

TITLE 5

OFFICIAL INSPECTION FOR - NOT FOR VOLUNTARY ASSESSMENTS SUBSURFACE SEWAGE DISPOSAL SYSTEM FORM PART A

CERTIFICATION

Property Address: 329 Leverett Road Amherst, MA

OWNER Name: Laurie Hanley

Owner's Address: 329 Leverett Road

Amherst MA 01002

Date of Inspection: June 7, 2006

Name of Inspector: <u>Alan E. Weiss, R.S # 933</u> Company Name: <u>Cold Spring Environmental Inc.</u>

Mailing Address: 350 Old Enfield Road

Belchertown, Massachusetts 01007

Telephone Number: (413) 323-5957 fax: 413-323-4916



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:

XX Passes

___Conditionally Passes

Needs Further Evaluation by the Local Approving Authority

Fails

Inspector's Signature:

Date: June 7, 2006

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.

Notes and Comments

Septic System was in good condition, There is no sign of current or past failing condition. S. Tank (1500 gallon) was in OK shape. Outlet & inlet baffles tees were in place. Septic tank was pumped. D. box was in good shape (w/ three pipes out) Stone was in good condition. All stains & levels were good at s. tank (<u>SAS 3+ years old Approx</u>. Has filter at outlet (cleaned)** Clean annually.

****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 different conditions of use.



			*
4 3 3			
4			

OFFICIAL INSPECTION FORM - NOT FOR VOLUNTARY ASSESSMENTS SUBSURFACE SEWAGE DISPOSAL SYSTEM INSPECTION FORM PART A

CERTIFICATION (continued)

Property Address: 329 Leverett Road Amherst, MA Owner: Hanley Date of Inspection: June 7, 2006
Inspection Summary: Check A,B,C,D or E / <u>ALWAYS</u> complete all of Section D
A. System Passes: XX 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: SAS is 3 yrs. Old & all levels were appropriate tank condition good.
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 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 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 explain:

	11-00-0		
		5	
*			

OFFICIAL INSPECTION FORM - NOT FOR VOLUNTARY ASSESSMENTS SUBSURFACE SEWAGE DISPOSAL SYSTEM INSPECTION FORM PART A

CERTIFICATION (continued)

erty Address: 329 Leverett Road Amherst MA				
Owner: <u>Hanley</u>				
Date of Inspection: June 7, 2006				
C. Further Evaluation is Required by the Board of Health:				
NO 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.				
The system has a septic tank and SAS and the SAS is within 50 feet of a private water supply well.				
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				
**This system passes if the well water analysis, performed at a DEP certified laboratory, for coliform bacteria and volatile organic compounds indicates that the well is free from pollution from that facility 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:				

			¥

OFFICIAL INSPECTION FORM - NOT FOR VOLUNTARY ASSESSMENTS SUBSURFACE SEWAGE DISPOSAL SYSTEM INSPECTION FORM PART A

CERTIFICATION (continued)

Property Address: 329 Leverett Road Amherst MA Owner: Hanley Date of Inspection: June 7, 2006
D. System Failure Criteria applicable to all systems: You <u>must</u> indicate "yes" or "no" to each of the following for <u>all</u> inspections:
Yes Nox Backup of sewage into facility or system component due to overloaded or clogged SAS or cesspoolx Discharge or ponding of effluent to the surface of the ground or surface waters due to an overloaded or clogged SAS or cesspoolx Static liquid level in the distribution box above outlet invert due to an overloaded or clogged SAS or cesspoolx Liquid depth in cesspool is less than 6" below invert or available volume is less than ½ day flowx Required pumping more than 4 times in the last year NOT due to clogged or obstructed pipe(s). Number of times pumpedx Any portion of the SAS, cesspool or privy is below high ground water elevationx Any portion of cesspool or privy is within 100 feet of a surface water supply or tributary to a surface water supplyx Any portion of a cesspool or privy is within a Zone 1 of a public wellx 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 coliform bacteria and volatile organic compounds indicates that the well is free from pollution from that facility and the presence of ammonia nitroger 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.] NO (Yes/No) The system fails. 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. You must indicate either "yes" or "no" to each of the following: (The following criteria apply to large systems in addition to the criteria above)
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.

		4

OFFICIAL INSPECTION FORM - NOT FOR VOLUNTARY ASSESSMENTS SUBSURFACE SEWAGE DISPOSAL SYSTEM INSPECTION FORM PART B

CHECKLIST

Property Address: 329 Leverett Road Amherst MA
Owner: Hanley
Date of Inspection: June 7, 2006

Date of Inspection: June 7, 2006
Check if the following have been done. You must indicate "yes" or "no" as to each of the following:
Yes No <u>x</u> Pumping information was provided by the owner, occupant, or Board of Health
XWere any of the system components pumped out in the previous two weeks?
X Has the system received normal flows in the previous two week period?
\underline{x} Have large volumes of water been introduced to the system recently or as part of this inspection?
\underline{X} Were as built plans of the system obtained and examined? (If they were not available note as N/A)
<u>x</u> Was the facility or dwelling inspected for signs of sewage back up?
<u>x</u> Was the site inspected for signs of break out?
<u>x</u> Were all system components, excluding the SAS, located on site?
\underline{x} 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?
<u>x</u> 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:
Yes no X Existing information. For example, a plan at the Board of Health.
<u>x</u> 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(3)(b)]

OFFICIAL INSPECTION FORM - NOT FOR VOLUNTARY ASSESSMENTS SUBSURFACE SEWAGE DISPOSAL SYSTEM INSPECTION FORM PART C SYSTEM INFORMATION

Property Address: 329 Leverett Road Amherst MA

Owner: Hanley
Date of Inspection: June 7, 2006

FLOW CONDITIONS
RESIDENTIAL
Number of bedrooms (design): 4 Number of bedrooms (actual): 4
DESIGN NOW DASED OF STUCKER IS 703 (for example, 110 1 // CI 1
Does residence have a garbage grinder (ves or no). NO CRINDERG AREAGE AREAGE
consolial disc. (yes of no): no
Water meter readings, if available (last 2 years usage (gpd)): N/-
samp pamp (yes of no). NO
Last date of occupancy: 2 mos.
COMMEDICAL
COMMERCIAL/INDUSTRIAL Type of establishment: N/A
Design flow (based on 210 CMP) 15 2022
Design flow (based on 310 CMR 15.203): gpd Basis of design flow (seats/persons/sqft,etc.):
Grease trap present (yes or no):
Industrial waste holding tank present (yes or no):
Non-sanitary waste discharged to the Title 5 system (yes or NO):
Water meter readings, if available: Last date of occupancy/use:
Last date of occupancy/use:
OTHER (describe)
Pumping Beauty
Pumping Records
Source of information: Owner & records (2 yrs.)
Was system pumped as part of the inspection (<u>YES</u> or no): <u>Yes</u>
if yes, volume pumped: 1000 gallons How was quantity numbed determined to be
Reason for pumping: REQUEST
TYPE OF SYSTEM
x Septic tank, distribution box, soil 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 corp. of the
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 DEP approval
Other (describe):
Approximate age of all components, date installed (if known) and source of information: 16 +/- years old
and source of information: 16 +/- years old
Were servings adom days days 1

Were sewage odors detected when arriving at the site (yes or no): \underline{NO}

		•

OFFICIAL INSPECTION FORM - NOT FOR VOLUNTARY ASSESSMENTS SUBSURFACE SEWAGE DISPOSAL SYSTEM INSPECTION FORM PART C

SYSTEM INFORMATION (continued)

Property Address: 329 Leverett Road Amherst MA Owner: Hanley Date of Inspection: June 7, 2006
BUILDING SEWER (locate on site plan)
Depth below grade: -16+" Materials of construction:cast iron _X_40 PVCother (explain): Distance from private water supply well or suction line: 10'+ Comments (on condition of joints, venting, evidence of leakage, etc.):
SEPTIC TANK: Yes (locate on site plan)
Depth below grade: 12" Material of construction: X concrete metal fiberglass polyethylene other(explain)
If tank is metal list age: Is age confirmed by a Certificate of Compliance (yes or no): (attach a copy of certificate)
Dimensions: <u>4.5'w x10.5 l x5.5'd</u> Sludge depth: <u>2"</u>
Distance from top of sludge to bottom of outlet tee or baffle: 42" Scum thickness: 2" Distance from top of scum to top of outlet tee or baffle: 5"
Distance from bottom of scum to bottom of outlet tee or baffle: 14" How were dimensions determined: MEASURED 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 CONDITION OK
S. tank hadbaffles, TANK SHOULD BE PUMPED EVERY OTHER YEAR. Clean outlet filter annually
GREASE TRAP: N/A (locate on site plan)
Depth below grade: Material of construction:concretemetalfiberglasspolyethyleneother (explain):
Dimensions: Scum thickness: Distance from top of scum to top of outlet tee or baffle: Distance from bottom of scum to bottom of outlet tee or baffle:
Date of last pumping: Comments (on pumping recommendations, inlet and outlet tee or baffle condition, structural integrity, liquid levels as related to outlet invert, evidence of leakage, etc.):

OFFICIAL INSPECTION FORM - NOT FOR VOLUNTARY ASSESSMENTS SUBSURFACE SEWAGE DISPOSAL SYSTEM INSPECTION FORM PART C

SYSTEM INFORMATION (continued)

Property Address: 329 Leverett Road Amherst MA Owner: Hanley Date of Inspection: June 7, 2006
TIGHT or HOLDING TANK: NO (tank must be pumped at time of inspection)(locate on site plan)
Depth below grade: Material of construction:concretemetalfiberglasspolyethyleneother(explain):
Dimensions:gallons
Capacity:gallons
Design Flow: gallons/day
Alarm present (yes or no):
Alarm level:Alarm in working order (yes or no):
Date of last pumping:
Date of last pumping:
DISTRIBUTION BOX: YES (if present must be opened)(locate on site plan) Depth of liquid level above outlet invert: @ inv. Comments (note if box is level and distribution to outlets equal, any evidence of solids carryover, any evidence of leakage into or out of box, etc.): 3 outlet lines level& equal flow noted.
PUMP CHAMBER: No (locate on site plan) Pumps in working order (yes or no): Alarms in working order (yes or no): Comments (note condition of pump chamber, condition of pumps and appurtenances, etc.):

OFFICIAL INSPECTION FORM - NOT FOR VOLUNTARY ASSESSMENTS SUBSURFACE SEWAGE DISPOSAL SYSTEM INSPECTION FORM PART C

SYSTEM INFORMATION (continued)

Property Address: 329 Leverett Road Amherst MA Owner: Hanley Date of Inspection: June 7, 2006 SOIL ABSORPTION SYSTEM (SAS): YES (locate on site plan, excavation not required) If SAS not located explain why: Type ___ leaching pits, number: _ leaching chambers, number: leaching galleries, number: leaching trenches, number, length: _ +/-1 leaching fields, number, dimensions: 16' w x 50' l+/-____ overflow cesspool, number: 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.): No signs of failure, stone ok, and no Groundwater noted, Top of stone @ 1' CESSPOOLS: N/A (cesspool must be pumped as part of inspection)(locate on site plan) Number and configuration: Depth - top of liquid to inlet invert: Depth of solids layer: Depth of scum layer: Dimensions of cesspool: Materials of construction: Indication of groundwater inflow (yes or no): Comments (note condition of soil, signs of hydraulic failure, level of ponding, condition of vegetation, etc.): PRIVY: N/A (locate on site plan) Materials of construction: Dimensions: Depth of solids: Comments (note condition of soil, signs of hydraulic failure, level of ponding, condition of vegetation, etc.):

			,

OFFICIAL INSPECTION FORM - NOT FOR VOLUNTARY ASSESSMENTS SUBSURFACE SEWAGE DISPOSAL SYSTEM INSPECTION FORM PART C SYSTEM INFORMATION (continued)

Property Address: 329 Leverett Road Amherst MA

Owner: Hanley
Date of Inspection: June 7, 2006

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. Locate where public water supply enters the building.

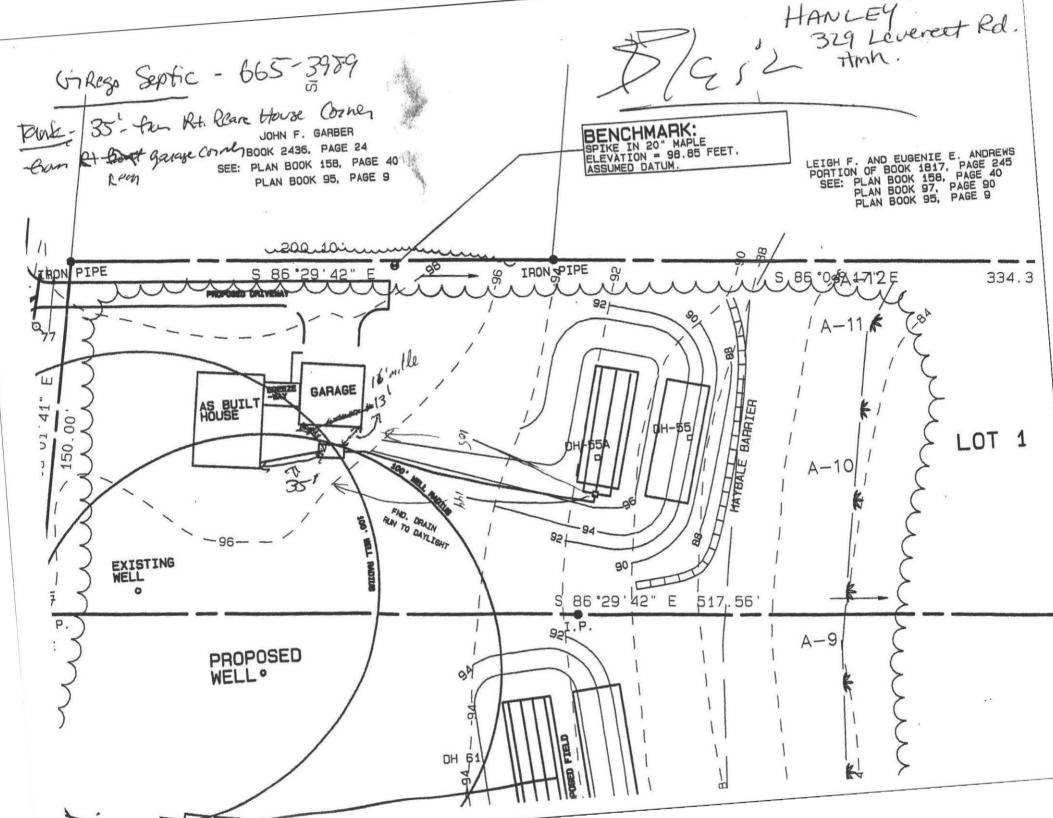
Also See attached

_		

OFFICIAL INSPECTION FORM - NOT FOR VOLUNTARY ASSESSMENTS SUBSURFACE SEWAGE DISPOSAL SYSTEM INSPECTION FORM PART C SYSTEM INFORMATION (continued)

Owner: Hanley Hanley
Date of Inspection: June 7, 2006
SITE EXAM Slope YES Surface water Check cellar
Shallow wells
Estimated depth to ground water_5'+/-feet
Please indicate (check) all methods used to determine the high ground water elevation:
<u>YES</u> Obtained from system design plans on record - If checked, date of design plan reviewed: 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:
You must describe how you established the high ground water elevation:
Water level based on on-site data from topography, and records plan 2002 installation record

		• ,



		٠, ,

FORM 1-APPLICATION FOR DSCP

No 02-23

 $Commonwealth\ of\ Massachusetts$

Fee 100 PE ch# 9562 12/6/02

AMHERST, Massachusetts

Application for Disposal System Construction Permit

Application is hereby made for a Permit to Constru system at:	ct (X) or Repair () an On-site Sewage Disposal
Location Address or Lot No. 1	Owner's Name, Address and Tel. #
3·29LEVERETT ROAD	NORTHAMPTON ASSOCIATES 25 MAIN STREET NORTHAMPTON, MA 01060 413-586-5340
Installer's Name, Address, and Tel. #	Designer's Name, Address and Tel. #
LML CONSTRUCTION 608 LONG PLAIN ROAD LEVERETT, MA 01054 413-665-3788	MacLeay Associates, Inc. 102 Bridge Street Shelburne Falls, MA 01370 (413) 625-9774
Type of Building:	
Dwelling No. of Bedrooms 4	Garbage Grinder NO
	No. of PersonsShowers Cafeteria
NORTHAMPTON ASSOCIATES, LEVERETT RO	OSAL PLAN IN AMHERST, MASS FOR OAD. LAN FOR DETAILED TEST PIT DESCRIPTIONS,
SEASONAL HIGH GROUNDWATER AT 24" PE DAVID ZAROZINSKI	RC RATE 10 MIN./INCH, . WITNESSED BY
Nature of Repairs or Alterations (Answer when appLEACH FIELD	plicable)INSTALL SEPTIC TANK, D-BOX AND
sewage disposal system in accordance with the prov	struction and maintenance of the aforedescribed on-site visions of Title 5 of the Environmental Code and not to Compliance has been issued by this Board of Health. Date 2/6/02
Permit No02 - 23	Date Issued 2/66/0.2

Commonwealth of Massachusetts

AMHERST, Massachusetts

Disposal System Construction Permit

No. 02-23
Permission is hereby granted to NORTHAMPTON ASSOCIATES to construct (X) or repair () an On-site Sewage System located at LOT 1 LEVERETT ROAD (3.29)
and as described in the above Application for Disposal System Construction Permit. The applicant recognizes his/her duty to comply with Title 5 and the following local provisions or special conditions.
All construction must be completed within two years of the date below. Date

				• •
			80 g	

Commonwealth of Massachusetts

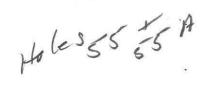
AMHERST, Massachusetts

Certificate of Compliance

This is to Certify, that the On-site Sewage Disposal System installed (X)	
or repaired/replaced () onby	
MA J 27, 2003 for NORTHAMPTON ASSOCIATES	_at
LOT 1 LEVERETT ROAD (329)	
has been constructed in accordance with the provisions of Title 5 and the for	
Disposal System Construction Permit No. 02-23 dated	
1400 22, 2002 Use of this system is conditioned on compliance	
with the provisions set forth below:	
	_
	_
	_
	_
The issuance of this certificate shall not be construed as a guarantee that	
the system will function as designed. The Certificate expires on	
AW of clark	
1 3/2/103	
Date Inspector	-
July Illian	

				Z.
			• 1	7.
			2	
			20 1	
			N. 2	
			4.5	

FORM 11: Soil Evaluation Form	NO:
Town of	of Massachusetts
Soil Suitability Assessmen	t : On-Site Sewage Disposal
Performed By: Chaistini Buc Witnessed By: David Zar	Date: 12/3/01
Location Address of: Leverett Rd	3,000
New Construction Repair	
Office Review	
Published Soil Survey Available? No Year Published Publication Drainage Class Soil Limitar	Scale Soil Map Unit
×	
Surficial Geologic Report Available? Year Published Publication Second Geologic Material (map unit) Landform	cale
Flood Insurance Rate Map: Above 500 year flood bounda Within 500 year flood bounda Within 100 year flood bounda	ry? No 🗆 Yes 🗆
Wetland Area: National Wetland Inventory Map (map Wetlands Conservancy Program Map	
Current Water Resource Conditions (CRANGE: Above Normal CRANGE)	Uses): month
Other Reference Reviewed:	



Determination: Seasonal High Water Table

Methods Used:	
☐ Depth observed standing in observation hole inc ☐ Depth weeping from side of observation hole inc ☐ Depth to soil mottles inches ☐ Ground water adjustment feet	
Index Well No Reading Date Index Well Leve Adjustment factor Adjusted ground water level	<u> </u>
Depth of Naturally Occurring Previous Material	
Does at least four feed of naturally occurring previous marexist in all areas observed throughout the area proposed fabsorption system?	
If not, what is the depth of naturally occurring previous ma	iterial?
Certification	
I certify that on (date) I have passe evaluator examination approved by the Department of Env. Protection and that the above analysis was performed by me consthe required training, expertise, and experience described in 15.017.	sistent with
Signature	

					4 (*)
5					
	* #				
					•

STOWELL Prop

		Or	n-Site Revi	ew /	1				
Weather	le Number	ay C	ate: 12/	5/01 Ti	me				
Land Us	Land Use Slope (%)								
	Stone on: <i>9/15</i>	STERCE	cents		-				
	011. 72-45	,			May on the state of the state o				
Landforn	n'			-					
Landion	T, 11 T	anda	_						
Position	on Landson	pe (sketch o	n hack)						
Distance		pe (sketch o	+ +						
		Body 100		Draina	geway feet				
		et Ares 200 ater Well/0		Other	ty Line 70' feet				
				TO 13=					
depth from	soil horizon	DEEP OBSE soil texture		HOLE LOG	other				
surface (inches)	SON HONZON	(USDA)	(Munsel)	·	(structure, stones, boulders) Consistency, % gravel				
8	Ar	FSL	101R	_	Coose conf				
	Bu	FSL	11/2						
17	20	/ 3-	5/2		EX FUMBL				
2/	0	FSC	10/4	Than's	2070 pm				
3/	- /			7.514	MASSIVE FORE				
	Ce	FSL	16/4/2	57 1U12/	grand Same				
103			")	57251	Messive Fluido				
		ologic) _00	Tuash	10360	14 DIA				
	Bedrock Groundwat		-						
	Standing W	ater in the H							
		om Pit Face _ Seasonal Higl		0					
	_sumated c	casonal rily	II ANGIGI	- 5/					

	On-Site Revie	ew	•
Deep Hole Number 35A Weather	Date:	Time	
Location (identify on site plan))		
Land Use		Slope (%)	
Surface Stone	Cam		1
)N'		
Landform:			
Position on Landscape (sketc	h on back)		
Distances from:			
Open Water Body	feet	Drainageway	feet
Possible Wet Ares	feet	Property Line	
Drinking Water Well	feet	Other	

		DEEP OBSE	RVATION	HOLE LOG	
depth from surface (inches)	soil horizon	soil texture (USDA)	soil color (Munsel)	soil mottling	other (structure, stones, boulders) Consistency, % gravel
8	Ap	FSL	10/2	24"	
24	Bu	FSL	16 Ya/6	25 yr	5 pm
117	C,	FSC	18 X2 4/3	4/2	55
				,	

Parent Material (geologic)	
Depth to Bedrock//7	
Depth to Groundwater:	(a)
Standing Water in the Hole	
Weeping from Pit Face 9.3	_
Estimated Seasonal High Water	_

				•	3
			į,		
					•

STWORL Prop

FORM 12: Percolation Test	Leverett	- 0 /
Location Adrress or Lot #	Leone 11	162
	nwealth of Massachusett. Town of Ankars	
PER	COLATION TEST *	

	PERCOLATION TES	T *
DATE	: 12/5/01	TIME:
Observation Hole #	55	55 A
Depth of Perc	. 48"	38"
Start Pre-soak	.9:27	10:30
End Pre-soak	9:42	16:45
Time at 12"	9.42	10:45
Time at 9"	9:49	10:56
Time at 6"	16:13	11:25
Time (9"-6")	25	29
Rate Min./Inch	(9)	(10)

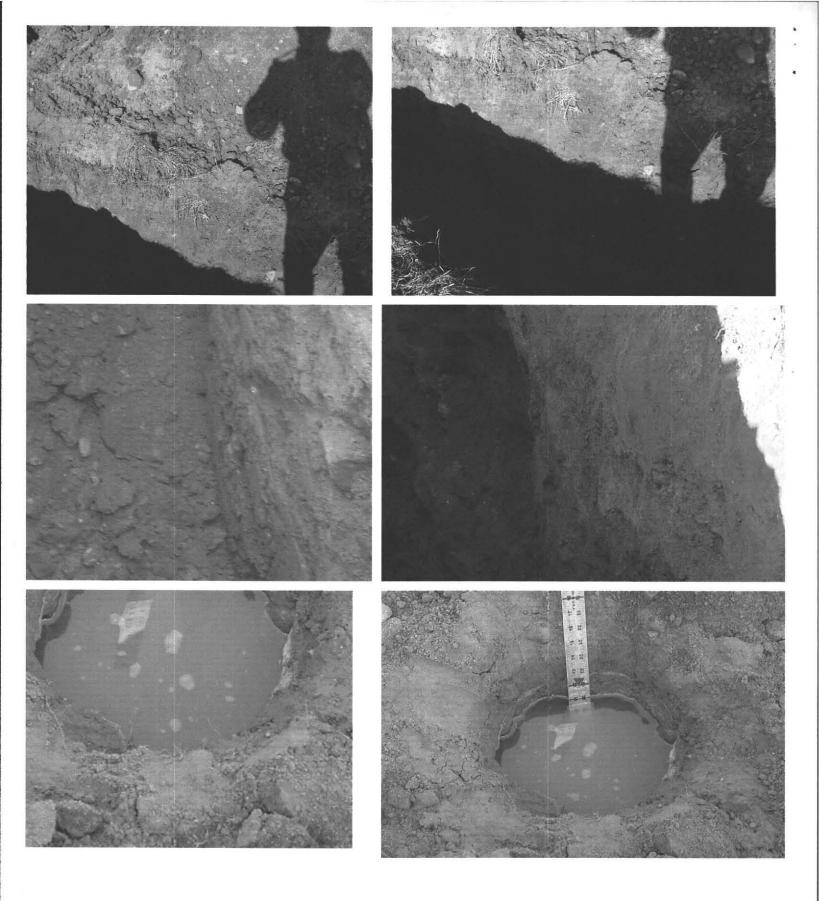
*Minimum of one percolation test must be performed in both the primary area and reserve area.

Site Passed	Site failed □	
Performed by	Chustin Soien	-
Witnessed by	David Zamingh.	•
Comments:		



Stowall Property on Leverett Road Hole 55. Engineer: Christian Boysen

,	
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	4
	* *



Stowall Property on Leverett Road Hole #55A Engineer: Christian Boysen

Ψ.		
,		
		7

Well Completion Report

TEWELCH													en e	erita establish	ACCOUNT OF THE PARTY OF THE PAR	
Address at	Address at Well Location: North Leverett Road Property Owner: Eco Structures															
Subdivision											Mailir	na Address:	25	Main	Street, Suite	e 445
City/Town:	Amher	rst	MA								City	NOr	than	npton	, MA 01060	61.
Assessors	Map 03/	A		Ass	esso	ors L	ot #	:	1		NOT	E: Assessors	s Mar	and I	Lot # mandatory if n	o street address available
Board of H	Parce ealth permi	el it ob	002 taine	d:	,	Yes				Not	Required	Ž F	ermi	t Numb	berD	ate Issued
2.WORK	ERRORY	j.						; ,=)	-(6)	/all	माग्रेसन्.				application in the	STATE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS N
New W			ando							nesti		Irrigation			☐ Cable	
☐ Deepen			cond er_							nitori Istria		Municipal Other			X Air Hammer ☐ Mud Rotary	
SOVERE							Ur			date			ated	4., S		n - multo with distress)
ACCOUNT MANAGEMENT OF THE			Perme High	ability	Clay	Silt	g	Nel	Cobbles	ders					A Charles	
From (ft)	To (ft)	\$	High	Low	ਹੱ	S	Sand	Gravel	8	Boulders	Other	Rock Ty	ре		Nonen	ext rd
0	35						X	X						_	Never	1
35	425										Bedrock	quartz/	sha	le 🚬		Dane
														1	well	
														C		
													1	49		7
													-			
												-	-	20 m		
								_				- COA	*	4		
FOR THE SE	6)(Sec.11)	(F)			Armer .	1.6	11:16					-	W. A			7 7 7
The same of the sa	AND A PROPERTY OF		25 '	// C /4	-	rom	Aller Francis		o (f	t)	Cas	sing Type an	d Ma	terial	Size O.D. (in)	Well Seal Type
	h Drilled ng Complet				-		()		60			Steel			6"	Drive Shoe
NOvembe	er 20, 2	002	2		-			-	00		-	0.0001				Di Ive Siloc
0 963148		_	9.4	- 17	堂		1 6		100	11.79	die	- Colored		4		
From (ft)		The .	. 2	Slot	City	^	Trans.			5-1-1-1	Soroon	ype and M	atoria		a de la companya de l	Screen Diameter
Tiom (it)	10 (11)	1		Siot	SIZE	-			NON	JE 4	Scieer	Type and M	ateria			Screen Diameter
(i) (i) (i)		707	T. 1	74.29	v 85	10 T	V						1000	4	ASSISTANT	THE ROLL OF MARION
la element	1000	1-(0)	FIRE		1.1	17814	1-11	Line	ACT OF		A STATE OF THE PARTY OF THE PAR	THE STAN	A110	Harris Link	the control of the co	
From (ft)	To (ft)				M	later	ial [)eşç	ripti	on	0	Pur	pose		Developed?	Yes 🗆 No
		T						4	NA.	-	4				Enhancement?	Yes 🗓 No
		+					-	1		4					Method	
		+				Á	P A	-	6						Control of the Contro	X Yes □ No
Pawer.	1.	707.	1:(3)	1010	1 (1)	40	E jui		Y	e0 . •		THE THE ST	Piles A	7 7	CHRIST SECTION STATES	A LEVE (ALCWELDS)
Cash sheet of	ar indian street	- miles	No.		ويسحبنه		a P	umn	ed	Dra	wdown to	Time	Reco	very to	the second of the second section is	Depth Below
Date	Metho	d		(GP)	M	h	rs &	mir	1)		t. BGS)	(hrs & min)	(Ft.	BGS)	Date Measured	Ground Surface (FT)
11/21/0	2 bucket	t		2	Shirt	4	10	m			210'	2h 35m	3	35'	11/21/02	35'
			6		1	*										
: 19 <u>=</u> ;117	10137	Mi.	(1	100		145		100			1 4 6				of the strongs of	PURE INSTAULATION COMPANY
Pump Desc	cription	*		A STATE OF THE PARTY OF THE PAR					*		н	orsepower _			MOuntain Spr	ings Pumps
Pump_Intak					(ft)		N	omi	nal	Pum		/	(gpm)	Pelham, MA	A CONTRACT OF THE
in Politi	THE PERSON OF SE	1	7	7	1 -7											
77/3-7	O'jiletian		/ · · ·	1/15	۲ <u>.</u>	n'n		Th	is w	ell w	as drilled	and/or aban	done	d unde	er my supervision, a	ccording to applicable rules est of my knowledge.
The state of the s	. 4	1	- Action					and	d re	gula	tions, and	this report is	s com	plete	and correct to the b	est of my knowledge.
Driller: Ke	nneth C	L	ynd	e			Sup	ervi	sing	Dril	ler Signati	ıre: Les	mil	1/1	Munneg	istration #: 4 8 0
060	nde Wel				ıg,		100					Date: _	111	27	1 M	Permit #: 1 1 4

(2) II 2			



Qualbin Analytical Laboratory

Box 1192 Stadler Street, Belchertown, MA 01007

(413)-323-7134

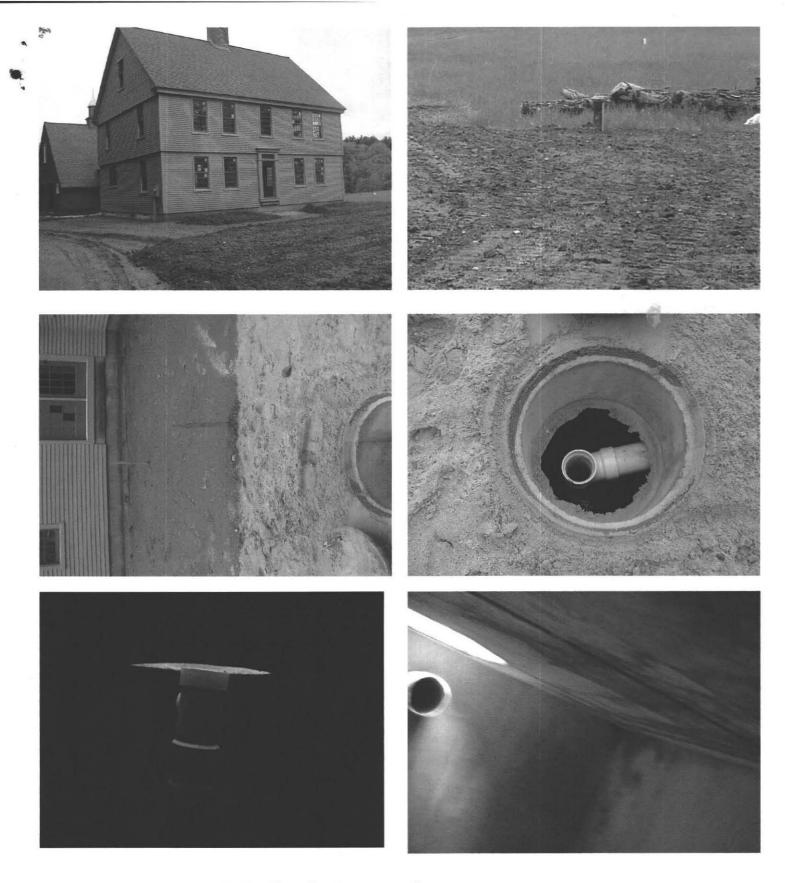
Name:	WWO, LLC	Sample Date:	11-22-02
Address:	25 Main Street, Suite 445	Report Date:	11-27-02
	Northampton, MA 01060	Collected By:	Mt. Springs Pumps & Service
Sample Location:		Type Supply:	Well
	Leverett Road	Sample No.:	QAL 7813 with SP 2454
	Amherst, MA 01002	Lab ID#:	M-02454 & M-MA 138

TESTED FOR	RESULTS	MAX. RECOMMENDED LEVELS
Total Coliform Bacteria	Absent	Present or Absent
Nitrite	0	1.0 mg/l
Nitrate	0.2	10.0 mg/l
Ammonia	.03	No Limit
рН	8.00	6.5-8.5
Iron	.16	.30 mg/l
Sodium	9.25	No Limit
Hardness	60.0	No Limit
Turbidity	4.4	5 NTU
Chloride	14.2	250 mg/l
Chlorine	0	No Limit
Lead	0	0.015 mg/l
Arsenic	0.0127	0.05 mg/l

Results are only for those items listed above and on the above collected date. Except for the following ______, 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.

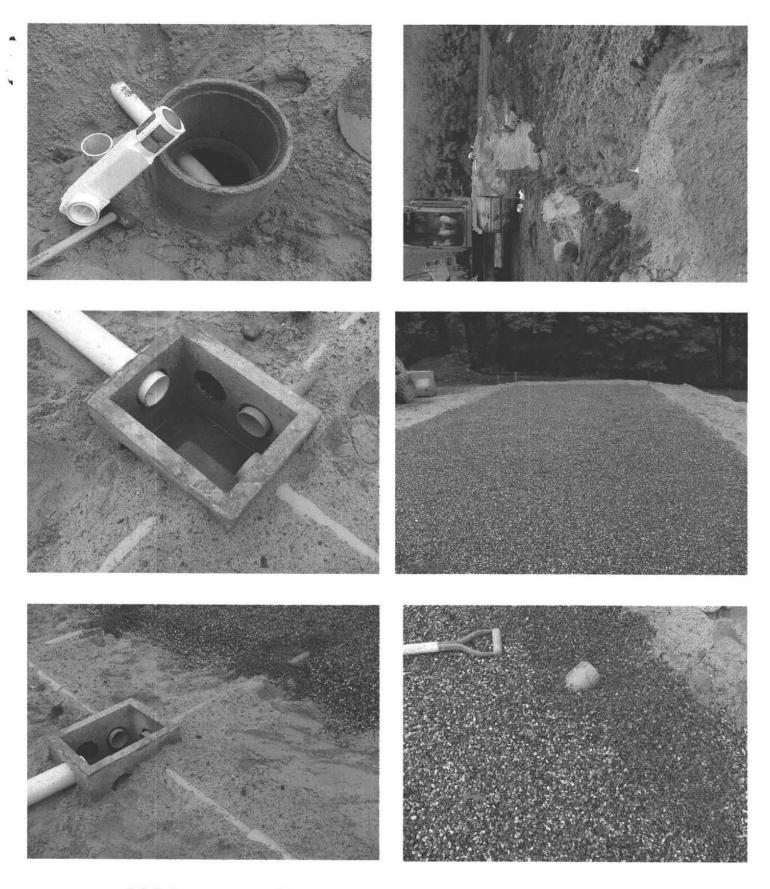
David Fredenburgh, Director

	7			
4				



329 Leverett Rd Northampton Assoc Installer: LML Cons. Designer: MacLeay Assoc.

*
7



329 Leverette Rd Noho Assoc 25 Main St, Noho Installer: LML Cons. Designer: MacLeay Assoc



329 Leverett Rd Northampton Assoc Installer: LML Cons Designer: Macleay Assoc

graduation of the second	

