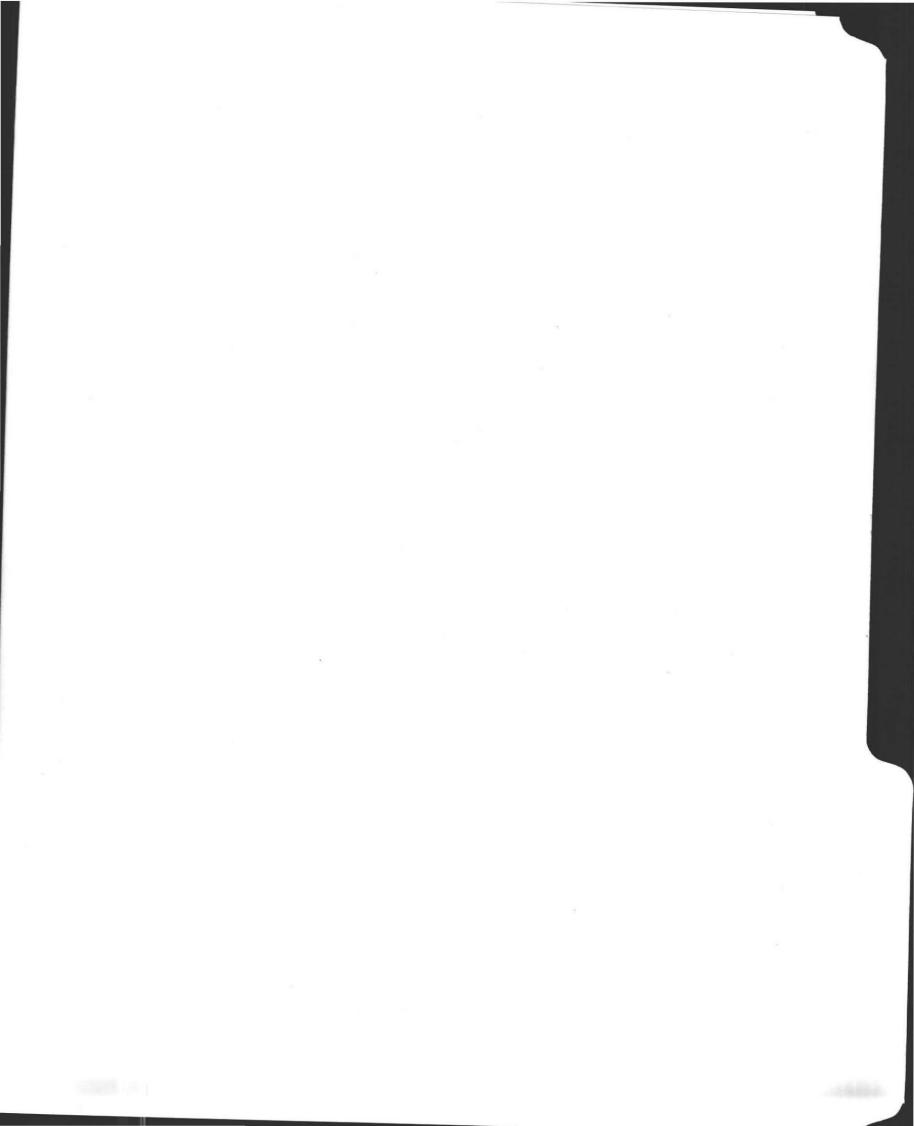
1040 BAY RD.





COLD SPRING ENVIRONMENTA CONSULTANTS INC.

EPI BODHI HEALTH

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

July 23, 2009

Amherst Conservation Commission Town Hall Amherst, MA 01002 · ocher wordin

Regulatory Compliance

· Recycling and Solid Waste

· Second Opinions



RE:(Map 30A, Lot 24) # 1040 Bay Road, Septic Repair, Request for Determination, CSEC Proj., No. 109-3198-0715

Dear Sir/Madam

Enclosed please find the **Septic Repair Plan** for the *Repair of the subsurface Disposal System* for the above mentioned property. The existing system is to be replaced. **The no work line (50 feet)** is delineated from the BVW using properly buried (6"), staked silt fence with straw bale backing (Or equivalent). All above noted locations are referenced on the Figure 1: Site Locus Map and Figure 2: Site Construction Plan, attached.

The Health Department has been contacted for proper septic permits. Wetland delineation was based on our own observation of typical hydrophytic species, topography and hydrology observed in the field and in the presence of the agent for the Board of Health. 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 (50') as well as follow-up mulching and seeding of wetland buffer & frontyard margins. The septic meets the minimum (310 CMR 15.00) setback of >50 feet (54+ feet noted). The work area in the buffer zone would be limited to less than 1,200 square feet. No 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.

Sincerely,

Cold Spring Environmental Consultants, Inc.

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

Massachusetts Department of Environmental Protection

Bureau of Resource Protection - Wetlands

depicted on referenced plan(s).

N/A (Septic Repair)

Amherst City/Town

WPA Form 1- Request for Determination of Applicability

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

A. General Information

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





1.	Applicant:					
	Beverly "Lee" Barstow	Leebarstow@gmail.com				
	Name	E-Mail Address (if applicable)				
	1040 Bay Road	1949 - Appropriating versal control of the Control of Section (1949)	900 (gr 50) (20)			
	Mailing Address					
	Amherst	MA	01002			
	City/Town	State	Zip Code			
	413-427-1278		The last to the dispersion			
	Phone Number	Fax Number (if applical	ble)			
2.	Representative (if any):					
	Cold Spring Environmental, Inc.					
	Firm					
	Alan E. Weiss, M.S.	aeweiss@charter.i				
	Contact Name	E-Mail Address (if appli	icable)			
	350 Old Enfield Road					
	Mailing Address	Sau the rea	Limited Resources			
	Belchertown	MA	01007			
	City/Town	State	Zip Code			
	413-323-5957	413-323-4916				
	Phone Number	Fax Number (if applica	ble)			
В.	Determinations					
1.	I request the Amherst	make the following determina	ation(s). Check any that apply:			
.545	Conservation Commission					
	_					
	a. whether the area depicted on plan		elow is an area subject to			
	jurisdiction of the Wetlands Protection	n Act.				
	b. whether the boundaries of resour	rce area(s) denicted on plan(s)	and/or man(s) referenced			
	below are accurately delineated.	de area(s) depleted on plan(s)	and/or map(3) referenced			
	, , , , , , , , , , , , , , , , , , , ,					
	□ c. whether the work depicted on plane	(s) referenced below is subject	to the Wetlands Protection Act			
	d. whether the area and/or work depi of any municipal wetlands ordinand		ow is subject to the jurisdiction			
	Amherst					
	Name of Municipality					

e. whether the following scope of alternatives is adequate for work in the Riverfront Area as



Massachusetts Department of Environmental Protection Bureau of Resource Protection - Wetlands

Amherst City/Town

WPA Form 1- Request for Determination of Applicability Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

C. Project Description

1040 Bay Road	Amherst
Street Address	City/Town
30A	24
Assessors Map/Plat Number	Parcel/Lot Number
o. Area Description (use addition	al paper, if necessary):
portion of work is less than 100', I	ted for the repair of a septic system at an existing dwelling. A but greater than 50' (within Buffer Zone of the BVW). The total as no change in grade. The plan follows the attached plan also
c. Plan and/or Map Reference(s)):
Septic System Repair Plan.	7/21/08
Title	Date
No regrading or change in elevati	
No regrading or change in elevati	on is required by Title 5 as noted. No other changes in the Buf e work area. Work areas will be completed with seeding and
No regrading or change in elevati e. No tree cutting is required for th	on is required by Title 5 as noted. No other changes in the Buffe work area. Work areas will be completed with seeding and
No regrading or change in elevati e. No tree cutting is required for th	on is required by Title 5 as noted. No other changes in the Buff e work area. Work areas will be completed with seeding and
No regrading or change in elevati e. No tree cutting is required for th	on is required by Title 5 as noted. No other changes in the Buffe work area. Work areas will be completed with seeding and
No regrading or change in elevati e. No tree cutting is required for th	on is required by Title 5 as noted. No other changes in the Buff e work area. Work areas will be completed with seeding and
No regrading or change in elevation in the limit of work/silt fence is the limit of work/silt	on is required by Title 5 as noted. No other changes in the Bufe work area. Work areas will be completed with seeding and s noted as 50+ foot at its closest.
No regrading or change in elevation in the last of the ching. The limit of work/silt fence is the last of last of the last of	on is required by Title 5 as noted. No other changes in the Buffle work area. Work areas will be completed with seeding and s noted as 50+ foot at its closest. ands Protection Act or regulations which may exempt the applic

		y e



Massachusetts Department of Environmental Protection Bureau of Resource Protection - Wetlands

Amherst City/Town

WPA Form 1- Request for Determination of Applicability Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

C. Project Description (cont.)

	If this application is a Request for Determination of Scope of Alternatives for work in the erfront 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.
	Provide evidence (e.g., record of date subdivision lot was recorded) supporting the classification ove (use additional paper and/or attach appropriate documents, if necessary.)
N/A	

			e



Massachusetts Department of Environmental Protection

Bureau of Resource Protection - Wetlands

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:

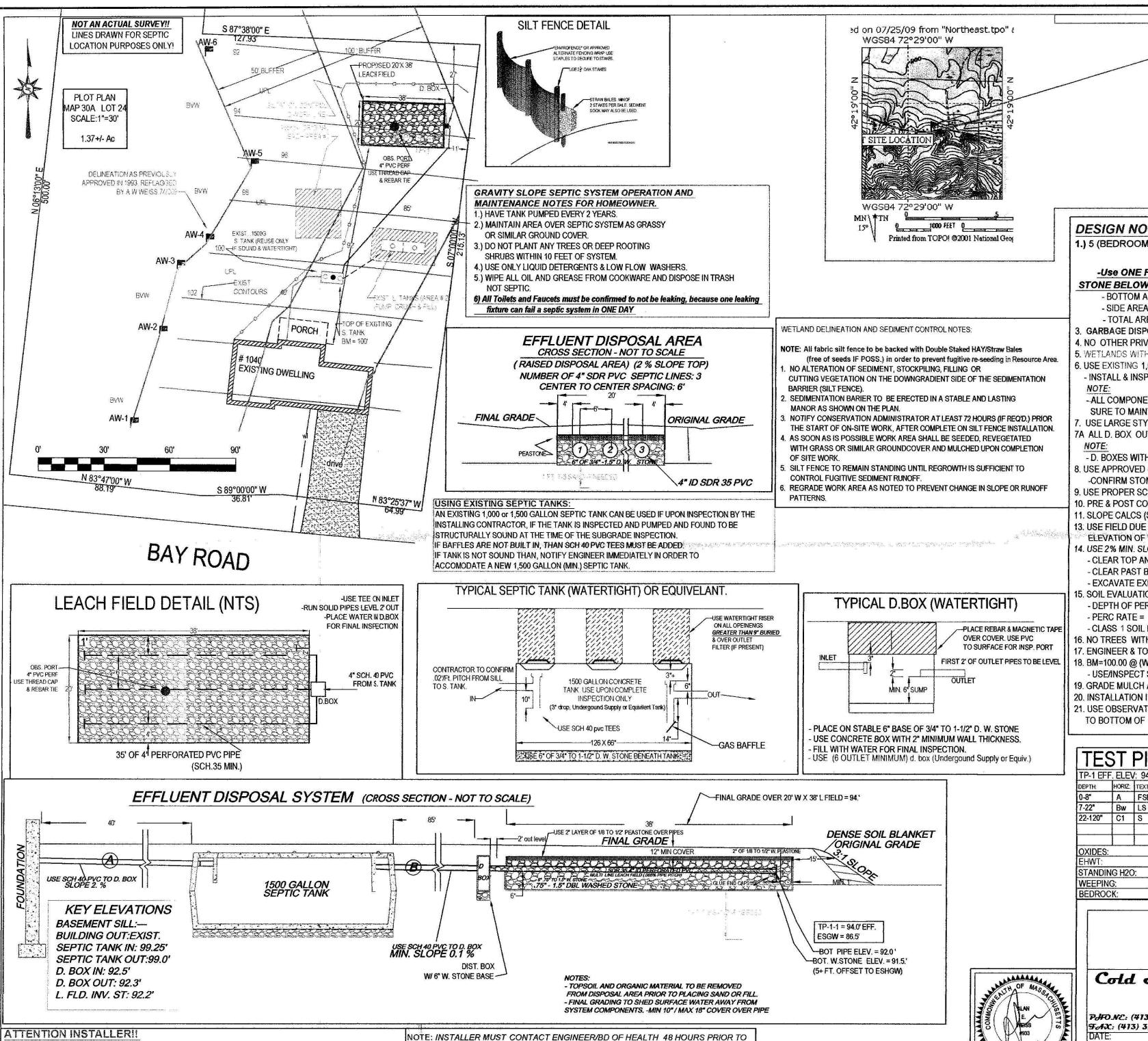
Beverly "Lee" Barstow		
Name		
1040 Bay Road		
Mailing Address		
Amherst		
City/Town		
MA	01002	
State	Zip Code	

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.

Not beered B	7. 30.2009
Signature of Applicant	Date
A	7.30 .2009
Signature of Representative (if any)	Date

	* * * •



IN PLACE PRIOR TO SIGN OFF BY ENGINEER AT TIME OF FINAL INSPECTION OR

APPROVAL WILL NOT BE GIVEN TO BACKFILL.

CALL DIG SAFE BEFORE YOU DIG!! MASSACHUSETTS STATE LAW CHAPTER 82 SECTIONS 40 - 40E SUBGRADE INSPECTION. INSTALLER MUST HAVE ALL BREAK OUT FILL ON SITE AND

REQUIRE THAT PREMARKING OF GAS, ELECTRIC, WATER, TELEPHONE AND CABLE T.V. UTILITY

LINES BE MADE A MINIMUM OF 72 HOURS PRIOR TO GROUND BREAK FOR ANY EXCAVATION.



DESIGN NOTES AND CALCULATIONS:

1.) 5 (BEDROOM HOME) X 110 GPD /BR = 550+ GPD. REQUIRED

-Use ONE FIELD: 20' WIDE X 38' LONG WITH 6" OF 3 TO 12 DBL WASHED

STONE BELOW INVERT

BOTTOM AREA\; 20' W X 38' L =760 SF.

- SIDE AREA: 0 SF.

- TOTAL AREA: 7764 SF X .74 GAL/SF = 562 GPD

3. GARBAGE DISPOSALL NOT ALLOWED, ..

4. NO OTHER PRIVATE WELLS WITHIN 150 FEET OF SAS.

5. WETLANDS WITHIN 1/00 FEET OF SAS_FILE Receust for Determination of Applicability with Conservation Comm.

6. USE EXISTING 1,500 GAL S. TANK AS NOTED (IF SOUND) & MAINTAIN 0.02 PITCH FROM SILL TO S. TANK - INSTALL & INSPECTI SCH. 40 TEES / BAFFLES (10" INLET, 14" OUTLET),

-ALL COMPONENTS) OF NEW SYSTEM MUST BE MARKED WITH MAGNETIC TAPE. BE SURE TO MAINTAIN 3" CLEARANCE FROM TOP OF TEES TO BOTTOM OF TANK COVERS & BOXES.

. USE LARGE STYLE (6 OUTLET) D.BOX ONLY.

7A ALL D. BOX OUTLET PIPES LEVEL FOR FIRST 2'. BOXES MUST HAVE 2"+CONC. WALLS

- D. BOXES WITH MORE THAN 9" OF COVER SOIL MUST HAVE RISERS TO 6" OF SURFACE.

3. USE APPROVED (.75""-1 1/2") DBL. WASHED STONE UNDER TANK & D. BOX FOR 6".

-CONFIRM STONE PROPERLY DOUBLE WASHED PRIOR TO PLACEMENT.

9. USE PROPER SCH. 4(0 PVC TEES AS SHOWN.

10. PRE & POST CONTOURS NOTED AS NECESSARY, RESERVE AS NOTED (not required for repairs)

11. SLOPE CALCS (SEE: CONTOURS), SUBGRADE INSP. REQ'D.

13. USE FIELD DUE TO ITOPOGRAPHY AND SPACE OF LOT WITH RESPECT TO LOCATION AND

ELEVATION OF RESIDENCE (310 CMR 15.240)

14. USE 2% MIN. SLOPE OVER SAS

- CLEAR TOP AND S\UB TO 24" MIN. AS NEEDED (INSPECTION REQUIRED)

- CLEAR PAST BASE OF B (MIN. 24") & SCARIFY UNDER BED PRIOR TO TITLE V SAND/STONE PLACEMENT. - EXCAVATE EXISTIING LOAM, SUB AND ANY EXISTING DEBRIS, DIRTY FILL OR PRIOR SYSTEM IF PRESENT.

SOIL EVALUATION BY A. WEISS, RS. (E. BOKINA, BOH AGENT, 07.15.2009).

- DEPTH OF PERC. 416"

- PERC RATE = <2 MIN/IN,

- CLASS 1 SOIL RATING

16. NO TREES WITHIN 110 FT. OF NEW LEACH FIELD.

17. ENGINEER & TOWN TO INSPECT SUBGRADE, TOWN AND ENGINEER INSPECT AT FINAL.

18. BM=100.00 @ (WALK(OUT DOOR SILL, as noted), CONFIRM PROPER PIPE SLOPES - USE/INSPECT SCHI. 40 PIPE FOR PIPE FROM HOUSE TO NEW OR EXISTING TANK

19. GRADE MULCH AND) SEED OVER SAS AS NOTED.

20. INSTALLATION IN LOW GROUNDWATER SEASON RECOMMENDED

21. USE OBSERVATION PORT NEAR CENTER OF STONE BED HAVE 4" PERFORATED, PVC INSPECTION PORTALS TO BOTTOM OF STIONE BED, WITH RISER TO 3" OF SURFACE & THREADED CAP & MARK WITH RE-BAR.

TEST PIT LOG:					SOIL EVALUATOR:			D	DATE OF EVALUATION:
	IEST FIT LOG.					A. WEISS, RS			07.15.2009
TP-1 EFF. ELEV: 94.0' EFF.			TP-2 @ PERC						
DEPTH:	HORIZ:	TEXTURE:	(COLOR (MUNSELL):	MATERIAL:	DEPTH:		TEXTURE:	COLOR (MUNSELL):	MATERIAL:
0-8"	Α	FSL	10 YR 3.3	FRIABLE	0-8"	Α	FSL	10 YR 3.3	FRIABLE
7-22"	Bw	LS	10 yr 4.6	F. SAND	7-22*	Bw	LS	2.5Y 5.6	HARD MASSIVE
22-120"	C1	S	10 YR 5.6	MED. SAND, SOME COARSE	22-68"	C1	S	2.5Y 6.2	MÉD. SAND
				5% COBBLES					
OXIDES		1	90"	OBSERVED 7.5 YR 5.8	OXIDES	<u> </u>	1		
EHWT:			90" = 86.5	0'	EHWT:			anderson A Filiphon as a service and service and service and	
STANDING H2O: NOT OBSERVED		ERVED	STANDING H2O: NOT		NOT OB:	SERVED			
WEEPIN	IG:	61			WEEPING:		NOT OBSERVED		
BEDRO	CK:		120"+	A ST AND CONTROL OF THE ST STREET, ST.	BEDRO	CK:		120" -126	<u>6</u> +

SEPTIC SYSTEM REPAIR PLAN FOR LEE BARSTOW 1040 BAY ROAD

AMHERST, MA

Cold Spring Environmental Consultants Inc. 350 Old Enfield Road

Belchertown, W.A. 01007 PJFO.NC: (413) 3:23-5957 FAX: (413) 323-14916 c-Mail: AEWEISS@charter.net DRAWN BY ALAN WEISS 07.23.2009 DRAWING NUMBER: 109-3198-0715 1"=30"



COMMONWEALTH OF MASSACHUSETTS Board of Health, Amhest, MA., MA.

APPLICATION FOR DISPOSAL S	YSTEM CONSTRUCTION PERMIT
Application for a Permit to Construct() Repair() Upgrade() Ab	
Location 1840 Bay Rd.	Owner's Name Lee Berstey
Map/Parcel# 30A - 24	Address 1040 BAy PD.
Lot# # 24	Telephone# 427 - 12.78
	Designer's Name Alau Weiss
A Millian	
THITEST, NA.	Tally Or Jours, et 117.
73: 110	Telephone# 323-5957
Type of Building Residure	Lot Size sq. ft. (per Assesses) . Garbage grinder (A)
Other - Type of Building	No. of personsShowers (), Cafeteria ()
Other Fixtures	50
Plan: Date 773 09 Number of sheets	esign flow 550 Design flow provided 56 gpd
Title System Repair Plas	Revision Date
Description of Soil(s) (1055 1: F- Mrd . Sou	d.
Soil Evaluator Form No Name of Soil Evalua	tor A. Weiss Date of Evaluation 7 15 09
	E . 1301E 129
DESCRIPTION OF REPAIRS OR ALTERATIONS New 1	.Field.
Inspections	
No COMMONWEALTH (OF MASSACHUSETTS FEE
Board of Health	, MA.
ATTRIBUTED AND THE PROPERTY OF AND ALL OF AN	
	F COMPLIANCE
Description of Work:	•
The undersigned hereby certify that the Sewage Disposal System; Co	
by:at	
	.00 (Title 5) and the approved design plans/as-built plans relating to
Installer	
Designer: Inspector:	Date:
The issuance of this permit shall not be construed as a guarantee that	t the system will function as designed.
	FEE
COMMONWEALTH (OF MASSACHUSETTS
	ONSTRUCTION PERMIT
DISPUSAL STSIEM CO	JNSIKUCIION PERPIII
Permission is hereby granted to; Construct() Repair() U	pgrade() Abandon() an individual sewage disposal system
at	as described in the application for

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

__ Board of Health _

Disposal System Construction Permit No. ______, dated ___

Date ____



COLD SPRING ENVIRONMENTAL CONSULTANTS INC.

· Percolation Tests

· Second Opinions

• Regulatory Compliance

· Recycling and Solid Waste

• Septic Designs

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

July 23, 2009

Amherst Conservation Commission Town Hall Amherst, MA 01002

RE:(Map 30A, Lot 24) # 1040 Bay Road, Septic Repair, Request for Determination, CSEC Proj., No. 109-3198-0715

Dear Sir/Madam

Enclosed please find the **Septic Repair Plan** for the Repair of the subsurface Disposal System for the above mentioned property. The existing system is to be replaced. **The no work line (50 feet)** is delineated from the BVW using properly buried (6"), staked silt fence with straw bale backing (Or equivalent). All above noted locations are referenced on the Figure 1: Site Locus Map and Figure 2: Site Construction Plan, attached.

The Health Department has been contacted for proper septic permits. Wetland delineation was based on our own observation of typical hydrophytic species, topography and hydrology observed in the field and in the presence of the agent for the Board of Health. 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 (50') as well as follow-up mulching and seeding of wetland buffer & frontyard margins. The septic meets the minimum (310 CMR 15.00) setback of >50 feet (54+ feet noted). The work area in the buffer zone would be limited to less than 1,200 square feet. *No 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.

Sincerely,

Cold Spring Environmental Consultants, Inc.

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

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 Investigations •21E Site Investigations

350 Old Enfield Rd. Belchertown, MA 01007 (413) 323-5957 & 323-4916 (FAX)

*Pollution Remediation *Percolation Tests and

Septic Designs

Date: 7-15-09

Commonwealth of Massachusetts

Soil Suitability Assessment for On-site Sewage Disposal

Performed By: A. Weiss Witnessed By: E. Boking	Date: 7 (15/09
Location Address or Local 1040 Bay Rd.	Owner's Name. Lee Borstow Address, and Telephone 1 1040 BAY RD.
New Construction Repair	
Office Review	1
Published Soil Survey Available: No 🗌 Yes 🛚	
Year Published Publication Scale Drainage Class Soil Limitations	Soil Map Unit
Surficial Geologic Report Available: No Yes	3
Year Published Publication Scale	е
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 Belew Normal	
Other References Reviewed:	



*				
,				
	ž.			

Location Address or Lot No.	1040	Bey	RI.	41	
-----------------------------	------	-----	-----	----	--

COMMONWEALTH OF MASSACHUSETTS

Amherst , Massachusetts

	Percolation T	'est*
Date: 7	15/09	Time:,
Observation Hole #	#6 P,	
Depth of Perc	46"	
Start Pre-soak	9:15	Par
End Pre-soak	9:30	27/
Time at 12"	9130	20
Time at 9"	9:31	18/25
Time at 6"	9:32	0 0.
Time (9"-6")	and the second s	1
Rate Min./Inch	42	1//

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

	, , , , , , , , , , , , , , , , , , , ,
Site Passed Site Faile	d 🗍
Performed By: A. Weig	<
Witnessed By: Boy	
Commente	
	to see the second secon



Viet					
					~
			æ.		
	[4]				

	H			
Location Address or Lot No.	1040 Bey	e', A	Lulysi.	

On-site Review

Deep Hole Number 1 + 2 Date: 7 15 Location (identify on site plan)	
Land Use Ses. Slope (9) Vegetation 9255.	6) Z Surface Stones Net
Landform Topped.	
Position on landscape (sketch on the back) . Distances from:	
Open Water Body <u>Im + feet</u> Possible Wet Area 100 + feet Drinking Water Well 100 + feet	Drainage way

		DEEP OF	SERVA	TION HO	DLE LOG*
Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, %
0-8"1 8-22"	Bu	FSC LS	1042312	11	- Froble. F. Sud
27"-120"	_	5	10723/4	1//	-Med, Soud, Some course. 5% Cobbles, Loose.
	_	Fsc			
8-77"	B	LS			-Fire Soud
22">60"	C	5	4		- Med - Couse Sue J.
			100		,
* MINIMUM	OF 2 HOLES RE	QUIRED AT EVE	BY PROPOSE	DISPOSALA	

Parent Material (geologic) Depth to Groundwater: Standing Water in the Hole: NOT Nor Weeping from Pit Face:

Estimated Seasonal High Ground Water:



DEP APPROVED FORM - 12/07/95

F .	
4	

Location Address or Lot No. 1040 Bay Rd.

Determination for Seasonal High Water Table

Method Used:	
Depth observed sta Depth weeping from Depth to soil mottle Ground water adjus	nding in observation hole inches inches inches s. 90 inches inches inches
Index Well Number	Reading Date Index well level
Adjustment factor	Adjusted ground water level
Depth of Naturally Occurring P	ervious Material
econ vod amodgilodi tile	of naturally occurring pervious material exist in all area area proposed for the soil absorption system?
Certification I certify that on	(date) I have passed the soil evaluator examination ent of Environmental Protection and that the above analysistent with the required training, expertise and experience 5.017. Date
	ALAN E. WEISS NOT BEEF HERE. #933 NOTES



	*		
*			

:14711/es CH \$ 29 TOWN OF AMHERST PERC TEST DATA SHEET DATE 8/19/93 LOCATION 1040 BAY Road LOT SIZE OWNER WALTER DENNY ADDRESS 1040 BAY ROAD TELE #253-5260 P.E./RS Fred Filio's FIRM Filios ENTAMISES OBSERVED BY DAVID ZAMINS M. BACK HOE OPERATOR _____ BENCH MARK ____ PERC DEPTH 59 PRE SOAK TIME _____ PERC DEPTH ___ PRE SOAK TIME ___ TEST RATE RATE 4 Bedrooms NU G/G Town WATER TOP /2 SUB 30 SUB 29 5/1997 / KLAM gred 10'6" TOP TOP SUB SUB 4 Bedroom Rung TOP TOP SUB SUB



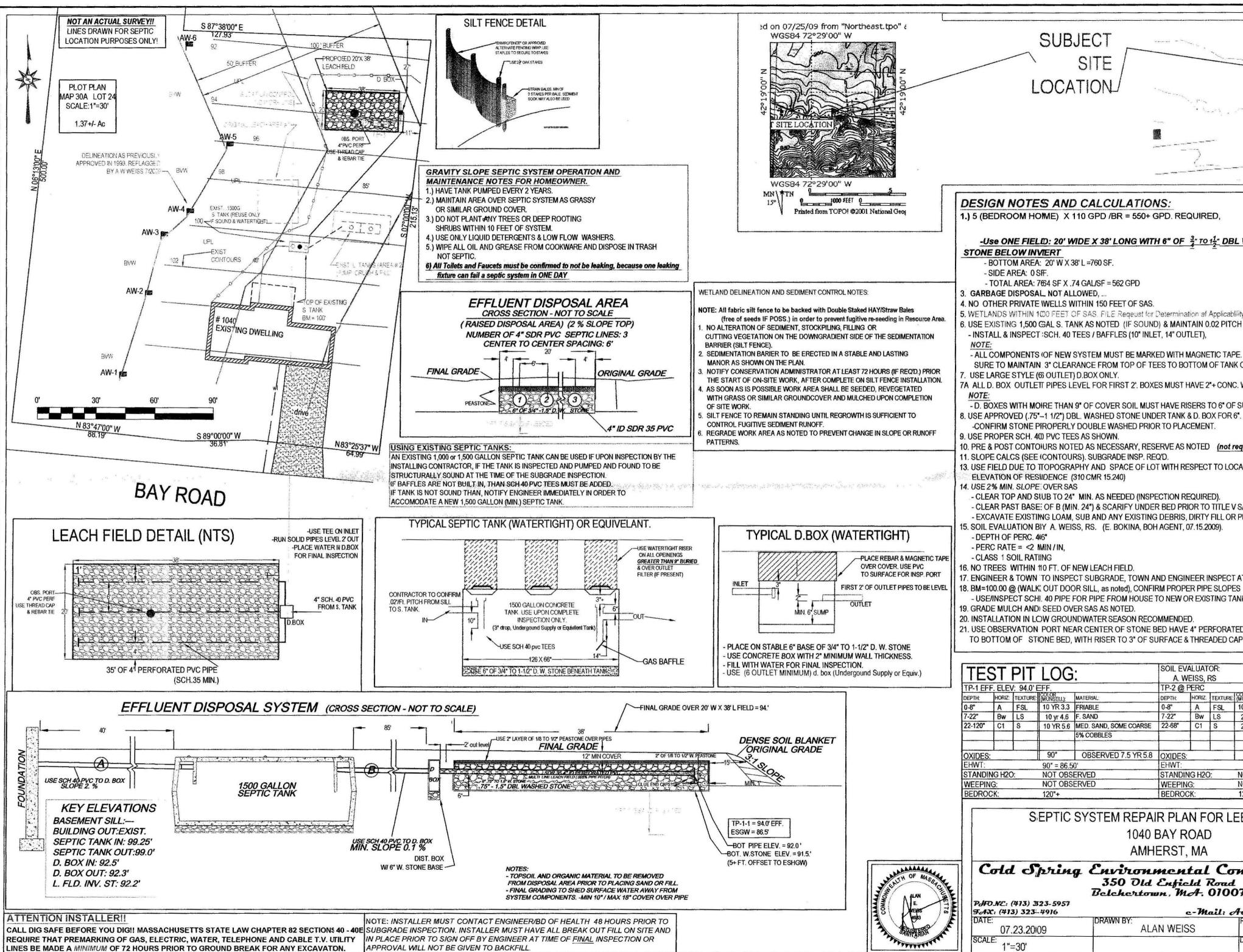
Deep Soil Logs

Filios Enterprises, Inc.

69 Pelham Rd., Amherst MA 01002, (413) 256-8008

Owner:	Walter Denny	Date: _	August	19, 1993
Location:	1040 Bay Rd.			arozinski
	Amherst, MA			
HI				4
0-18"	Topsoil			÷
18"-30"	Subsoil			
1000				
10'6"			ľ	
	Medium and Coarse Sand			
30"-10'6"	Slightly firm			
	Gleyed Fine Sand @ 106"			
Ground Wate		Ground	Worter	
H2		0.00110	Walsi	
0 - 12"	Topsoil			
12"-29"	Subsoil			
1 21				
1/0"		•		
1'8"	Medium and Coarse Sand			
29"-11'8"	slightly Firm			
				*
Ground Wate	None None	Ground	Weta	
		CIUUIIU	Marai	
	Rate at: <u>59"</u>			
<u><2</u> min	n./inch			

•				
			2	
	*			



SUBJECT LOCATION



1.) 5 (BEDROOM HOME) X 110 GPD /BR = 550+ GPD. REQUIRED

-Use ONE FIELID: 20' WIDE X 38' LONG WITH 6" OF 3" TO 11" DBL WASHED

- BOTTOM AREA: 20' W X 38' L =760 SF.
- SIDE AREA: 0 SIF.
- TOTAL AREA: 7664 SF X .74 GAL/SF = 562 GPD
- B. GARBAGE DISPOSAL NOT ALLOWED,
- 4. NO OTHER PRIVATE WELLS WITHIN 150 FEET OF SAS.
- 5. WETLANDS WITHIN 1000 FEET OF SAS, FILE Requist for Determination of Applicability with Conservation Comm
- 5. USE EXISTING 1.500 GALS. TANK AS NOTED (IF SOUND) & MAINTAIN 0.02 PITCH FROM SILL TO S. TANK
- INSTALL & INSPECT: SCH. 40 TEES / BAFFLES (10" INLET, 14" OUTLET).
- ALL COMPONENTS (OF NEW SYSTEM MUST BE MARKED WITH MAGNETIC TAPE, BE
- SURE TO MAINTAIN. 3" CLEARANCE FROM TOP OF TEES TO BOTTOM OF TANK COVERS & BOXES.
- USE LARGE STYLE (6) OUTLET) D.BOX ONLY.
- 7A ALL D. BOX OUTLETT PIPES LEVEL FOR FIRST 2', BOXES MUST HAVE 2"+ CONC. WALLS
- D. BOXES WITH MOIRE THAN 9" OF COVER SOIL MUST HAVE RISERS TO 6" OF SURFACE.
- -CONFIRM STONE PIROPERLY DOUBLE WASHED PRIOR TO PLACEMENT.
- 9. USE PROPER SCH. 400 PVC TEES AS SHOWN.
- 10. PRE & POST CONTOIURS NOTED AS NECESSARY, RESERVE AS NOTED (not required for repairs)
- 11. SLOPE CALCS (SEE (CONTOURS). SUBGRADE INSP. REQ'D.
- 13. USE FIELD DUE TO TROPOGRAPHY AND SPACE OF LOT WITH RESPECT TO LOCATION AND
- ELEVATION OF RESIDENCE (310 CMR 15.240)
- 14. USE 2% MIN. SLOPE: OVER SAS
- CLEAR TOP AND SUB TO 24" MIN. AS NEEDED (INSPECTION REQUIRED).
- CLEAR PAST BASE: OF B (MIN. 24") & SCARIFY UNDER BED PRIOR TO TITLE V SAND/STONE PLACEMENT. - EXCAVATE EXISTING LOAM, SUB AND ANY EXISTING DEBRIS, DIRTY FILL OR PRIOR SYSTEM IF PRESENT.
- 5. SOIL EVALUATION BY A. WEISS, RS. (E. BOKINA, BOH AGENT, 07.15.2009).
- DEPTH OF PERC. 46"
- PERC RATE = <2 MIN/IN,
- CLASS 1 SOIL RATING
- 6. NO TREES WITHIN 110 FT. OF NEW LEACH FIELD.
- 17. ENGINEER & TOWN TO INSPECT SUBGRADE, TOWN AND ENGINEER INSPECT AT FINAL.
- 18. BM=100.00 @ (WALK: OUT DOOR SILL, as noted), CONFIRM PROPER PIPE SLOPES
- USE/INSPECT SCHI. 40 PIPE FOR PIPE FROM HOUSE TO NEW OR EXISTING TANK
- 19. GRADE MULCH AND) SEED OVER SAS AS NOTED.

120"+

- 20. INSTALLATION IN LOW GROUNDWATER SEASON RECOMMENDED. 21, USE OBSERVATION PORT NEAR CENTER OF STONE BED HAVE 4" PERFORATED, PVC INSPECTION PORTALS
- TO BOTTOM OF STIONE BED, WITH RISER TO 3" OF SURFACE & THREADED CAP & MARK WITH RE-BAR.

TEST PIT LOG:					SOIL EV	VEISS, I		The state of the s			
TP-1 EFF. ELEV: 94.0' EFF.				TP-2 @ PERC							
DEPTH:	HORIZ:	TEXTURE:	COLOR (MUNSELL):	MATERIAL:	DEPTH:	HORIZ:	TEXTURE:	(MUNSELL):	MATERIAL:		
0-8"	Α	FSL	10 YR 3.3	FRIABLE	0-8"	A	FSL.	10 YR 3.	3 FRIABLE		
7-22"	Bw	LS	10 yr 4.6	F. SAND	7-22"	Bw	LS	2.5Y 5.6	6 HARD MASSIVE		
22-120"	C1	S	10 YR 5.6	MED. SAND, SOME COARSE	22-68"	C1	S	2.5Y 6.2	MED. SAND		
	-		4.00	5% COBBLES							
OXIDES:	DXIDES: 90" OBSERVED 7.5 YR 5.8		OXIDES	<u> </u>			-				
EHWT: 90" = 86.50'			EHWT:	EHWT:							
STANDI	NG H2C):	NOT OBS	ERVED	STANDI	NG H2C):	NOT OF	BSERVED		
WEEPIN	G:		NOT OBS	ERVED	WEEPIN	VG:		NOT OF	BSERVED		

SEPTIC SYSTEM REPAIR PLAN FOR LEE BARSTOW 1040 BAY ROAD AMHERST, MA

BEDROCK:

120" -126+

Cold Spring Environmental Consultants Inc. 350 Old Enfield Road Belchertown, M.A. 01007

PAFO.NC: (413) 323-5957 FAX: (413) 323-4916 e-Mail: AEWEISS@charter.net DRAWN BY **ALAN WEISS** 07.23.20109 DRAWING NUMBER: 109-3198-0715 1"=30"

On-Site Review

Deep Hole Number:	#
-------------------	---

Date: 7-15-09 Time: 9:00

Weather: Sinny

Land Use:

Location (identify on site plan): Vegetation:

Slope (%): Surface Stones:

Land Form: Distance From:

Open Water Body

Position of Landscape:

Feet

Drainage way

Feet

Possible Wet Area Drinking Water Well

Feet Feet Property Line Other

Feet Feet

TP(I)	I	EEP OBSERVA			
Depth From Surface (INCHES)	Soil Horizon	Soil Texture (USDA)	Soil Color (MUNSELL)	Soil Mottling	Other: Structure, Stones, Boulders, Consistency, % Gravel
0-8	FSL	Friable	107R 3/2		
8-22"	L5	Fine sand	10 YR 4/6		
22-1201	5	Med sand	10×1 96		5% Colddes
					7

Parent Material (geologic) 7.5 x R 5 k Depth to Groundwater: The Sta

Standing Water in the Hole: NO

Estimated Seasonal High Ground Water: 90" Mast

Depth to Bedrock:

Weeping from Pit Face: Moist

TP	D	EEP OBSERVA	TION HOLE LO	G	
Depth From Surface (INCHES)	Soil Horizon	Soil Texture (USDA)	Soil Color (MUNSELL)	Soil Mottling	Other: Structure, Stones, Boulders, Consistency, % Gravel
*					
	*	* *			

Parent Material (geologic)

Depth to Groundwater:

Standing Water in the Hole:

Estimated Seasonal High Ground Water:

Depth to Bedrock: Weeping from Pit Face:

Certification: I certify that in	I passed the soil evaluator examination approved by the Department of
Environmental Protection and that the above	e analysis was performed by me consistent with the required training, expertise and
experience described in 310 CMR 15.017.	SE Certification #

1040 AMHERST PUBLIC HEALTH DEPARTMENT 70 Boltwood Walk, Amherst MA 01002 Telephone: 413-259-3077 1500 gal Site Suitability for On-Site Sewage Disposal Date: 7-15-09 Equipment Operator: Adaiv Site Address Client Name & Address Amherst, MA 01002 Mr. Benerly (Lee) Barston Same cell# 413 927-1278 Lee Barstow@gmail.com New Construction · Repair . OFFICE REVIEW NO. YES. Publication Scale Soil Map Unit Drainage Class Soil Limitations NO. YES. Publication Scale Geographic Material (Map Unit) Landform Above 500 year flood Boundary. Within 500 year flood Boundary. Within 100 year flood Boundary. National Wetland Inventory Map (Map Unit) Wetlands Conservacy Program Map (Map Unit) Current Water Resource Conditions (USGS): Above Normal · Below Normal · Normal · Percolation Test Results Time Measurment Time Measurment 46" Begin Saturation End Saturation 9" depth 9:31 Measurement 6" depth Measurement Elapsed Time 9" to 6" Percolation Rate: Bottom of Percolation Test Hole: 46" Bottom of Percolation Test Hole: Determination for Seasonal High Water Table ☐ Depth observed standing on observation hole inches ☐ Depth weeping from side of observation hole _____ inches

☐ Ground water adjustment inches

Index Well Level

Project Number:

Performed By: Alan Weiss Health Inspector: Boking

Published Soil Survey Available:

Year Published

Year Published

Flood Insurance Rate Map:

Other References-Reviewed:

TP#1

Wetland Area:

Begin Saturation

End Saturation 9" depth

Measurement

Measurement

Elapsed Time

Method Used

Index Well Number

Adjustment Factor

absorption system?

6" depth

9" to 6" Percolation Rate:

Surficial Geologic Report Available:

Range:

☐ Depth to soil mottles inches

Depth of Naturally Occurring Pervious Material

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

9:30

9:32

Reading Date

Adjusted ground water level

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

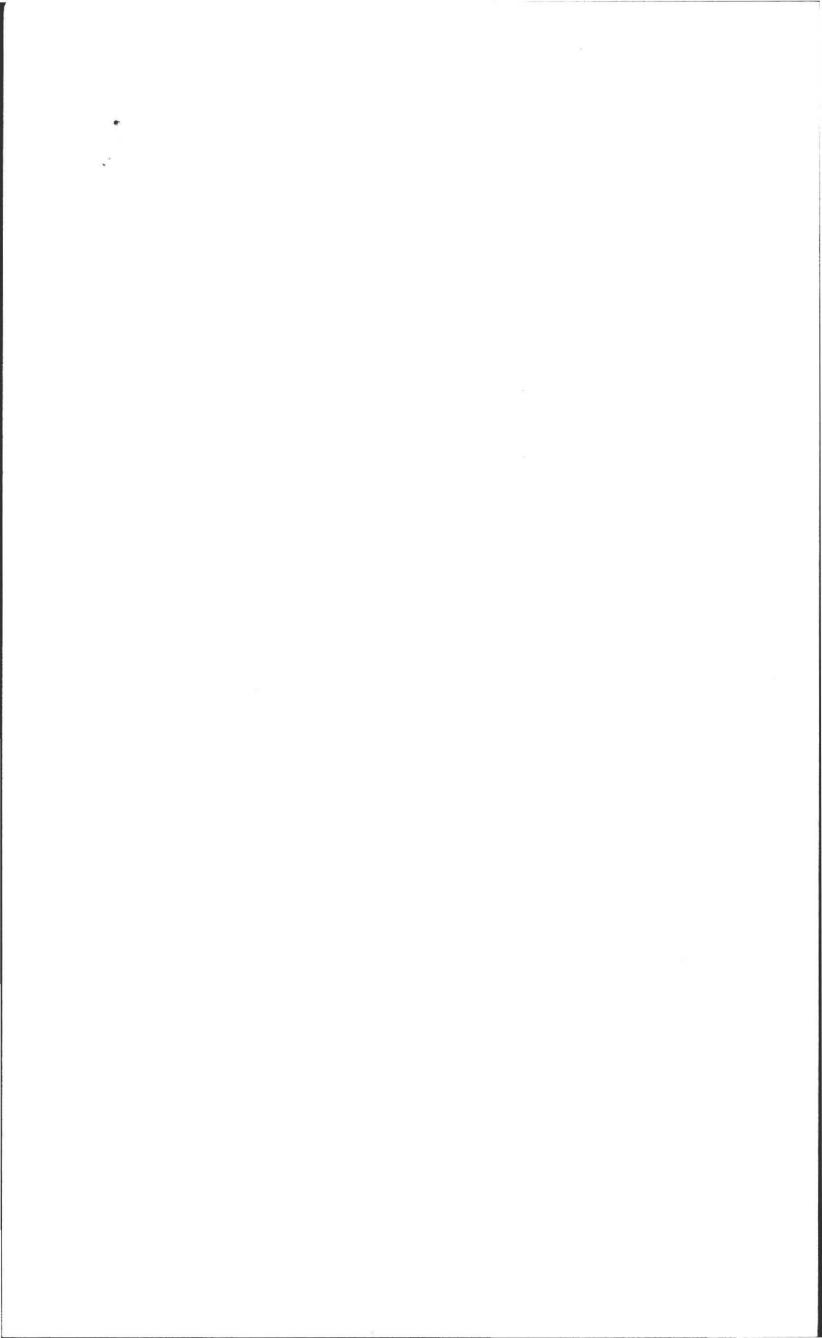
Bay Rd Not pd

* *			
No			

COMMONWEALTH OF MASSACHUSETTS

Board of Health, Amhest, MA., MA. APPLICATION FOR DISPOSAL SYSTEM CONSTRUCTION

Location 1840 Bay Rd.	Owner's Name Lee Berstew
Location 1840 Bay Rd. Map/Parcel# 30A - Z4	Address 1040 BALLY RD.
Lot# # 24	Telephone# 427 - 12.78
Installer's Name Leb Adolair	Designer's Name Alau 100135
TED IMMAIL	1 , , , , , , , , , , , , , , , , , , ,
ITIVILOST, NA.	ishiponous, appr.
) 1	
ype of Building ReSidur	P Lot Size sq. ft Com. (per Assesses) . Garbage grinder (A)
Other Fixtures	No. of persons Showers (), Cafeteria (
Design Flow (min, required) gpd Cald	culated design flow 550 Design flow provided 562 gp
Plan: Date 7-123 09 Number of shee	rts Revision Date
sile Syptic System Repair P	las
Description of Soil(s) Class 1' F- Mrd.	Soud.
oil Evaluator Form No Name of Sc	oil Evaluator A. Weiss Date of Evaluation7 15 09
	E. BOKING.
DESCRIPTION OF REPAIRS OR ALTERATIONS	w L. Field
	dual Sewage Disposal System in accordance with the provisions of TITLE 5 and Certificate of Compliance has been issued by the Board of Health.
signed	
nspections	≥ᡚ_
	m Z
IoCOMMONIVITA	ALTH OF MASSACHUSETTS
Board of Health,	, MA.
CERTIFICA	ATE OF COMPLIANCE
Description of Work: ☐ Individual Component(s) ☐ Co	
	stem; Constructed (), Repaired (), Upgraded (), Abandoned ()
у:	
ıt	
	CMR 15.00 (Title 5) and the approved design plans/as-built plans relating to
pplication No, dated	
nstallerInspector	: Date:
Designer: inspector	Datc
The issuance of this permit shall not be construed as a guar	antee that the system will function as designed.
The issuance of this permit shall not be construed as a guara	antee that the system will function as designed.
	*
No	FEE
No	ALTH OF MASSACHUSETTS
COMMONWEA	FEE
No COMMONWEA Board of Health,	ALTH OF MASSACHUSETTS
COMMONWEA Board of Health, DISPOSAL SYSTE	ALTH OF MASSACHUSETTS, MA. EM CONSTRUCTION PERMIT
COMMONWEA Board of Health, DISPOSAL SYSTE	ALTH OF MASSACHUSETTS, MA.
COMMONWEA Board of Health, DISPOSAL SYSTE Permission is hereby granted to; Construct() Repair	ALTH OF MASSACHUSETTS, MA. EM CONSTRUCTION PERMIT
COMMONWEA Board of Health, DISPOSAL SYSTE Permission is hereby granted to; Construct() Repai	ALTH OF MASSACHUSETTS
COMMONWEA Board of Health, DISPOSAL SYSTE Permission is hereby granted to; Construct() Repairat Disposal System Construction Permit No.	ALTH OF MASSACHUSETTS
Board of Health, _ DISPOSAL SYST! Permission is hereby granted to; Construct() Repair at Disposal System Construction Permit No	ALTH OF MASSACHUSETTS





COLD SPRING ENVIRONMENTAL CONSULTANTS INC.

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

July 23, 2009

Amherst Conservation Commission Town Hall Amherst, MA 01002

RE:(Map 30A, Lot 24) # 1040 Bay Road, Septic Repair, Request for Determination, CSEC Proj., No. 109-3198-0715

Dear Sir/Madam

Enclosed please find the **Septic Repair Plan** for the Repair of the subsurface Disposal System for the above mentioned property. The existing system is to be replaced. **The no work line (50 feet)** is delineated from the BVW using properly buried (6"), staked silt fence with straw bale backing (Or equivalent). All above noted locations are referenced on the Figure 1: Site Locus Map and Figure 2: Site Construction Plan, attached.

The Health Department has been contacted for proper septic permits. Wetland delineation was based on our own observation of typical hydrophytic species, topography and hydrology observed in the field and in the presence of the agent for the Board of Health. 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 (50') as well as follow-up mulching and seeding of wetland buffer & frontyard margins. The septic meets the minimum (310 CMR 15.00) setback of >50 feet (54+ feet noted). The work area in the buffer zone would be limited to less than 1,200 square feet. No 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.

Sincerely,

Cold Spring Environmental Consultants, Inc.

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

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

					8
18					
*					
•					
				*	



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 Investigations •21E Site Investigations

350 Old Enfield Rd. Belchertown, MA 01007 (413) 323-5957 & 323-4916 (FAX)

•Pollution Remediation

Date: 7-

*Percolation Tests and Septic Designs

Commonwealth of Massachusetts

Soil Suitability Assessment for On-site Sewage Disposal

Witnessed By: E. Boking	Date: 7 [15/09
Location Address or Local Bay Rd. New Construction Repair	Owner's Name. Lee Borstow Address, and Telephone 1 1040 BAY RD.
Office Review	
Published Soil Survey Available: No Yes [
Year Published Publication Scale Drainage Class Soil Limitations Surficial Geologic Report Available: No Yes	Soil Map Unit
Year Published Publication Scal Geologic Material (Map Unit) Landform Flood Insurance Rate Map:	le
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 Belevy Normal	
Other References Reviewed:	



			¢

Location Address or Lot No. 1040 Bey Rd.

COMMONWEALTH OF MASSACHUSETTS

Amherst, Massachusetts

	Percolation Tes	t^*
Date: 7	15 on T	ime:,
Observation Hole #	# P,	
Depth of Perc	46"	
Start Pre-soak		Par
End Pre-soak	9:15	3/
Time at 12"	9:30	2/1/2
Time at 9"	9:30	12/2
Time at 6"	9:31	10,0
Time (9"-6")	9:32	1
Rate Min./Inch	42	
	47	11//

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

					, , , , , , , , ,
Site Passed	Site Failed				
Performed By:	A. Weisr	***************************************	***************************************	***************************************	
147.					
Commonte			-9 -2 W March 10 - 10 - 1		
				the second of the second of	to seems over hear on the con-



a.			

	#		
Location Address or Lot No.	1040 Bey	R', Ambrest.	

On-site Review

Deep Hole Number / +2 Date: 7/15 Location (identify on site plan)	log Time: 900 Weather Sow 765
Land Use <u>Ses.</u> Slope (% Vegetation <u>9255.</u>	6)ZSurface StonesNet
Landform Toxal,	
Position on landscape (sketch on the back) . Distances from:	
Open Water Body <u>for F</u> feet Possible Wet Area 100 1 feet Drinking Water Well 160 1 feet	Drainage way

		DEEP OF	SERVA	TION HO	DLE LOG*
Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, %
0-81	Α.	FSC	1644312		- Frioble,
8-22"	Bu	LS	104246	1//	F. Sucl.
277-120"	_	5	10-23/4	715427/8	-Med, Soud, Some course. 5% Cobibles, Loose.
					5% Cubistis, Loose
12 - S - L	A	Fsc			- France
0-8"	B	LS			-Fire Sund
8-77"					- 1
22"->60"	C	5	U		- Med - Couse Sue J.
				.	
					*
* MINIMUM	OF 2 HOLES RE	DUIRED AT EVE	AY PROPOSED	DISPOSAL A	07.1

Estimated Seasonal High Ground Water: 90°



DEP APPROVED FORM - 12/07/95

*			

Location Address or Lot No. 1040 Bay Rd.
--

Determination for Seasonal High Water Table

Method Used:
Depth observed standing in observation hole inches Depth weeping from side of observation hole inches Depth to soil mottles 96 inches Ground water adjustment feet
Index Well Number
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 area observed throughout the area proposed for the soil absorption system? If not, what is the depth of naturally occurring pervious material?
Certification I certify that on
ALAN E. WEISS NEEL #933 NE



9.		
*		

·14miles.	G
TOWN OF AMHERST PL CUA!	72
PERC TEST DATA SHEET 160	つ,
DATE 8/19/93 LOCATION 1040 BAY Rond 1000 STATE . 8/11	9/
OWNER WATTER LENNY ADDRESS 1041 ROX ?	
P.E./RS Fred Filio's FIRM Filios Entanties OBSERVED BY DAVID Zamusia	56
BACK HOE OPERATOR BENCH MADE	7.
PERC DEPTH 59 PRE SOAK TIME PERC DEPTH PRE SOAK TIME	
TESTPRE SOAK TIMEPRE SOAK TIME	
CAPILLE	_
CAMILIA	-
	-
RATE (2)	
RATE	
#1 #2 4 Bedrooms NO G/G Town WATER	
TOP /2	7
SUB 30 SUB 29	
slight form	
Med Coarse Spre	
Gred 10'6" 118"	
1, 24,	
TOP TOP 2 - 30	1
SUB SUB	,
Pac il	
7 1	
I plikatet:	
43-drocm Rung	
TOP	
SUB SUB	
305	
8017	
BAY ROAD	

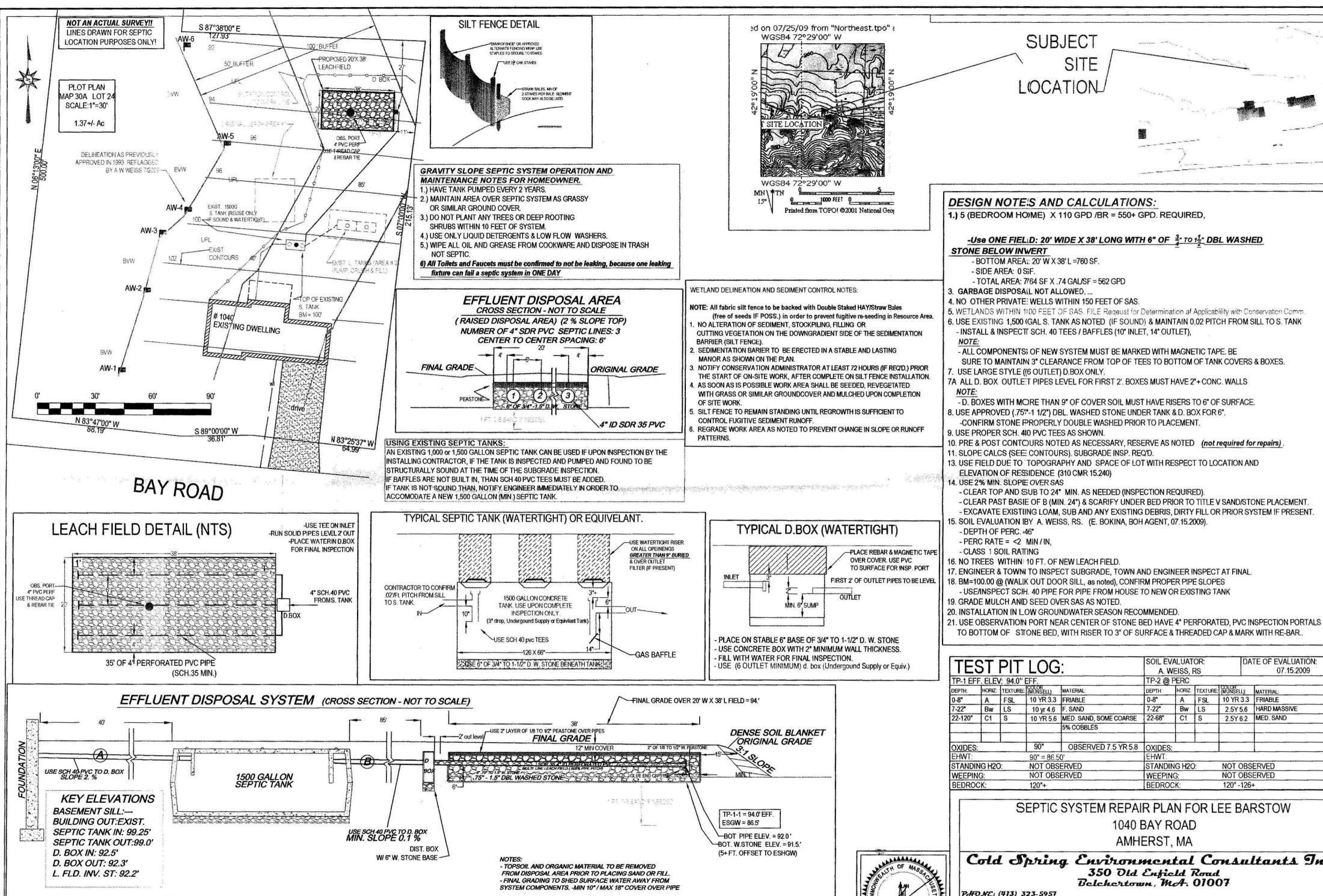
et .	
*	
v.	

Deep Soil Logs
Filios Enterprises, Inc.

69 Pelham Rd., Amherst MA 01002, (413) 256-8008

Owner:	Walter Denny	Date:	Augus+	19, 1993
Location:	1040 Bay Rd.	B. of H.	David Za	rozinski
, 8	Amherst, MA			
. 11.				
H1	Tracil			
	Topsoil			
18"-30"	Subsoil			
		1		
10'6"	Medium and Coarse Sand			
30"-106"	Slightly firm			
	Gleyed Fine Sand @ 106"			
Ground Wate	None None	Ground	Water	
H2	Toosil			
0 - 12"				
12"-29"	Subsoil			
		1		
1'8"	Medium and Coarse Sand			
29"-11'8"	slightly Firm	1		
Ground Wate	None None	Ground	Water .	
Percolation F	Rate at: <u>59"</u>			
, 0	n./inch			

		~
•		



NOTE: INSTALLER MUST CONTACT ENGINEER/BD OF HEALTH 48 HOURS PRIOR TO

APPROVAL WILL NOT BE GIVEN TO BACKFILL.

CALL DIG SAFE BEFORE YOU DIG!! MASSACHUSETTS STATE LAW CHAPTER 82 SECTIONS 40 - 40E SUBGRADE INSPECTION. INSTALLER MUST HAVE ALL BREAK OUT FILL ON SITE AND REQUIRE THAT PREMARKING OF GAS, ELECTRIC, WATER, TELEPHONE AND CABLE T.V. UTILITY IN PLACE PRIOR TO SIGN OFF BY ENGINEER AT TIME OF FINAL INSPECTION OR

ATTENTION INSTALLER!

LINES BE MADE A MINIMUM OF 72 HOURS PRIOR TO GROUND BREAK FOR ANY EXCAVATION.

-Use ONE FIELID: 20' WIDE X 38' LONG WITH 6" OF 3" TO 11" DBL WASHED

- 5. WETLANDS WITHIN 1100 FEET OF SAS. FILE Request for Determination of Applicability with Conservation Comm
- SURE TO MAINTAIN 3" CLEARANCE FROM TOP OF TEES TO BOTTOM OF TANK COVERS & BOXES.

- 10. PRE & POST CONTOURS NOTED AS NECESSARY, RESERVE AS NOTED (not required for repairs).

- TO BOTTOM OF STONE BED, WITH RISER TO 3" OF SURFACE & THREADED CAP & MARK WITH RE-BAR...

TEST PIT LOG:					SOIL EVALUATOR: A. WEISS, RS			DATE OF EVALUATION: 07.15.2009	
TP-1 EF	F. ELE\	/: 94.0" I	EFF.		TP-2 @	PERC		zamnara wez	
DEPTH:	HORIZ:	TEXTURE:	(MUNSELL):	MATERIAL:	DEPTH:	HORIZ:	TEXTURE:	(MUNSELL	L): MATERIAL:
0-8"	Α	FSL	10 YR 3.3	FRIABLE	0-8"	Α	FSL	10 YR 3	3.3 FRIABLE
7-22"	Bw	LS	10 yr 4.6	F. SAND	7-22"	Bw	LS	2.5Y 5	6.6 HARD MASSIVE
22-120"	C1	S	10 YR 5.6	MED. SAND, SOME COARSE	22-68"	C1	S	2.5Y 6	6.2 MED. SAND
				5% COBBLES					
OXIDES: 90" OBSERVED 7.5 YR 5.8		OXIDES	: :						
EHWT: 90" = 86.50'			90" = 86.50' EHWT:						
STANDING H2O: NOT OBSERVED			STANDING H2O: NOT OBSERVED						
WEEPING: NOT OBSERVED		WEEPING: NOT OBSERVED				DBSERVED			
BEDROCK: 120"+			BEDROCK: 120" -126+				126+		

SEPTIC SYSTEM REPAIR PLAN FOR LEE BARSTOW

Cold Spring Environmental Consultants Inc.

PHONE: (413) 323-5957 FAX: (413) 32:3-4916	c-Mail: AEWEISS@charter.no				
DATE: 07.23.2!009	DRAWN BY: ALAN WEISS	REVISED:			
SCALE: 1"=30'		DRAWING NUMBER: 109-3198-0715			