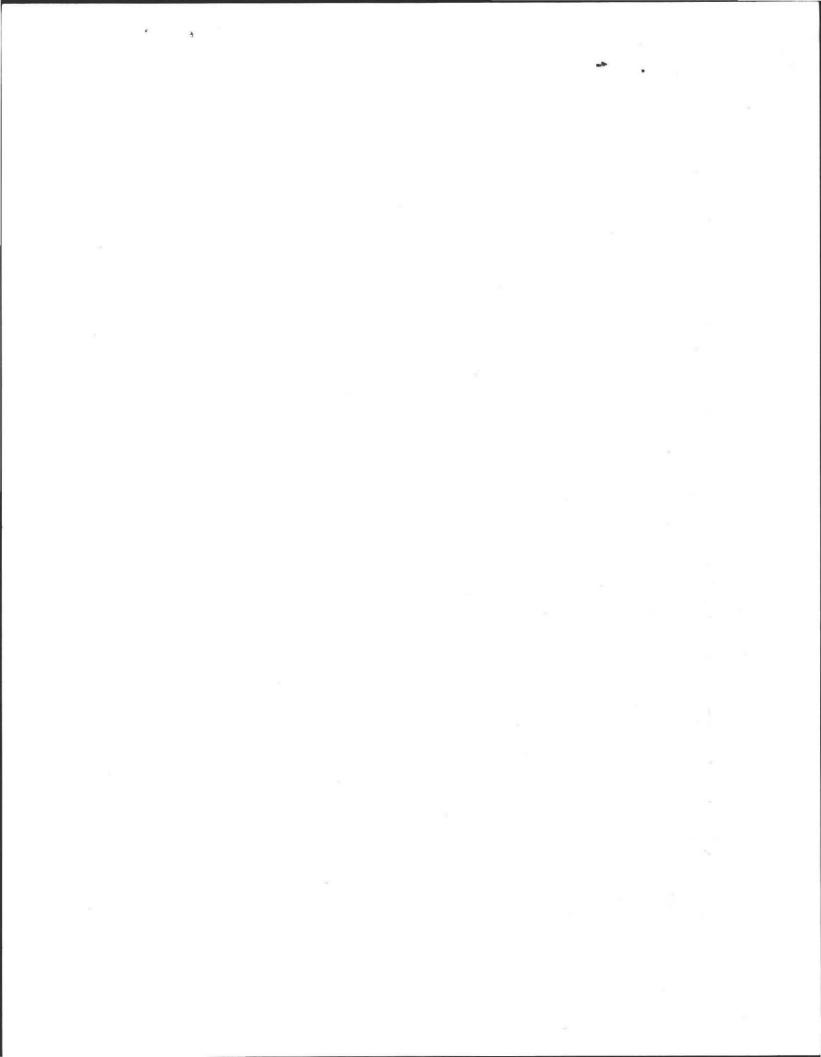
21 High Town 1 Code 8. I. I. I.



1)0155 Designed by: Plan: CHECK LIST FOR SEPTIC PLANS 4 Application page attached to plan PE or RS stamp, date, signature Variances to property line setback distances must have Surveyor Stamp 15020 (3). Legal boundaries noted Easements noted Dwellings and buildings existing or proposed noted Location of driveway or parking areas, other impervious areas Location and dimensions of reserve area (new) CMR 15.248(1), 15.104(4) (Repaire) Y System design calculations Garbage grinder Y or Benchmark not disturbed during construction, within 75 feet of facility CMR15.220 (4)(q) North arrow CMR 15.200 (4) (g) Contours Deep hole location and data Perc hole location and data Elevations Names of approving authority and soil evaluator CMR 15.211 p. 49 Location of every water supply, public and private CMR 15.220(k): Within 400 feet of system in case of surface water and gravel packed public water supply Within 250 feet of system in case of tubular public water supply Within 150 feet of private supply wells 100' septic sys. 55' tank Well statement if applicable (INSTALL NEW WELL IN BOCK OF HOUSE) Location of any surface waters, rivers, vegetated wetlands (NOTED - CON CON approval Location of water lines and other subsurface utilities Observed and adjusted ground water elevation in the vicinity of system 15.220 (4)(n) Profile of system Locus plan to show location of facility, including nearest street Materials of construction and specs for system Gas Baffle 15,227.4 Pipe in center line of tank 310 CMR 15.227, 15.06(8) Double washed stone 2 Schedule 40 PVC for trafficked areas, house to tank 1 Distances noted from house to tank, etc. If dosing is proposed, design and specs of dosing system Pump clan ber When alternative technology is required, complete plan and specs, including hydraulic profile Trenches preferred over beds CMR 15.240 (6) Buoyancy calculations for tanks or components partly below H20 table 15.221(8) p. 56 NIA 3 to 1 slope outside of mound, toe ending 5 feet from property line Local upgrade requests on the plan NPLocal upgrade forms attached to application NA - well only Note on plan listing all variances sought in conjunction with the plan ON 4/15/17 NOTES: ppproved



r 06 11 08:15a Alan Weiss

-6-2011 07:33A FROM: QUABBIN

413-323-5033

413-323-4916 20:3234916 2999 - ST 2000



Quabbin Analytical Laboratory

Box 1192 Stadler Street, Belchertown, MA 01007

Atta: Javera M. Fen Alan W.

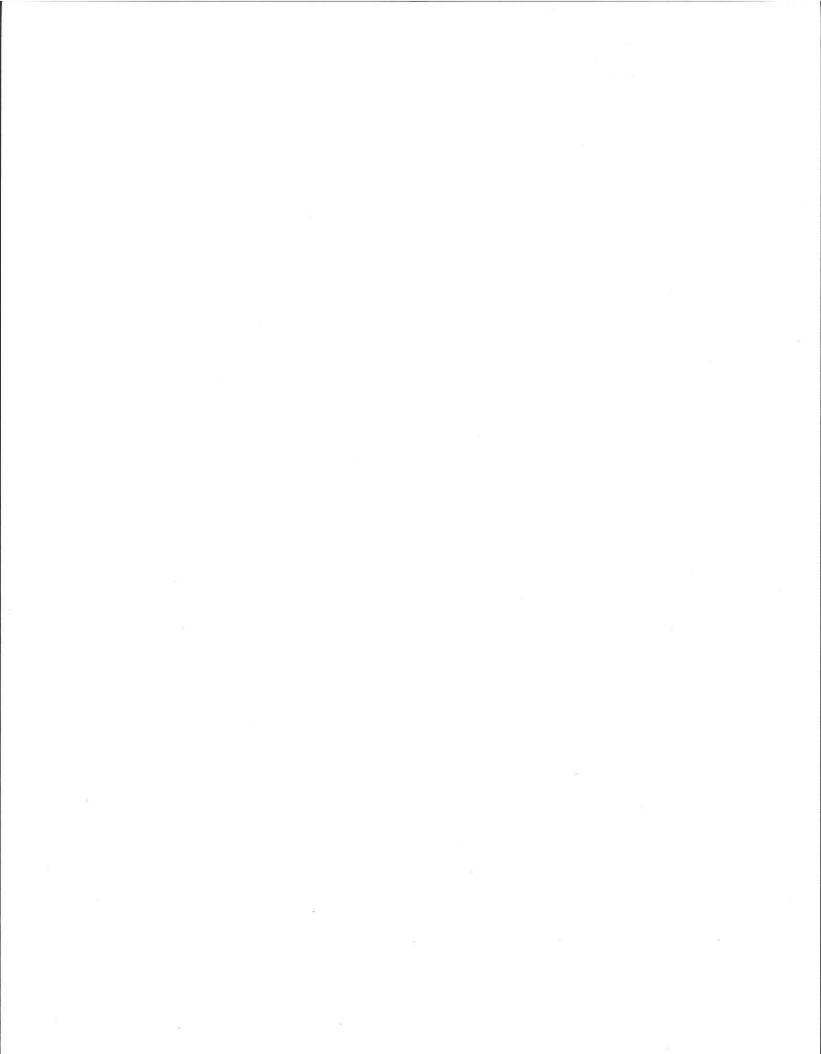
(413)-323-7134

Name: Peterfreund Associates Sample Date: Address: 30 Boltwood Walk Report Date: Amherst, MA 01002 Collected By: Sample Location: Type Supply: 21 High Point Dr. Sample No .: Amherst, MA 01002 Lab ID#:

6	5-21-10
Mt. S	prings Pump
	Well
QAL-899	4 with SP-8363
M-02454	4 & M-MA 138

TESTED FOR	RESULTS	MAX. RECOMMENDED LEVELS
Total Coliform Bacteria	*Present	Present or Absent
Fecal Coliform Bacteria	Absent	Present or Absent
Nitrite	0	1.0 mg/l
Nitrate	0.3	10.0 mg/l
PH	7.40	6.5-8.5
Alkalinity	76.0	No Limit
lron	.04	.30 mg/l
Manganese	*.24	.05 mg/l
Copper	0	1.3 mg/l
Sulfate	21.0	250 mg/l
Chloride	58.2	250 mg/l
Hardness	160.0	No Limit
Conductivity	385.0	No Limit
Total Dissolved Solids	254.1	500 mg/l
Furbidity	*14.3	5 NTU
Chlorine	0	No Limit
Sodium	10.3	No Limit

Results are only for those items listed above and on the above collected date. Except for the following "Total Coliform Bacteria, Anganese & Turbidity, the sample was found to be within acceptable levels for D.E.P. Drinking Water Standards. If there are any questions on this report, please do not hesitate to call this office. David Fredenburgh, Director



Apr 06 11 08:15a Alan Weiss

APR-6-2011 07:33A FROM: QUABBIN

413-323-5033

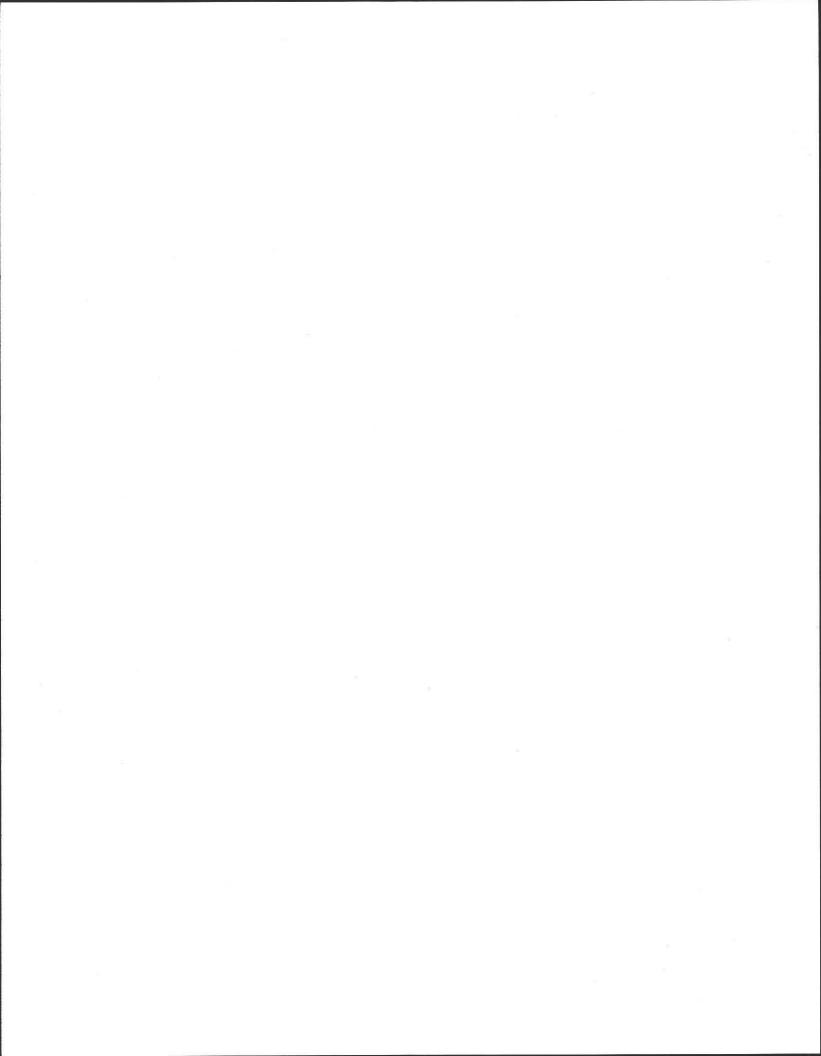
413-323-4916 TO: 3234916

QAL # 8994 Continued		Page 2
TESTED FOR	RESULTS	MAX. RECOMMENDED LEVELS
Potassium	3.4	No Limit
Magnesium	5.9	No Limit
Calcium	57.6	No Limit
Ammonia	0	No Limit
Sediment	Neg	Pos or Neg
Color	1.0	15 cu
Odor	0	3 ton
Arsenic	0.0070	0.01 mg/l
Lead	0	0.015 mg/l
· · · · · · · · · · · · · · · · · · ·		
······································	1	
	1	
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p.2

5.9





COLD SPRING ENVIRONMENTAL CONSULTANTS INC.

- 21E Site Investigations
- Subsurface Investigations
- Pollution Remediation
- LSP on Staff
- Forensic Septic Investigations

April 15, 2010

Mr. Gary Courtemanche, Inspector Amherst Board of Health Bangs Center Amherst, MA 01002

RE: Request for New Private well at Existing Residence at 21 Highpoint Drive,

Dear Mr. Courtemanche,

In accordance with your Regulations for Private wells Please note the following.

- 1. A plan detailing the location of the proposed well is attached.
- 2. All potential sources of contamination (septics underground tanks are noted within 200 feet.
- 3. The current land uses include residential and agricultural past and present.
- 4. Notification of all abutters within 150 by Certified Return Receipt Mail is completed concurrently.

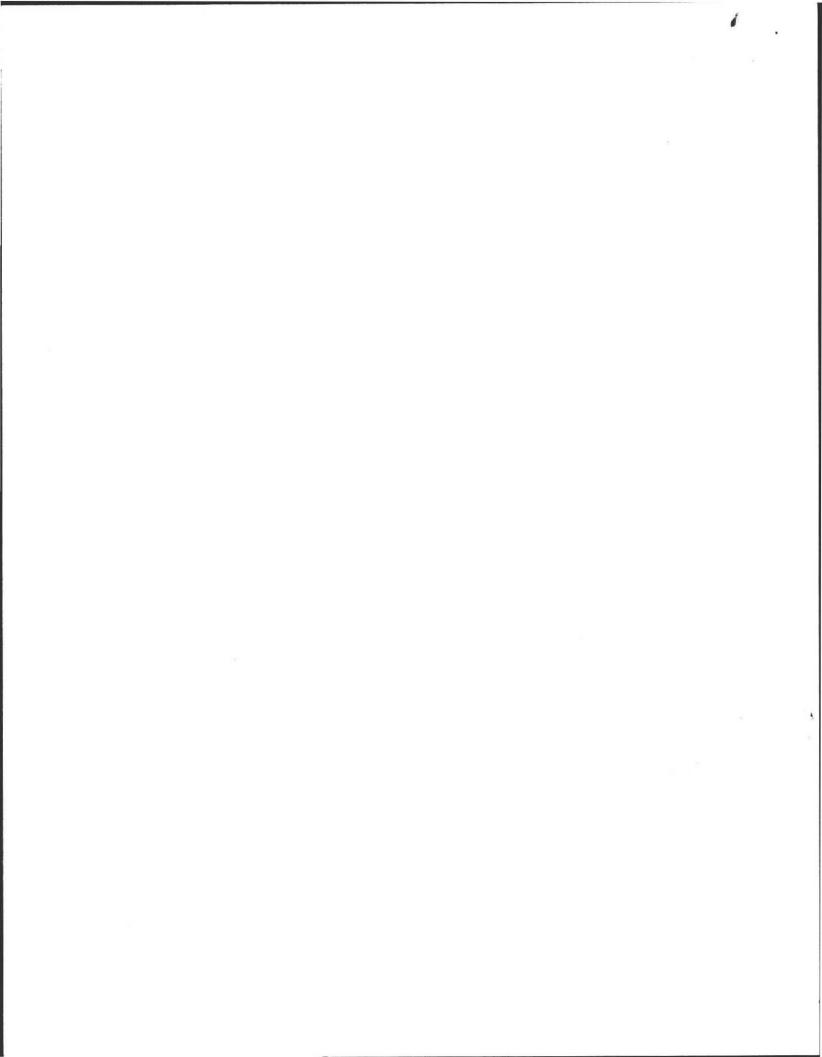
Feel free to contact me with any questions.

Alan Weiss, RS Principal Hydrogeologist

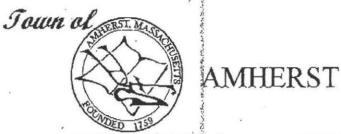
Cold Spring Environmental, Inc

Cc: Applicant, C/O Alan Peterfreund

- Percolation Tests
 Septic Designs
- Septic Designs
- Regulatory Compliance
- Recycling and Solid Waste
- Second Opinions



02/10/	2010	12:01	4132372402



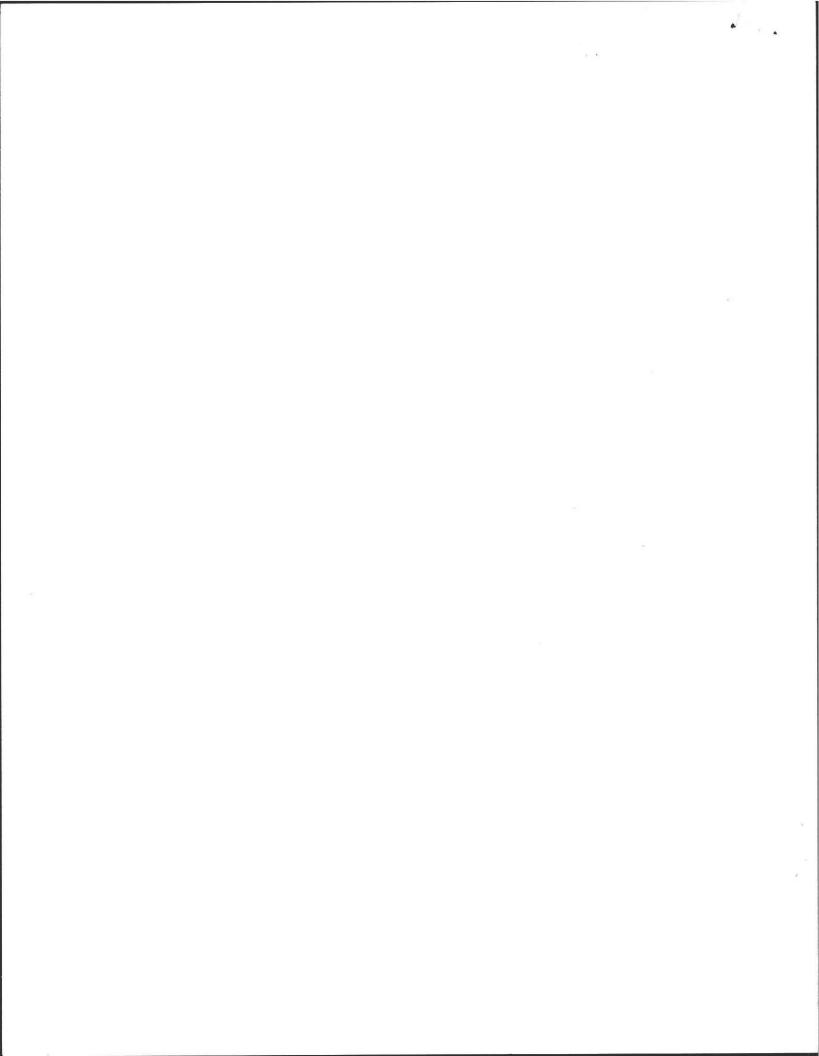
Massachusetts

AMHERST HEALTH DEPARTMENT, 70 BOLTWOOD WALK, AMHERST, MA 01002 (413) 259-3077 (413) 259-2404 - FAX Environmental Health Division (413) 259-3078

APFLICATION FOR A WELL CONTRUCTION PERMIT

I hereby petition the Foard of Health of the Town of Amherst for a Well Construction Permit (WCP) to install a private well in the Town of Amherst.

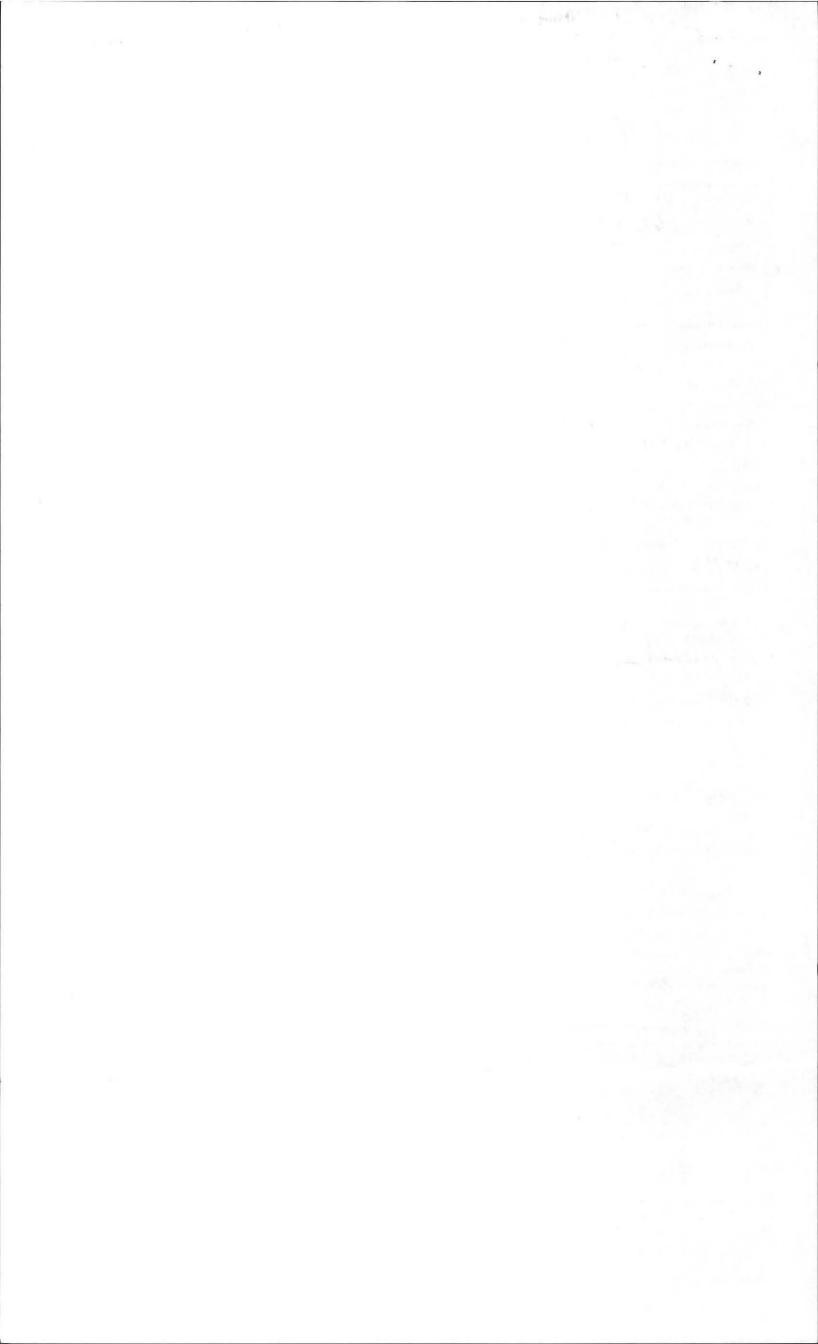
ATTACHED IS A PLAN SHOWING THE PROPOSED LOCATION OF THE WELL (<u>WITH</u>) <u>ORIGINAL DATE, STAMP AND SIGNATURE</u> OF AN ENGINEER REGISTERED SANITARIAN, OR REGISTERED LAND SURVEYOR) MEETING ALL THE REQUIREMENTS OF AMHERST RULES AND REGULATIONS FOR PRIVATE WELLS.



ODMMONWEALTH OF MASSACHUSETTS Board of Health, Amberst, MA APPLICATION FOR DISPOSAL SYSTEM CONSTRUCTION PERMIT Application for a Permit to Construct() Repair(g) Upgrade() Abandon() - @ Complete System © Individual Comporter Application for a Permit to Construct() Repair(g) Upgrade() Abandon() - @ Complete System © Individual Comporter Address 2.1 High Point Or Map/Parcel# GB / 78 Address 2.1 High Point Or Installer's Name Designer's Name AlG, E, Weiss, RS, Address Address Address Belchert Hum Telephone# Lot 532.5557 Type of Building Residence Garbage grinder (A) Other Type of Building Belchert (P) Garbage grinder (A) Other Type of Building Belchert (P) Garbage grinder (A) Other Type of Building Belchert (P) Garbage grinder (A) Other Type of Building Belchert (P) Belchert (P) Design Flow (min. required) HO gpd Calculated design flow 320 Design flow provided 745 gpd Pain: Date H/10/10 Number of sheets Revision Date Mentry (H) Style Maple of Sull(A) Style Maple (A)	No. 1005	FEE
	COMMONIVEATE	UNATH OF MARKE
APPLICATION FOR DISPOSAL SYSTEM CONSTRUCTION PERMIT Application for a Permit to Construct() Repair(g) Upgrade() Abandon() - # Complete System © Individual Composition Image/Prince@ 1		2/2/ AVANE MELSS 2
APPLICATION FOR DISPOSAL SYSTEM CONSTRUCTION PLANIN Application for a Permit to Construct() Repair(b) Upgrade() Abandon() - @ Complete System D Individual Compositions Icoation 21 Hick Park May/Parcell Disposition Over ** Name Ale Peter * Treeurit May/Parcell Disposition Over ** Name Ale Peter * Treeurit Marces Address Deligner's Name Ale Ever * Treeurit Marces Materes Belever's Name Ale Ever * Treeurit Marces Materes Belever's Name Ale Ever * Treeurit Marces Materes Belever's Name Ale Ever * Treeurit Therphone# Treep formation Treep formation Treep formation Treep formation Description of Reformer State State State State Treep formation Treep formation Description of soli(s) Ab. Treep formation State State Date of Evoluation Hight Park Description of soli(s) Ab. Treep formation State State State State State State Description of Soli(s) Ab. Treep formation State State State State State State Description of S	Board of Health, 1- m	herst, MA.
Location 21 High Point Orive Owner's Name Alan, Peter Freund Map/Parcel# G.B. / 78 Telephone# Insaller's Name Designer's Name Alan, S. Weing, R.S. Madress Address Beleford Human Insaller's Name Designer's Name Alan, S. Weing, R.S. Address Address Beleford Human Telephone# Lot Size 97.6.11 Carbage grinder (a) Other Trape of Building Beleforem No. of persons Showers (), Cafeceria () Other Trape of Building	APPLICATION FOR DISPOSAL	SYSTEM CONSTRUCTION PERMIT
Map/Parcel# Address 2.1 High Parcel# Designer Name Alg. S. Weirj R.S. Low 7.8 Telephone# Telephone# Telephone# Insaller's Name Designer's Name Alg. S. Weirj R.S. Address Belcher them. Telephone# Telephone# Telephone# Telephone# Telephone# Type of Building Reside creft Lot Six 97. CH1# sp. ft. Design Flow (min. required) 11.0 gpd Calculated design flow 320 Design flow (min. required) gpd Other Type of Building No. of persons Showers (), Cafeteria () Other Type of Building Showers (), Cafeteria () Other Type of Building No. of persons Resiston Date The The The Type of Building Showers (), Cafeteria () Description of Soll(s) Abs. Title Closs J. The Resiston Date The Description of Soll(s) Abs. Title Closs J. The State Algorithm State St	Application for a Permit to Construct() Repair() Upgrade()	Abandon() - De Complete System D Individual Components
Lot# 75 Telephone# Insaller's Name Designer's Name Al., S. (Uer.r., R.S. Address Belcher twwn Telephone# Belcher twwn Telephone# Lot Size 47, 611 ± sq. ft. Dretling, No. of Bedrooms Belcher twwn Topot Building Resider (C Dretling, No. of Bedrooms Belcher twwn Design Fox main and the second design flow 320 Design flow provided _945_gpd Design Fox (min. required) 110 gpd Calculated design flow 320 Design flow provided _945_gpd Design Fox (min. required) 110 gpd Calculated design flow 320 Design flow provided _945_gpd Description of Soli(a) Abs. The Child Close 5 Date of Benduation 4118/110 Description of Soli(a) Description of Soli(b) Abs. The Child Close 5 Date of Benduation 4118/110 Description of Soli (a) Description of Soli(b) Abs. The Abs.response Mat. COMMONWEALTH OF MASSACHUSETTS Beard of Health Abs.response Mat. CERTIFICATE OF COMPLIANCE Description of Work: DateIdvidual Component(b) Growplete System Mat. The undersigned agrees to install the Sewage Disposal System; Constructed (), Rep	Location 21 High Point Drive	Owner's Name Alan Peter Freund
Installer's Name Designer's Name Alg., £, U.e., 1, R.S. Address Reference Telephone# Reference Telephone# Reference Telephone# Reference Dwelling-No. of Bedrooms 3 Bedrove# No. of persons Shower(). Calteria () Other Trunce Other Trype of Building	Map/Parcel# 6B 178	Address 21 High Point Dr
Address Belchitshum Telephone# CJ12.3232.5557 Type of Building Residence Lot Size 47.611± sq. ft. Design Flow (min. required) 100 Specification Specification Design Flow (min. required) 110 gpd Flow (min. required) 110 Specification Specification Design Flow (min. required) 110 Specification Specification Description of Soil() Calculated design flow 320 Design flow provided Description of Soil() Calculated Jule 110 Revision Date Description of Soil() Calculated Jule 110 Revision 210 Description of Work: Date Date Constructed (),	Lot# 78	Telephone#
Address Belchitsburg Telephone# CJ12.3232.5557 Type of Building Residence Design Row of Bedrooms 3 Bedling No. of Bedrooms Showers (), Caffeeria () Other Type of Building Design Row provided Design Flow (min. required) 110 gpd Kaculated design flow 320 Design Row provided Design Flow (min. required) 110 Spd Kaculated design flow 200 Design Row provided Description of Soli(s) CALL Description of Soli(s) COMMONWEATTH OF MASSACHUSETTS Board of Health, Chasherest MAL CERTIFICATE OF COMPLIANCE Description of Work: Description of Work: Date Deposal System: The undersigned hereby certify that the Sewage Disposal System: MAL	Installer's Name	Designer's Name Alan E. Weiss R.S.
Type of bluilding Residence Lot Size 47 L11 ⁴ sq. ft. Deelling, No of Bedrooms Bed/ tocord Garbage grinder (4) Other Fixtures No. of persons Showers (.), Cafeteria (.) Other Fixtures IIIO gpd Calculated design flow 320 Design flow provided 4445 gpd Design flow (min. required) IIO gpd Calculated design flow 320 Design flow provided 4445 gpd Design flow (min. required) IIO No. of persons Revision Date Title Design flow (min. required) IIO Number of sheets Revision Date Title Description of Soil(4) Ab. Title Class J Soil Soil Matter AI Mex. Septic System Card Description of Soil(4) Ab. Title Class J Soil Soil Matter AI Mex. Septic System Card DESCRIPTION OF REPAIRS OR ALTERATIONS Instead II Mex. Septic System in accordance with the provisions of TITLE 5 and functional a Certificate of Complianes been issued by the Board of Health. Signed ComMMONWEALTH OF MASSACHUSETIS Beard of Health. Mex. CERTIFICATE OF COMPLIANCE Description of Work: Individual Severge Disposal System; Commuted (), Repaired (), Abandoned () Spiptcain	Address	
Dwelling - No. of Bedrooms 3 Bedrooms1 Garbage grinder (A) Other - Type of Building No. of persons Showers (), Catteria () Other Fixture	Telephone#	Telephone# 4113. 323. 5957
Dwelling - No. of Bedrooms 3 Bedrooms1 Garbage grinder (A) Other - Type of Building No. of persons Showers (), Catteria () Other Fixture	Type of Building Residence	Lot Size $47.611 \pm sq. ft.$
Other Fixtures		
Design Flow (min. required)	Other - Type of Building	No. of persons Showers (), Cafeteria ()
Plan: Date		30/
Title SepArt System RepSix Plan Description of Soil(s) AbTILL Classs		
Description of Soil (s)	Plan: Date Number of sheets	Revision Date
Soil Brahustor Form No		
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		
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	4.	
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		Fall New Septie System 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	well	
COMMONWEALIH OF MASSACHUSETIS Board of Health,, MA. CERTIFICATE OF COMPLIANCE Description of Work: Dindividual Component(s) Complete System The undersigned hereby certify that the Sewage Disposal System; Constructed (), Repaired (), Upgraded (), Abandoned () by:	Inspections	
COMMONWEALIH OF MASSACHUSETIS Board of Health,, MA. CERTIFICATE OF COMPLIANCE Description of Work: Dindividual Component(s) Complete System The undersigned hereby certify that the Sewage Disposal System; Constructed (), Repaired (), Upgraded (), Abandoned () by:	1-	
COMMONWEALIH OF MASSACHUSETIS Board of Health,		
COMMONWEALIH OF MASSACHUSETIS 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:	No. 1005 COMMONWEALTH	OF MASSACHUSETTS
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:	Board of Health,	mberst, MA.
Description of Work: Individual Component(s) Complete System The undersigned hereby certify that the Sewage Disposal System; Constructed (), Repaired (), Upgraded (), Abandoned () by:	CERTIFICATE	OF COMPLIANCE
The undersigned hereby certify that the Sewage Disposal System; Constructed (), Repaired (), Upgraded (), Abandoned () by:	· · · · ·	
has been installed in accordance with the provisions of \$10 CMR 15.00 (Title 5) and the approved design plans/as-built plans relating to application No, dated, Approved Design Flow (gpd) Installer		
has been installed in accordance with the provisions of \$10 CMR 15.00 (Title 5) and the approved design plans/as-built plans relating to application No, dated, Approved Design Flow (gpd) Installer	by:	
application No. <u>1005</u> , dated <u>4//5///</u> . Approved Design Flow <u>445</u> (gpd) Installer <u>4040 for an analysis</u> Inspector <u>100 for an advector</u> Date: <u>7//46/00</u> The issuance of this permit shall not be construed as a guarantee that the system will function as designed. No. <u>MEEE</u> COMMONWEALTH OF MASSACHUSETTS Board of Health, <u>Manheissin</u> , MA. DISPOSAL SYSTEM CONSTRUCTION PERMIT Permission is hereby granted to; Construct() Repair() Upgrade() Abandon() an individual sewage disposal system at <u>API MARK TERE</u> as described in the application for		
Designer:	application No. 1005, dated 4/15/10. Approve	ed Design Flow <u>445</u> (gpd)
The issuance of this permit shall not be construed as a guarantee that the system will function as designed. No	Designer: Designer: Inspector	Sastemache Date: 7/18/10
COMMONWEALTH OF MASSACHUSETTS Board of Health,, MA. DISPOSAL SYSTEM CONSTRUCTION PERMIT Permission is hereby granted to; Construct() Repair() Upgrade() Abandon() an individual sewage disposal system at as described in the application for		
COMMONWEALTH OF MASSACHUSETTS Board of Health,, MA. DISPOSAL SYSTEM CONSTRUCTION PERMIT Permission is hereby granted to; Construct() Repair() Upgrade() Abandon() an individual sewage disposal system at as described in the application for	No. JEES	FEE 150-C
Board of Health,, MA. DISPOSAL SYSTEM CONSTRUCTION PERMIT Permission is hereby granted to; Construct() Repair() Upgrade() Abandon() an individual sewage disposal system at as described in the application for		OF MASSACHUSETTS
DISPOSAL SYSTEM CONSTRUCTION PERMIT Permission is hereby granted to; Construct() Repair() Upgrade() Abandon() an individual sewage disposal system atas described in the application for		
at as described in the application for		±
1115 0115115	int the state of t	
A A A A A A A A A A A A A A A A A A A	1115	(1)15/15

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

Date 4/13/10 Board of Health





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COLD SPRING ENVIRONMENTAL CONSULTANTS, INC.

FORM 11 - SOIL EVALUATOR FORM Page 1 of 3

ALAN E. WEISS, M.S., L.S.P. Licensed Site Professional Registered Sanitarian Hydrogeologist

50 Old Enfield Rd. elciепоwn, MA 01007 13) 323-5957 & 323-4916 (FAX)

President

•Subsurface Investigations •21E Site Investigations •Pollution Remediation •Percolation Tests and Septic Designs

Date: 4/8/2010

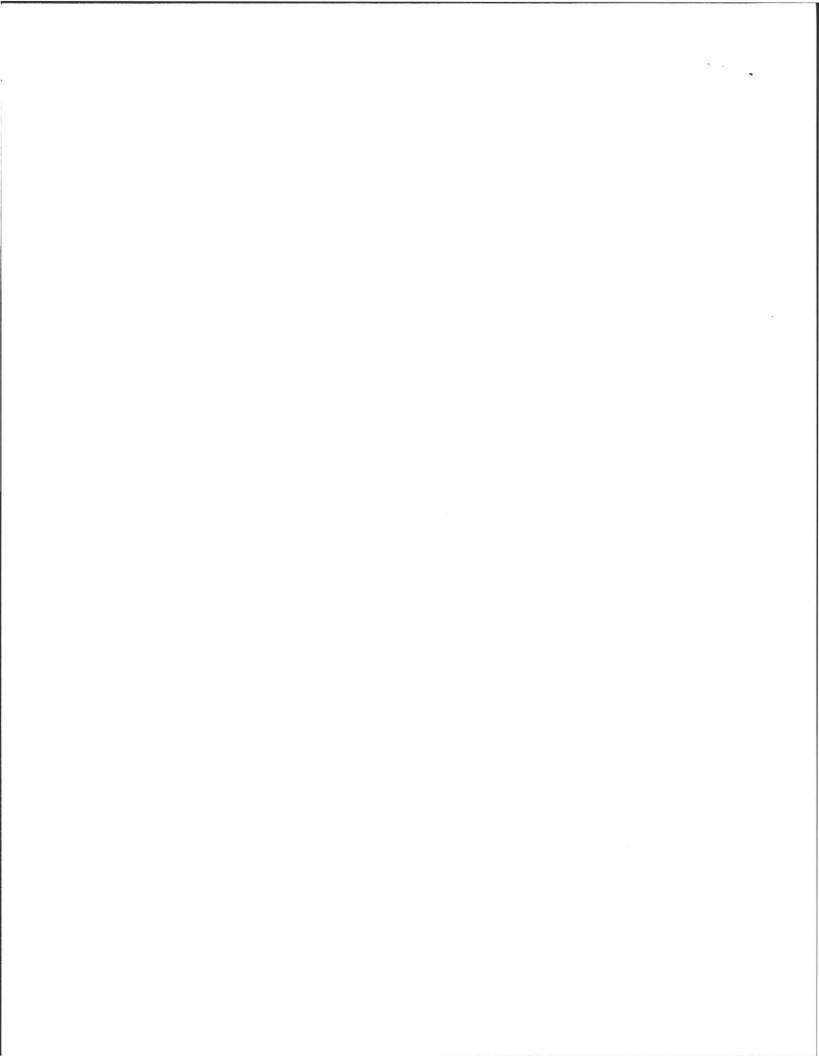
Commonwealth of Massachusetts

Soil Suitability Assessment for On-site Sewage Disposal

Performed By A. Weiss Witnessed By: G. Courtmarche Date: 4/8/2010

Location Address or Loc #	Owner's Name, Address, and	Alan Petrif ZI Highran	Feurd	
. ZI High Point DR.	Telephone 1			
New Construction 🗌 Repair 🐱		Amhest	MA	01002
Office Review				
Published Soil Survey Available: No 🗌 Yes 🎉	3			
Year Publication Scale		Soil Map I	Unit	
Drainage Class Soil Limitations				1
Surficial Geologic Report Available: No 🛛 Yes				
Year Published Publication Scal	e			
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 Belev Norma	1			
Other References Reviewed:				





a print and and a set

Lacation Address or Lot No. 21 HighRaut DL

COMMONWEALTH OF MASSACHUSETTS

AMLOST , Massachusetts

	Percolation Test*		
Date: 4	8 2010 Tim	e:, 12100	
Observation Hole #	Pi	1	
Depth of Perc	34"	Repair	
Start Pre-soak	12:25		
End Pre-soak	12:40		r
Time at 12"	12:40		
Time at 9"	12:52		-
Time at 6"	13:07		
Time (9"-6")	15 Mi2		
Rate Min./Inch	5 MD -	V	
* Minimum of 1 reserve area.	percolation test must be p	erformed in both the prim	ary area AND
Site Passed 🛛 Site	Failed		
Performed By:A.(Jerss ·		
Witnessed By: 6.6	oustanaiche.		

·

Comments:

FORM 11 - SOIL EVALUATOR FORM Page 2 of 3

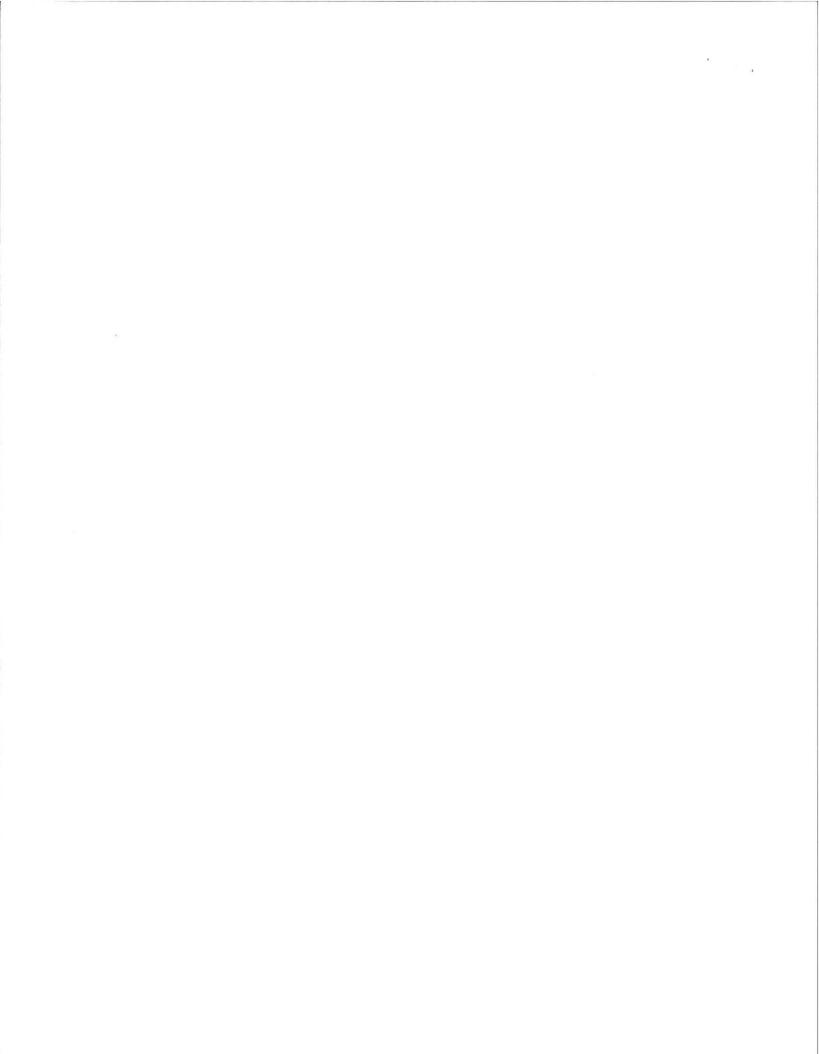
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Location Address or Lot No. 21 High Point DR.

On-site Review

	Deep Hole N Location (ide	umber <u>it2</u>	Date:		Time:	12:00 Weather Son 80°F	
		, - · · · · · · ·	JIGIII				v
	Vegetation		Slop	be (%)	Surfac	ce Stones	
	Landform	Terrace	d.				
	Position on la	ndscape (ske	tch on the bar			and the second	
	Distances from	ה:		~~ · · · ·		the second second second	•
	Open '	Water Body_	100' feet	Drain			
5	Possib	10 14/00 4	120 14	Prope	ITV line	feet feet	
Be	Childe ADrinkin	ig Water Wel	100' ipper	t Other		Teel	
	E:	4 sty Wal	30'7(-				
			DEEP OF	SERVA	TIONUC	DLE LOG'	
	1	anna a		OLIVA	TIONAC	DLE LOG	·
	Depth from Surface (Inches)	Soii Herizon	Soil Texture	Soil Color	Soii		
	0-104	1	(USDA)	(Munseil)	Mottling	Other IStructure, Stones, Boulders, Consistency, % Gravel	
	0 10	A.	10 g R 3/3	FSC		- Freible	•
	10"-7("	Bw	1			-Frable Loose	
Xt1	10"-21"	υw	104,8416	LS	20 "		
l	21'-94"	C,	- 11		28" 2.54 Y/1	- FM. Soncly Ablaction +11)	
	- //		2:54 4/3	LS		10% Stre, nod Loose	
]		to grandor.	
	0-10"	A	164,03/7	FSL		-Friable	
	10-741	R				- France Loos	1.
K	10 01	No	lonp 4/k	LS	20		ξ,
2	24-84"	C.	2,54/3	LS	30	-F-M. Sondy, Ablation	
-		-1	~ ["]			+111, 10010 mod. Looz.	
						1 10 10 100 100 2 .	
Ł		OF 2 HOLES PE	QUIRED AT EVER				
P	arent Material igeolo	gic) Ah	LUDIRED AT EVER	IY PROPOSED		N N	
	epth to Groundwater			NOT (2)	6 4	toBedrock:	
E	stimated Seasonal Hig	ah Ground Wate	r:	NOT [C]	<u>991</u> v	Weeping from Pit Face:	
		•				\	
E						\backslash	
	57.					1	
9	1	DEP APPROVED F	ORM - 12/07/95			C	
						- Te	



Location Address or Lot No. ZI Highbout Dn.

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 23^{-30} 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? $\frac{\gamma r}{2}$

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

Certification

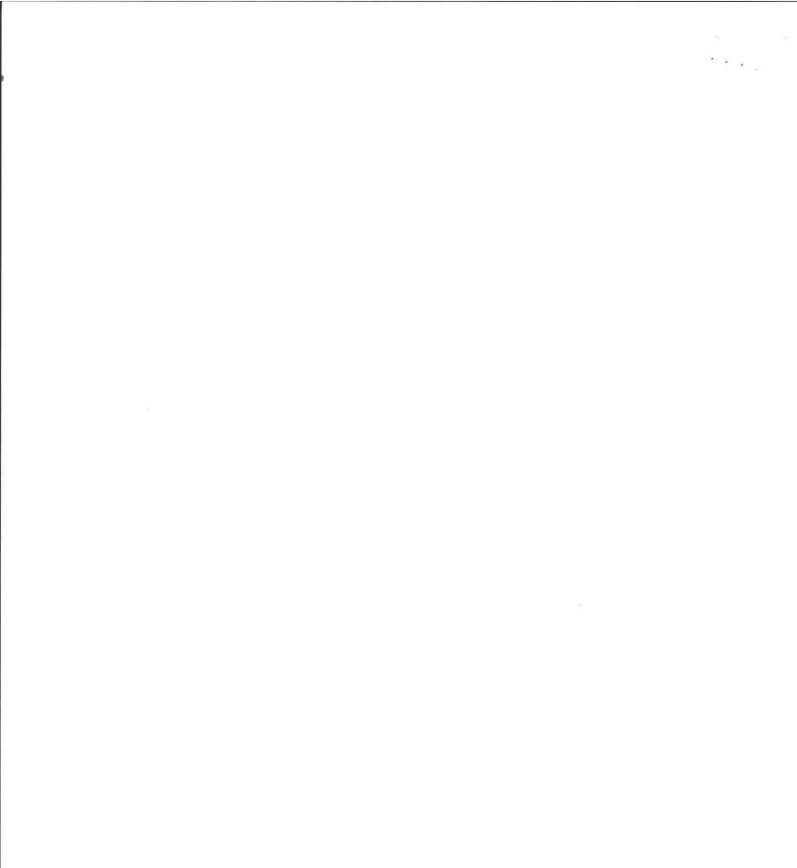
I certify that on $\frac{695}{195}$ (date) I have passed the soil evaluator examination approved by the Department of Environmental Protection and that the above analysis was performed by me consistent with the required training, expertise and experience described in 310 CMR 15.017.

Signature

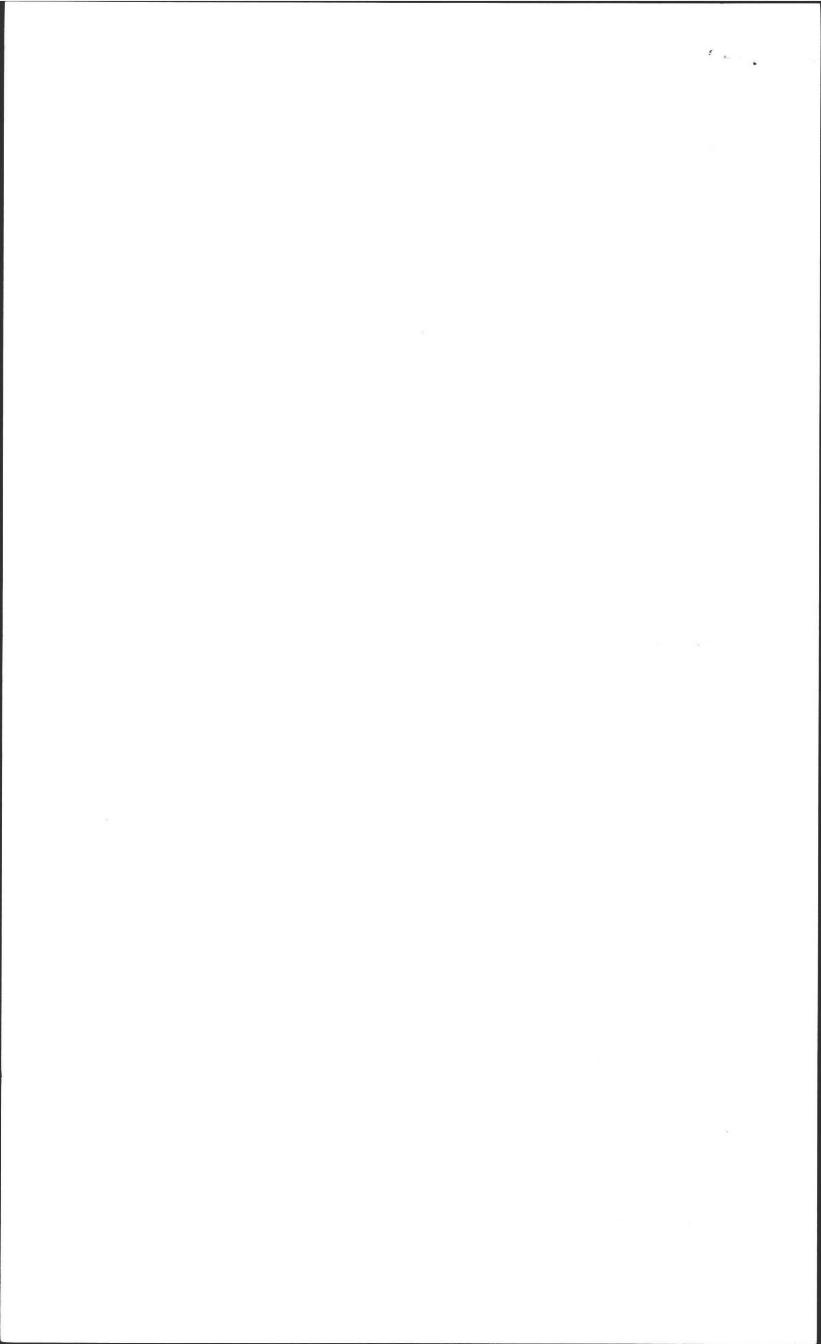
Date 4/8/2010







No. 1003		FEE water and a second se
	COMMONWEAU	TH OF MASSACHUSETTS
	A	mherst MA.
		L SYSTEM CONSTRUCTION PERMIT
Application for a Permit t	co Construct() Repair() Upgrade() Abandon() - 🛱 Complete System. 🗆 Individual Components
Location 21	High Point Drive	Owner's Name Alan Peter Freund
Map/Parcel# 6B	178	Address 21 High Point Dr
Lot#	78	Telephone# 519-7567
Installer's Name		Designer's Name Alan & Weiss RS.
Address		Address Belchertown
Telephone#		Telephone# 413, 323, 5957
		Lot Size <u>47, 611</u> sq. ft.
Dwelling - No. of Bedroon		Garbage grinder (M)
		No. of persons Showers (), Cafeteria ()
	ed) 111) and Calcula	ted design flow 330 Design flow provided 445 gpd
Title	Septr Sys	Revision Date
Description of Soil(s)	(146. (11())	Class I
Soil Evaluator Form No	Name of Soil F	Evaluator A, Weiss Date of Evaluation 418/10
DESCRIPTION OF REPAI	IRS OR ALTERATIONS	stall New Septiz System and
No		H OF MASSACHUSETTS
		, MA.
		E OF COMPLIANCE
Description of Work:	Individual Component(s)	E OF COMPLIANCE
The undersigned hereby c	marian componencis) a comp	ete System
at		a; Constructed (), Repaired (), Upgraded (), Abandoned ()
		a; Constructed (), Repaired (), Upgraded (), Abandoned ()
Installer	rdance with the provisions of 310 CM , dated App	R 15.00 (Title 5) and the approved design plans/as-built plans relating to roved Design Flow(gpd)
	rdance with the provisions of 310 CM , dated App	r; Constructed (), Repaired (), Upgraded (), Abandoned () R 15.00 (Title 5) and the approved design plans/as-built plans relating to roved Design Flow (gpd)
Designer:	rdance with the provisions of 310 CM , dated App Inspector:	n; Constructed (), Repaired (), Upgraded (), Abandoned () R 15.00 (Title 5) and the approved design plans/as-built plans relating to roved Design Flow(gpd) Date:
Designer: The issuance of this permi	rdance with the provisions of 310 CM , dated App Inspector:	R 15.00 (Title 5) and the approved design plans/as-built plans relating to roved Design Flow(gpd) Date: e that the system will function as designed.
Designer:	rdance with the provisions of 310 CM , dated App Inspector: it shall not be construed as a guarante	n; Constructed (), Repaired (), Upgraded (), Abandoned () R 15.00 (Title 5) and the approved design plans/as-built plans relating to roved Design Flow(gpd) Date:
Designer: The issuance of this permi	rdance with the provisions of 310 CM , dated Appr Inspector: it shall not be construed as a guarante COMMONWEALT	R 15.00 (Title 5) and the approved design plans/as-built plans relating to roved Design Flow(gpd) Date: Date: Parter will function as designed.
Designer: The issuance of this permi	rdance with the provisions of 310 CM , dated, Appr Inspector: it shall not be construed as a guarante COMMONWEALT Board of Health,	R 15.00 (Title 5) and the approved design plans/as-built plans relating to roved Design Flow(gpd) Date: Date:
Designer: The issuance of this permi No Permission is hereby grad	rdance with the provisions of 310 CM , dated Appa Inspector: it shall not be construed as a guarante COMMONWEALT Board of Health, DISPOSAL SYSTEM anted to; Construct() Repair(/	n; Constructed (), Repaired (), Upgraded (), Abandoned () R 15.00 (Title 5) and the approved design plans/as-built plans relating to roved Design Flow(gpd) Date: e that the system will function as designed. FEE FEE TH OF MASSACHUSETTS , MA. CONSTRUCTION PERMIT Upgrade() Abandon() an individual sewage disposal system
Designer: The issuance of this permit No. <u>1005</u> Permission is hereby gra at <u></u>	it shall not be construed as a guarante COMMONWEALT Board of Health, DISPOSAL SYSTEM anted to; Construct() Repair(F Construct() Repair(F) Construct() Repair(F Construct() Repair(F) Construct() Repair	R 15.00 (Title 5) and the approved design plans/as-built plans relating to roved Design Flow(gpd) Date: e that the system will function as designed. H OF MASSACHUSETTS Pinkers, MA. CONSTRUCTION PERMIT / Upgrade() Abandon() an individual sewage disposal system as described in the application for
Designer: The issuance of this permit No. <u>1005</u> Permission is hereby gra at <u></u> Disposal System Constru	rdance with the provisions of 310 CM , dated Inspector: it shall not be construed as a guarante COMMONWEALT Board of Health, DISPOSAL SYSTEM anted to; Construct() Repair(F FIGH POINT uction Permit No b shall be completed within three y	R 15.00 (Title 5) and the approved design plans/as-built plans relating to roved Design Flow(gpd) Date: e that the system will function as designed. H OF MASSACHUSETTS , MA. CONSTRUCTION PERMIT / Upgrade() Abandon() an individual sewage disposal system as described in the application for dated as described in the application for dated All local conditions must be met.
Designer: The issuance of this permit No Permission is hereby gra at Disposal System Constru	rdance with the provisions of 310 CM , dated Inspector: it shall not be construed as a guarante COMMONWEALT Board of Health, DISPOSAL SYSTEM anted to; Construct() Repair(F FIGH POINT uction Permit No b shall be completed within three y	R 15.00 (Title 5) and the approved design plans/as-built plans relating to roved Design Flow(gpd) Date: e that the system will function as designed. FEE TH OF MASSACHUSETTS MA. CONSTRUCTION PERMIT as described in the application for datedfis_fie





COLD SPRING ENVIRONMENTAL CONSULTANTS, INC.

ALAN E. WEISS, M.S., L.S.P. Licensed Site Professional Registered Sanitarian

50 Old Enfield Rd. elchenown, MA 01007 13) 323-5957 & 323-4916 (FAX)

Hydrogcologist

President

·Subsurface Investigations -21E Site Investigations -Pollution Remediation ·Percolation Tests and Septic Designs

FORM 11 - SOIL EVALUATOR FORM Page 1 of 3

Date: 4/8/7010

Date: 4/8/2010

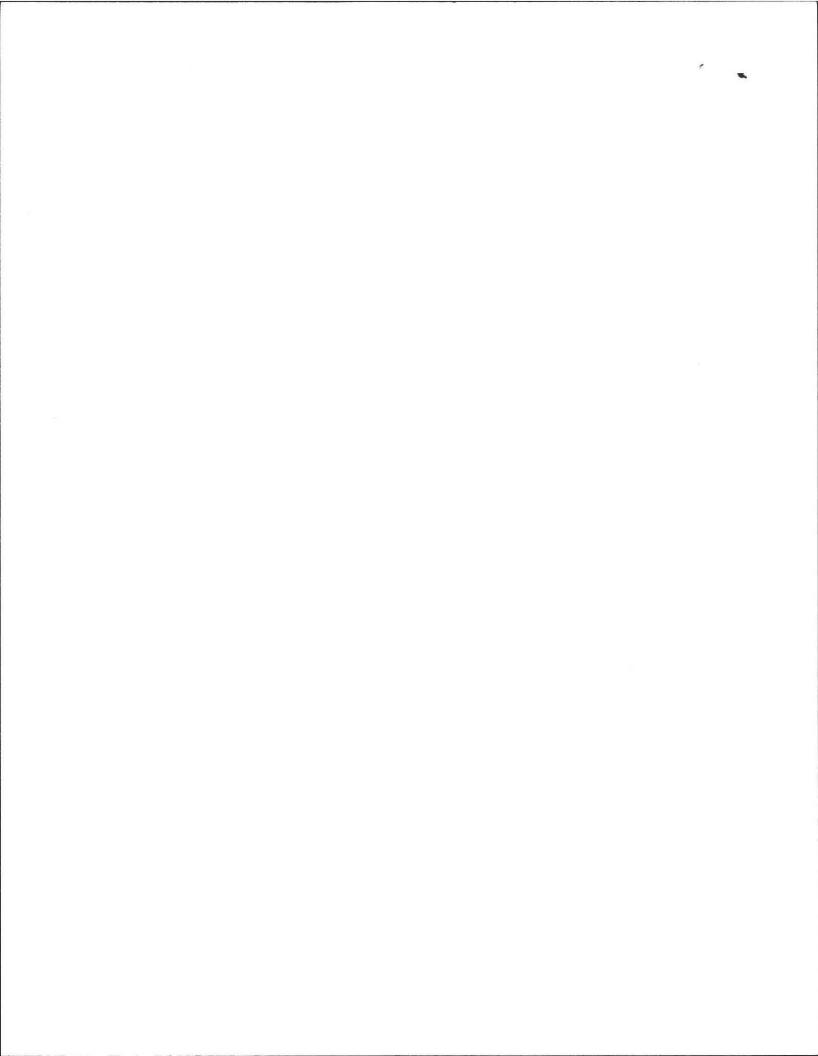
Commonwealth of Massachusetts Anh-ost , Massachusetts

Soil Suitability Assessment for On-site Sewage Disposal

Performed By A. Weiss Witnessed By: G. Courtmarche

Location Address or Lor / New Construction DR Repair DR Office Review	Owner's Name, Address, and Telephone <i>I</i>	Alan Petrif ZI HighPan Amhest	Feund Ut DR. MA	01002
Published Soil Survey Available: NoYesYear PublishedPublication ScaleDrainage ClassSoil Limitations		Soil Map I	Unit	Ţ
Surficial Geologic Report Available: No Yes Year Published Publication Scal 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 XYes Wetland Area: National Wetland Inventory Map (map unit) Wetlands Conservancy Program Map (map unit)				
Current Water Resource Conditions (USGS): Month Range : Above Normal Normal Belevy Norma Other References Reviewed:	al 🗌			





.....

Location Address or Lot No. 21 High Rant DL

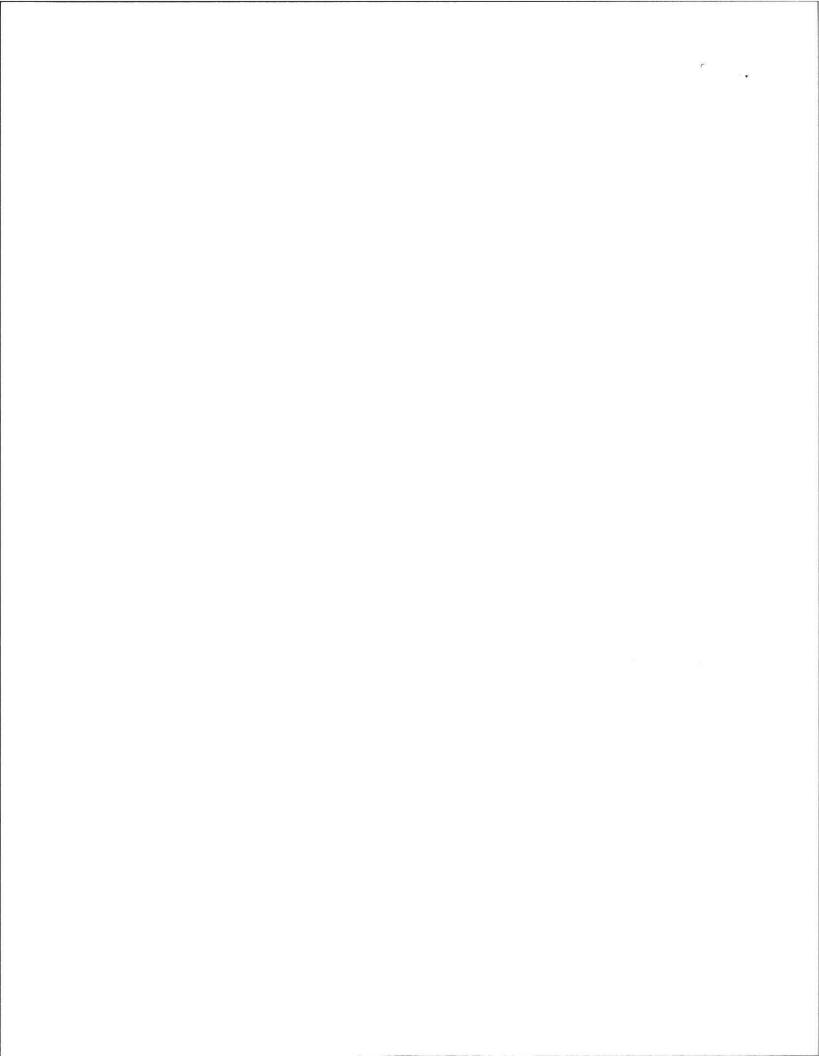
COMMONWEALTH OF MASSACHUSETTS AMLOST , Massachusetts

	Percolation Test*	
Date: 4	5 2010 Time	12:00
Observation Hole #	Pi	1
Depth of Perc	34"	Repair
Start Pre-soak	12:75	
End Pre-soak	12:40	
Time at 12"	12:40	
Time at 9"	12:52	
Time at 6"	13:07	
Time (9"-6")	15 Mia	
Rate Min./Inch	5 12.	V

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

Site Passed	Site Failed		
Performed By:	A. WRISS		
Witnessed By:	6. Loustana	che.	
Comments:	era, 16, 1991,000,000 (1990,000,000,000,000,000,000,000,000,000	an maaanaanaa oo	a and an and a marked and the second





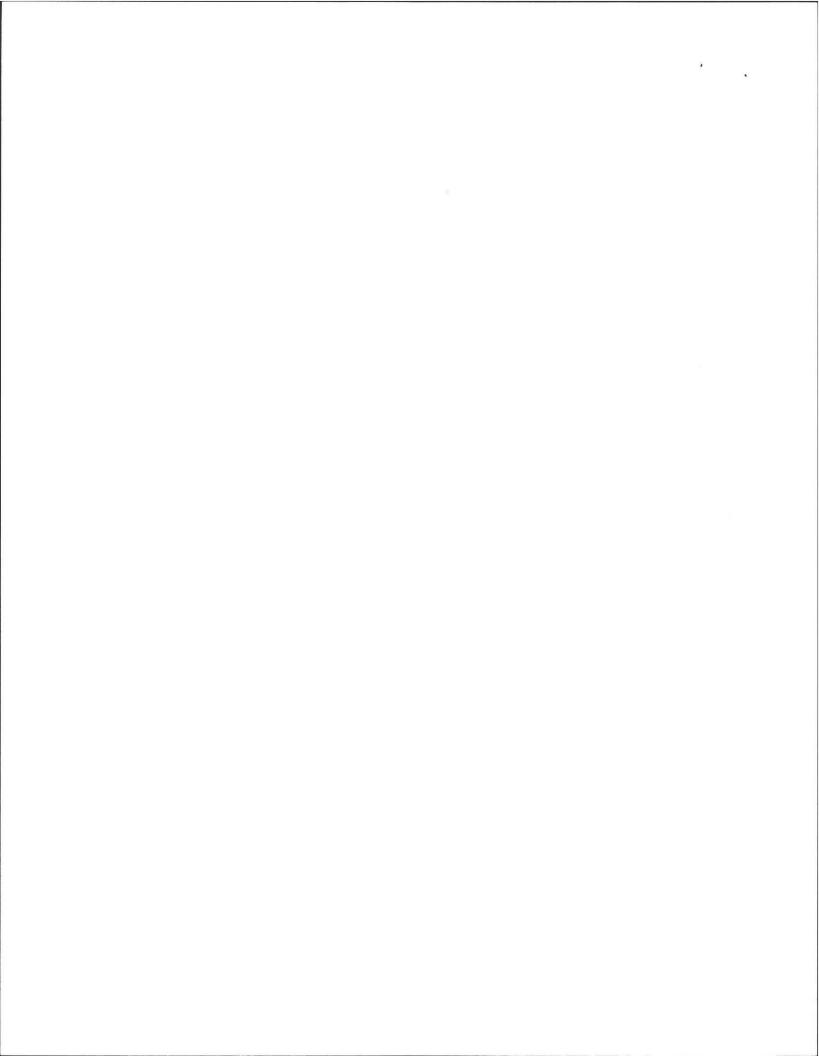
FORM 11 - SOIL EVALUATOR FORM

Page 2 of 3

•

	Location Address or Lot No. 21 High Point DR.								
	On-site Review								
Bec	Location (identi Land Use Vegetation Landform Position on land Distances from: Open W Possible	Ty on site pla ECTGCEC dscape (sketc) dscape (sketc) vater Body Wet Area Water Well	Date: n) Slope 2 . h on the back 00 'feet 00 'feet 100 'feet	(%) Z Drainag Propert	Time: <u>//</u> 2	Weather Son 80°F Stones <u>jes</u>	*		
	EXI	sty Wals	DEEP OB	SERVAT	ION HO	LE LOG			
	Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soii Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)			
¥I	0-10" b"-21" 21'-94"	A · Bw Ci	10 g R 3/3 10 g R 3/3 2.54 4/3	FSL LS LS	28 2.54 yli	- Frable Loose - Frable Loose - F.M. Sardy Ablactice +11) 10% Strie, nod Loose to granlor.			
* 2	0-10" 10-24" 24-84"	A Bw C	164,03/7 104,09/2 2:549/3		36	-Friable - Frable Loosr -F.M. Sondy, Ablation fill, 10010 mod. 10058.	Ø		
	Parem Materiai (geo	logic) Al	ater in the Hole:	NOT	Dep	AREA thoBedrock: Weeping from Pit Face:			
		DEP APPROVE	D FORM - 12107195) (
2									

5



Location Address or Lot No. ZI Highbout Dn.

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 23 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? $\frac{\gamma z}{2}$

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

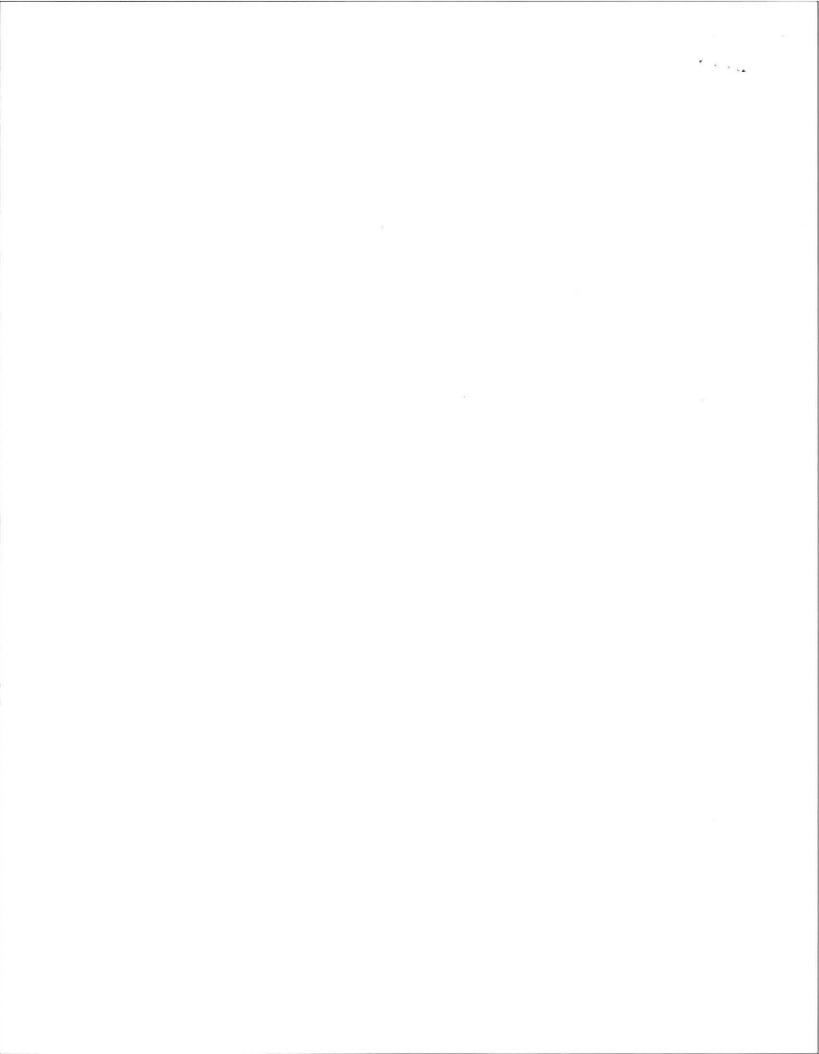
Certification

I certify that on <u>695</u> (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.

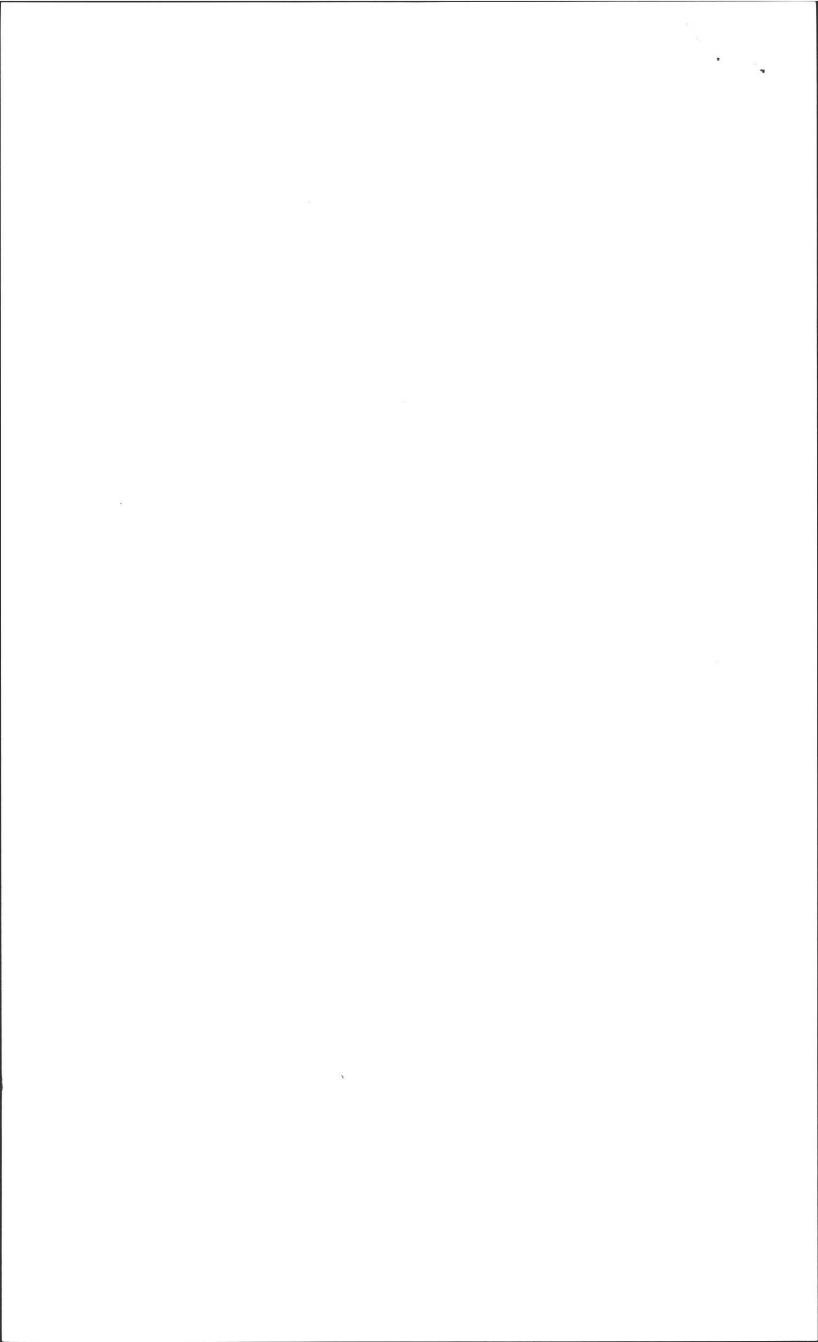
Date 4/8/2010 Signature







No. 1005	FEE THE THE FULL OF MARS					
4	OF MASSACHUSETTS					
Board of Health, Amherst, MA.						
APPLICATION FOR DISPOSAL	SYSTEM CONSTRUCTION PERMIT					
Application for a Permit to Construct() Repair() Upgrade()	Abandon() - De Complete System. D Individual Components					
Location 21 High Point Drive	Owner's Name Alan Peter Freund					
Map/Parcel# 6B 178	Address 21 High Point Dr					
Lot# 78	Telephone#					
Installer's Name	Designer's Name Alan E. Weiss RS.					
Address .	Address Belcherburn					
Telephone#	Telephone# 413, 323, 5957					
Type of Building Residence	Lot Size <u>47, 611</u> sq. ft.					
Dwelling - No. of Bedrooms <u>3 Bedroom</u>						
Other - Type of Building Other Fixtures	No. of persons Showers (), Cafeteria ()					
	design flow 330 Design flow provided 445 gpd					
Plan: Date 4/10/10 Number of sheets	Revision Date					
Title Septr Syster	m Repair Plan					
Description of Soil(s) (Ab. Till)						
Soil Evaluator Form No Name of Soil Eval	uator A, Weiss Date of Evaluation 418/10					
DESCRIPTION OF REPAIRS OR ALTERATIONS Ins	Fall New Septiz System and					
Inspections						
No	FEE					
No COMMONWEALTH	OF MASSACHUSETTS					
No COMMONWEALTH Board of Health,	OF MASSACHUSETTS					
No COMMONWEALTH Board of Health, CERTIFICATE	OF MASSACHUSETTS, MA. OF COMPLIANCE					
No COMMONWEALTH Board of Health, CERTIFICATE Description of Work:	OF MASSACHUSETTS , <i>MA</i> . OF COMPLIANCE System Constructed (), Repaired (), Upgraded (), Abandoned ()					
No COMMONWEALTH Board of Health, CERTIFICATE Description of Work: □ Individual Component(s) □ Complete	OF MASSACHUSETTS , <i>MA</i> . OF COMPLIANCE System Constructed (), Repaired (), Upgraded (), Abandoned ()					
No COMMONWEALTH Board of Health, CERTIFICATE Description of Work: □ Individual Component(s) □ Complete The undersigned hereby certify that the Sewage Disposal System; 0 by: at has been installed in accordance with the provisions of 310 CMR I application No, dated Approv	FEE					
No COMMONWEALTH Board of Health, CERTIFICATE Description of Work: □ Individual Component(s) □ Complete The undersigned hereby certify that the Sewage Disposal System; 0 by:	OF MASSACHUSETTS					
No COMMONWEALTH Board of Health, CERTIFICATE Description of Work: □ Individual Component(s) □ Complete The undersigned hereby certify that the Sewage Disposal System; 0 by: at has been installed in accordance with the provisions of 310 CMR I application No, dated Approv Installer Designer: Inspector:	FEE					
No COMMONWEALTH Board of Health, CERTIFICATE Description of Work: □ Individual Component(s) □ Complete The undersigned hereby certify that the Sewage Disposal System; 0 by:	FEE					
No COMMONWEALTH Board of Health, CERTIFICATE Description of Work: □ Individual Component(s) □ Complete The undersigned hereby certify that the Sewage Disposal System; 0 by: at has been installed in accordance with the provisions of 310 CMR D application No, dated Approv Installer Designer: Inspector: The issuance of this permit shall not be construed as a guarantee the No	FEE					
No COMMONWEALTH Board of Health, CERTIFICATE (Description of Work: Individual Component(s) Complete The undersigned hereby certify that the Sewage Disposal System; (by:	FEE					
No COMMONWEALTH Board of Health, CERTIFICATE (Description of Work: Individual Component(s) Complete The undersigned hereby certify that the Sewage Disposal System; (by:	FEE					
No COMMONWEALTH Board of Health, CERTIFICATE Description of Work: □ Individual Component(s) □ Complete The undersigned hereby certify that the Sewage Disposal System; 0 by:	FEE					
No COMMONWEALTH Board of Health, CERTIFICATE (Description of Work: □ Individual Component(s) □ Complete The undersigned hereby certify that the Sewage Disposal System; (by:	FEE					
No COMMONWEALTH Board of Health, CERTIFICATE (Description of Work: Individual Component(s) I complete The undersigned hereby certify that the Sewage Disposal System; (by:	FEE					
No.	OF MASSACHUSETTS , MA. OF COMPLIANCE System Constructed (), Repaired (), Upgraded (), Abandoned () 15.00 (Title 5) and the approved design plans/as-built plans relating to ed Design Flow(gpd) Date: hat the system will function as designed. FEE OF MASSACHUSETTS Amherst OF MASSACHUSETTS Amherst MA. CONSTRUCTION PERMIT Upgrade() Abandon() an individual sewage disposal system as described in the application for					





COLD SPRING ENVIRONMENTAL CONSULTANTS, INC.

FORM 11 - SOIL EVALUATOR FORM Page 1 of 3

ALAN E. WEISS, M.S., L.S.P. Licensed Site Professional Registered Sanitarian Hydrogeologist President *Subsurface Inve

50 Old Enfield Rd. elchenown, MA 01007 13) 323-5957 & 323-4916 (FAX) •Subsurface Investigations •21E Site Investigations •Pollution Remediation •Percolation Tests and Septic Designs

Date: 4/8/2010

Date: 4/8/2010

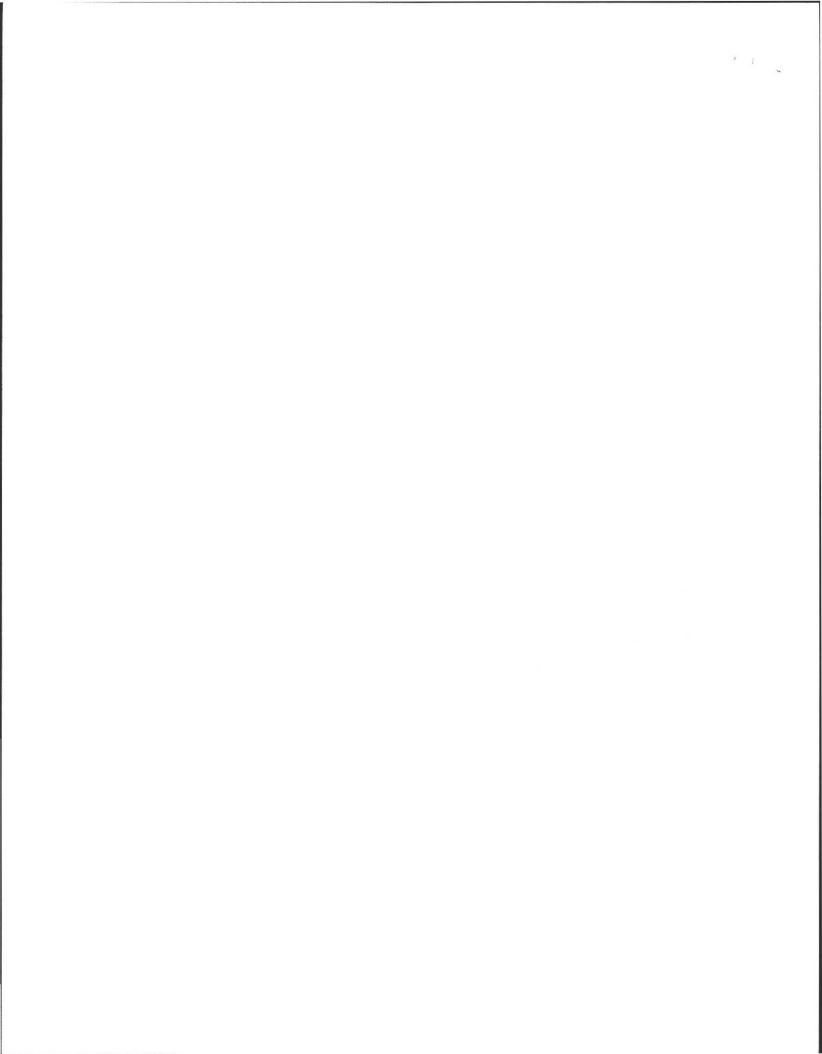
 $\begin{array}{c} \mbox{Commonwealth of Massachusetts} \\ \mbox{Anlost} &, \mbox{Massachusetts} \end{array}$

Soil Suitability Assessment for On-site Sewage Disposal

Performed By A. Weiss Witnessed By: G. Courtmanche

1		1	010	- 10	
Location Address or		Owner's Name,	Alan Petrit	seural	
- ZI High Poin	t DR.	Address, and Telephone #	Alan Petrif ZI High Rom		
New Construction			Amhest	MA	01002
Office Review					
Published Soil Survey Availabl	e: No 🗌 Yes 🕽	X			
Year Published	Publication Scale		Soil Map	Unit	
Drainage Class	Soil Limitations				1
Surficial Geologic Report Avail	lable: No 🕅 Yes				
Year Published	Publication Sca	le			
Geologic Material (Map Unit)					
Landform	CONTRACTOR -				
Flood Insurance Rate Map:					
Above 500 year flood boundary	No 🗆 Yes 🔀				
Within 500 year flood boundary No 🛛 Yes 🗌					
Within 100 year flood boundary	y No 🛛 Yes 🗌				
Wetland Area:					
National Wetland Inventory Ma	p (map unit)				
Wetlands Conservancy Program	Map (map unit)				
Current Water Resource Condit	ions (USGS): Month				
Range : Above Normal Nor	mal Belev Norm	al 🗌			
Other References Reviewed:					





57.

AND

second and a second second

Location Address or Lot No. 21 High Raut De

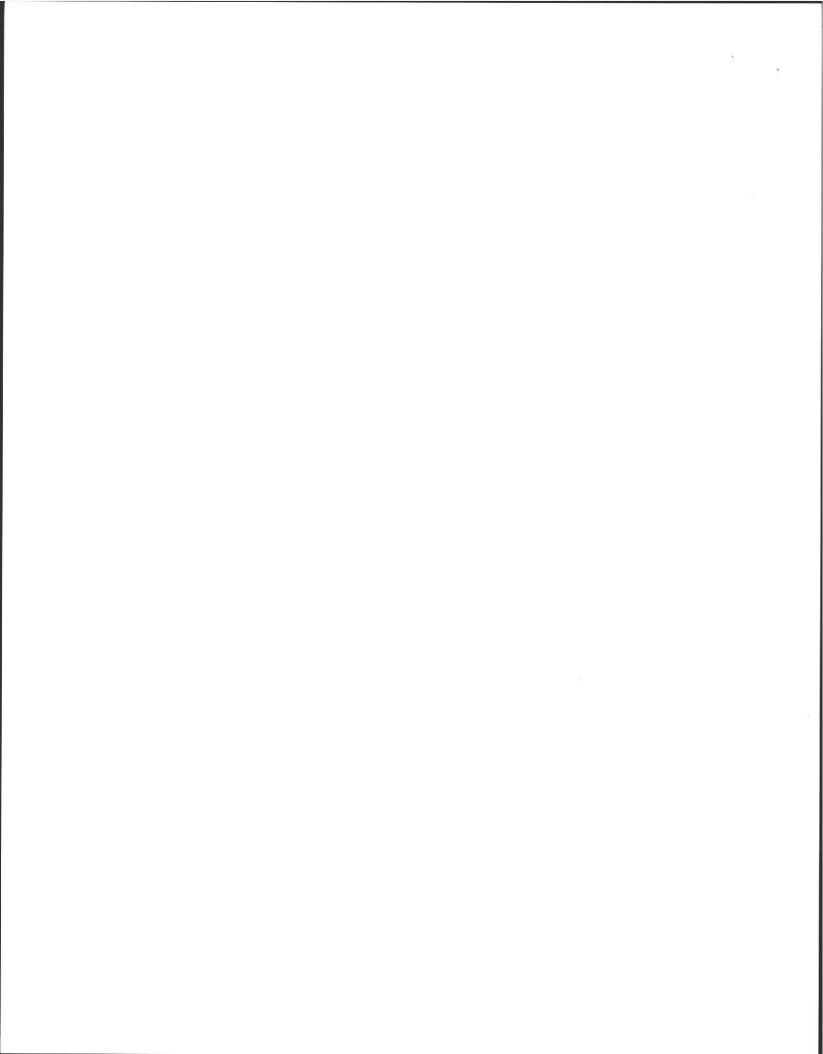
COMMONWEALTH OF MASSACHUSETTS AMLCBT, Massachusetts

	Percolation Test*	r _
Date: 4	5 2010 Tim	ne:, 12:00
Observation Hole #	P	12.00
Depth of Perc	34"	
Start Pre-soak	17:75	Kepair/
End Pre-soak	12:40	
Time at 12"	12:40	
Time at 9"	12:52	
Time at 6"	13:07	
Time (9"-6")	15 Nia	
Rate Min./Inch	5 12.	
• * Minimum of 1 pe • reserve area.	rcolation test must be per	formed in both the primary area
Site Passed 🛛 Site Fa		
Performed By: A. Wee		
Witnessed By: 6. Lous	tanache.	

DEP APPROVED FORM - 12/07/95

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Comments:

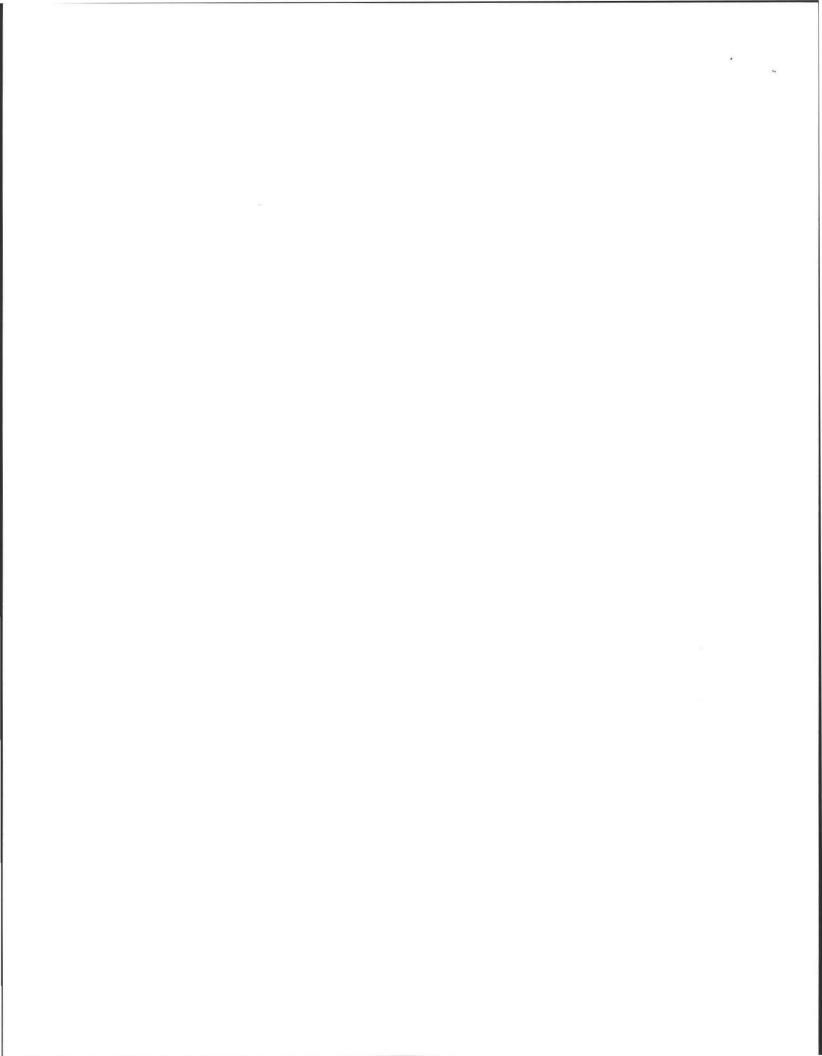


FORM 11 - SOIL EVALUATOR FORM Page 2 of 3

Location Address or Los No. 21 High Point DR.

On-site Review

	Deep Hole Ni Location (ide	umber_ it2	Date			17:00	
	Location (ide	ntify on site r			. Time: A	12:00 Weather Sun 80 F	
	Land Use			- (0() 7	0 1 (42)	and a second	
	Vegetation _		510]	De (%)	Surfac	ce Stones	
	Landform						
	Position on la	ndscane (ske	tob on the L			and a state of the second	
	Distances from	n:	ten on the bat	CK)		an an ann an	*
	Open '	Water Body _	100' feet	Drein			
	Possib	le Wet Area	100 't inst	0	age way 🚐	feet	
Be	culled Forinkin	g Water Wel	100 tee			feet	
	E	rista Wal	50'+(-	Unier			
			DEEP UE	SERVA-	TION HO	DLE LOG].
	Depth from	Soii Horizon	1	1			
	Surface (Inches)		Soil Texture (USDA)	Soil Color (Munsell)	Soii Moniing	Other (Structure, Stones, Boulders, Consistency, %	
	0-10"	A.	10 g R 3/3	Nr.	The second se	Gravel]
			10 91-11	FSC		- Frable	
1X	10"-21"	Bw	104,69/6	LS		-frikble Loose	
¥1		6		L7	28 2.54 Y/1	- FM. Souch Allectres +11)	
	21-99	С,	2.544/3	25	2.54411	- FM. Sonchy Ablaction fil) 10% Strie, nod Loose	
			- 1115			to granlar.	
		Λ	16, 26	C			
	0-10'' 10-24'' 24-84"	H	164,23/7	FSL		-Friable	
2	10-24"	B	longy/	LS		- Frash Loos	11
K	240011	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		27	30		
2	29 88	CI	2,54/3	LS	50	-t-M. Sondy, Ablation	
						-F-M. Sondy, Ablation till, 10010 mod. Loose.	
Ł		OF 2 HOLES PI	QUIRED AT EVEN				
P	arent Materiai igeolo	aic) Ala	COMILD AT EVEN	RT PROPOSED	DISPOSALA	REA .	
	epth to Groundwater			1107 1->	6.4	noBedrock:	
ε	stimated Seasonal Hi	gh Ground Wate	r:	NOT [2]	944	Weeping from Pit Face:	
		•					
F						/	
		<u>e</u>				1	
. 1		DEP APPROVED F	ORM - 12/07/95			1	
				802		N.	



Location Address or Lot No. ZI Highbout Dn.

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 23 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? $\frac{\gamma z}{\zeta}$

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.

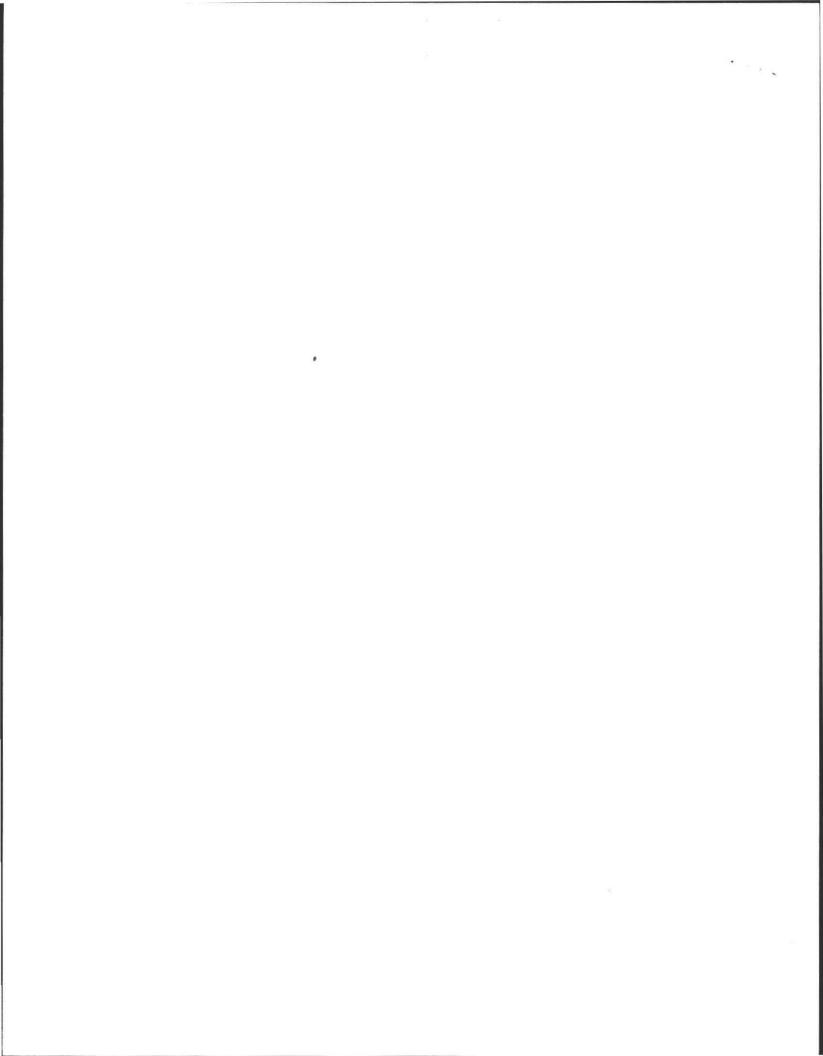
Signature

Date 4/8/2010



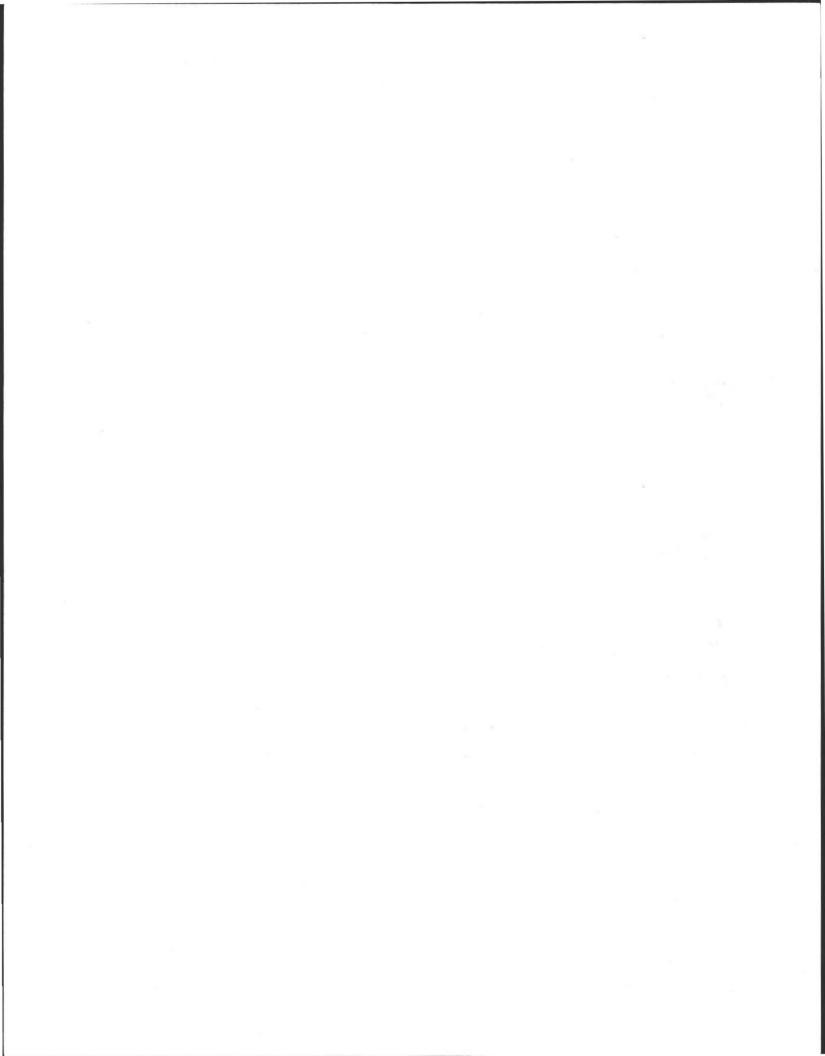


DEP APPROVED FORM - 12/07/95



FORM 11 - SOIL EVALUATOR FORM Page 2 of 3

	·						- 4	
1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	Location Addres	s or Lot No.	31 H.	cri f	6, NT.			
	16 m				2	•		
	1		0	On-site	Review	,		
		1						
-	Deep Hole Num	1-1+Z	Deter		Time:/Z	00 Weath	SUN	80°F
					Time:		ier	
	Location (identif				Surface S	Stones Ye	55	
	Vegetation							
	Landform		cod			•••••••••••••••••••••••••••••••••••••••		
	Distances from:	-	I ON THE DACK					··· ···
		ater Body	100 feet	Drainad	e way	feet		
		Wet Area	10 March 10 Mar		y Line			
exis	ing Drinking	Water Well	30 ± feet		,			
	TO BE 1	PRILLED)					
						15100*		
			DEEP OB	SERVAI	ION HO	LE LOG		
						· · · · ·	*:	
	Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munseil)	Soil Mottling	(Structure, Stones,	Other Boulders, Consister Gravel)	ncy, %
	0-10"	P	10 yet3	V		FSI	1	
and the second	10-21"	R	11/2 4/10		38"	1.5	•	
,	z1-94"	0	11/2 4/3		00	15		
		C	1/2 11-	2		20		
	10-10	27	104533	FSI	7)		24	
	10-24	P	in scale.	I'UL	30"		4	÷
	10-21	B	10 1 10	LS			× .	
	24-84	C	21/2 4/3	15			2	
	61			1-5				
	a 1				- F			
			41 B					
	- 6							
	* MINIMU	M OF 2 HOLES F	L REQUIRED AT EV	ERY PROPOSE	D DISPOSAL	AREA		
	Parent Material (geo	Δ,		Till		thtoBedrock: 5	4"	
	Depth to Groundwat				-	Weeping from Pit Face	18"	
	Estimated Seasonal							
				F				
2	m	over acri	y Loos			**		
	(main)		~					
1	DEP							9
set 1		DEP APPROVE	D FORM - 12/07/95				с. С	

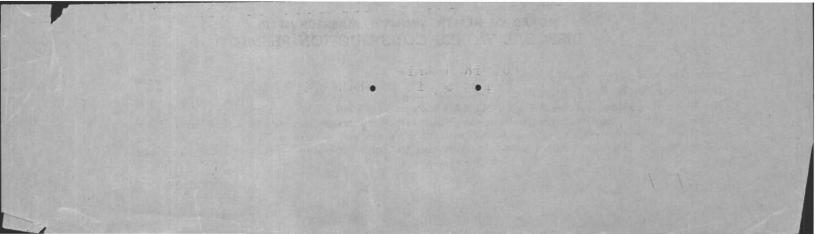


BOARD OF HEALTH, AMHERST, MASSACHUSETTS DISPOSAL WORKS CONSTRUCTION PERMIT

No. _____ This permit is issued with the understanding that future alterations or additions will be made if necessary. This permit shall not be construed as permission to create or maintain any sewage nuisance and in the issuance of this permit the Board of Health assumes no responsibility for the future operation or maintenance of the system.

Board of Health

DATE 9/24/69



Location Address or Lot No.

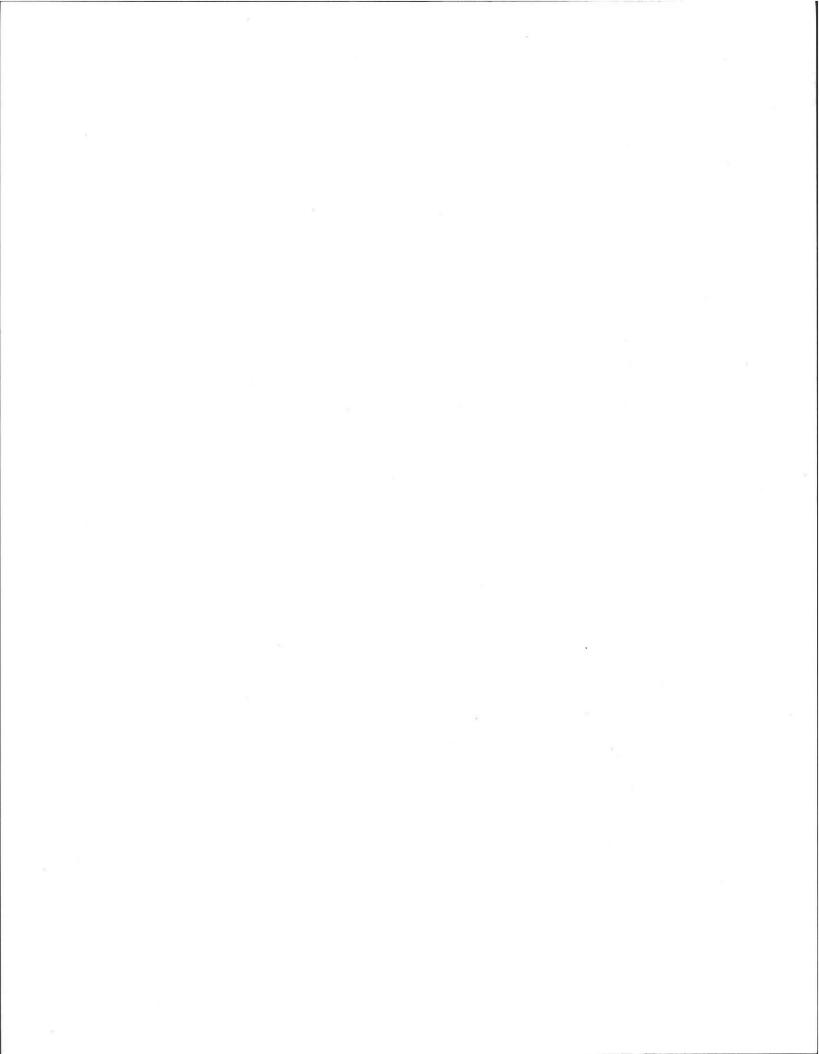
COMMONWEALTH OF MASSACHUSETTS

, Massachusetts

·	Percolation Test*	
Date: 7	/8//0 Tim	e: 12:00
Observation Hole #	PI	- /
Depth of Perc	34 "	
Start Pre-soak	12:25	-N
End Pre-soak	12:40	O.S.
Time at 12"	12:40	K.
Time at 9"	12:52	
Time at 6"	B1307	
Time (9"-6")	. 15	
Rate Min./Inch	5 mill-	
* Minimum of 1 per reserve area. Site Passed 🗹 Site Fa		formed in both the primary area AND
Performed By: Alen	W	·
Witnessed By: 60	/ .	
Comments: Monu	TED 54 sicen.	- 30" Warel.
·/		



DEP APPROVED FORM - 12/07/95





Commonwealth of Massachusetts Title 5 Official Inspection Form

Subsurface Sewage Disposal System Form - Not for Voluntary Assessments

	21 Highpoint Drive, Amherst, MA 01	1002			
	Property Address				
	Alan Peterfreund				
	Owner's Name				
1	Amherst	MA	01002	03.24.2010	
v	City/Town	State	Zip Code	Date of Inspection	

Inspection results must be submitted on this form. Inspection forms may not be altered in any way.

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



A. General Information

1. Inspector:

Alan E. Weiss		
Name of Inspector		
Cold Spring Environmental Consultants Ind	2	
Company Name		
350 Old Enfield Road		
Company Address		
Belchertown	MA	01007
City/Town	State	Zip Code
413.323.5957		
Telephone Number	License Number	

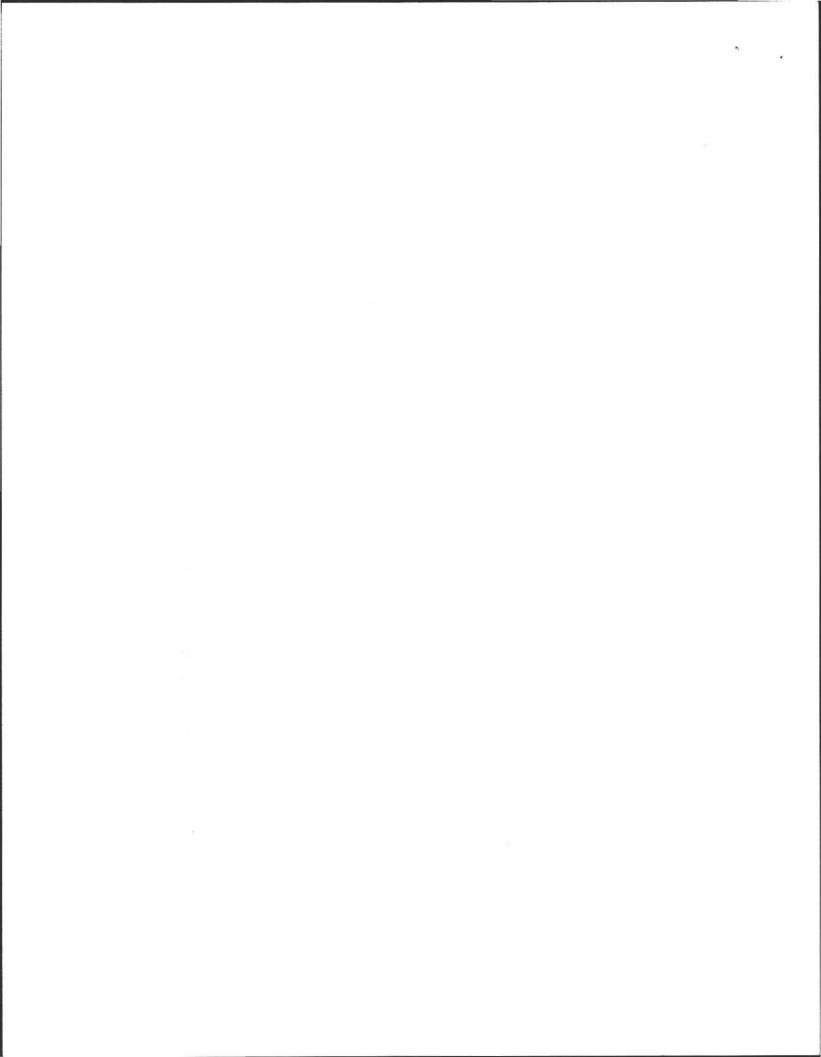
B. Certification

I certify that I have personally inspected the sewage disposal system at this address and that the information reported below is true, accurate and complete as of the time of the inspection. The inspection was performed based on my training and experience in the proper function and maintenance of on site sewage disposal systems. I am a DEP approved system inspector pursuant to Section 15.340 of Title 5 (310 CMR 15.000). The system:

Passes	Conditionally Passes	🛛 Fails
Needs Further Evaluation by	the Local Approving Authority	
ЛD		
The state of the s	03.24.2010	
Inspector's Signature	Date	

The system inspector shall submit a copy of this inspection report to the Approving Authority (Board of Health or DEP) within 30 days of completing this inspection. If the system is a shared system or has a design flow of 10,000 gpd or greater, the inspector and the system owner shall submit the report to the appropriate regional office of the DEP. The original should be sent to the system owner and copies sent to the buyer, if applicable, and the approving authority.

****This report only describes conditions at the time of inspection and under the conditions of use at that time. This inspection does not address how the system will perform in the future under the same or different conditions of use.





Commonwealth of Massachusetts Title 5 Official Inspection Form

Subsurface Sewage Disposal System Form - Not for Voluntary Assessments

Property Address			
Alan Peterfreund			
Owner's Name			
Amherst	MA	01002	03.24.2010
City/Town	State	Zip Code	Date of Inspection

B. Certification (cont.)

Inspection Summary: Check A,B,C,D or E / always complete all of Section D

A) System Passes:

I have not found any information which indicates that any of the failure criteria described in 310 CMR 15.303 or in 310 CMR 15.304 exist. Any failure criteria not evaluated are indicated below.

Comments:

System serves a 4 BR Residence. System has a older 1200 S. Tank. liquidgetting to corroded dist.
box (System is 40+/- yrs. old). Dist. box is weak with orangeburg pipe, box is in corroded/weakened
conditon falling apart when touched. Sys back up noted in s. tank (stained inside cover). L. stone
appears to be in seasonal groundwater, stone saturated 6" down " Well Test required IF
WELL : 3 USED IN DEW DESIRN

B) System Conditionally Passes:

One or more system components as described in the "Conditional Pass" section need to be replaced or repaired. The system, upon completion of the replacement or repair, as approved by the Board of Health, will pass.

Answer yes, no or not determined (Y, N, ND) in the i for the following statements. If "not determined," please explain.

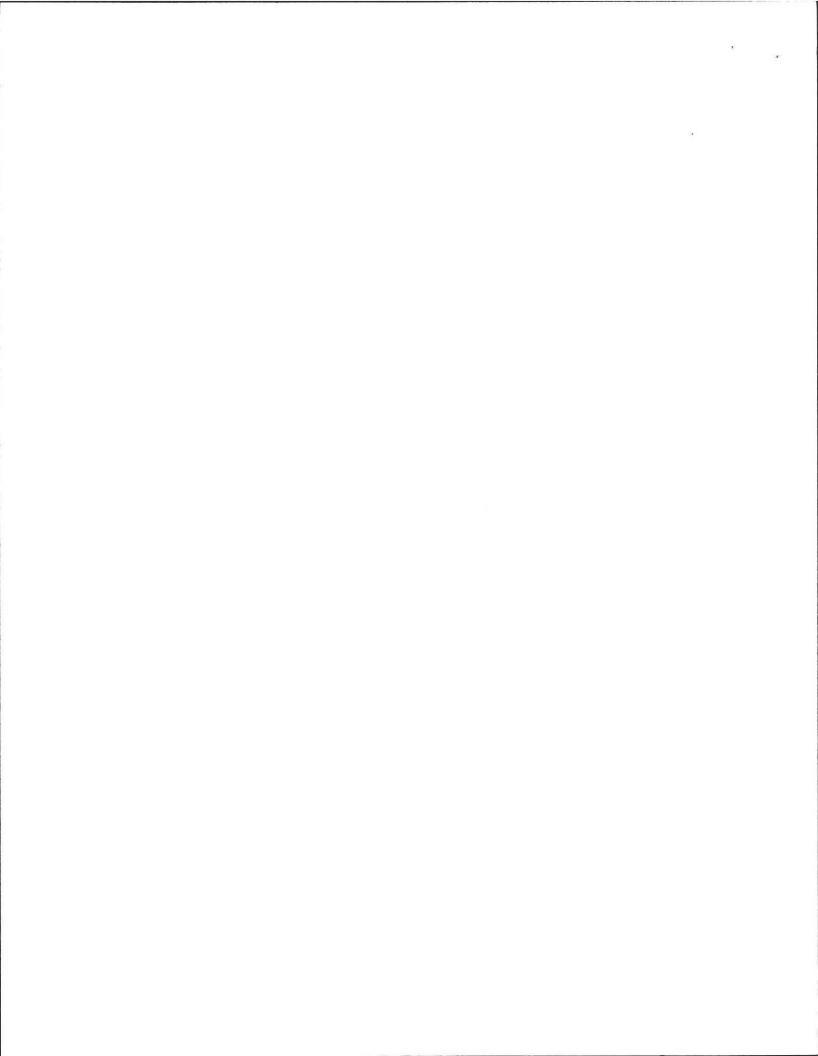
The septic tank is metal and over 20 years old* or the septic tank (whether metal or not) is structurally unsound, exhibits substantial infiltration or exfiltration or tank failure is imminent. System will pass inspection if the existing tank is replaced with a complying septic tank as approved by the Board of Health.

* A metal septic tank will pass inspection if it is structurally sound, not leaking and if a Certificate of Compliance indicating that the tank is less than 20 years old is available.

ND Explain:

Observation of sewage backup or break out or high static water level in the distribution box due
to broken or obstructed pipe(s) or due to a broken, settled or uneven distribution box. System will
pass inspection if (with approval of Board of Health):

- broken pipe(s) are replaced
- obstruction is removed





Commonwealth of Massachusetts Title 5 Official Inspection Form

Subsurface Sewage Disposal System Form - Not for Voluntary Assessments

every page.	City/Town	State	Zip Code	Date of Inspection	
Owner information is required for	Amherst	MA	01002	03.24.2010	
	Owner's Name				
	Alan Peterfreund				
	Property Address				
The second second	21 Highpoint Drive, Amherst, MA 01002				

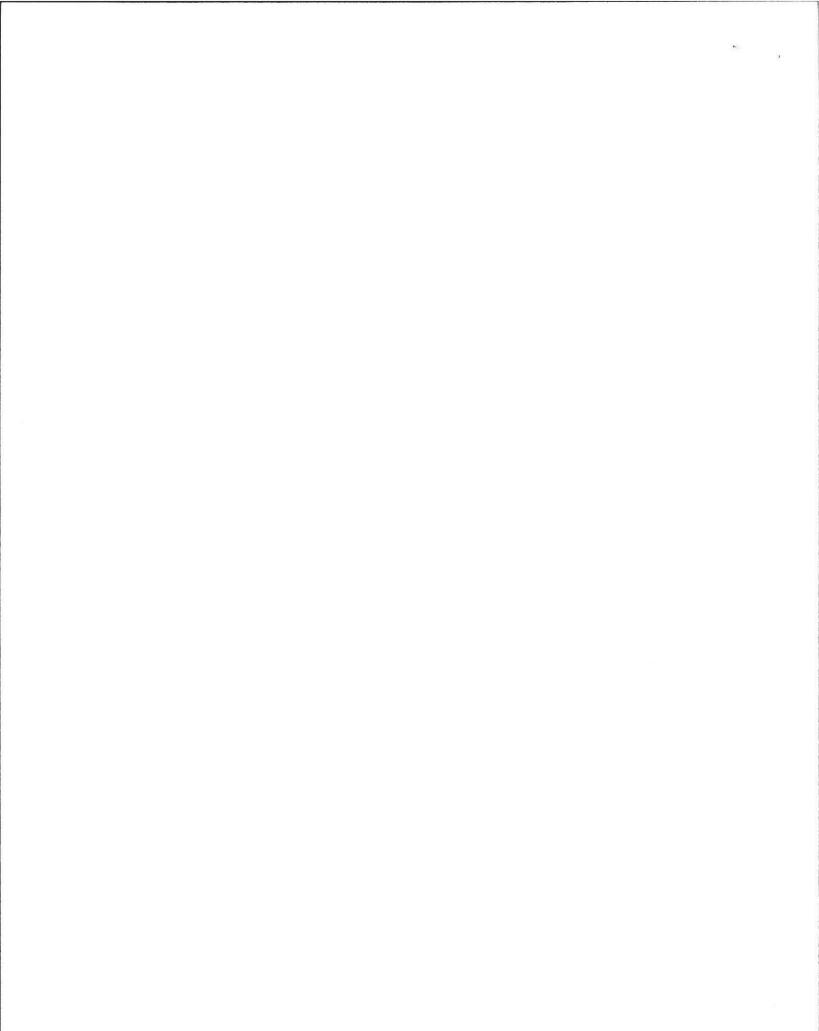
B

Ce	ertification (cont.)
B)	System Conditionally Passes (cont.):
	distribution box is leveled or replaced
ND) Explain:
	The system required pumping more than 4 times a year due to broken or obstructed pipe(s). The system will pass inspection if (with approval of the Board of Health):
	broken pipe(s) are replaced
	obstruction is removed
ND	D Explain:
C)	Further Evaluation is Required by the Board of Health:
	Conditions exist which require further evaluation by the Board of Health in order to determine if the system is failing to protect public health, safety or the environment.
	 System will pass unless Board of Health determines in accordance with 310 CMR 15.303(1)(b) that the system is not functioning in a manner which will protect public health, safety and the environment:
	Cesspool or privy is within 50 feet of a surface water
	Cesspool or privy is within 50 feet of a bordering vegetated wetland or a salt marsh
	System will fail unless the Board of Health (and Public Water Supplier, if any) determines that the system is functioning in a manner that protects the public health, safety and environment:

The system has a septic tank and soil absorption system (SAS) and the SAS is within 100 feet of a surface water supply or tributary to a surface water supply.

The system has a septic tank and SAS and the SAS is within a Zone 1 of a public water supply.

Π The system has a septic tank and SAS and the SAS is within 50 feet of a private water supply well.





Commonwealth of Massachusetts Title 5 Official Inspection Form

Subsurface Sewage Disposal System Form - Not for Voluntary Assessments

Property Address				
Alan Peterfreund				
Owner's Name				
Amherst	MA	01002	03.24.2010	
City/Town	State	Zip Code	Date of Inspection	

B. Certification (cont.)

- C) Further Evaluation is Required by the Board of Health (cont.):
 - The system has a septic tank and SAS and the SAS is less than 100 feet but 50 feet or more from a private water supply well**.

Method used to determine distance:			
IF word With new	Engineered	Eysten.	

** This system passes if the well water analysis, performed at a DEP certified laboratory, for coliform bacteria indicates absent and the presence of ammonia nitrogen and nitrate nitrogen is equal to or less than 5 ppm, provided that no other failure criteria are triggered. A copy of the analysis must be attached to this form.

3. Other:

System is only in use by 1 person.

D) System Failure Criteria Applicable to All Systems:

You must indicate "Yes" or "No" to each of the following for all inspections:

Yes	No	
\boxtimes		Backup of sewage into facility or system component due to overloaded or clogged SAS or cesspool
	\boxtimes	Discharge or ponding of effluent to the surface of the ground or surface waters due to an overloaded or clogged SAS or cesspool
	\square	Static liquid level in the distribution box above outlet invert due to an overloaded or clogged SAS or cesspool
	\boxtimes	Liquid depth in cesspool is less than 6" below invert or available volume is less than 1/2 day flow
	\boxtimes	Required pumping more than 4 times in the last year NOT due to clogged or obstructed pipe(s). Number of times pumped:
\bowtie		Any portion of the SAS, cesspool or privy is below high ground water elevation.
	\boxtimes	Any portion of cesspool or privy is within 100 feet of a surface water supply or tributary to a surface water supply.





Commonwealth of Massachusetts Title 5 Official Inspection Form

Subsurface Sewage Disposal System Form - Not for Voluntary Assessments

Property Address			
Alan Peterfreund			
Owner's Name			
Amherst	MA	01002	03.24.2010
City/Town	State	Zip Code	Date of Inspection

B. Certification (cont.)

D) System Failure Criteria Applicable to All Systems (cont.):

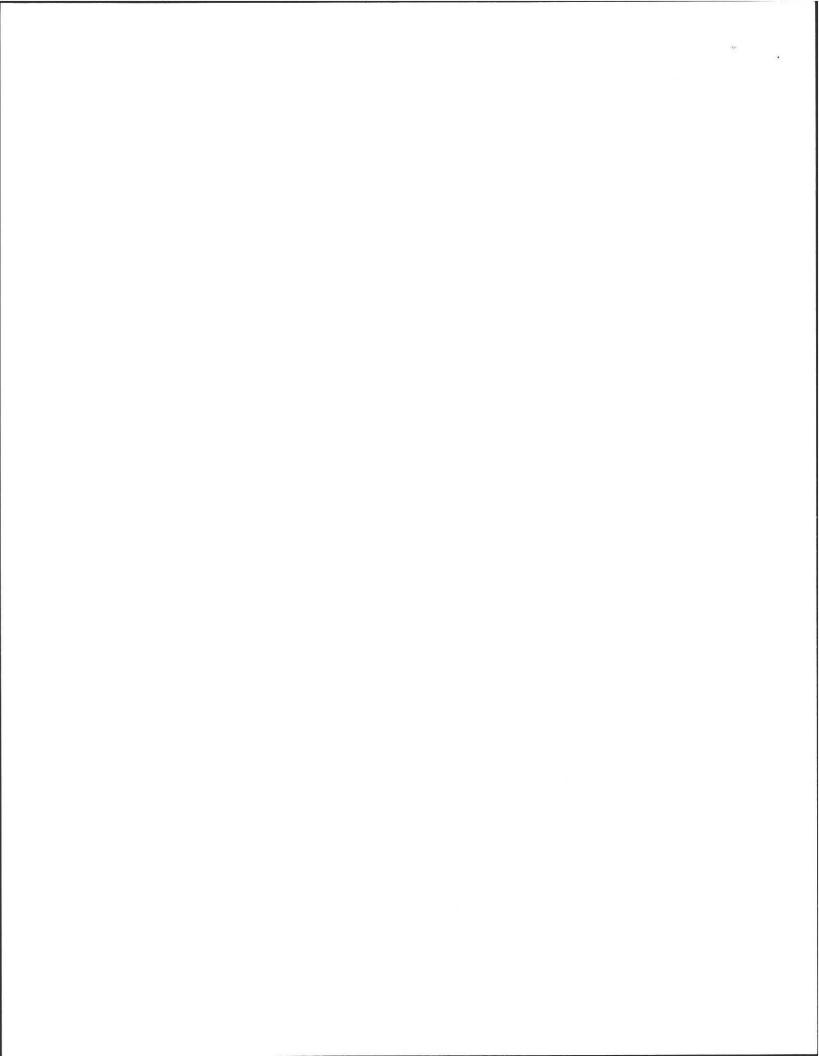
Yes	No	
	\boxtimes	Any portion of a cesspool or privy is within a Zone 1 of a public well.
	\boxtimes	Any portion of a cesspool or privy is within 50 feet of a private water supply well.
		Any portion of a cesspool or privy is less than 100 feet but greater than 50 feet from a private water supply well with no acceptable water quality analysis. [This system passes if the well water analysis, performed at a DEP certified laboratory, for fecal coliform bacteria indicates absent and the presence of ammonia nitrogen and nitrate nitrogen is equal to or less than 5 ppm, provided that no other failure criteria are triggered. A copy of the analysis and chain of custody must be attached to this form.]
	\boxtimes	The system is a cesspool serving a facility with a design flow of 2000gpd- 10,000gpd.
		The system <u>fails</u> . I have determined that one or more of the above failure criteria exist as described in 310 CMR 15.303, therefore the system fails. The system owner should contact the Board of Health to determine what will be necessary to correct the failure.

E) Large Systems: To be considered a large system the system must serve a facility with a design flow of 10,000 gpd to 15,000 gpd.

For large systems, you must indicate either "yes" or "no" to each of the following, in addition to the questions in Section D.

Yes	No	
		the system is within 400 feet of a surface drinking water supply
		the system is within 200 feet of a tributary to a surface drinking water supply
		the system is located in a nitrogen sensitive area (Interim Wellhead Protection Area – IWPA) or a mapped Zone II of a public water supply well

If you have answered "yes" to any question in Section E the system is considered a significant threat, or answered "yes" in Section D above the large system has failed. The owner or operator of any large system considered a significant threat under Section E or failed under Section D shall upgrade the system in accordance with 310 CMR 15.304. The system owner should contact the appropriate regional office of the Department.





Commonwealth of Massachusetts Title 5 Official Inspection Form

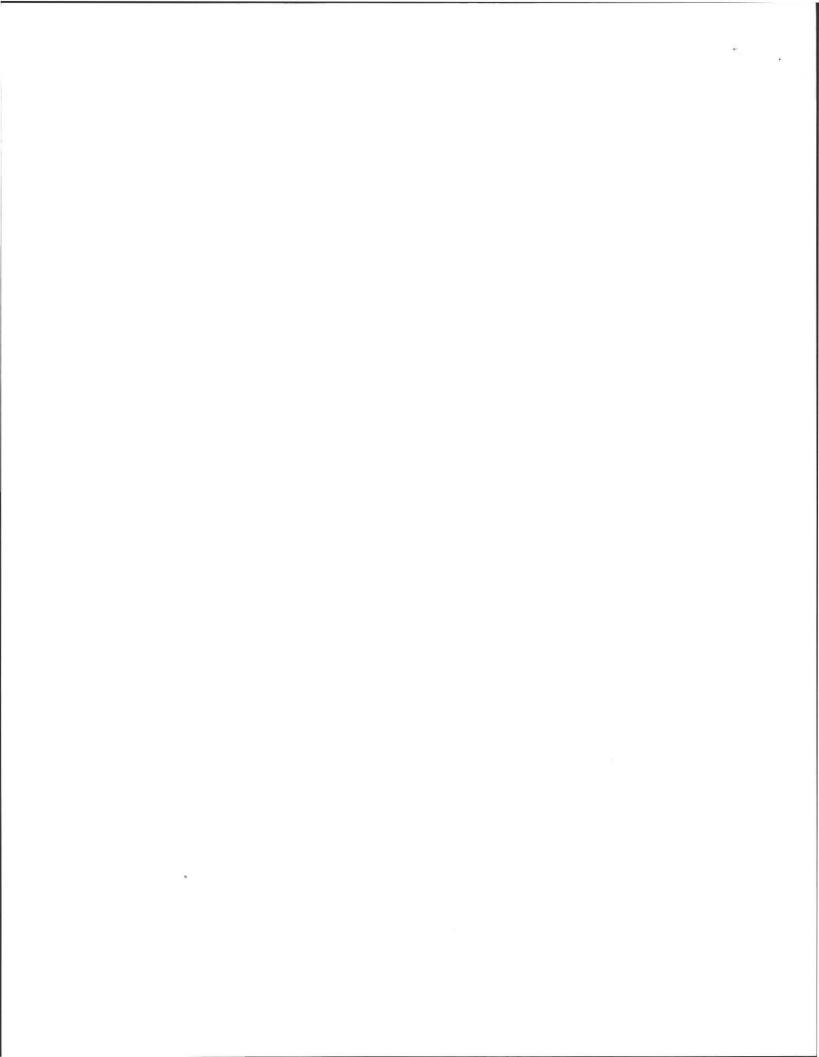
Subsurface Sewage Disposal System Form - Not for Voluntary Assessments

Property Address			
Alan Peterfreund			
Owner's Name			
Amherst	MA	01002	03.24.2010
City/Town	State	Zip Code	Date of Inspection

C. Checklist

Check if the following have been done. You must indicate "yes" or "no" as to each of the following:

Yes	No	
\boxtimes		Pumping information was provided by the owner, occupant, or Board of Health
	\boxtimes	Were any of the system components pumped out in the previous two weeks?
\boxtimes		Has the system received normal flows in the previous two week period?
	\boxtimes	Have large volumes of water been introduced to the system recently or as part of this inspection?
	\square	Were as built plans of the system obtained and examined? (If they were not available note as N/A)
\boxtimes		Was the facility or dwelling inspected for signs of sewage back up?
\boxtimes		Was the site inspected for signs of break out?
\boxtimes		Were all system components, excluding the SAS, located on site?
		Were the septic tank manholes uncovered, opened, and the interior of the tank inspected for the condition of the baffles or tees, material of construction, dimensions, depth of liquid, depth of sludge and depth of scum?
\boxtimes		Was the facility owner (and occupants if different from owner) provided with information on the proper maintenance of subsurface sewage disposal systems?
		The size and location of the Soil Absorption System (SAS) on the site has been determined based on:
\boxtimes		Existing information. For example, a plan at the Board of Health.
\boxtimes		Determined in the field (if any of the failure criteria related to Part C is at issue approximation of distance is unacceptable) [310 CMR 15.302(5)]





Commonwealth of Massachusetts Title 5 Official Inspection Form Subsurface Sewage Disposal System Form - Not for Voluntary Assessments

Owner
information is
required for
every page.

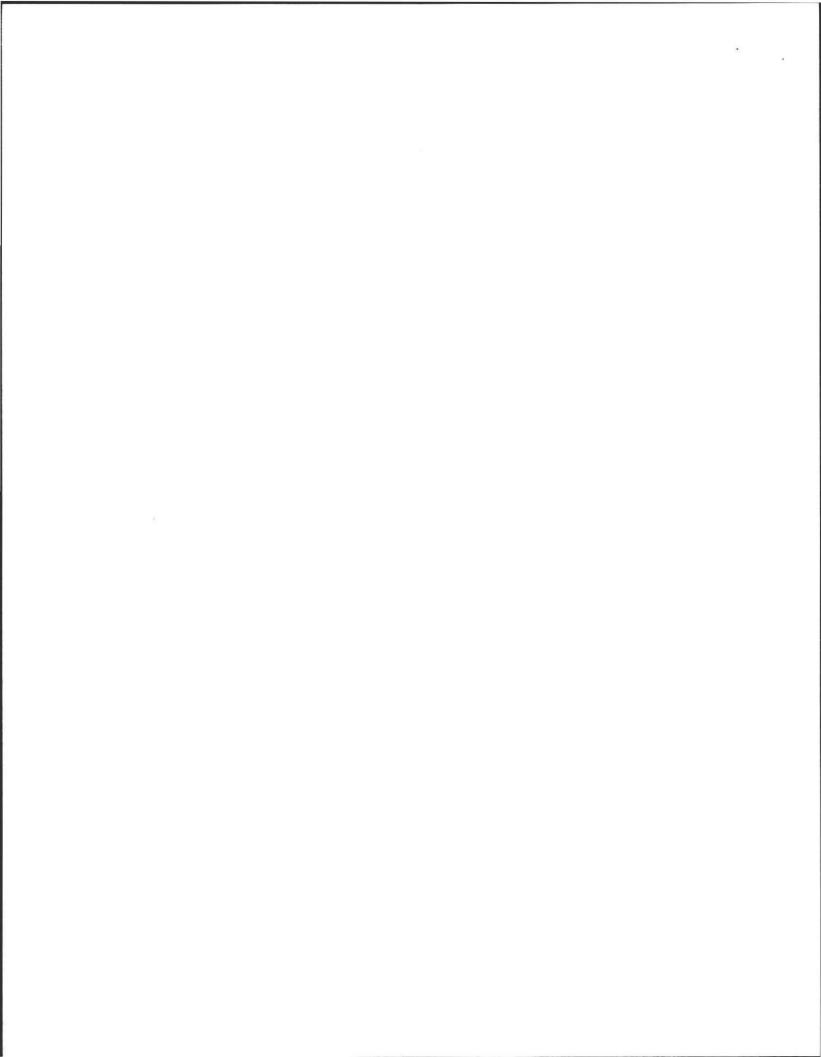
21 Highpoint Drive, Amherst, M	A 01002	
Property Address		
Alan Peterfreund		
Owner's Name		
Amherst	MA	0
City/Town	State	Zi

1002 Zip Code State

03.24.2010 Date of Inspection

D. System Information

Residential Flow Conditions:	
Number of bedrooms (design):	Number of bedrooms (actual):
DESIGN flow based on 310 CMR 15.203 (for	or example: 110 gpd x # of bedrooms):
Number of current residents:	1
Does residence have a garbage grinder?	🗌 Yes 🖾 No
Is laundry on a separate sewage system? [i	f yes separate inspection required]
Laundry system inspected?	🗌 Yes 🖾 No
Seasonal use?	🗌 Yes 🛛 No
Water meter readings, if available (last 2 ye	ars usage (gpd)):
Sump pump?	🗌 Yes 🖾 No
Last date of occupancy:	Current Date
Commercial/Industrial Flow Conditions:	
Type of Establishment:	
Design flow (based on 310 CMR 15.203):	Gallons per day (gpd)
Basis of design flow (seats/persons/sq.ft., e	tc.):
Grease trap present?	🗌 Yes 🛛 No
Industrial waste holding tank present?	🗌 Yes 🛛 No
Non-sanitary waste discharged to the Title	5 system? 🗌 Yes 🛛 No
Water meter readings, if available:	N/A
Last date of occupancy/use:	N/A Date
Other (describe): N/A	





Commonwealth of Massachusetts Title 5 Official Inspection Form

Subsurface Sewage Disposal System Form - Not for Voluntary Assessments

Property Address				
Alan Peterfreund				
Owner's Name				
Amherst	MA	01002	03.24.2010	
City/Town	State	Zip Code	Date of Inspection	

D. System Information (cont.)

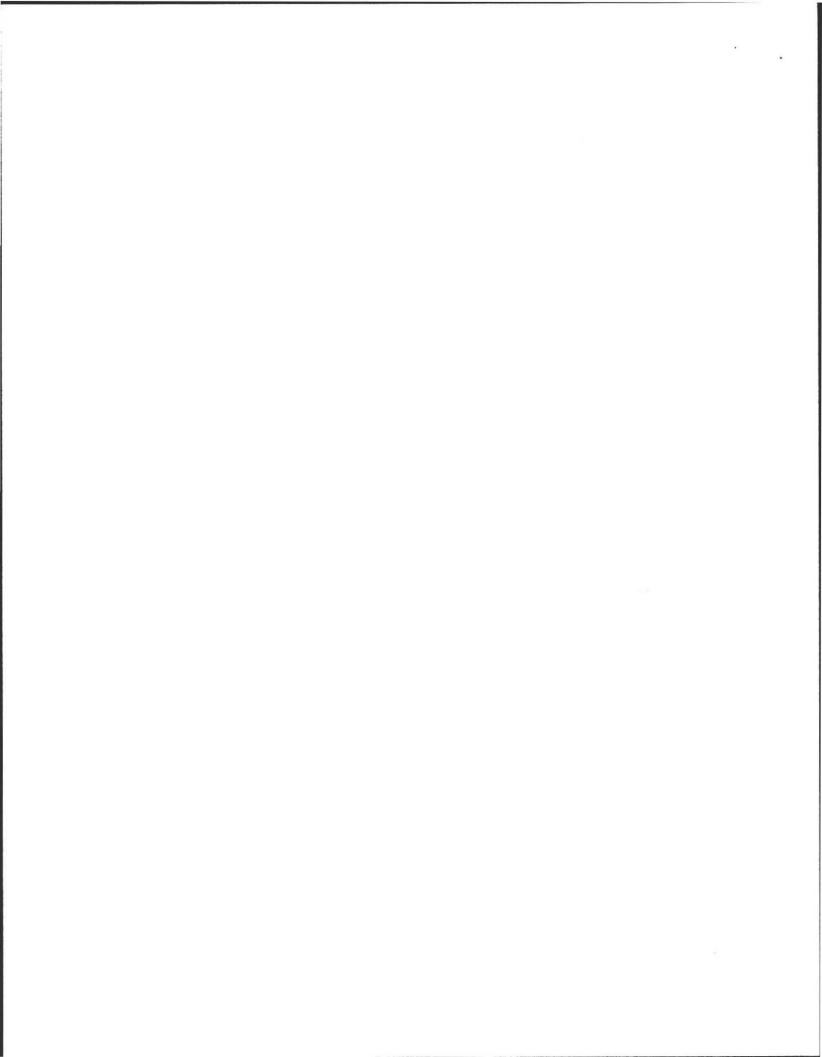
General Information

Pumping Reco	rds:		
Source of information:		Owner: (4 yr)	
Was system pumped as part of the inspection?		🗌 Yes 🛛 No	
If yes, volume pumped:		gallons	
How was quant	ity pumped determined?		
Reason for purr	nping:	Deferred to repair	
Type of System	n:		
\boxtimes	Septic tank, distribution box, so	bil absorption system	
	Single cesspool		
	Overflow cesspool		
	Privy		
	Shared system (yes or no) (if yes, attach previous inspection records, if any)		
	Innovative/Alternative technology. Attach a copy of the current operation and maintenance contract (to be obtained from system owner)		
	Tight tank. Attach a copy of the	e DEP approval.	
	Other (describe):		

Approximate age of all components, date installed (if known) and source of information: 40 + Years

Were sewage odors detected when arriving at the site?

🗌 Yes 🛛 No



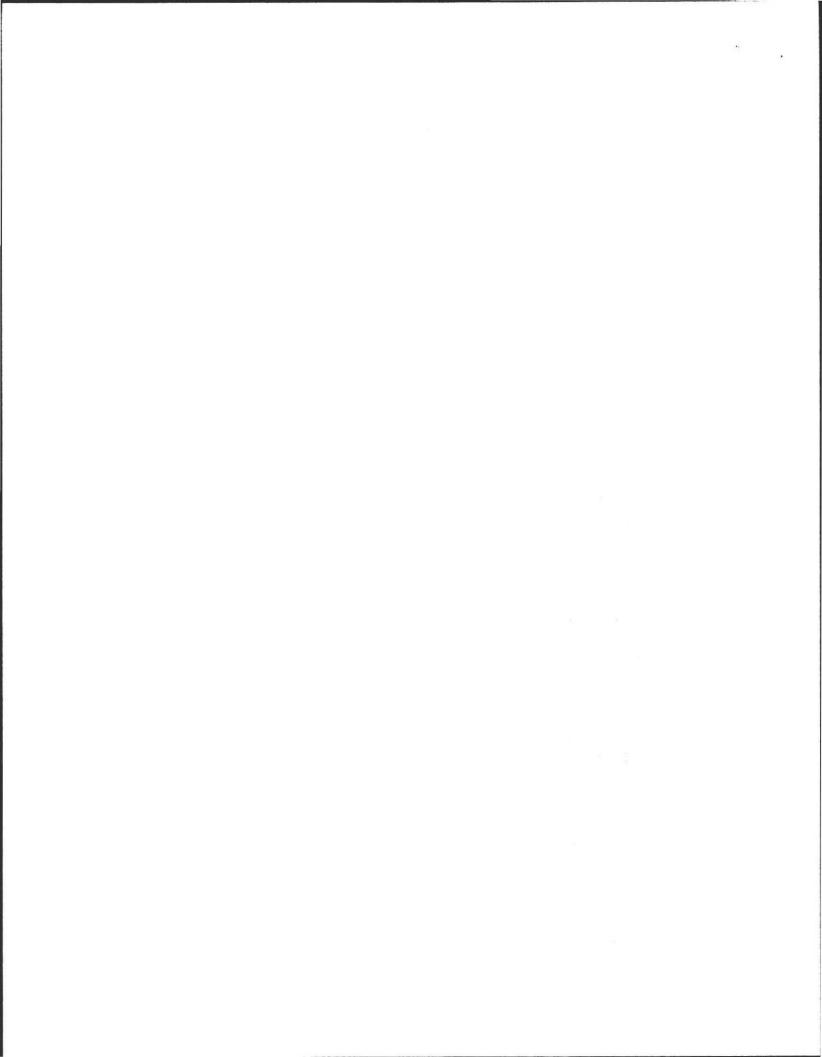


Commonwealth of Massachusetts Title 5 Official Inspection Form Subsurface Sewage Disposal System Form - Not for Voluntary Assessments

Property Address				
Alan Peterfreund				
Owner's Name				
Amherst	MA	01002	03.24.2010	
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System Info	ormation (cont	.)				
Building Sewer	(locate on site plan)					
Lepth below drade.			1.'+ feet			
Material of const	ruction:					
cast iron	40 PVC	🛛 other (explain): Orangeburg			
Distance from private water supply well or suction line:			10' + feet			
Comments (on c	ondition of joints, ve	nting, evidence of leak	age, etc.):			
Septic Tank (loc	cate on site plan):					
Depth below grade:			.75'			
Material of const	ruction:					
Concrete	metal	☐ fiberglass	polyethylene	other (explain		
If tank is metal, I	ist age:		years			
Is age confirmed	l by a Certificate of C	Compliance? (attach a d		🗌 Yes 🛛 No		
Dimensions:			8.5'X4.5'X4.'			
Dimensions: Sludge depth: Distance from top of sludge to bottom of outlet tee or baffle Scum thickness			4"	4" 40" 2"		
			40"			
			2"			
Distance from to	p of scum to top of c	outlet tee or baffle	6"			
		tom of outlet tee or baf	fle 10"			
How were dimensions determined?			Measured			

Title 5 Official Inspection Form: Subsurface Sewage Disposal System • Page 9 of 15





Commonwealth of Massachusetts Title 5 Official Inspection Form

Subsurface Sewage Disposal System Form - Not for Voluntary Assessments

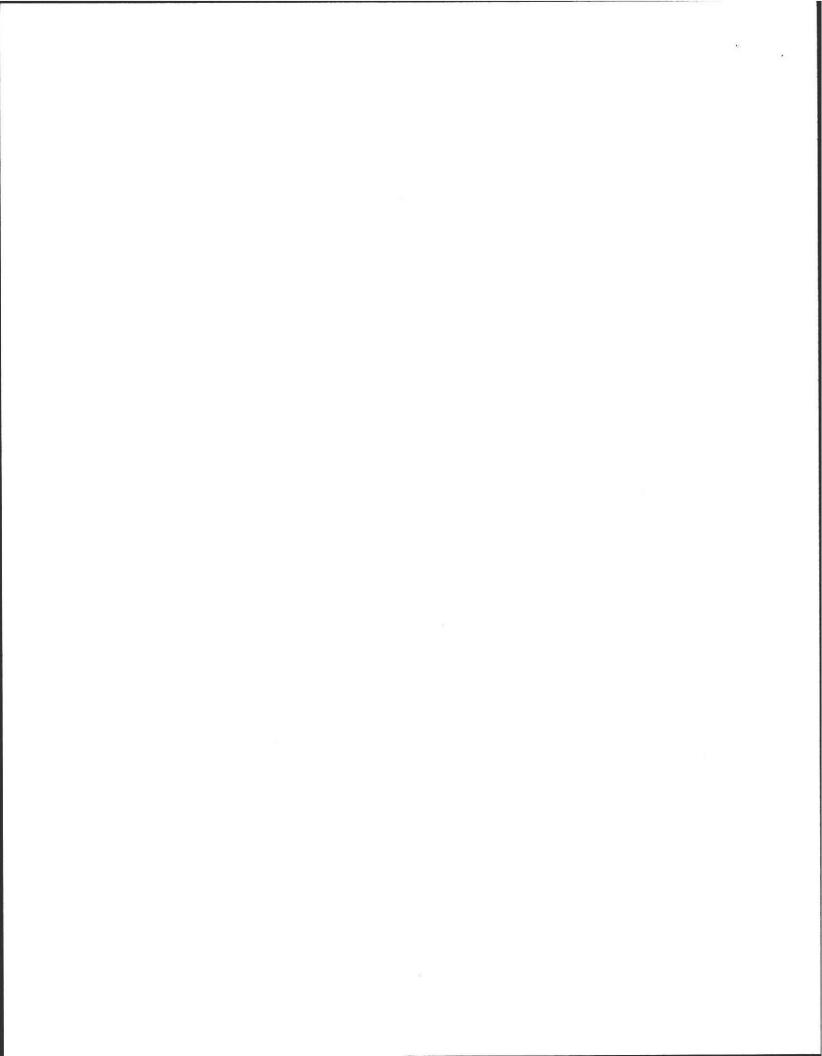
Property Address			
Alan Peterfreund			
Owner's Name			
Amherst	MA	01002	03.24.2010
City/Town	State	Zip Code	Date of Inspection

D. System Information (cont.)

Comments (on pumping recommendations, inlet and outlet tee or baffle condition, structural integrity, liquid levels as related to outlet invert, evidence of leakage, etc.):

Tank level at invert poured in place baffles corroded and weak (built in).

		*		
Grease Trap (loo	cate on site plan):			
Depth below grad	de:		N/A feet	
Material of const	ruction:			
	metal	fiberglass	polyethylene other	(explain):
Dimensions:			N/A	
Scum thickness			N/A	
Distance from to	p of scum to top of o	outlet tee or baffle	N/A	
Distance from bo	ottom of scum to bott	om of outlet tee or baff	e <u>N/A</u>	
Date of last pum	ping:	N/A Date		
		ations, inlet and outlet t	ee or baffle condition, structural	integrity,
N/A				
Tight or Holding	g Tank (tank must b	e pumped at time of ins	pection) (locate on site plan):	
Depth below gra	de:		N/A	
Material of const	ruction:			
☐ concrete N/A	metal	☐ fiberglass	polyethylene other	(explain):



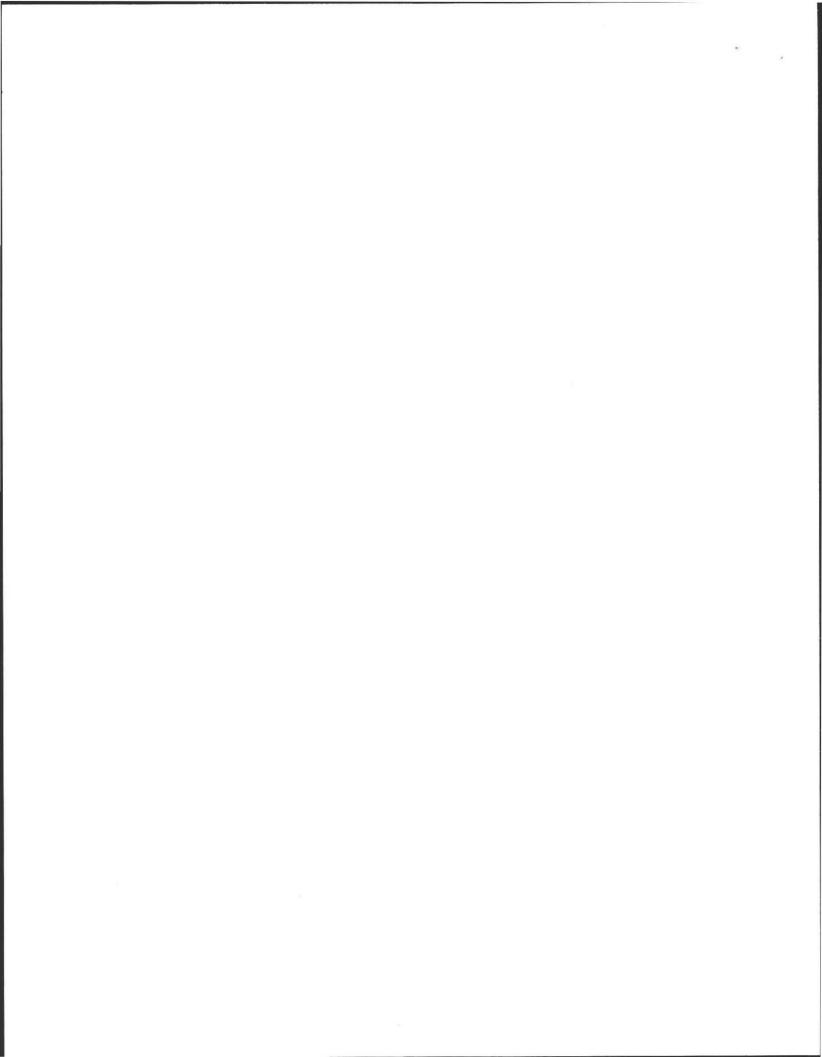


Commonwealth of Massachusetts Title 5 Official Inspection Form Subsurface Sewage Disposal System Form - Not for Voluntary Assessments

Property Address			
Alan Peterfreund			
Owner's Name			
Amherst	MA	01002	03.24.2010
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D. System Information (cont.)

Tight or Holding Tank (cont.)	
Dimensions:	N/A
Capacity:	N/A gallons
Design Flow:	N/A gallons per day
Alarm present:	🗌 Yes 🗌 No
Alarm level: N/A	Alarm in working order: Yes No
Date of last pumping:	N/A Date
Comments (condition of alarm and float N/A	t switches, etc.):
* Attach copy of current pumping contra Distribution Box (if present must be o	
Depth of liquid level above outlet invert	Weak, corroded & cracked walls.
Comments (note if box is level and dist evidence of leakage into or out of box,	ribution to outlets equal, any evidence of solids carryover, any etc.):
Box has liquid level an inch higher than	k invert, some carry over noted, concrete is corroded.
Pump Chamber (locate on site plan):	
Pumps in working order:	🗌 Yes 🗌 No
Alarms in working order:	🗌 Yes 🗌 No





Commonwealth of Massachusetts Title 5 Official Inspection Form

Subsurface Sewage Disposal System Form - Not for Voluntary Assessments

21 Highpoint Drive, Amherst, MA Property Address			
Alan Peterfreund			
Owner's Name			
Amherst	MA	01002	03.24.2010
City/Town	State	Zip Code	Date of Inspection

D. System Information (cont.)

Comments (note condition of pump chamber, condition of pumps and appurtenances, etc.):

Soil Absorption System (SAS) (locate on site plan, excavation not required):

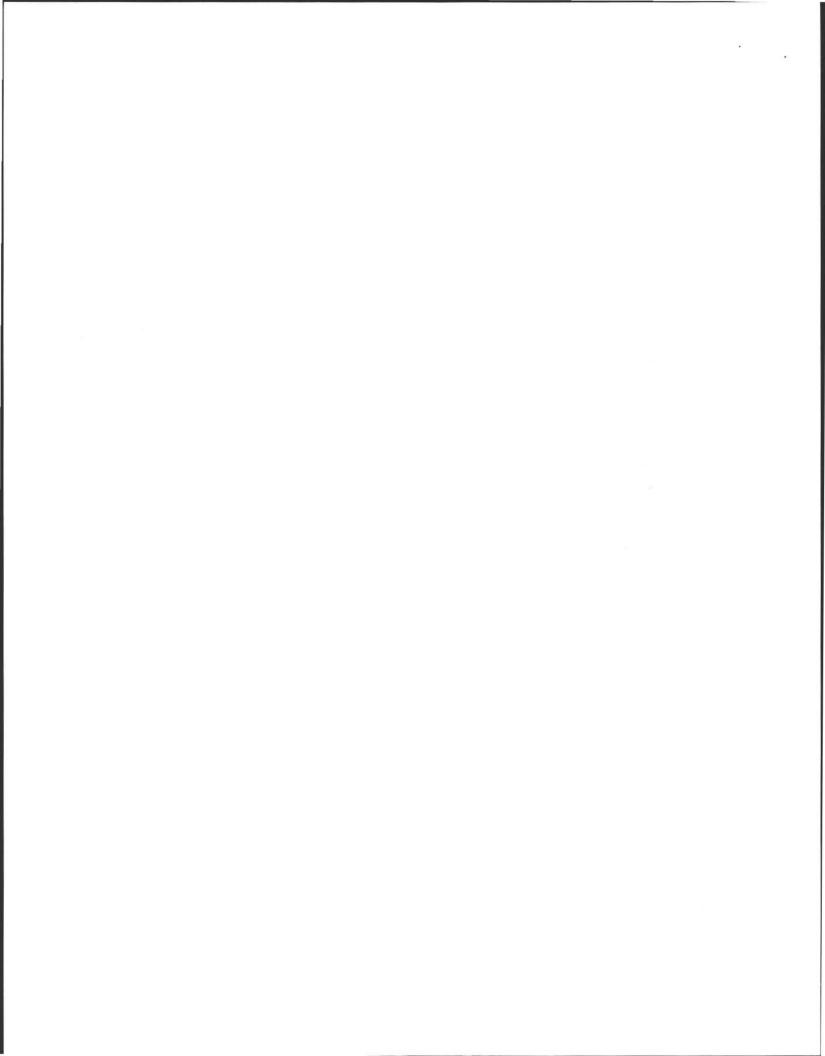
If SAS not located, explain why:

System found and was detiorated with partial evidence of past back-up where, pipe very weak and breaks upon contact. in places. (4 lines out of Dist. Box).

Туре:			
	leaching pits	number:	
	leaching chambers	number:	
	leaching galleries	number:	
	leaching trenches	number, length:	1
\boxtimes	leaching fields	number, dimensions:	20 x 25' +/-
	overflow cesspool	number:	(a
	innovative/alternative system		
	Type/name of technology:		

Comments (note condition of soil, signs of hydraulic failure, level of ponding, damp soil, condition of vegetation, etc.):

S. tank has high staining, Dist box weak, Orangeburg pipe degraded. Bottom of I. stone interpreted to be in seasonal estimated high groundwater at 24". Recommend engineered new system.





Owner information is required for every page.

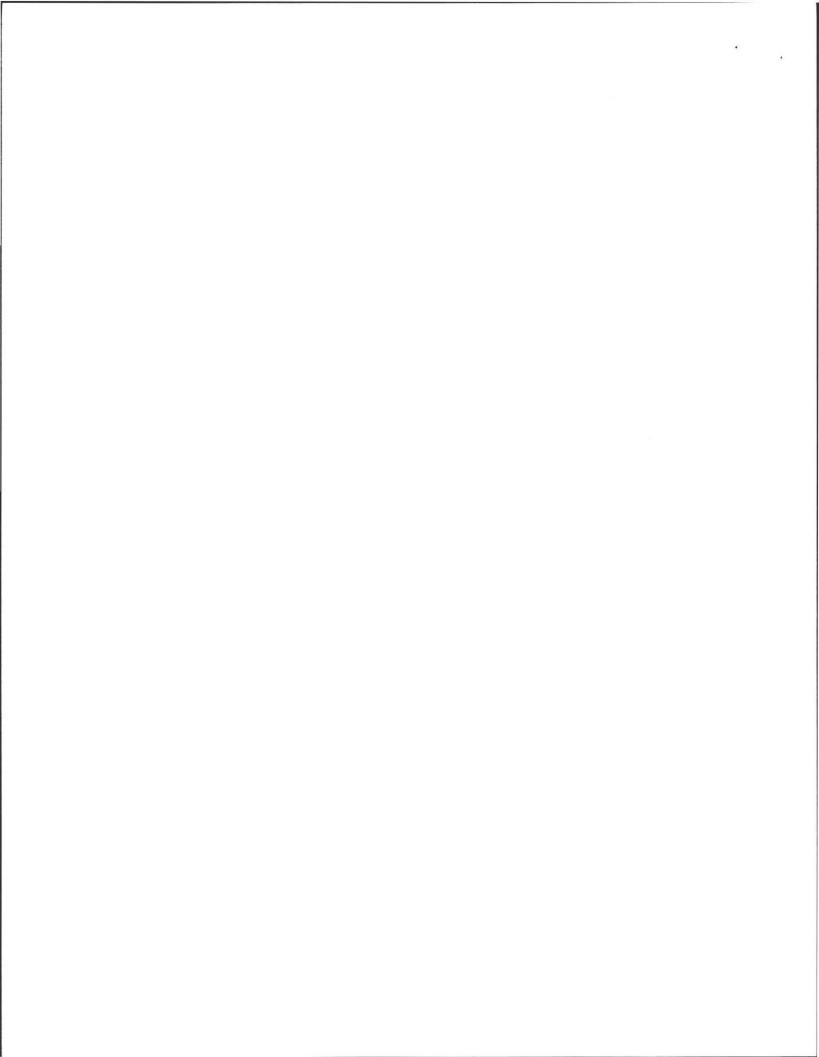
Commonwealth of Massachusetts Title 5 Official Inspection Form Subsurface Sewage Disposal System Form - Not for Voluntary Assessments

Property Address			
Alan Peterfreund			
Owner's Name			
Amherst	MA	01002	03.24.2010
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D. System Information (cont.)

Cesspools (cesspool must be pumped as part of inspection) (locate on site plan):

esseptere (essepter matter be pain	pou do part or mopoodor) (level	e en ene preniji	
Number and configuration			
Depth – top of liquid to inlet invert			
Depth of solids layer			
Depth of scum layer			
Dimensions of cesspool			
Materials of construction		3 2	
Indication of groundwater inflow		🗌 Yes	No No
Comments (note condition of soil, s etc.):	signs of hydraulic failure, level of	ponding, condit	ion of vegetation,
Privy (locate on site plan):			
Materials of construction:	<u>N/A</u>		
Dimensions	N/A		
Depth of solids	N/A		
Comments (note condition of soil, s etc.):	signs of hydraulic failure, level of	ponding, condit	tion of vegetation,
N/A			





Owner information is required for every page.

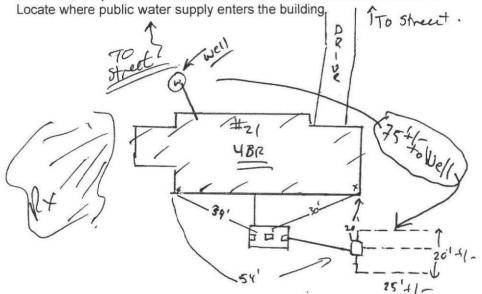
Commonwealth of Massachusetts Title 5 Official Inspection Form

Subsurface Sewage Disposal System Form - Not for Voluntary Assessments

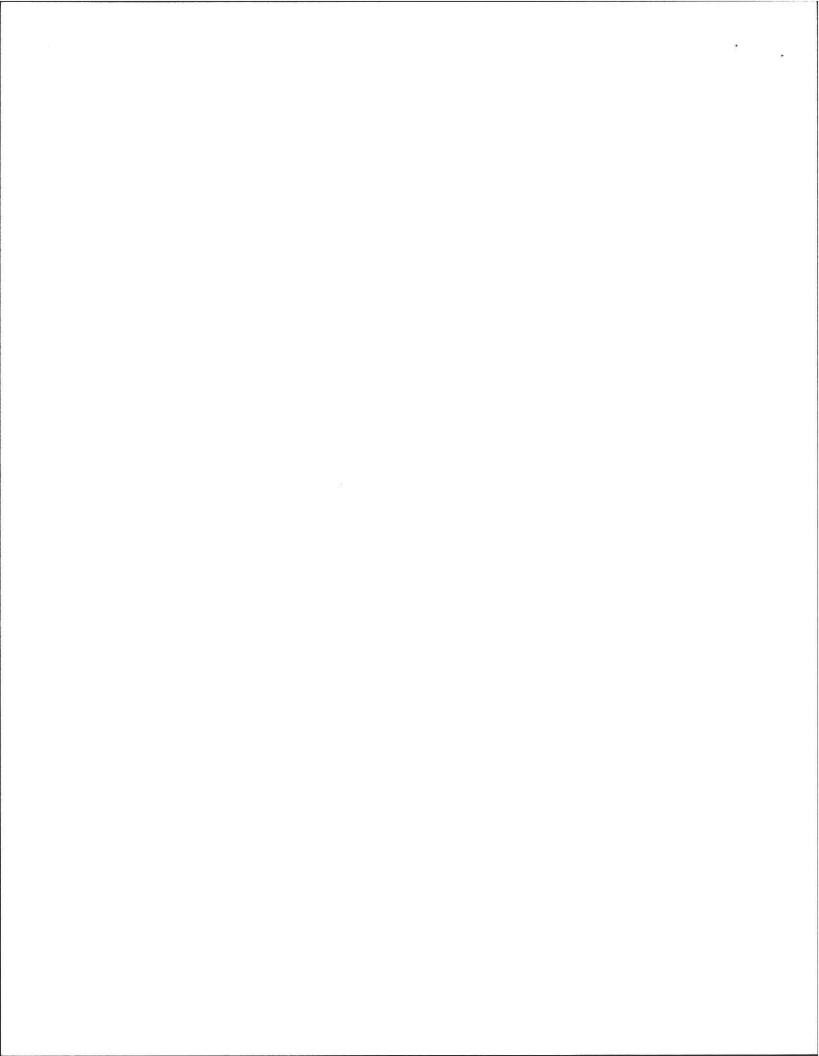
Property Address			
Alan Peterfreund			
Owner's Name			
Amherst	MA	01002	03.24.2010
City/Town	State	Zip Code	Date of Inspection

D. System Information (cont.)

Sketch Of Sewage Disposal System: Provide a sketch of the sewage disposal system including ties to at least two permanent reference landmarks or benchmarks. Locate all wells within 100 feet.









Owner information is required for every page.

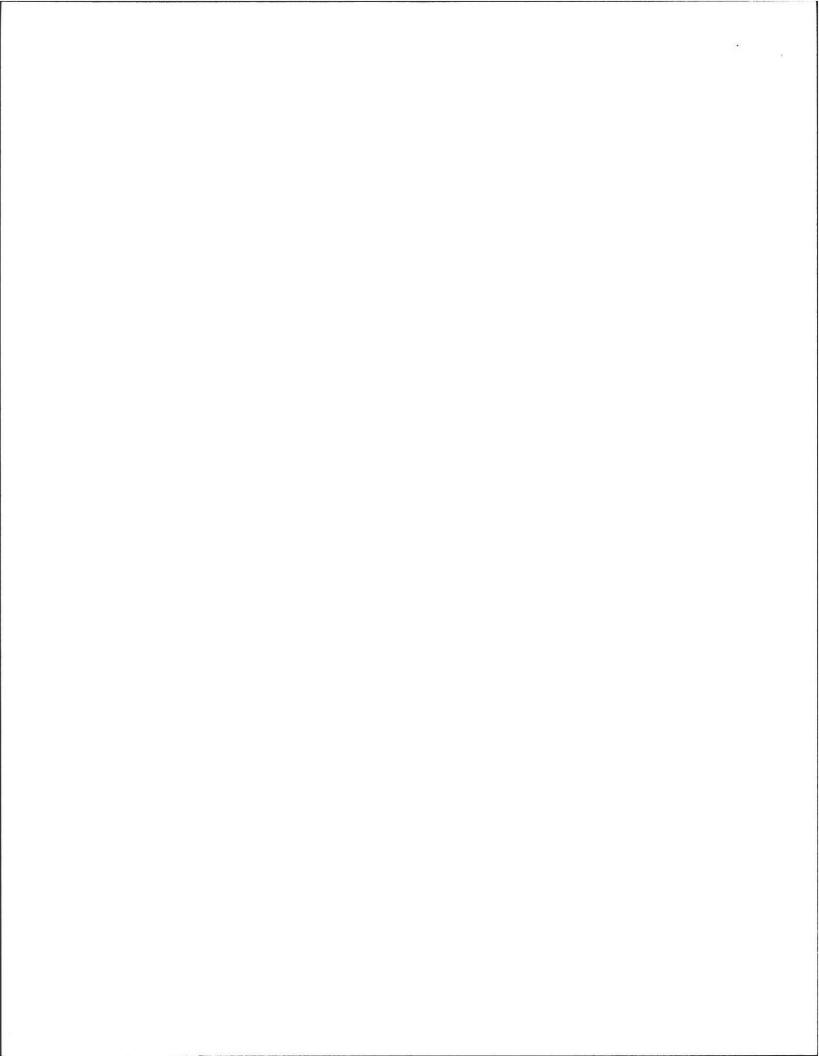
Commonwealth of Massachusetts Title 5 Official Inspection Form Subsurface Sewage Disposal System Form - Not for Voluntary Assessments

Property Address			
Alan Peterfreund			
Owner's Name			
Amherst	MA	01002	03.24.2010
City/Town	State	Zip Code	Date of Inspection

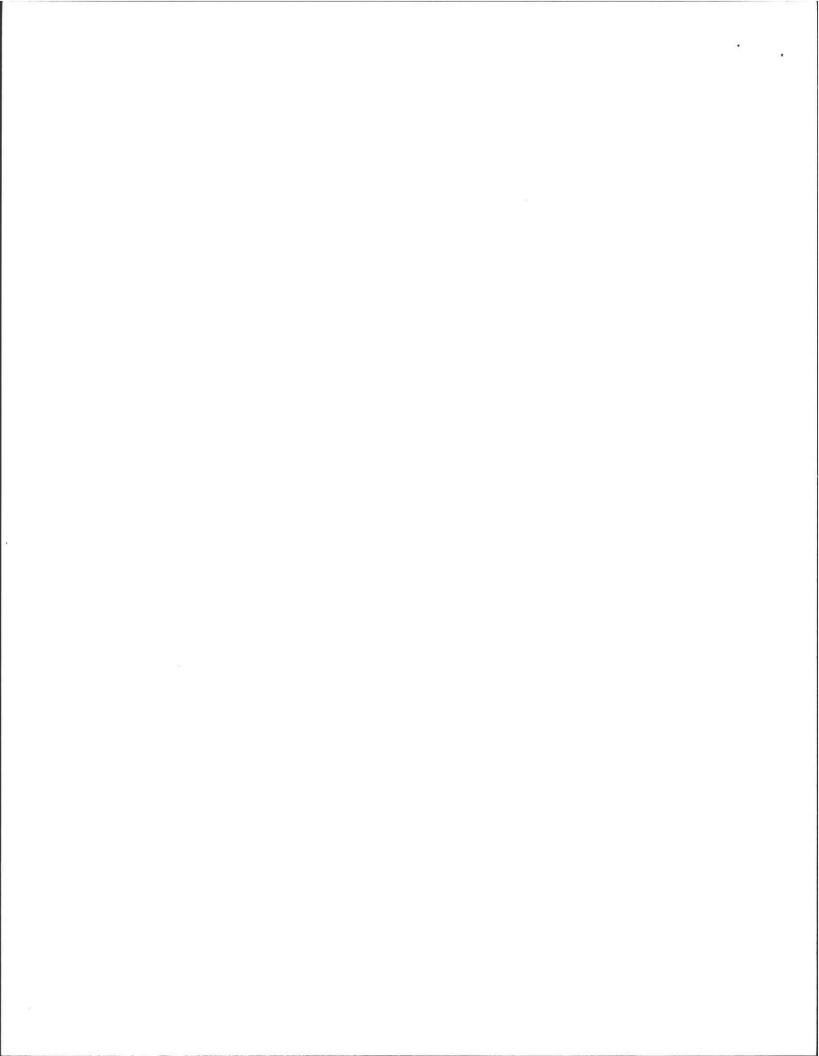
am: eck Slope face water eck cellar
face water eck cellar
eck cellar
llow wells
ed depth to ground water: 2'+
indicate all methods used to determine the high ground water elevation:
Obtained from system design plans on record
If checked, date of design plan reviewed: Date
Observed site (abutting property/observation hole within 150 feet of SAS)
Checked with local Board of Health - explain:
Checked with local excavators, installers - (attach documentation)
Accessed USGS database - explain:
ist describe how you established the high ground water elevation: existing records.
1

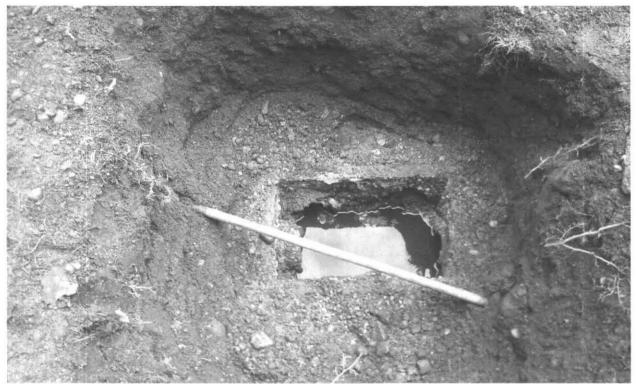
*

. /	#21 High Point
ľ.	HIGH POINT BOARD OF HEALTH, AMHERST, MASSACHUSETTS
.0	APPLICATION FOR DISPOSAL WORKS CONSTRUCTION PERMIT
	No. 69-9 Date Sept. 24 1969 Fee \$ 3 Date Rec'd. Sept. 24, 1969 By Ced
	Application is hereby made for a permit to Construct (X) or Repair () an Individual Sewage Disposal System at:
	Location-Address _Lot - 2/High Point Hill or Lot No.
	Owner Roy Industries Address AmherstRd. Shutesbury
*	Contractor Same Address
	Type of Building Dimensions Size Lot acre
	Dwelling-No. of Bedrooms 4 Expansion Attic (np Garbage Grinder (Np 3
	Other No. of persons Showers ()
	Other fixtures Type of Well Artesian
	Design Flow 50 gallons per person per day. Total daily flow gallons
	Septic Tank—Liquid capacity <u>1200</u> gallons Dimensions: L W D
	Disposal Trench-No Width Total Length Total leaching area sq. ft.
	Disposal Bed—No. 1 Diameter 10x45 Depth below inlet Total leaching area 450 sq. ft.
	Dry Well-No Diameter Depth below inlet Dimensions: x x
	(Depth of Soil Line Below finished grade at foundation) Percolation Test Results Performed by Drake Date 9/24/69
•	Percolation Test Results Performed by Drake Date 9/24/69
	Test Pit No. 1 minutes per inch Depth of Test Pit362
*	Test Pit No. 2 minutes per inch Depth of Test Pit Depth of Test Pit Depth of Soil not found
	Will line for the fill 12
	Will disposal area be filled? Cut down? (On reverse side or separate sheet, show plot plan with building. Include dimensions, distances from all boundaries.
	Show location of wells, streams, ledge, large trees, etc.)
	AGREEMENT: The undersigned agrees to construct the aforedescribed individual sewage disposal system in accord-
	ance with the provisions of Article XI of the Sanitary Code and regulations of the Amherst Board of Health. The un-
	dersigned further agrees not to place the system in operation until a Certificate of Compliance has been issued by this board of health.
	Board of nearly logging that filling mach
	TOPSAL READUS REPERS X Replice for builder The fate Application Approved by C.E. Drake Witz Bracken.
	Application Approved by
	Application Disapproved for the following reasons:
	BOARD OF HEALTH, AMHERST, MASSACHUSETTS
	CERTIFICATE OF COMPLIANCE
	THIS IS TO CERTIFY, That the individual Sewage Disposal System installed (X) or repaired () by
•1	W.W. Charge at her 46 High the has been constructed in accordance with the provisions of
	Article XI of the State Sanitary Code as described in the application for Disposal Works Construction Permit No.
	69-9 dated $9-24-69$
	The issuance of this certificate shall not be construed as a guarantee that the system will function satisfactorily.
	DATE APR. 1970
	BOARD OF HEALTH, AMHERST, MASSACHUSETTS
	DISPOSAL WORKS CONSTRUCTION PERMIT
	No. 69-9
	No. 69-9
· · ·	No. <u>69-9</u> Permission is hereby granted <u>Roy industries</u> to construct (^X) or repair () an Individual Sewage Disposal System at <u>Lot 76 High point hill</u> <u>al the</u> Court
•	No. <u>Permission is hereby granted</u> Roy industries to construct (^x) or repair () an Individual Sewage Disposal System at <u>Lot 76 High point hill</u> <u>Al High Point</u> as shown on the application for Disposal Works Construction Permit No. <u>69-5</u>
	No. <u>69-9</u> Permission is hereby granted <u>Roy industries</u> to construct (^x) or repair () an Individual Sewage Disposal System at <u>Lot 76 High point hill</u> <u>Al High Point</u> as shown on the application for Disposal Works Construction Permit No. <u>69-9</u> This permit is issued with the understanding that future alterations or additions will be made if necessary. This permit shall not be construed as permission to create or maintain any sewage nuisance and in the issuance of this
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	No. <u>Permission is hereby granted</u> <u>Roy industries</u> to construct (X) or repair () an Individual Sewage Disposal System at <u>Lot 46 High point hill</u> <u>Al High Point</u> as shown on the application for Disposal Works Construction Permit No. <u>69-9</u> This permit is issued with the understanding that future alterations or additions will be made if necessary. This permit shall not be construed as permission to create or maintain any sewage nuisance and in the issuance of this permit the Board of Health assumes no responsibility for the future operation or maintenance of the system.
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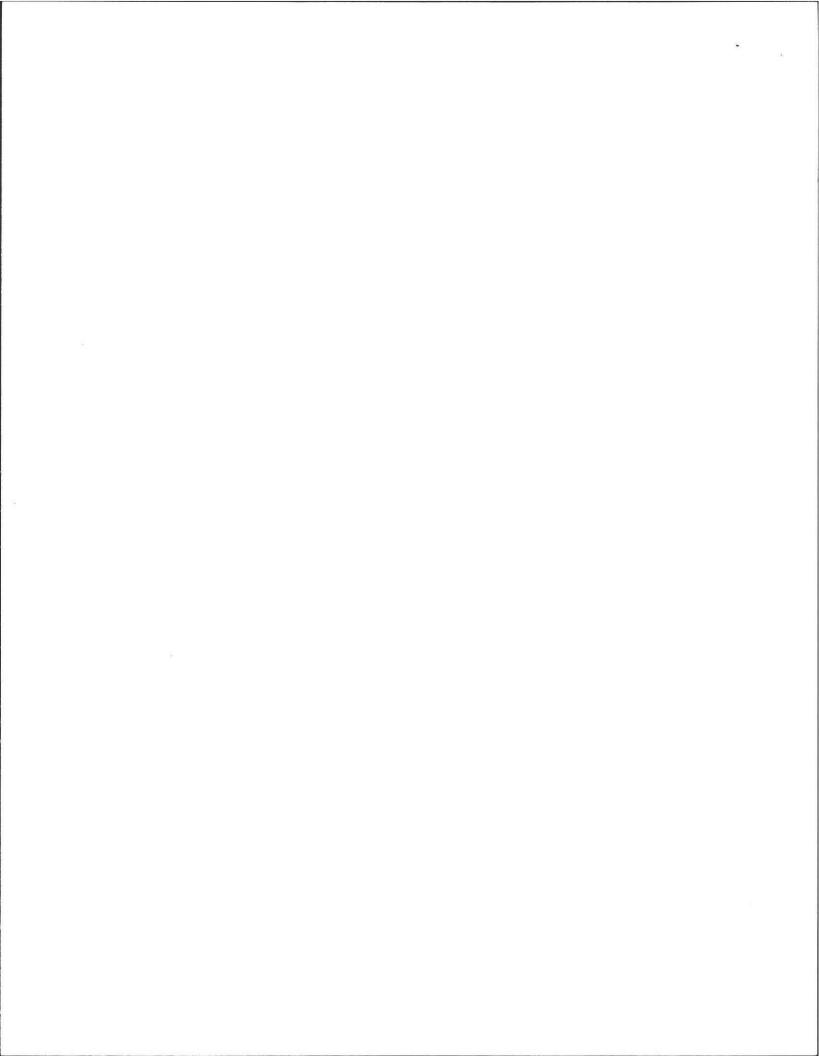


~ BW zś QT 00 ¢ :: 1200 m ... 1. s. 5 High P Din . . 69/69 03/16/2010 4135265405 PAGE TT930 HTJA3H T293HMA 12:41



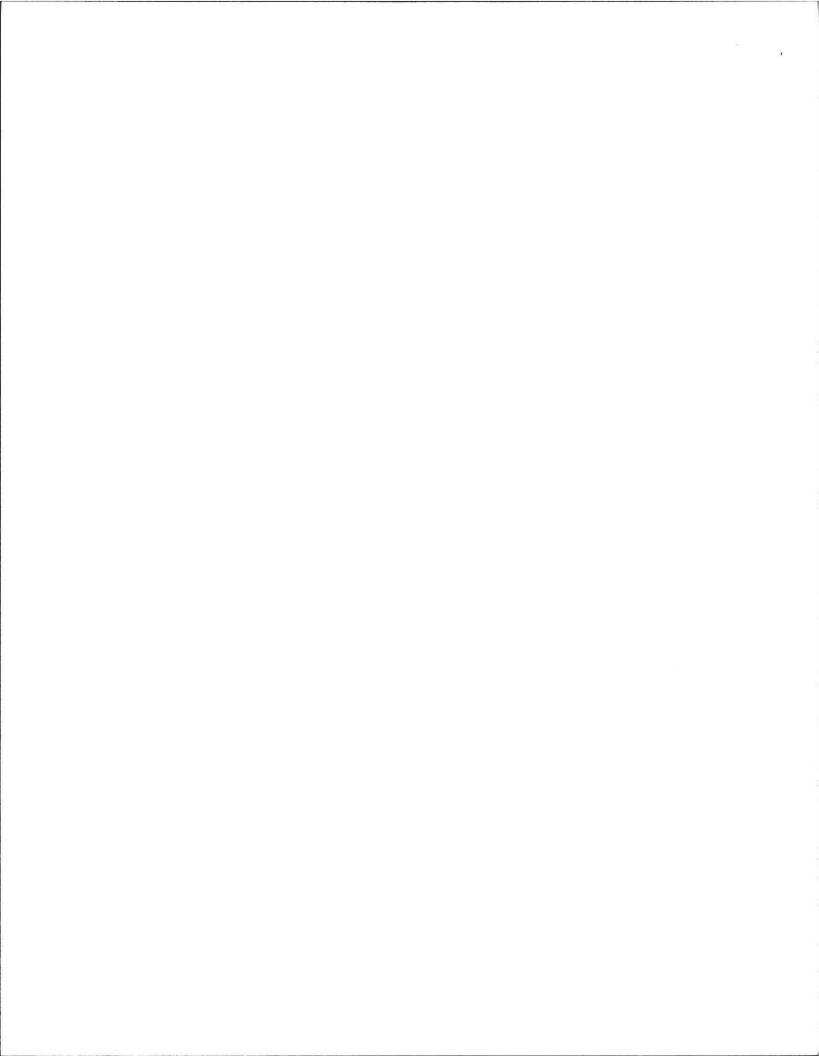


Dist Box Corroded, (saturation over inverts) 21 Highpoint Drive Amherst, MA 03.24.2010





S. Tank Cover, (Inside staining, past) 21 Highpoint Drive Amherst, MA 03.24.2010





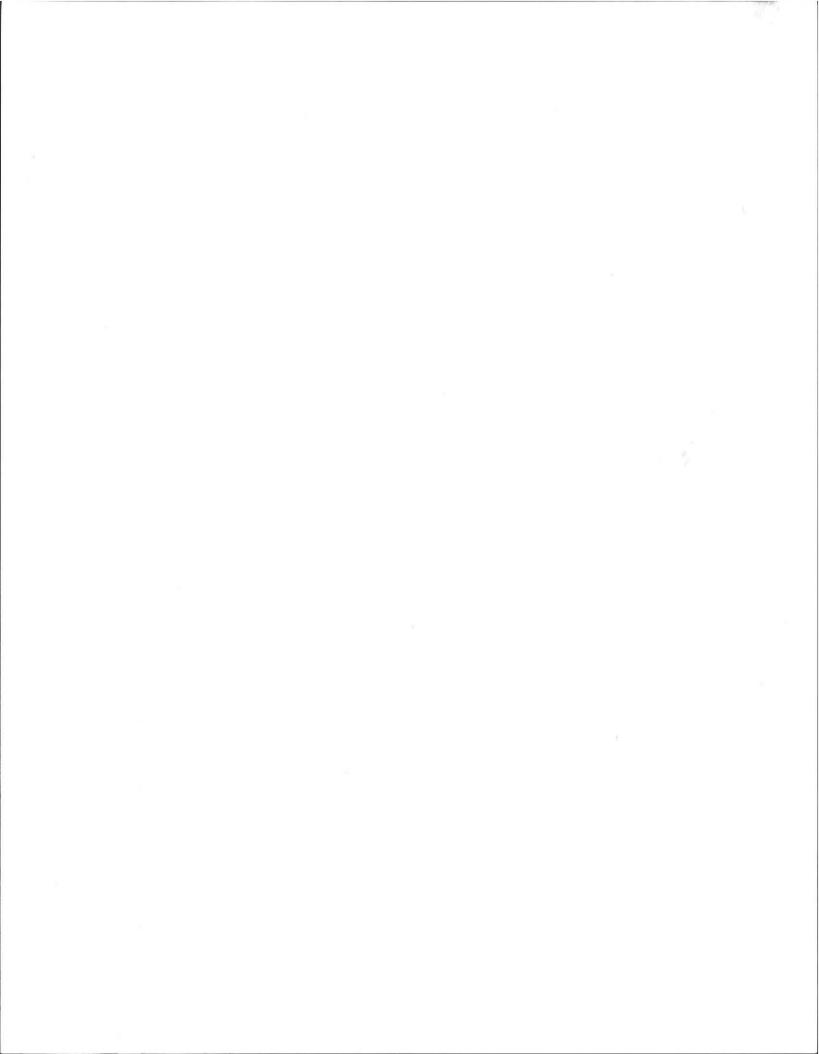
S. Tank outlet Baffke Cover, 21 Highpoint Drive Amherst, MA 03.24.2010



TOTAL PAID:

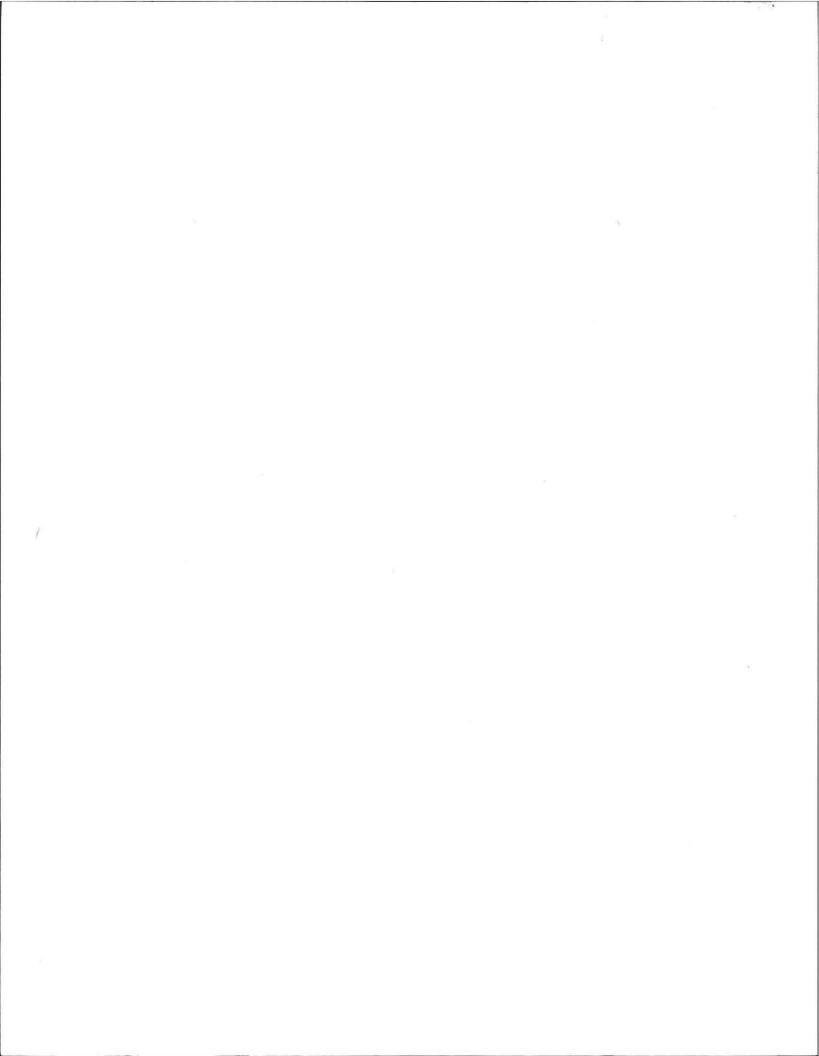
1

300.00



TOTAL PAID:

300.00



TYPE O				Massachus	0	ffice of	f Wate	r Res	ervation sources		creation	1		1606
1. WELL			CDC	(Required) No	orth	Man Prairie Parket		4		_	West Z	2.2	9 8	2.3
										-		Pater	Gerin	7
	Address at Well Location: <u>21 High point Dr</u> Property Owner/Client: <u>Alan Peterfreund</u> Subdivision Name: <u>High Point</u> Mailing Address: <u>30 Bottwood Walk</u>							0						
												vood u	Valk	4
City/Tow	/n: _A	mhe	157	ma	0/00	1	City/To	wn:	AM	her	57		A CONTRACT	
Assesso	ors Map _		#	ssessors Lot #:	1.5		NOTE:	Asse	ssors Ma	p and Lo	ot # mano	datory if no str	reet address	available
Board of	f Health	permit o	btained	: Yes	No	t Requi	red 🗆]	Perm	it Numbe	er	Date	Issued	1. A. C.
2. WORI	K PERFO	ORMED	3.	WELL TYPE		4. DRI	LLING	MET	HOD	6. CAS	ING		a line Erner Division	
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		-				Y/	NY	/ Ň	F/S	8. ANNU	ULAR SEA	L/FILTER PAC	K/ABANDONN	AENT MTL.
						Y /	NY	/ N	F/S	Sector Se) To (ft)	Material D	and the second se	Purpose
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						Y/	NY	/ N	F/S					nn
						Y/	NY	/ N	F/S	1.1.1			T	nn
WELL	LOG		BED	ROCK	Water			Extra	Provide State	Loss or	# of 9	. SITE SKET	СН	
			LITH	DLOGY	Bearing	Drop in Drill	Large	Fast of Slow	Rust	Addition F	Fractures			
From (ft)	To (ft)	Code		Comment	Zone	Stem	Chips	Drill Ra		of Fluid	per foot			
						Y/N	Y/N	F./	SY/N	Y/N				Sec. 1
						Y/N	Y/N	F /	SY/N	Y/N				
						Y/N	Y / N	F /	SY/N	Y/N				
					Å	Y/N	Y / N	F /	SY/N	Y/N				
					æ	Y/N	Y/N	F /	SY/N	Y / N				
					44	Y/N	Y / N	F /	SY/N	Y/N				
					Citra .	Y/N	Y / N	F /	SY/N	Y/N			1	
					and the second	Y/N	Y / N	F /	SY/N	Y/N				
					Ser	Y/N	Y / N	F /	SY/N	Y/N			- 38 mil	1.11
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12. PER	MANEN	T PUMP	(IF AV	AILABLE)	1172.3			5 C		13. ADD	DITIONAL	WELL INFO	RMATION	
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Pump In		20		(ft) Nominal F	umn Ca				(apm)		Ļ	Surface Se		BG
14. CON			cor	MMission		vell			_ (9pm)			285 Dep		k V/K
15. WEL	L DRILL		-	IENT	his well							supervision, a		
Driller:	<i>(</i> 22),	0		r	ules and	regulatio	ons, an	d this				act to the best	of my knowle	dge.
Driller: =	IG	CIIC	LINIC	3 & SONS,	vising D	mier Sig	nature		- w	15			ion #:しうら	
Firm:	L. U.	003	INNO	a sons,	INC.	D	ate Co	mplet	e:7	119/1	10	Rig Perm	nit #: 66	

NOTE: Well Completion Reports must be filed by the registered well driller within 30 days of well completion.

Well Completion Report Codes

161606

Sectio	on 2		Section 3	+		Section 4	THO LARD GLAVE.
Work Performed	Work Performed Code	Alon Series	Well Type	Well Type Code		Drilling Method	Drilling Method Code
Decommission Deepen Hydrofracture New Well Repair Replacement	DC DP HF NW RP RE		Cathodic Protection Domestic Geoconstruction Geothermal Closed Loop Geothermal Open Loop Industrial Injection Irrigation Monitoring Public Water Supply Recovery Test Wells	CTPR DMST GCON GTCL GTOL INDS INJC INJC INRG MONT PBWS RCVR TSTW	2.12	Air Hammer Air Rotary Auger Cable Tool Casing Advancement Core Direct Push Drive and Wash Dug Mud Rotary Reverse Rotary Sonic	AH AR AG CT CA CR DP DW DW DG MR RR SN

Section	15	

					the second se	Name of Street, or other Designation of Street, or other Desig		and the second se	and the second se
Overburden Lithology Name	Overburden (OB) Code	Overburden Color	Overburden Color Code	Bedrock Name	Bedrock (BR Code)	Casing Type	Casing Type Code	Thickness	Thickness (NO CODE)
Artificial Fill Boulders Clay Coarse Sand Cobbles Fine Sand Fine to Coarse Sand Gravel Medium Sand Organics Sand & Gravel Silt Silty Clay Silty Sand Silty Sand & Gravel Till	AF B CL CS C FS FCS G MS O SG SI SICL SIS SISG T	Black Bluish Gray Brown Dark Gray Greenish Gray Light Gray Reddish Brown Yellowish Brown	BL BG DG GG LG RB YB	Amphibolite Basalt Conglomerate/Breccia Diorite Gabbro Gneiss Granite Limestone Marble Quartzite Rhyolite Sandstone Schist Shale Slate/Phyllite Pegmatite	AM BS CG/BR DI GB GN GR LS MA QZ RH SS SC SH SL/PH PM	Certa-Lok Fiberglass Galvanized Pipe HDPE NSF Coated Steel PVC Stainless Steel Steel	CTL FBG GLP HDP NCS PVC SST STL	Schedule 5 Schedule 10 Schedule 40 Schedule 80 Schedule 160 SDR 13.5 SDR 17 SDR 21 SDR 26 SDR 32.5 SDR 40 17# 19#	

Section 7			Section 10				
Screen Type	Screen Code	Annular Seal/Filter Pack/Abandonment	Annular Seal/Filter Pack/Abandonment Material Code	Purpose	Purpose Code	Method	Method Code
Carbon Steel Continuous Wire PVC Galvanized Wire Wrapped Perforated Pipe Pre-pack PVC Pre-pack Stainless Slotted PVC Stainless Steel Vee Wire Stainless Steel Well Point	CST CWP GWW PFP PPP SLP SSV SSP	Bentonite Chips/Pellets Bentonite Grout Cement/Bentonite Grout Concrete Sand Native Material	BC BG CB CT SD NM	Fill Filter Seal	FL FT AS	Air Blow with Drill Stem Air Lift Bailing Constant Rate Pump Variable Rate Pump Slug	AB AL BL CR VR SG

500	N7103	עיר מ
-00	1.11.11	n 12

Pump Description	Pump Description Code	Horsep	ower	
3 Wire Variable Speed Submersible 2 Wire Variable Speed Submersible 2 Wire Constant Speed Submersible 3 Wire Constant Speed Submersible Turbine Variable Speed Submersible Turbine Jet Line Shaft Turbine Contrifical	3WVS 2WVS 2WSS 3WSS CSST VSST JET LST CFNT	1/2 3/4 1 1 1/2 2 3 5 7 1/2 10	20 25 30 40 50 60 75 100 125	

Section 13

Section 6

Surface Seal Type	Well Seal Type Code
Cement	CM
Cement/Bentonite	CB
Concrete	CT
None	NO

MANIA

Y900 HIJAHH 10 UNADO

Massachusetts Department of Conservation and Recreation

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alla	v	0	J	0	1

Office	of	Wator	Danouroon
Once	OI	water	Resources

TYPE OR PRINT ONLY Well Completion Report														
1. WELL LOCATION GPS (Required) North° West°														
Address at Well Location: 21 Nigh Point DR Property Owner/Client: Alan Pater Freund														
Subdivision Name: Mailing Address: 30 Boltwood (market)														
in a research and in the				st, mA								4	ALC: NOT THE OWNER OF THE OWNER OWNER OF THE OWNER OWNE OWNER OWNE	
											× .		IL AND	available
	Assessors Map Assessors Lot #: NOTE: Assessors Map and Lot # mandatory if no street address available Board of Health permit obtained: Yes I Not Required Permit Number Date Issued													
-	State of the local division of the local div			VELL TYPE		4. DRIL	_			6. CAS			Constant of the	and the second
		1				Overbu			edrock	and the second s	t) To (ft)	Туре	Thickness	Diameter
N		val l	E	ms	T	4	<i>H</i> .	4	R.	+2	61	BBD	19==	1.1
5. WELL	LOG		OVERB	URDEN			T		Extra	-	-			
			LITHO		Water Bearing	Loss of Addition		p in rill	Fast or	-	·		and the second second	-
From (ft)	To (ft)	Code	Color	Comment	Zone	of Fluid	i St	em	Slow Drill Rate	7. SCF			01 + 01	
D	7	SG	BR		1.1	Y. /N) Y	10	F/S	From (f	t) To (ft)	Туре	Slot Size	Diameter
				1	1.4	Y/N	Y	/ N	F/S	Allerto			•	
						Y / N	Y	/ N	F / S		a preserve		•	
				A		Y/N	Y	/ N	F / S	8. ANN	ULAR SEA	L/FILTER PAC	K/ABANDON	IENT MTL.
1		-				Y / N	Y	/ N	F/S	Contraction of the second	t) To (ft)			Purpose
						Y/N	Y	/ N	F/S	5	60	B	C	45
4						Y / N	Y	/ N	F/S					
						Y/N	Y	/ N	F/S	ų				
					1	Y/N	Y	/ N	F/S					
WELL	LOG			ROCK	Water	Drop in			VISIDIE	Loss or	# 01	. SITE SKET	H	
From (ft)	To (ft)	Carda		LOGY	Bearing Zone	Drill I Stem	Large	01	HIIGT	Addition of Fluid	Fractures per foot			
		Code		Comment Hered					S Y IN					
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200	300	SC			. As	and the second s	~		SYIN	i here				
	400	50			di la constante da				SYIM					
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500	600	SC		4	Contraction of the second	YIN	10	F /	SY IN	Y 10	down in a			
600	700,	SC				YON	O	F /	S Y 🔿	YN	0			
			- Co.	A 19	ALC: NO				SY/N	Y/N				1999 - 19
					- Contraction of the second se	Y/N	-	-	SY/N				1.1	of the second
10. WEI	L TEST	DATA		CTIONS MAND	Service Street Are		The off the state	- a consent			11. ST/	ATIC WATER		
Date	Met	hod	Yield (GPM)	Time Pumped (hrs & min)		g Level 3GS)		& min		Recovery Ft. BGS)	Date	Measured	Depth I Ground Su	
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1410	H 1	/	114 -		- 70		1-0			00	0/7	110	00	
12. PER	MANEN	T PUM	IF AV	AILABLE)						13. AD	DITIONAL	WELL INFO	RMATION	
Pump D		Contraction of the local distance of the	C.	enó		Horsep	owor			Develo	oed (9)/ 1	V Fracture E	nhancement	10/N
Pump In		68		(ft) Nominal P	ump Ca		JWCI .	2	_ (gpm)	1. 2. 2. 10	17	Surface Sea		NU
14. COM	MENTS	P	MAP	hu	othe	15				Total W	/ell Depth	700 Dep	th to Bedroc	k. 7
15. WEI	L DRIL	Concernance of the local division of the loc	TATEM	ENT	his well	was drille				andoned	under my	supervision, a	ccording to ap	plicable
		a linh	/	ri	ules and	regulation	ns, an	d this	report is	complet	e and corre	ect to the best	of my knowle	dge.
Driller: _	mo	hee	Mair	& SONS,	vising D	riller Sigr	nature	:4	Jave	t Cu	-07	Registrat	ion #:55	0
Firm:	L. G.	CUS	HING	a Jund,	NO.	Da	te Co	mplet	e: 6	113	10	Big Perm	it #: 6 6	
						Da				1 1		ing i oni		

NOTE: Well Completion Reports must be filed by the registered well driller within 30 days of well completion. BOARD OF HEALTH COPY

Well Completion Report Codes

159931

Section 2					
Work Performed	Work Performed Code				
Decommission Deepen Hydrofracture New Well Repair Replacement	DC DP HF NW RP RE				

Section 3	_
Well Type	Well Type Code
Cathodic Protection Domestic Geoconstruction Geothermal Closed Loop Geothermal Open Loop Industrial Injection Irrigation Monitoring Public Water Supply Recovery Test Wells	CTPR DMST GCON GTCL INDS INJC IRRG MONT PBWS RCVR TSTW

Section 4	- Matt
Drilling Method	Drilling Method Code
Air Hammer Air Rotary Auger Cable Tool Casing Advancement Core Direct Push Drive and Wash Dug Mud Rotary Reverse Rotary Sonic	AH AG CT CA CR DP DW DG MR RR SN

Section 6

Section 5

Overburden Lithology Name	Overburden (OB) Code	Overburden Color	Overburden Color Code	Bedrock Name	Bedrock (BR Code)	Casing Type	Casing Type Code	Thickness	Thickness (NO CODE)
Artificial Fill Boulders Clay Coarse Sand Cobbles Fine Sand Fine to Coarse Sa Gravel Medium Sand Organics Sand & Gravel Silt Sitty Clay Sitty Sand Sitty Sand & Grave Till	G MS O SG SI SICL SIS	Black Bluish Gray Brown Dark Gray Greenish Gray Light Gray Reddish Brown Yellowish Brown	BL BG DG GG LG RB YB	Amphibolite Basalt Conglomerate / Breccia Diorite Gabbro Gneiss Granite Limestone Marble Quartzite Rhyolite Sandstone Schist Shale Slate / Phyllite Pegmatite	AM BS CG/BR DI GB GN GR LS MA QZ RH SS SC SH SL/PH PM	Certa-Lok Fiberglass Galvanized Pipe HDPE NSF Coated Steel PVC Stainless Steel Steel	CTL FBG GLP HDP NCS PVC SST STL	Schedule 5 Schedule 10 Schedule 40 Schedule 80 SDR 13.5 SDR 17 SDR 21 SDR 26 SDR 32.5 SDR 40 17# 19#	

Section 7			Section 8		Section 10		
Screen Type	Screen Code	Annular Seal/Filter Pack/Abandonment	Annular Seal/Filter Pack/Abandonment Material Code	Purpose	Purpose Code	Method	Method Code
Carbon Steel Continuous Wire PVC Galvanized Wire Wrapped Perforated Pipe Pre-pack PVC Pre-pack Stainless Slotted PVC Stainless Steel Vee Wire Stainless Steel Well Point	CST CWP GWW PFP PPS SLP SSV SSP	Bentonite Chips/Pellets Bentonite Grout Cement/Bentonite Grout Concrete Sand Native Material	BC BG CB CT SD NM	Fill Filter Seal	FL FT AS	Air Blow with Drill Stem Air Lift Bailing Constant Rate Pump Variable Rate Pump Slug	AB AL BL CR VR SG

Section 12					
Pump Description	Pump Description Code	Horsep	ower		
3 Wire Variable Speed Submersible 2 Wire Variable Speed Submersible 2 Wire Constant Speed Submersible 3 Wire Constant Speed Submersible Constant Speed Submersible Turbine Variable Speed Submersible Turbine Jet Line Shaft Turbine Centrifical	3WVS 2WVS 2WSS 3WSS CSST VSST JET LST CENT	1/2 3/4 1 1 1/2 2 3 5 7 1/2 10 15	20 25 30 40 50 60 75 100 125 150 200		

Section 13

Surface Seal Type	Well Seal Type Code
Cement	CM
Cement / Bentonite	CB
Concrete	CT
None	NO



COLD SPRING ENVIRONME CONSULTANTS INC. JULIE FEDERMAN HEALTH

21F Site Investigations

- Subsurface Investigations
- Pollution Remediation
- LSP on Staff
- Forensic Sentic Investigations April 15, 2010

Regulator, ______ ance
Recycling and Solid Waste

Second Opinions

Amherst Conservation Commission Town Hall Amherst, Massachusetts 01002

> RE (Petefreund Lot Septic System Repair & new well) 21 Highpoint Drive, Amherst, MA Determination of Applicability, CSEC Proj,. No. 110-3323-0324

Enclosed please find the **Septic Repair & well Plan** for the subsurface Disposal System for the above mentioned property. The existing system will be disconnected. **The no work line of 70 feet** is to be delineated using properly buried (6"), staked silt fence with bale backing. All above noted locations are referenced on the Figure 1: Site Locus Map and Figure 2: Site Construction Plan, attached.

The Board of Health been contacted for proper septic/well permits. Wetland delineation was based on our own observation of typical hydrophytic species, topography and hydrology observed in the field on April **2010**. The plan intention is to utilize the best part of the property with the least disturbance of the resource area.

Mitigative measures include a silt fence that establishes a no work zone (70') as well as follow-up mulching and seeding of wetland buffer & backyard margins. The leachfield exceeds the Title V (310 CMR 15.00) setback of 50 feet (100+ feet noted). The work area in the buffer zone would be limited to less than **500 square feet**. Only fill and regrading and resultant covering, seeding and mulching will occur in the buffer zone as noted.

Please note that because of the "limited impact" near this area, our experience with most similar situations is that this type of repair work can be properly completed as shown with the noted mitigative measures followed as contingencies. The attached plan and form has been filed with the WRO-DEP. Please notify us at your earliest convenience of your next hearing date and time with sufficient time for abutter notices and a legal add as needed.

Should you have any questions, please contact me.

Sincerely, Cold Spring Environmental Consultants, Inc.

Alan E. Weiss, M.S. Principal Hydrogeologist Registered Sanitarian Lic. #933



, .



WPA Form 1- Request for Determination of Applicability

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

A. General Information

1. Applicant:

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

Name	E-Mail Address (if applicable)	
30 Boltwood walk		1. The second
Mailing Address		
Amherst	MA	01002
City/Town	State	Zip Code
413-256-6169		
Phone Number	Fax Number (if applica	able)
Representative (if any):		
Cold Spring Environmental, Inc.		
Firm Alan E. Weiss, M.S.	aeweiss@charter.	net
Contact Name	E-Mail Address (if app	
350 Old Enfield Road		
Mailing Address		
Belchertown	MA	01007
City/Town	State	Zip Code
413-323-5957	413-323-4916	

Fax Number (if applicable)

B. Determinations

Phone Number

1. I request the Amherst make the following determination(s). Check any that apply: Conservation Commission

a. whether the area depicted on plan(s) and/or map(s) referenced below is an area subject to jurisdiction of the Wetlands Protection Act.

- b. whether the **boundaries** of resource area(s) depicted on plan(s) and/or map(s) referenced below are accurately delineated.
- C. whether the work depicted on plan(s) referenced below is subject to the Wetlands Protection Act.
- d. whether the area and/or work depicted on plan(s) referenced below is subject to the jurisdiction of any **municipal wetlands ordinance** or **bylaw** of:

Amherst	
Name of Municipality	

e. whether the following scope of alternatives is adequate for work in the Riverfront Area as depicted on referenced plan(s).

N/A





WPA Form 1- Request for Determination of Applicability

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

C. Project Description

1. a. Project Location (use maps and plans to identify the location of the area subject to this request):

21 Highpoint Drive	Amherst	
Street Address	City/Town	
Map 6b,	78	
Assessors Map/Plat Number	Parcel/Lot Number	

b. Area Description (use additional paper, if necessary):

The area consists of work conducted for the replacment of a leachfield and a new well at an existing dwelling. All work on the leach area is beyond 100 foot of the wetland & (Meets required Title 5 setbacks >100 ft.). (Silt fence will be installed as shown (70 ft. No work line) due to access were the septic tank and pump chamber are located, all work will be performed upgradient of the silt fence. No other significant area within the Buffer zone will be disturbed. This plan follows the attached plan also submitted to the Board of Health. The total area of Buffer to be disturbed <500 SF.

c. Plan and/or Map Reference(s):

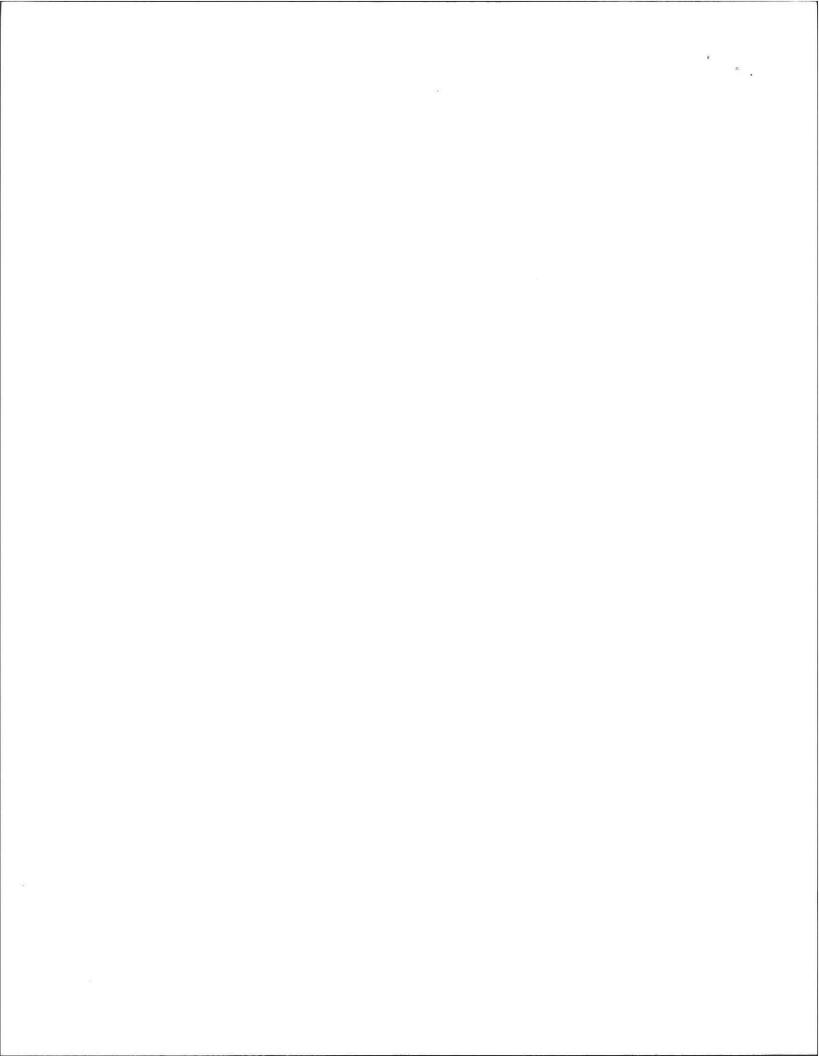
Septic Repair Plan, (Attachment I)	4/10/10
Title	Date

2. a. Work Description (use additional paper and/or provide plan(s) of work, if necessary):

Work will include the proper placement of siltation fencing prior to the start of work. Only minimal regrading is required between the leachfield on the edge of the Buffer area. Work areas will be completed with seeding and mulching. The limit of work/silt fence is noted as 70 foot, at its closest.

b. Identify provisions of the Wetlands Protection Act or regulations which may exempt the applicant from having to file a Notice of Intent for all or part of the described work (use additional paper, if necessary).

See above.





WPA Form 1- Request for Determination of Applicability

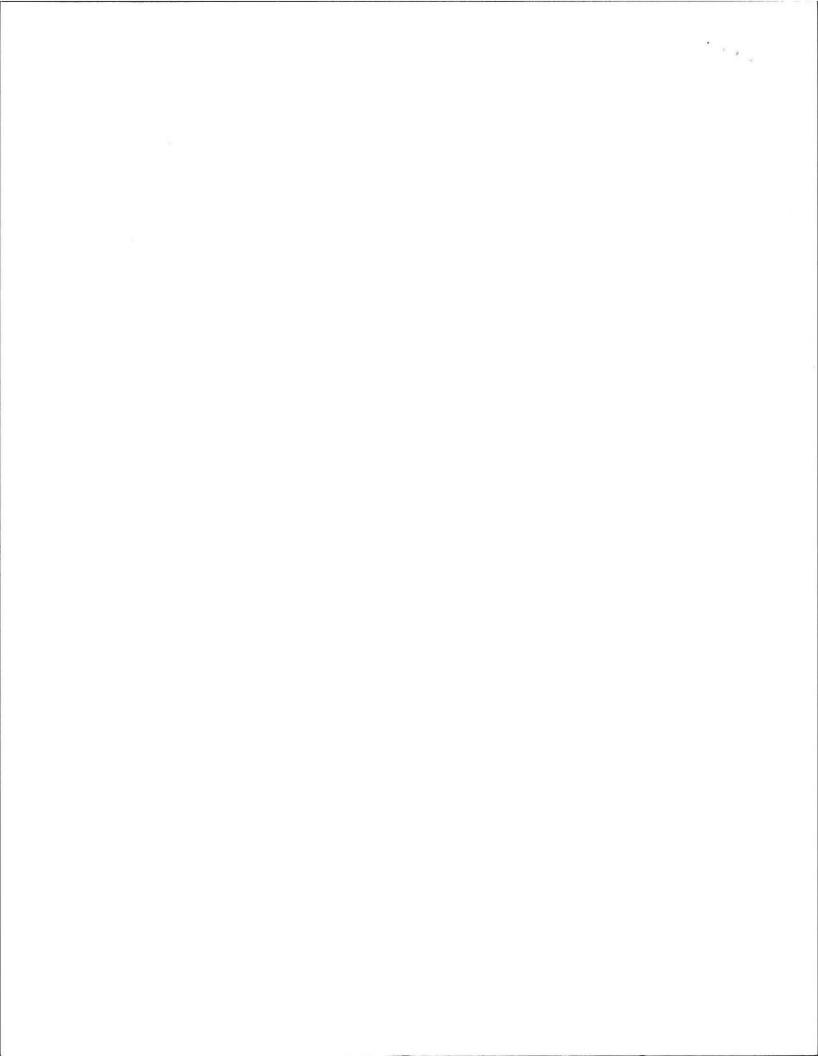
Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

C. Project Description (cont.)

- 3. a. If this application is a Request for Determination of Scope of Alternatives for work in the Riverfront Area, indicate the one classification below that best describes the project.
 - Single family house on a lot recorded on or before 8/1/96
 - Single family house on a lot recorded after 8/1/96
 - Expansion of an existing structure on a lot recorded after 8/1/96
 - Project, other than a single family house or public project, where the applicant owned the lot before 8/7/96
 - New agriculture or aquaculture project
 - Public project where funds were appropriated prior to 8/7/96
 - Project on a lot shown on an approved, definitive subdivision plan where there is a recorded deed restriction limiting total alteration of the Riverfront Area for the entire subdivision
 - Residential subdivision; institutional, industrial, or commercial project
 - Municipal project
 - District, county, state, or federal government project
 - Project required to evaluate off-site alternatives in more than one municipality in an Environmental Impact Report under MEPA or in an alternatives analysis pursuant to an application for a 404 permit from the U.S. Army Corps of Engineers or 401 Water Quality Certification from the Department of Environmental Protection.

b. Provide evidence (e.g., record of date subdivision lot was recorded) supporting the classification above (use additional paper and/or attach appropriate documents, if necessary.)

N/A





Amherst City/Town

WPA Form 1- Request for Determination of Applicability

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

D. Signatures and Submittal Requirements

I hereby certify under the penalties of perjury that the foregoing Request for Determination of Applicability and accompanying plans, documents, and supporting data are true and complete to the best of my knowledge.

I further certify that the property owner, if different from the applicant, and the appropriate DEP Regional Office (see Appendix A) were sent a complete copy of this Request (including all appropriate documentation) simultaneously with the submittal of this Request to the Conservation Commission.

Failure by the applicant to send copies in a timely manner may result in dismissal of the Request for Determination of Applicability.

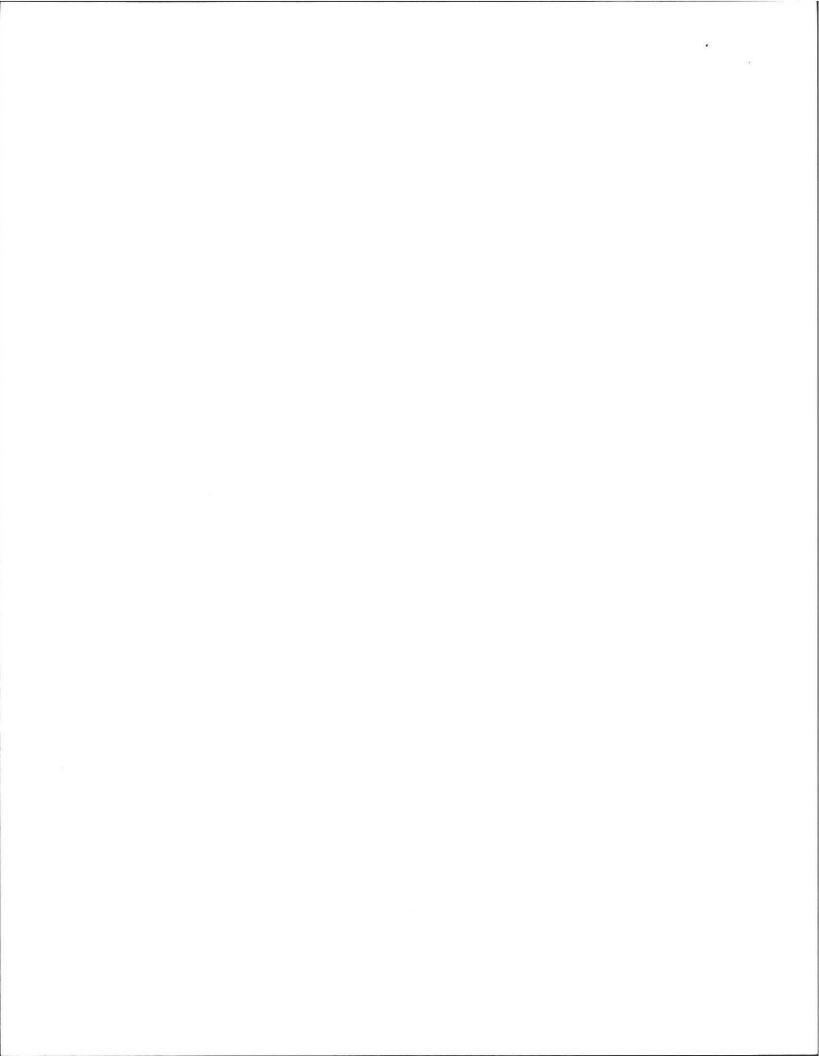
Name and address of the property owner:

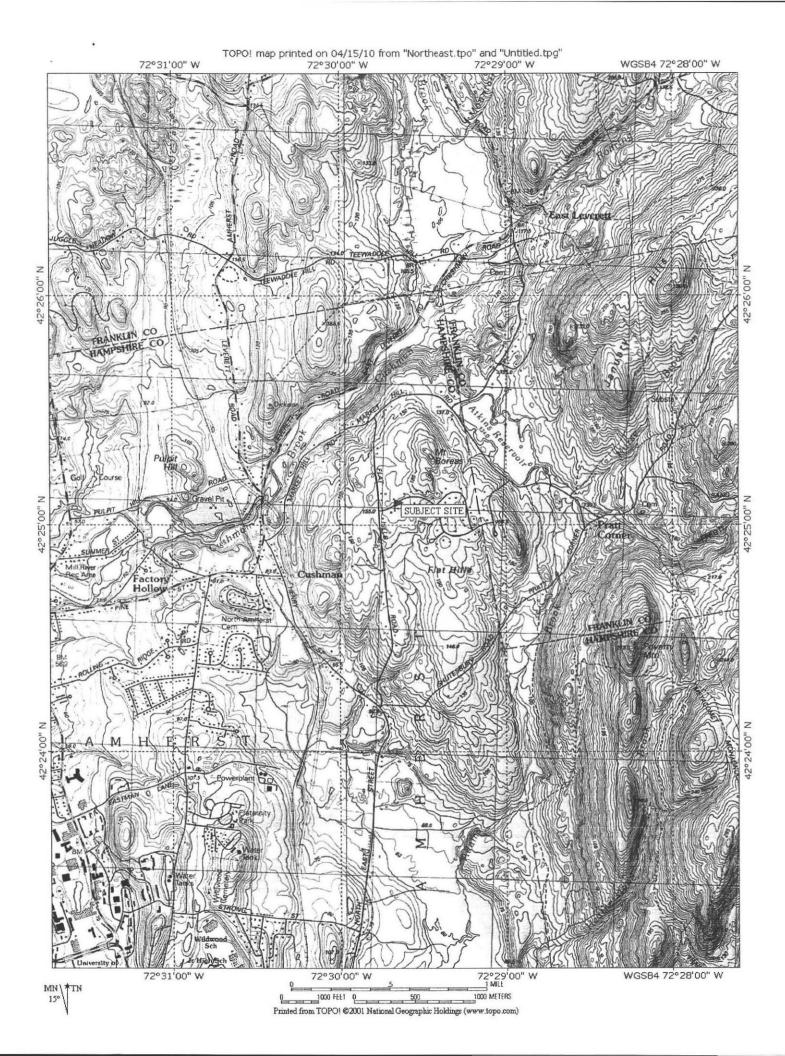
Alan Peterfreund		
Name		
30 Boltwood walk		
Mailing Address		
Amherst		
City/Town		
MA	01002	
State	Zip Code	

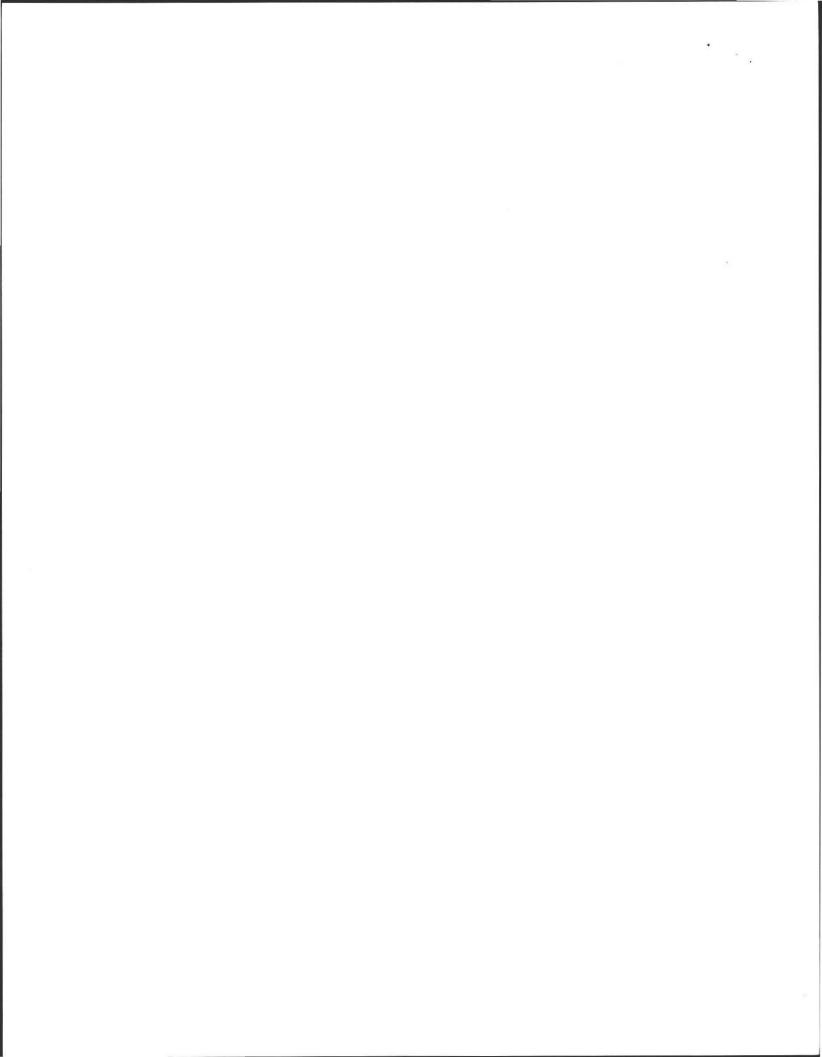
Signatures:

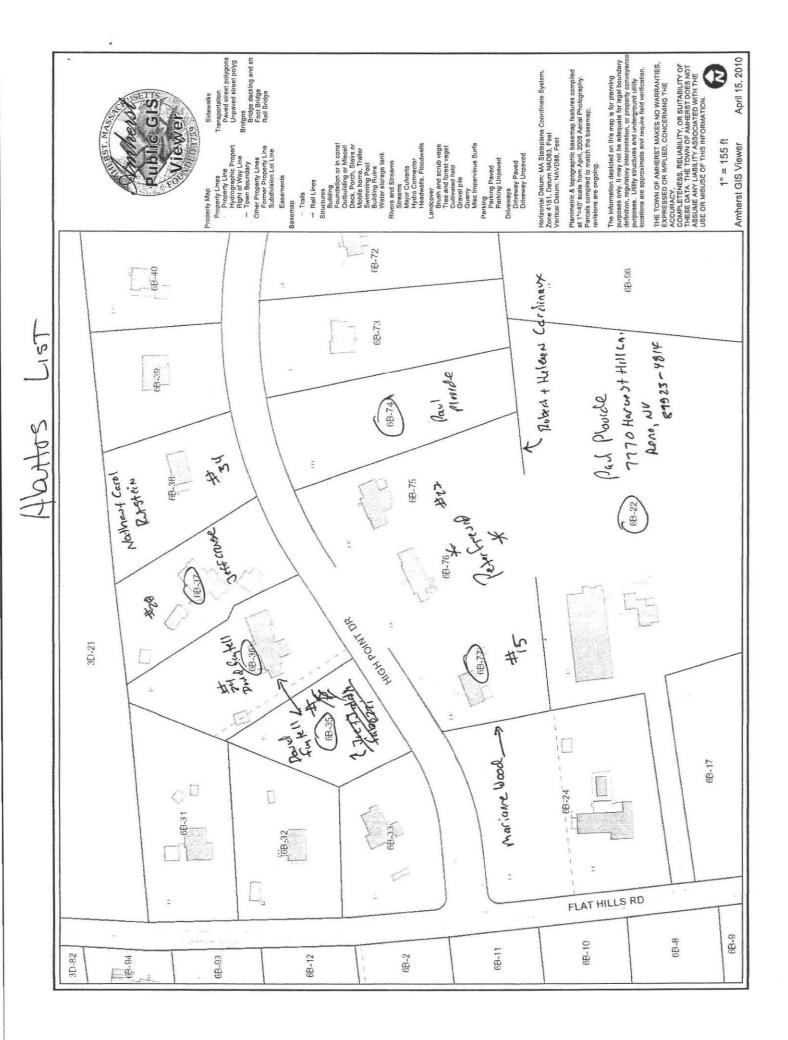
I also understand that notification of this Request will be placed in a local newspaper at my expense in accordance with Section 10.05(3)(b)(1) of the Wetlands Protection Act regulations.

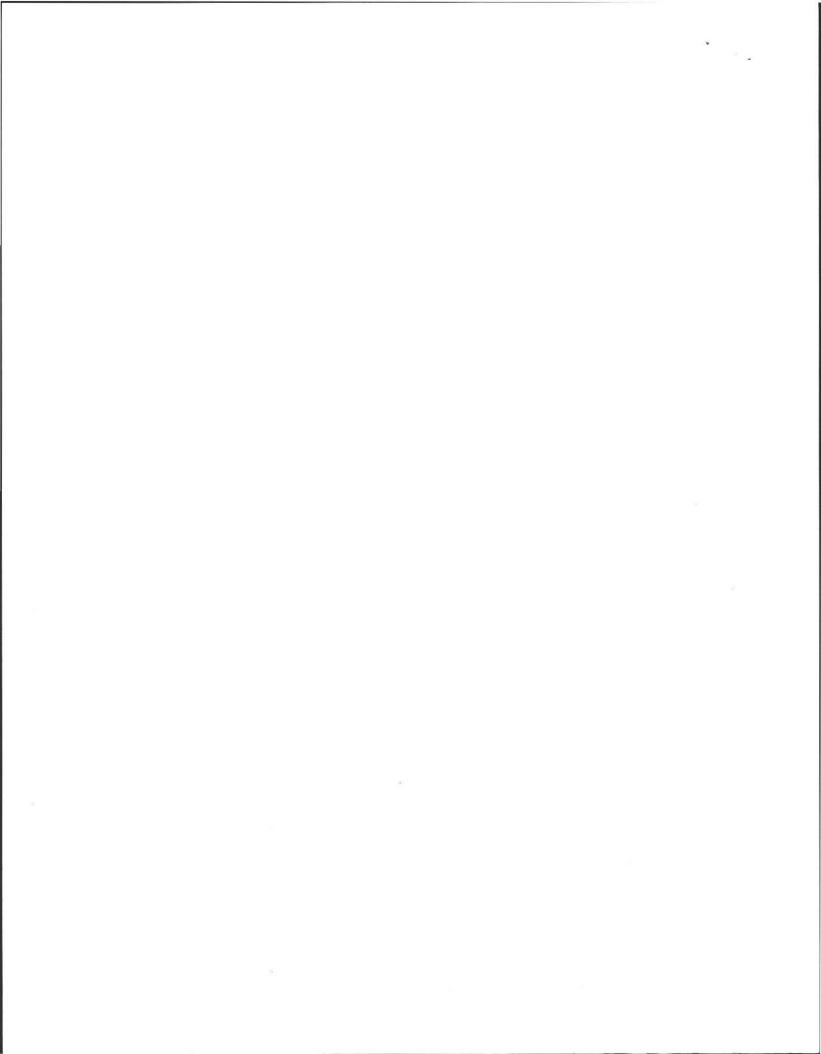
	4/ /2010	
Signature of Applicant	Date	
	4/ /2010	
Signature of Representative (if any)	Date	

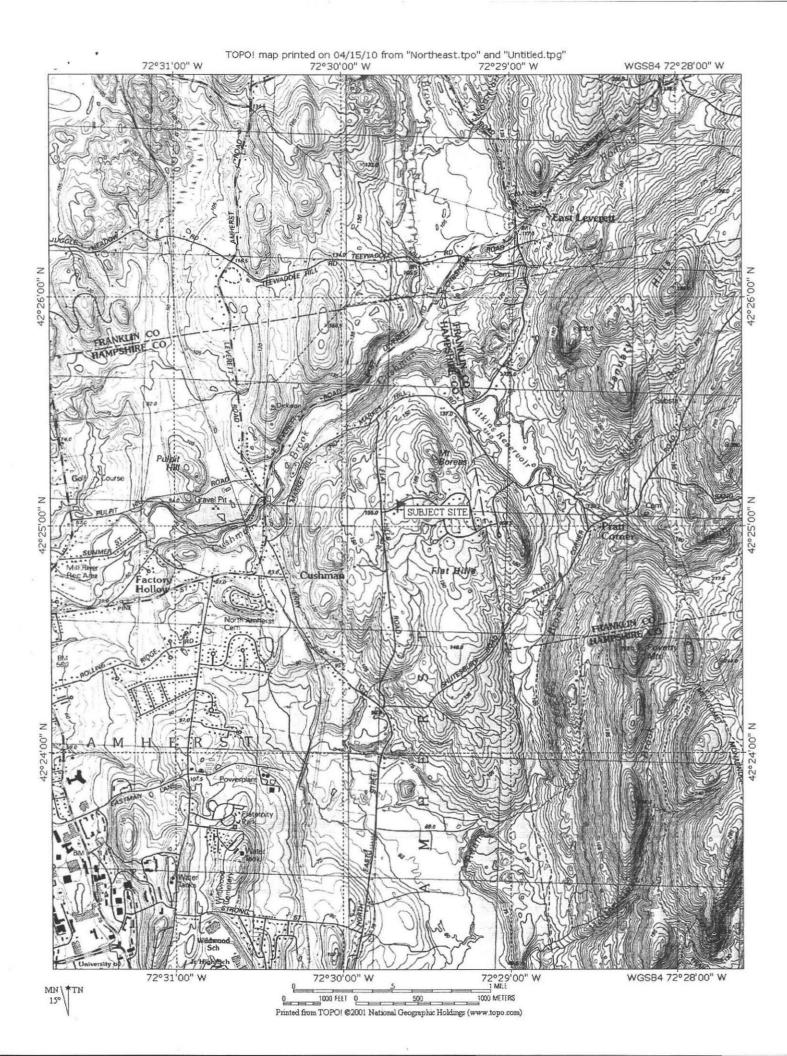


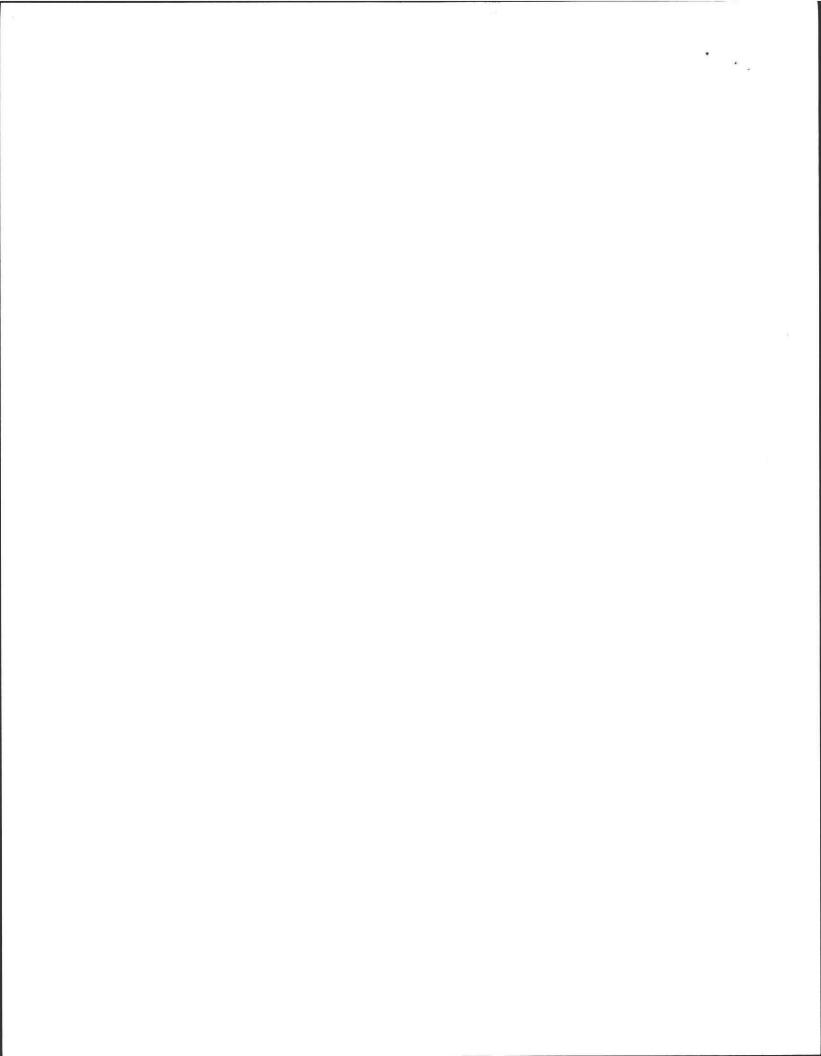














AMHERST

Massachusetts

AMHERST HEALTH DEPARTMENT, 70 BOLTWOOD WALK, AMHERST, MA 01002 (413) 259-3077 (413) 259-2404 - FAX Environmental Health Division (413) 259-3078

April 15, 2010

RE: 21 High Point Drive: Request for permit to install a Drinking Well.

Dear Amherst Board of Health:

I have reviewed the plan for installation of a drinking well at 21 High Point Drive, currently owned by Alan Peterfreund. In my opinion the proposed well plan design meets the requirements of the Amherst Board of Health Regulations for Private Wells as adopted on October 30, 2008.

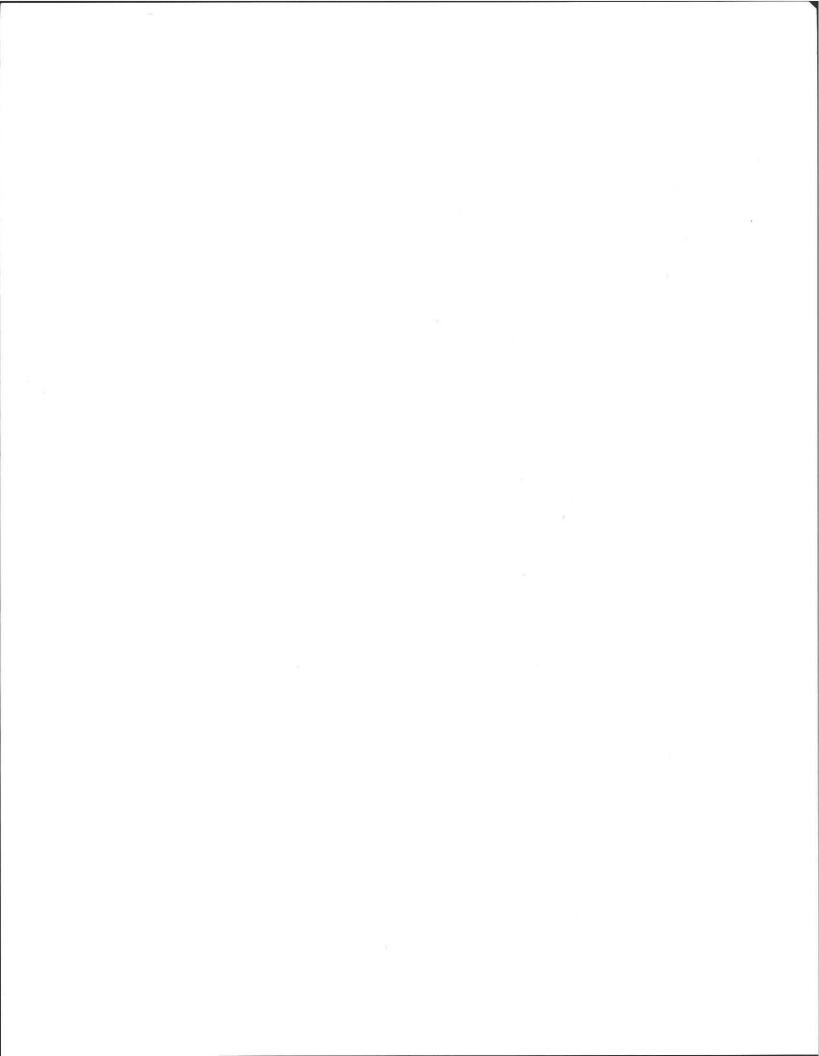
The current drinking well location does not meet the separation requirements from the new septic disposal area, moving the well to the proposed location will satisfy this requirement.

Mr. Alan Weiss of Cold Spring Environmental Consultants will attend the 04/29/2010 Board of Health meeting to discuss and review the drinking well site in relation to the new septic design, as well as answer any questions you may have.

Respectfully submitted

utemanche

Gary Courtemanche Assistant Sanitarian





COLD SPRING ENVIRONMENTAL CONSULTANTS INC.

- 21E Site Investigations
- Subsurface Investigations
- Pollution Remediation
- LSP on Staff
- Forensic Septic Investigations

April 15, 2010

Mr. Gary Courtemanche, Inspector Amherst Board of Health Bangs Center Amherst, MA 01002

RE: Request for New Private well at Existing Residence at 21 Highpoint Drive,

Dear Mr. Courtemanche,

In accordance with your Regulations for Private wells Please note the following.

- 1. A plan detailing the location of the proposed well is attached.
- 2. All potential sources of contamination (septics underground tanks are noted within 200 feet.
- 3. The current land uses include residential and agricultural past and present.
- 4. Notification of all abutters within 150 by Certified Return Receipt Mail is completed concurrently.

Feel free to contact me with any questions.

Ålan Weiss, RS Principal Hydrogeologist

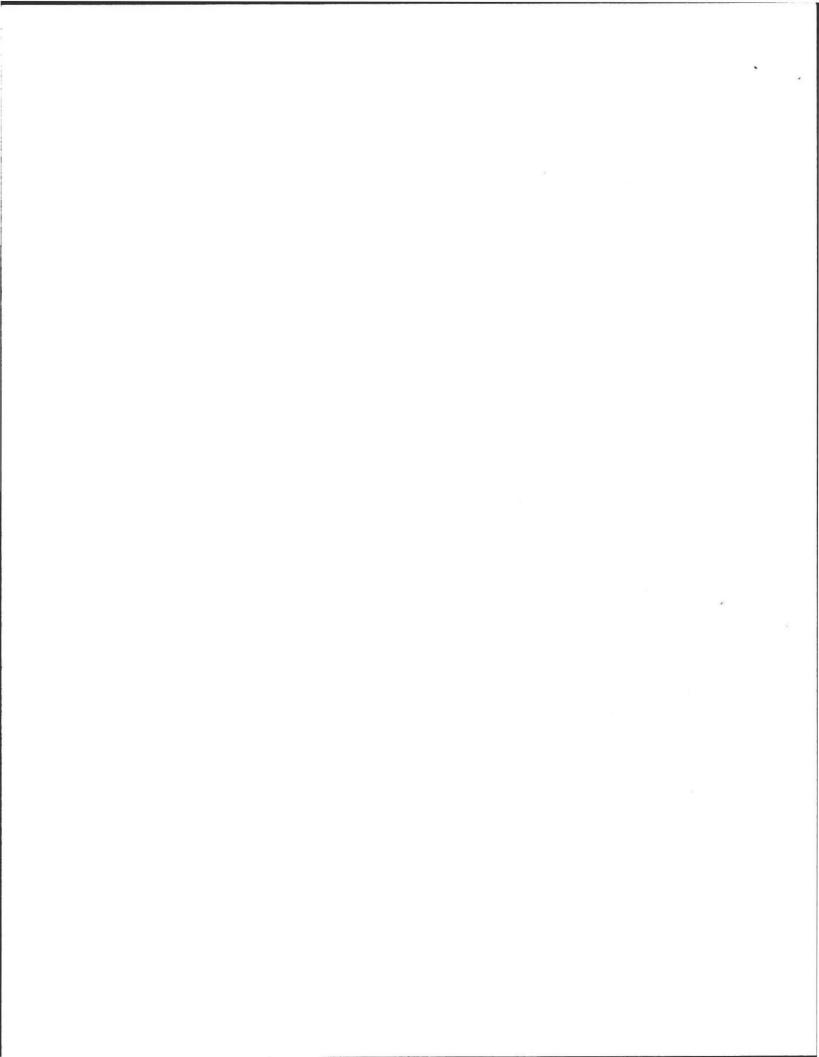
Cold Spring Environmental, Inc

Cc: Applicant, C/O Alan Peterfreund

350 Old Enfield Road = Belchertown, MA. 01007 = Phone: 413.323.5957 Fax 413.323.4916 email: <u>aeweiss@charter.net</u> www.coldspringenvironmental.com

Percolation Tests

- Septic Designs
- Regulatory Compliance
- Recycling and Solid Waste
- Second Opinions





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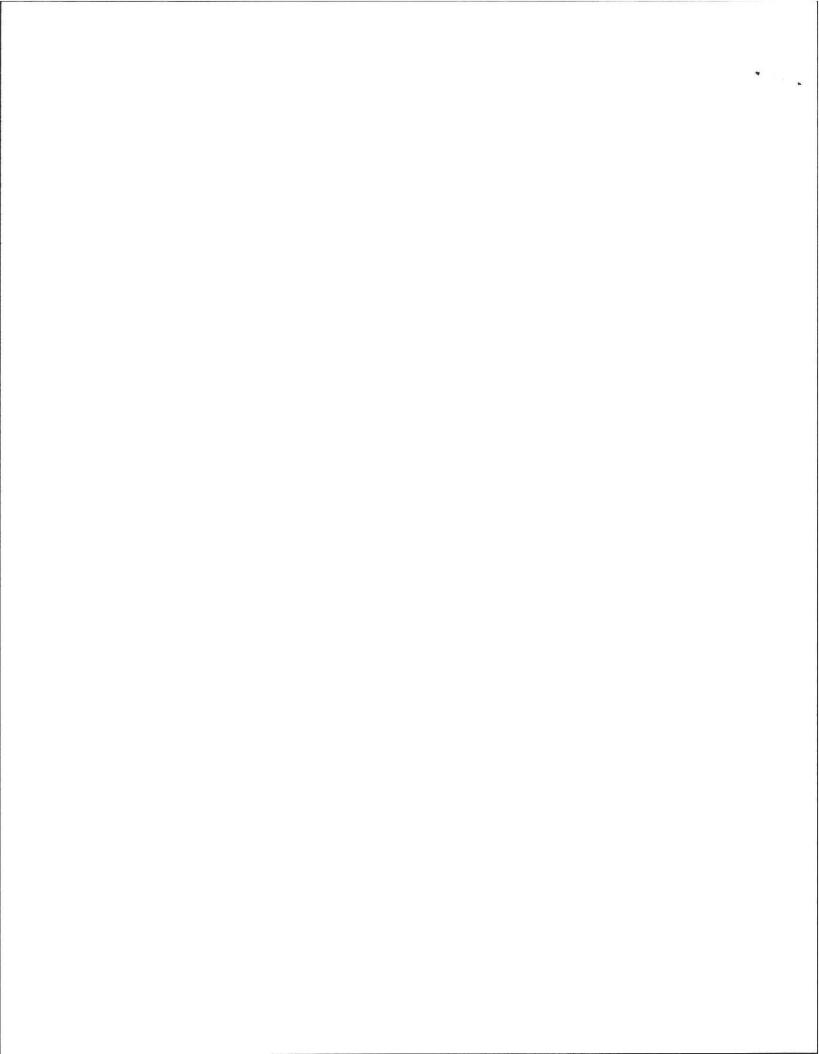
APPLICATION FOR A WELL CONTRUCTION PERMIT

I hereby petition the Foard of Health of the Town of Amberst for a Well Construction Permit (WCP) to install a private well in the Town of Amherst.

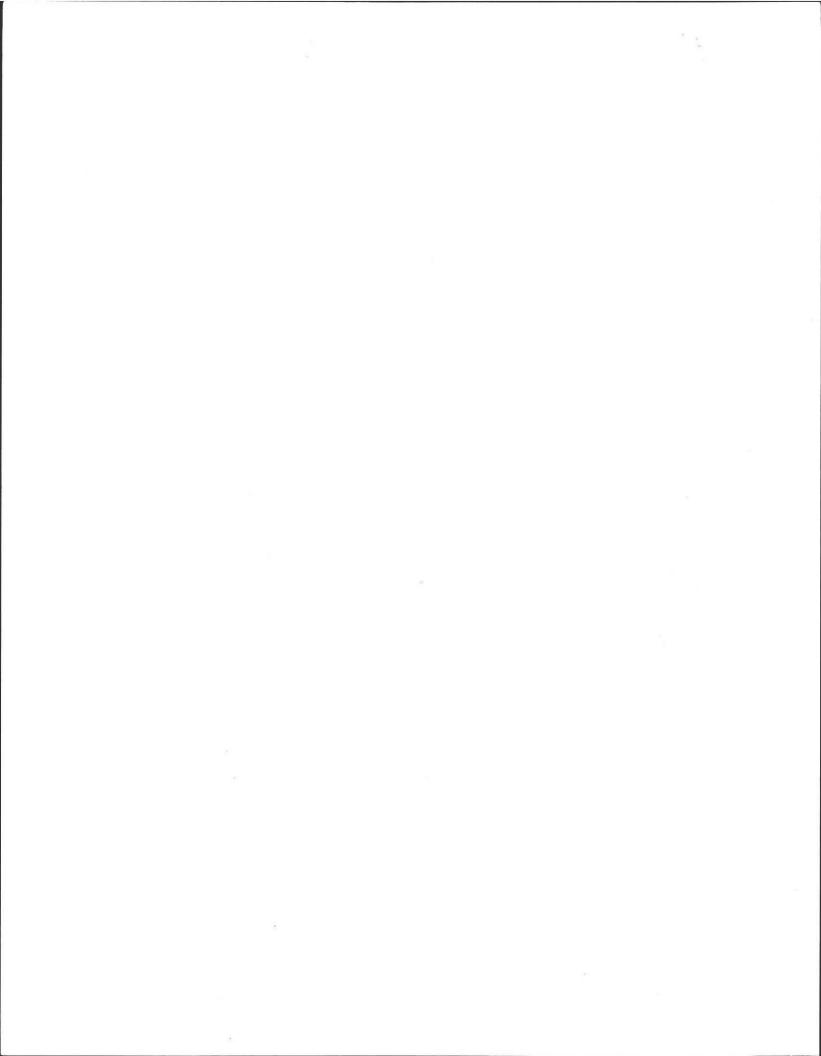
ATTACHED IS A PLAN SHOWING THE PROPOSED LOCATION OF THE WELL (<u>WITH</u>) <u>ORIGINAL DATE, STAMP AND SIGNATURE</u> OF AN ENGINEER REGISTERED SANITARIAN, OR REGISTERED LAND SURVEYOR) MEETING ALL THE REQUIREMENTS OF AMHERST RULES AND REGULATIONS FOR PRIVATE WELLS.

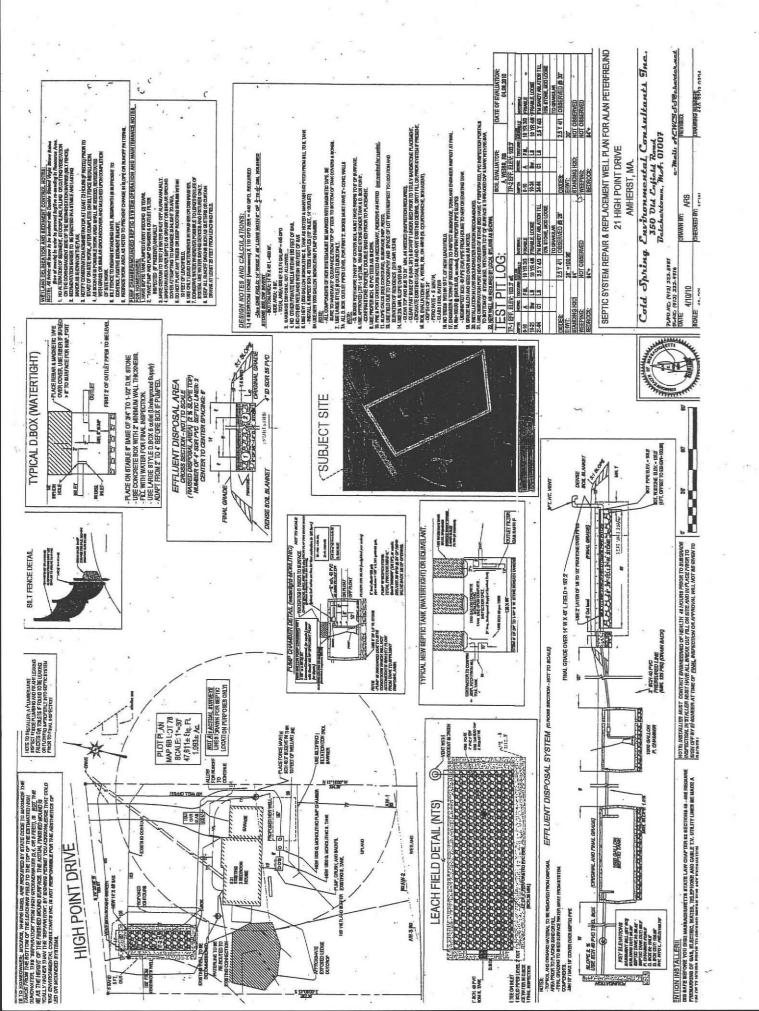
1. Address of Preperty: ZI High Po.N.	+ DR
2. Assessor of Parcel Number: 68/76	
3. Name of Owner: Alas PeterFreund Telep	hone Number: 156-6169
Address of Ovener: 30 Boltwood Wall	(
4. Name of Well Driller:	· . ·
(Must be registered with Massachusett	
5. Purpose of Well: *Drinking 🚫 Agricult	ural Only () Peplacement
The undersigned acknowledges that he must, before commencing co which is the matter of this application, secure any and all other perm laws of the Town of Amherst and the Commonwealth of Massachus regulations of the Townsof Amherst and the Commonwealth of Mass	its which may be required by the etts, and agree to abide by all sachusetts concerning private wells.
 The undersigned also understands that if a private well is to BUILDING PERMIT affecting the structure the well is to s UNTIL A Water Supply Certificate has been granted by the 	serves WILL NOT BE ISSUED
Name of Applicant: Alan & PeterSeeund	Fee: \$100.00
Signature: Aleking	Date: 4.15.10
WELL PERMIT #	

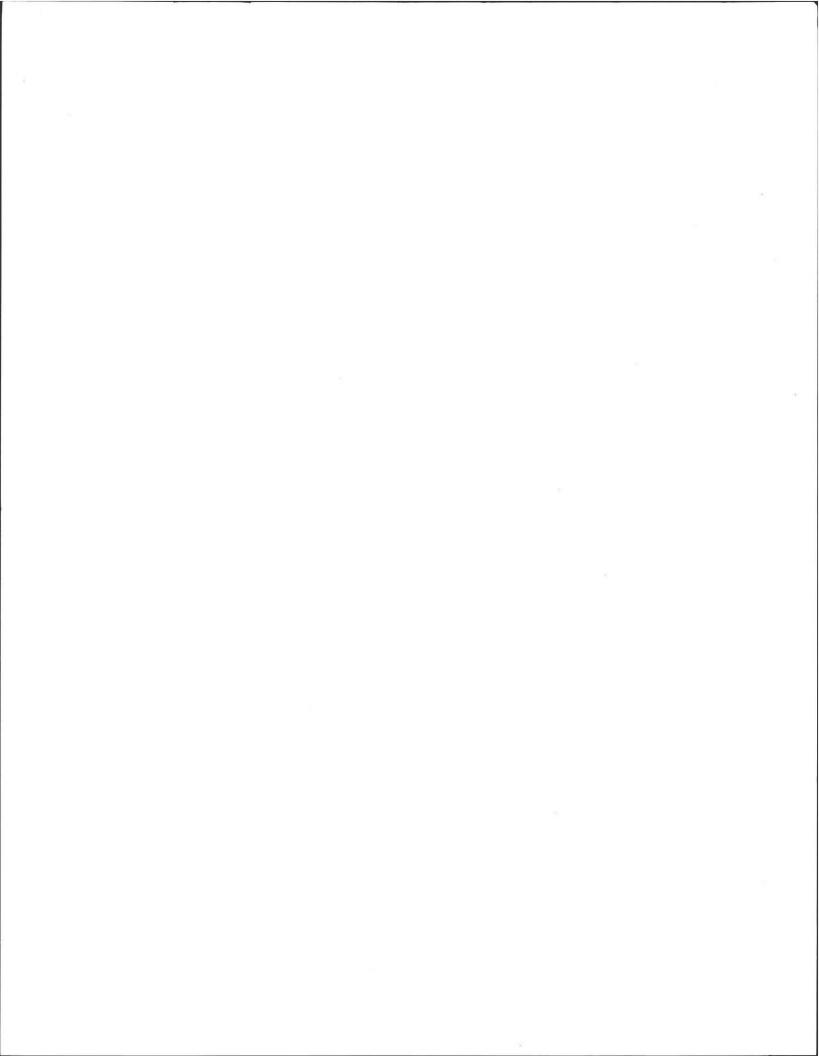
MAKE SMOKING HISTORY

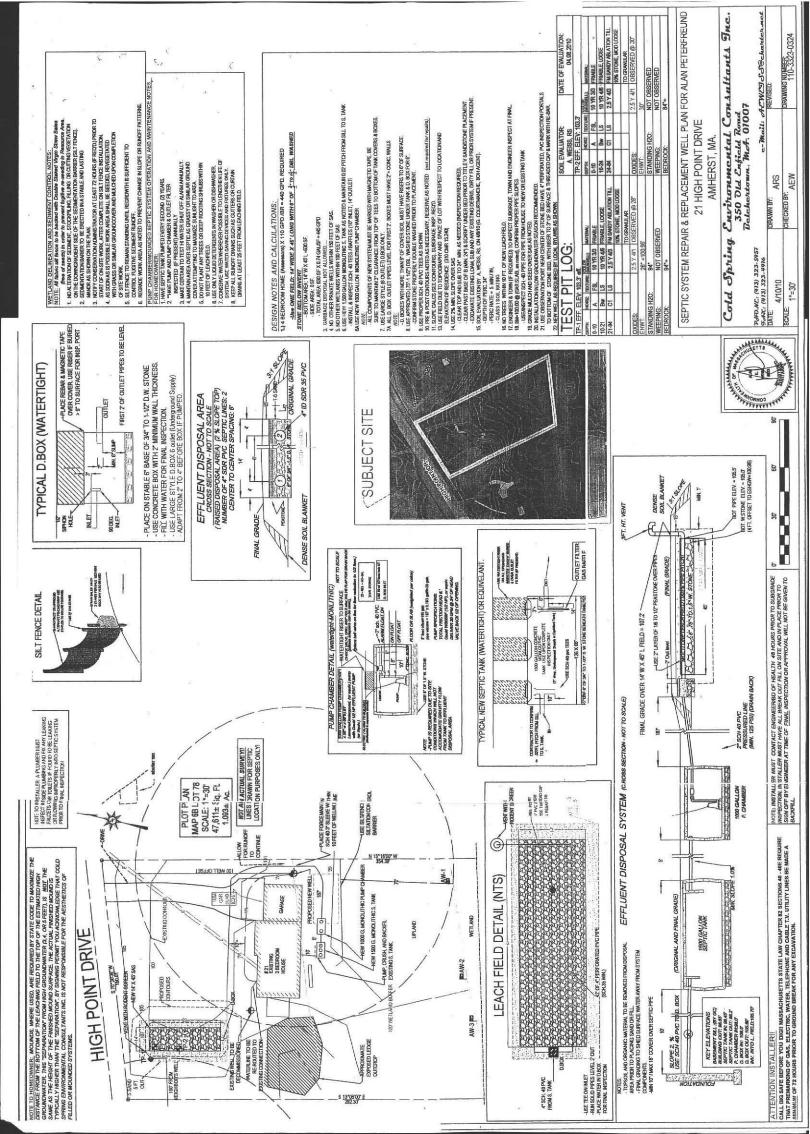


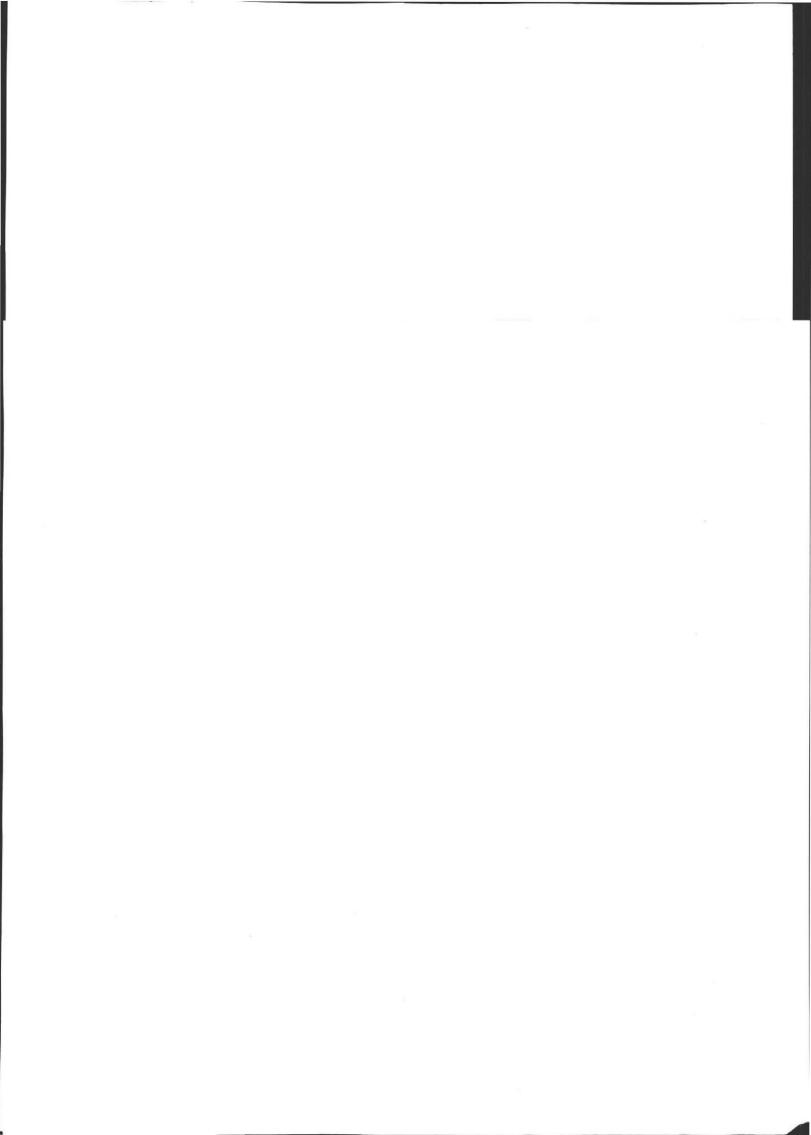
SEPTIC SYSTEM REPAIR & REPLACEMENT WELL PLAN FOR ALAN PETERFREUND Cold Spring Euripeonental Consultants Inc. 350 Dis Exfert Road Velekertone, M.A. 01007 - Marile of CWC3 S S Belienter and REVISED -PE-S FUEL CYERNON DNIMYR DATE OF EVALL 257411 0 10 YR 30 I PERFORATED, PACINGPECTICAL PORTAL THERADED CAP & MARK WITH RE-BAR NOT AL BREE 21 HIGH POINT DRIVE togetheir from large submittelmap. MOUNDED SEPTIC SYSTEM OPERATION AND MA UTATI EVALUATIO ITANDING H2O AMHERST, MA. OMMI STARDAG LATT, REGROWTH & SLFFICEAT TO 16 SEDMONT RUNCH.) DJBOX UNLT. EVEL FOR FRIST Z. BODES MAST HAVE Z + COHO. WAI LIST BE MANDED WITH MACHERD TAPE. OM TOP OF TEES TO BOTTOM OF TAME SARY, REBERVE AS NOTED (noting DE NEP. NEOD). NOE OF LOT WITH REPECT TO LOOA NER SOL MUST HAVE REERS TO 6" OF ED STONE LADER TANK & D. BOX FOR 6" WISHED FRUCK TO PLACEMENT. : Loana, sub and any existing teers, driff fill or. A. Weiss, ps. on Anvid (s. courtmannche, bohagen DESIGN NOTES AND CALCULATIONS: 1,4 8EDROOM HOME (Amenium) X 110 GPD / BR = 440 GPD, REGI DRAWN BY: ARS CHECKED BY: Arv. DEVERY SECOND (2) YEARS DBSERVED NTS OF NEW SYSTEM Ö 25 4 41 PAPAC, (413) 323-5957 Fatc. (413) 323-4916 MIE ST PIT I BANKC RECINE 80ALE 4/10/10 MOLE STYLE IS (NG H20) PLACE REBAR & MAGNETIC TAPE OVER COVER. USE RISER IF BURE > If" TO BURFACE FOR NSP. PORT FIRST Z OF OUTLET PIPES TYPICAL D.BOX (WATERTIGHT) -PLACE ON STABLE & BARE OF 34" TO 1-12" D.M. STIVIE -UBS CONCRETE BOX WITH 2" NINNUM WALL THICKNESS. - FLX WITH WATTER FOR THUM. INVERSION. - UBE LMAGE BTT 10 4" BEFORE BOX IF PUMPED. " ID SDR 36 PVC ICINIAI CRI EFFLUENT DISPOSAL AREA CROSS SECTION-NOT TO SCALE INSTED DISPOSAL AREA NAMBER OF 4" SOR FWG SEPTIC LAVER 2 CENTER TO CENTER SPACING: 6" OUNET SUBJECT SITE モルロション OT. WISTONE BLEV. -I FT. OFFSET YO EBHO DENSE SOIL BLANKET MET-E FINAL GRADE 30 P OUTLET FALTER I PIARP CHAMBER DETAIL (weiserbyth-Acoul ITHIC) war to acus YPICAL NEW BEPTIC TANK (WATERTIGHT) OR EQUINELANT. FINAL GRADE! TO SUBGRADE E PRIOR TO T BE GIVEN TO SILT FENCE DETAIL Participation of 127 and 120 and Reced FINAL GRADE OVER 14" W X 45" L FIELD = 107.2" PUBLIC OF SW TO LIGHT W STORE MOREA 1300 GALLON CONCORTS LONG USE UPOH COMPUTE LANE USE UPOH COMPUTE LANE USE UPOH COMPUTE NOTE NUMBER OF LAW Z² BICH 40 PWC PRENSURED LINE ABIV 425 PBJ (DRAIN BACH) The EFFLUENT DISPOSAL SYSTEM RANNER SECTION - NOT TO SCALED NOTE: INSTALLIER MUST CONTACT ENGIN INSPECTION, INSTALLER MUST PAVE SIGN OFT BY EI VANEER AT THE OF ENAI I RATYEN NOT AL ACTUAL SURVEYI UNES LARAWN FOR SEPTIC LOCATION PURPOSES ONLY Shirt and a state of the state A PACYTER L'E PACYTER UNE THATEACOV TONI NOO NOLIVIIS I DVELVIIS 397-P. CHALANS PLACE FORCE MANIN SCH 40 T SLEEVE W THM 10 FEET OF WELLMLI BE 1 2012 S HOTE TO P INSPECT P FALCETS (OR FLOWI HITM THEY e TENTION INSTALLER!! L. DROMET BEPORE YOU DIGHI MASAACHURETTE ETATE LAW CHAPTER EE RECTIONE 44 -44E RECAURE V. FREMMONDO OF GALLETERSE, MINIST MASHMANNA GAURE TX, UTILIT LURES BE MAUE A Make first yerinde Renner Markanna Masar Kron avery servications R R.4. DR 5 FEET, IS NOT THE ACTUAL FINISTED MOUND IS NOT ACKNOMLEDGE THAT COLD M.E FOR THE AESTHETICS OF TTEM MANUSCOUL LEACH FIELD DETAIL (NTS) SLAB SLAB BURNOE NEW 1000 G. MONOLITHO FUE NEW 1600 G. MONOUTHICE, TANK PLMF, CRUSH, AND IMCKPL, EXCEPTION BOSTING E, TANK, WEILAND 調売を設 HIGH POINT DRIVE A 21 EXERTING 3 BEDROOM HOUSE - Allena FUN-2 BW 14 X 48 BAS LTANTS INC. IS NOT RESP TOPYOL, MO OPONIO MATERIA UN DE REJAORE TEX PROPIO DE MACHES SUPPORT DE TOPYOL ATEX EXUAND TO BED SUPPORT STAPPORT DE SUPPORT DE TOPICAL SUPPORT TO TANA TO TOPICAL DE SUPPORT DE TOPICAL YOU TO BOX - DEMY APPROXIMIE EPPOSED LEDGE OUTCHOP NEVELE SLOPE 2 % LUNE TEE ON MLET RUN SOLD FYTER LEVEL Z'OU PLACE WATER WILENEL Z'OU F BCHL 40 PVC SFT. NOTES









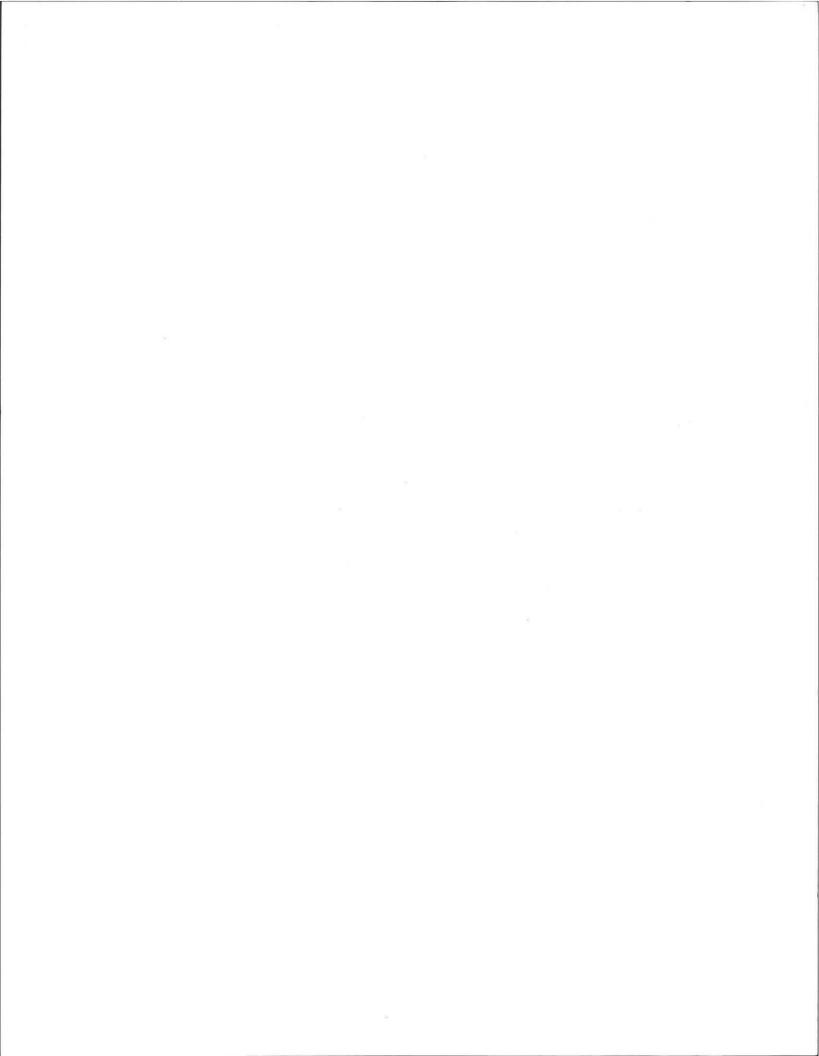


PERMITS/INSP PAYMENT ***TOWN OF AMHERST*** TOWN HALL 4 BOLTWOOD AVENUE AMHERST MA 01002 RECPT#: 10099847 DATE: 04/16/10 CLERK: courteman TIME: 08:27 DEPT: PAID BY: PAYMENT METH: CHECK 2517 **REFERENCE**: A AMT TENDERED: AMT APPLIED: 100.00 CHANGE : .00 SITE ADDRESS: PETERFREUND FEES: HEA059 WELL PERMI 100.00

TOTAL PAID:

100.00

COPY of Reciept FOR for A APPLICATION PREMIT





AMHERST

Massachusetts

AMHERST HEALTH DEPARTMENT, 70 BOLTWOOD WALK, AMHERST, MA 01002 (413) 259-3077 (413) 259-2404 - FAX Environmental Health Division (413) 259-3078

April 15, 2010

RE: 21 High Point Drive: Request for permit to install a Drinking Well.

Dear Amherst Board of Health:

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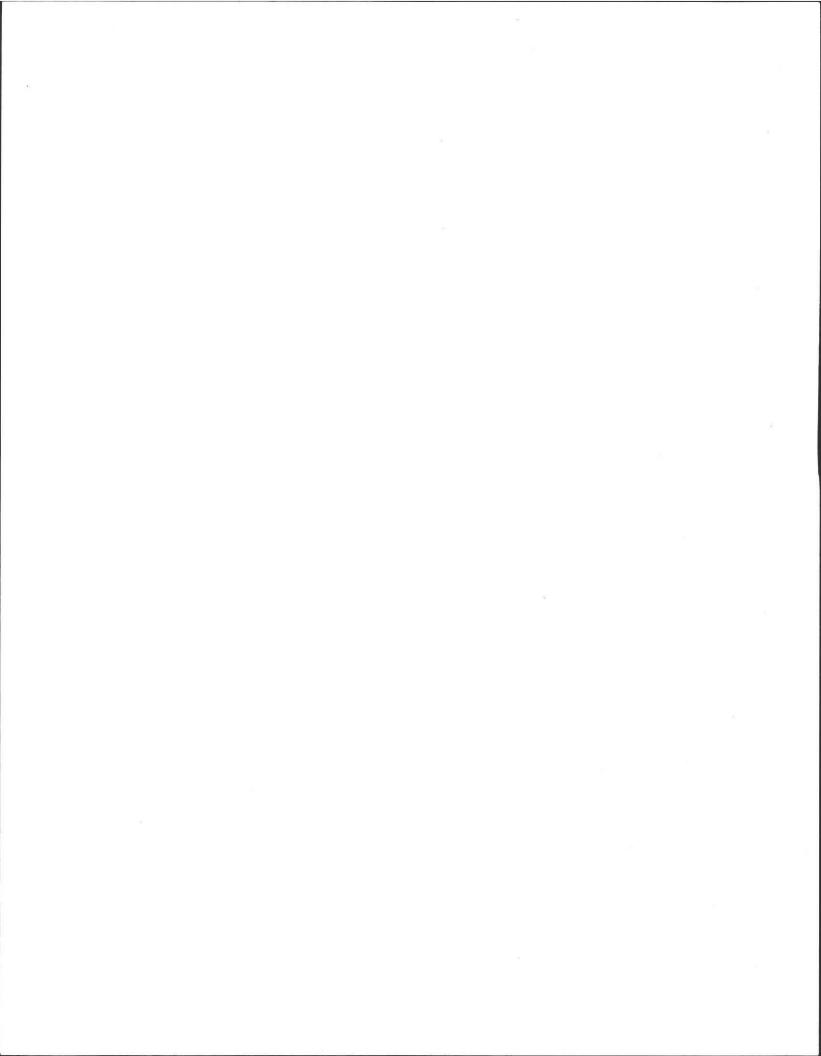
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Respectfully submitted

autemanche

Gary Courtemanche Assistant Sanitarian



2 HIGH POINT BOARD OF HEALTH, AMHERST APPLICATION FOR DISPOSAL WORK	# 21 High Point T, MASSACHUSETTS TS CONSTRUCTION PERMIT	
No. <u>69-9</u> Date <u>Sept. 24 1969 Fee \$ 3</u> Da	te Rec'd. Sept. 24, 1969 By Ced	
Application is hereby made for a permit to Construct (*) System at: Location—Address Lot & 2 High Point Hill Owner <u>Roy Industries</u>	or Repair () an Individual Sewage Disposal	
Contractor <u>Same</u>	Address	
Type of Building Dimensions	Size Lot acre	
Contractor <u>Same</u> Type of Building <u>Dimensions</u> Dwelling—No. of Bedrooms <u>4</u> Other <u>No. of persons</u> Other fixtures	Showers ()	
Other fixtures Town Water? Type	of Well Artesian	
Design Flow 50 gallons per person per day. Total daily flow	gallons	
Septic Tank-Liquid capacity <u>1200</u> gallons Dimensions:	L W D	
Disposal Trench—No Width Total Lengt Disposal Bed—No1 Diameter Dox 45 Depth below	inlet Total leaching area 450 sq. ft.	
Dry Well—No Diameter Depth below inlet	Dimensions: x x	
Other: Distribution box () P No Dosing tank () (Depth of Soil Line Below finished grade at foundation Percolation Test Results Performed by Drake Test Pit No. 1 minutes per inch)	
Percolation Test Results Performed by Drake	Date <u>9/24/69</u>	
Test Pit No. 1 minutes per inch	Depth of Test Pit	
Test Pit No. 2 minutes per inch Description of Soilfine sandy clay Depth Will disposal area be filled? Cut do (On reverse side or separate sheet, show plot plan with building. Show location of wells, streams, ledge, large trees, etc.)	Depth of Test Pit to Ground Water not found lown?	
AGREEMENT: The undersigned agrees to construct the aforedes ance with the provisions of Article XI of the Sanitary Code and dersigned further agrees not to place the system in operation u board of health. TOPSAL REMOUS REACTERS X Application Approved by C.E.Drake MAN	regulations of the Amherst Board of Health. The un- ntil a Certificate of Compliance has been issued by this	
Application Disapproved for the following reasons:		
BOARD OF HEALTH, AMHERST, MASSACHUSETTS CERTIFICATE OF COMPLIANCE		
THIS IS TO CERTIFY, That the individual Sewage I W.W.C.Laer at Lor 46 High Prove has been INSTALLER	Disposal System installed (X) or repaired () by a constructed in accordance with the provisions of	
Article XI of the State Sanitary Code as described in the appli	cation for Disposal Works Construction Permit No.	
The issuance of this certificate shall not be construed as	a guarantee that the system will function satisfactorily.	
DATEAPR. 1970	Inspector Chale	

2000 ARDS 6-8737 35 00 . 1200 SJT. HIGH POINT DRIVE

