No. 06-07

COMMONWEALTH OF MASSACHUSETTS

Board of Health, Harly Amhers, MA.

APPLICATION FOR DISPOSAL SYSTEM CONSTRUCTION PERMI

	Owner's Name Kathy Walsh
Map/Parcel# (L-1/10/2) 2/2/23	Address 3 Ladyslipper Circle.
Lot#	Telephone# 4/3, 256, 1486
Installer's Name	Designer's Name Alan Weiss RS.
Address	Address Belches town
Telephone#	Telephone# 4/3.323. 5957

Inspections _____

No. 06-07

Signed .

COMMONWEALTH OF MASSACHUSETTS

Board of Health, Ace kee St., MA.

PL C 44

CERTIFICATE OF COMPLIANCE

Description of Work: Individual Component(s) Complete System

The undersigned hereby certify that the Sewage Disposal System; Constructed (), Repaired (), Upgraded (), Abandoned ()

by:

at

And Signal Component(s) Complete System

that the Sewage Disposal System; Constructed (), Repaired (), Upgraded (), Abandoned ()

by:

at Complete System

that the Sewage Disposal System; Constructed (), Repaired (), Upgraded (), Abandoned ()

by:

at Complete System

that the Sewage Disposal System; Constructed (), Repaired (), Upgraded (), Abandoned ()

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

No. 66-07

COMMONWEALTH OF MASSACHUSETTS

Board of Health, Amkees, MA.

DISPOSAL SYSTEM CONSTRUCTION PERMIT

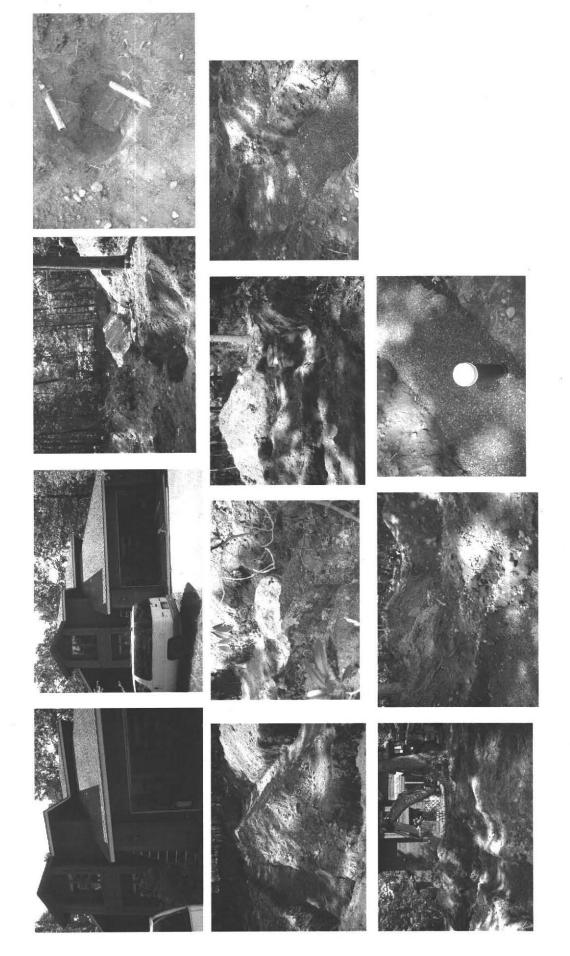
Provided: Construction shall be completed within three years of the date of this permit. All local conditions must be met.

Form 1255 Rev. 5/96 A.M. Sulkin Co. Boston, MA

Date 3/25/06 Board of Health Conffee Jeal

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3 La drolloma



FORM 11 - SOIL EVALUATOR FORM

Page 1 of 3

ALAN E. WEISS, M.S., L.S.P.

Licensed Site Professional Registered Sanitarian Hydrogeologist

President

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

•21E Site Investigations •Pollution Remediation

•Percolation Tests and

Septic Designs

Date: 5-9-06

Commonwealth of Massachusetts

Massachusetts

Soil Suitability Assessment for On-site Sewage Disposal

Performed By: A Werss Witnessed By: C. Walsh.	Date: 5/9/06
Year Published Publication Scale Drainage Class Soil Limitations Surficial Geologic Report Available: No Yes	
Year Published Geologic Material (Map Unit) Landform Flood Insurance Rate Map: Above 500 year flood boundary No Yes Within 500 year flood boundary No Yes	e
Within 100 year flood boundary No Leves Wetland Area: National Wetland Inventory Map (map unit) Wetlands Conservancy Program Map (map unit)	
Current Water Resource Conditions (USGS): Month Range: Above Normal Normal Below Normal Other References Reviewed:	



×1.

Location Address or Lot No.	3 Lucy Sypper	Crele.
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On-site Review

Deep Hole Number 1+2 Date: 5/9 Location (identify on site plan)	weather shewes to be
122d 11- 10 12d	%) Z Surface Stones Few.
Landform Terraced	
Position on landscape (sketch on the back)	and the second s
Distances from:	
Open Water Body 100 4 feet Possible Wet Area 100 4 feet Drinking Water Well 7000 feet	Drainage way <u>FOE 4</u> feet Property Line <u>SU</u> feet Other

		DEEP OF	BSERVA	TION HO	DLE LOG*
Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, %
0-7" 7"-24"	A	104R3/2	FSL LS	+	Frake.
Z4"-120"	C ,	2,544/5	CS,	Not	COARSE SAND + Gravel 20°/0 (obbb)
0-8"	A	104 x 3 1Z	FSC		:
8 - 32	BW	104024/6	LS	Not obs.	
32-120	C,	2.5	Cs.		COAFFE SAND + Brave
, MINIMUM	OF 2 HOLES RE	OUIDED AT EVE	70 70 70 70 70 70 70 70 70 70 70 70 70 7		

Parent Material (geologic) OVWIGHT TENE		(6)
Depth to Groundwater: Standing Water in the Hole:	Not	DeptiπoBedrock: W + Weeping from Pit Face: Not
Estimated Seasonal High Ground Water: [10]		\



		7 n

Location Address or Lot No. 3 Lady Slipper Cale.

COMMONWEALTH OF MASSACHUSETTS

Annorsi , Massachusetts

	Percolation	Test*		
Date:	5/9/06	Time	2:30	
Observation Hole #	P,			/
Depth of Perc	40"		Repair	
Start Pre-soak	7:35	CATUT	Less	
End Pre-soak	2:38	Held	That	
Time at 12"	2:38	Water	LZ /	
Time at 9"	2:37			
Time at 6"	2:40		. /	
Time (9"-6")	12			
Rate Min./Inch	12		u	

reserve ar	ea.
Site Passed	Site Failed
Performed By:	A.Weics
Witnessed By:	D. Zaroliski
Comments:	



	* , , ,	

Location Address or Lot No. 3 lady supper circle.	
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 120 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 observed throughout the area proposed for the soil absorption system? If not, what is the depth of naturally occurring pervious material?	areas
Certification	

I certify that on _______ (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 5-9-06





		ē

FORM 11: Soil Evaluation Form	NO:
	ealth of Massachusetts
Soil Suitability Assess	wn of <u>AMHERST</u> ment: On-Site Sewage Disposal
Performed By: AL Weis Witnessed By:	S Date: 5/9/06
F-1	
Location Address of:	Owner's Name: KAThrine Walsh !
Lot#.	Address of: 3 La dy 31 ippei Ci
	256-1486
New Construction Repair	
Office Review	
#	942
Published Soil Survey Available	? No 🗆 Yes 🗆
Prainage Class	cation Scale Soil Map Unit
Drainage Class Soil Li	imitations
Surficial Geologic Report Availal	ble? No □ Yes □
Year Published Publicati	on Scale
Geologic Material (map unit)	
Landform	
81 F	94 D
Flood Insurance Rate Map:	
Above 500 year flood bo	oundary? No D Yes D
	oundary? No D Yes D
Within 100 year flood bo	oundary? No 🗆 Yes 🔾
Wetland Area:	
National Wetland Inventory Man	(man unit)
Wetlands Conservancy Program	(map unit)
Current Water Resource Condition	ons (USGS): month
Range: Above Normal Nor	mal Below Normal
	Sec. 18

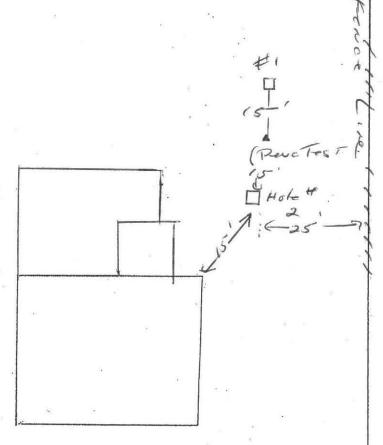
Fore 250 - Plans 125 plans 3750

Determination: Seasonal High Water Table

Methods Us	ed:		**
	epth observed standing in obsepth weeping from side of obsepth to soil mottles incl ound water adjustment	servation hole nes	inches inches
Index Well N Adjustment t	lo Reading Date actor Adjusted groun	Index We d water level	Il Level
Does	turally Occurring Previous I at least four feed of naturally in all areas observed through rption system?	occurring previo	
	t, what is the depth of naturall		ous material?
Certification		* *	
evaluator ex Protection ar the required 15.017.	t on camination approved by the nd that the above analysis was training, expertise, and exp	e Department o s performed by m	of Environmental ne consistent with
Signature Date	· · · · · · · · · · · · · · · · · · ·	: 	H
n 05. 3535 America			

		On	-Site Revie	ew					
Deep Ho Weather	le Number	(D) D)	ate: 5/9	7/06 Tir	me		VVeather	le Number	1000
Location (identify on site plan) Land Use Surface Stone Slope (%)						Location (identify on site			
Land Use	e/<	4 SI dest	a /	Slo	pe (%)	1	Land Use		
Vocateti	Stone	_		-					1
Vegetation	LAUN	Tre	- C				Vegetation	LACIA	10
	Arun	12.5	3			-		D (ND-)	+
Landforn	n;	1/			· · · · · · · · · · · · · · · · · · ·	-	Landforn	n:	
(DUT Ce.	nich Ten	are		* /			OUTE	v A
Position	on Landsca	pe (sketch or	n back)					on Landsca	ape (s
Distance		12					Distance		
(Open Water	r Body / 10	_ feet	Drainag	gewayfee	t		Open Wate	
. !	Possible We	et Ares	feet	Propert	y Line fee			Possible W	
I	Orinking Wa	ater Well	feet	Other_		-	Ī	Orinking Wa	ater v
			ren			\neg			555
depth from	soil horizon	DEEP OBSE		HOLE LOG	other		depth from	soil horizon	DEE
surface (inches)	3011 110112011	(USDA)	(Munsel)	·	(structure, stones, boulde Consistency, % gravel	ers)	surface (inches)	5011 110112011	
8	A	FSL	10 /n/3/2		Facusto		8	A	
24	Bu	CS	10 Ynal		FRINGL-e		32	15	(
120	C,	C. J.	2.54		Conra Sind 2010		120	C,	(
,									
Depth to	Groundwa Standing W Weeping fr		ole		Timb	-	Depth to	Material (ge b Bedrock _ b Groundwa Standing W Weeping fr Estimated	ater : Vater rom F

		<u>Or</u>	-Site Revi	ew		
Deep Ho	le Number	(2) D	ate: 5/1		me 2:30	_
Weather	(identify on	oita plan	31	- T-	- 3	-
Location	e	site plan)_	CESICA	Slov	pe (%)	
Surface	Stone	12 / 10			pc (70)	
Vegetation	on/					
	LACIA	Pres	- 5		3F	
Landforn	n: クレTレ	vach (1.	enAc	~	W.	
	on Landsca	pe (sketch o	n back)			
Distance		D = -1		ъ.	N. 300 (1922) 442	
	Open Water Possible We			Drainag	jeway y Line	feet
i	Orinking Wa	ter Well	feet		y Line	
		DEEP OBSE	RVATION	HOLE LOG		1
depth from surface (inches)	soil horizon	soil texture (USDA)		soil mottling	other (structure, stones, t Consistency, % gray	
8	A	FSL	10/n		FRINGE	
32	Bu	05	3/2		"	
		,	104x		Ciars	_
120	C',	CS	254/		SIR	1
			9/12	2	301	0
	1	L	. ,	Ι		
	Material (geo					
	Bedrock _ Groundwa		-			
	Standing W		lole			
	Weeping fro					
	Estimated S	Seasonal Hig	h Water_			



FORM 12: Percolation Test Location Address or Lot # 3hadys/ipper Circle

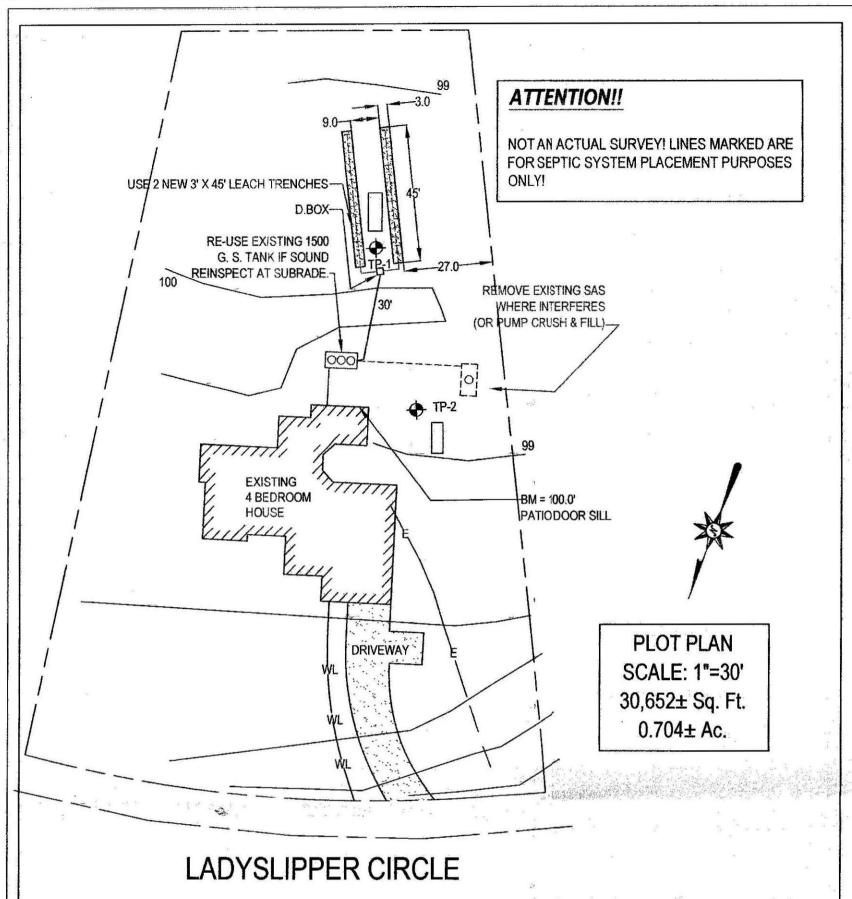
Commonwealth of Massachusetts Town of "Am HERST"

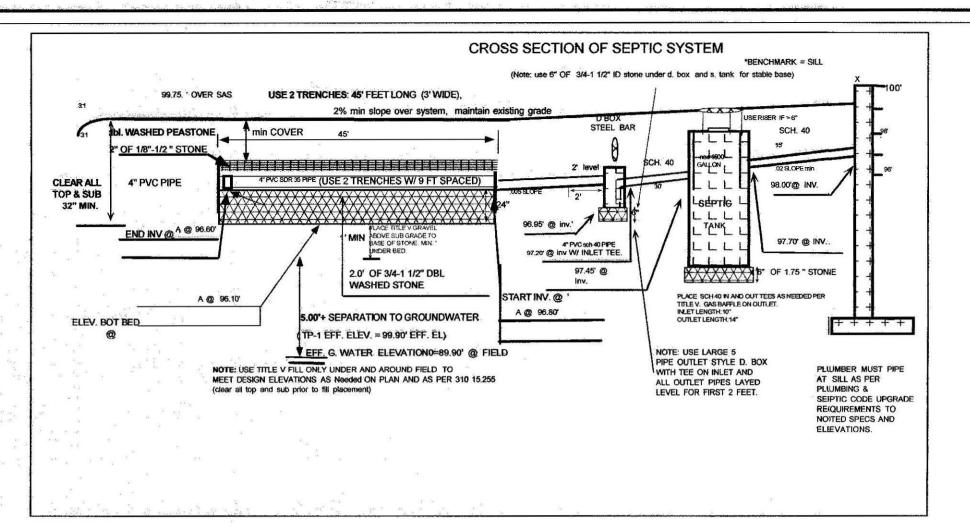
	PERCOLATION TEST	Γ*	****	
DATE	TIME:			
Observation Hole #			9	
Depth of Perc	40 "			
Start Pre-soak	2:85			
End Pre-soak	. / ,			
Time at 12"	-///	/a		
Time at 9"	1/10	A		
Time at 6"	c1/1.00		121	
Time (9."-6")	~/			
Rate Min./Inch	1		- 	

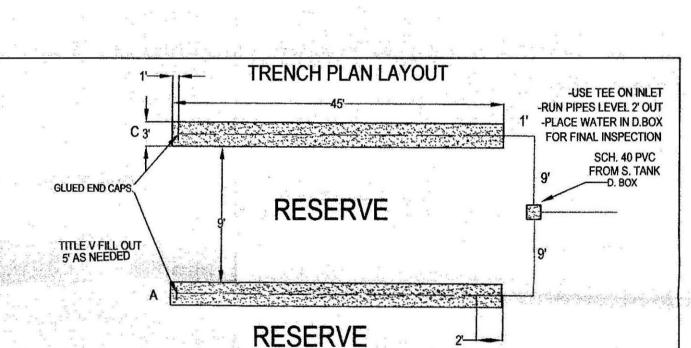
*Minimum of one percolation test must be performed in both the primary area and reserve area.

Site Passed 🚳	Site failed		
Performed by	DAVIE LANG	ZinsMi	A 9
Witnessed by	AC Weiss	C/d Spring	Ew
			^

Comments:







SURFACE

2" 1/8-1/2 " DBL.

(WITH 24"+ 4" OF 3/4 TO 1.5 INCH)

DBL. WASHED STONE UNDER INVERT)

2.0 FT

WASHED PEASTONE

2006 SEPTIC PLAN ADDENDUM

DUE TO LATE REGULATION CHANGES 4-22-2006

NOT NECESSARILY THE OPINION OF THE DESIGNER

ALL NEW SYSTEMS MUST:

REBAR. All OPENINGS & COMPONENTS marked with magnetic tape HAVE PERFORATIONS IN BED AT 4 AND 8 O-CLOCK POSITIONS. NOTE: THESE ARE NEW STATE REGULATION REQUIREMENTS (4-22-06),

ONE TRENCH DETAIL (x-section)

1 FT. COVER (MIN.)

GRAVITY SLOPE SEPTIC SYSTEM OPERATION AND MAINTENANCE NOTES FOR HOMEOWNER.

- HAVE TANK PUMPED EVERY 2 YEARS.
- 2.) MAINTAIN AREA OVER SEPTIC SYSTEM AS GRASSY OR SIMILAR GROUND COVER.
- 3.) DO NOT PLANT ANY TREES OR DEEP ROOTING SHRUBS WITHIN 10 FEET OF SYSTEM.
- USE ONLY LIQUID DETERGENTS & LOW FLOW WASHERS.

DESIGN NOTES AND CALCULATIONS:

1.) 4 BR X 110 GPD /BR = 440 GPD

-Use TWO TRENICHES: 3' WIDE X 45' LONG WITH 24" OF 2 TO 4 DBL WASHED

SUBJECT SITE LOCATION

STONE BELOW INVERT - BOTTOM AREA: 33' W X 45' L X 2 TRENCHES = 270 SF.

- SIDE AREA: 2' HIT. X 45' LONG X 2 SIDES X 2 TRENCHES =360 SF - END AREA: 2' HT., X 3' WIDE X 2 SIDES X 2 TENCHES = 24 SF

- TOTAL AREA: 6544 SF X 0.74 GAL/SF = 484 GPD

3. GARBAGE DISPOSAL INOT ALLOWED 4. NO OTHER PRIVATE WELLS WITHIN 150 FEET OF SAS (TOWN WATER).

5. NO OTHER WETLANDS; WITHIN 150 FEET OF SAS, WETLAND AS NOTED BY C. DAUCHY. 6. USE EXISTING 1,500 GAL S. TANK AS NOTED & MAINTAIN 0.02 PITCH FROM SILL TO S. TANK

7. USE LARGE STYLE D.BOX ONLY. 7A ALL D. BOX OUTLET PIPES LEVEL FOR FIRST 2'

- D. BOXES WITH COVIERS AND WALLS LESS THAN 2" THICK ARE NOT ALLOWED PER DESIGN. B. USE APPROVED (1 1/2") DBL. WASHED STONE UNDER TANK & D. BOX FOR 6".

-CONFIRM STONE PRIOPERLY WASHED (WITH BUCKET / H2O TEST) PRIOR TO PLACEMENT.

10. PRE & POST CONTOURS NOTED AS NECESSARY, RESERVE AREA NOTED REQUIRED. 11. SLOPE CALCS (SEE CIONTOURS), SUBGRADE INSP. REQ'D.

13. USE TRENCHES DUE TTO TOPOGRAPHY AND SPACE OF LOT WITH RESPECT TO LOCATION AND

ELEVATION OF RESIDIENCE (310 CMR 15.240)

14. USE 2% MIN. SLOPE OVER SAS

CLEAR TOP AND SUB TO 32" MIN. AS NEEDED (SUBGRADE & FINAL INSPECTION REQUIRED).

- CLEAR TO BASE OF IB (MIN. 32") UNDER BED PRIOR TO TITLE V SAND PLACEMENT (if needed). - EXCAVATE EXISTING SYSTEM AND REMOVE.

SOIL EVALUATION BY A WEISS, RS 5/9/06, D. ZAROZINSKI, BOH AGENT).

- DEPTH OF PERC. 40"

- PERC RATE = <2 MIN / IN - CLASS I SOIL RATING (SAND)

16. NO TREES WITHIN 10 IFT. OF NEW LEACH FIELD. USE TITLE V FILL 5' OUT.

17. ENGINEER TO INSPECT SUBGRADE, AND FINAL.

18. BM=PATIO DOOR SILL:=100.00' @ PIN, CONFIRM PROPER PIPE SLOPES

- USE/INSPECT SCH. 440 PIPE FOR PIPE FROM HOUSE TO NEW OR EXISTING TANK

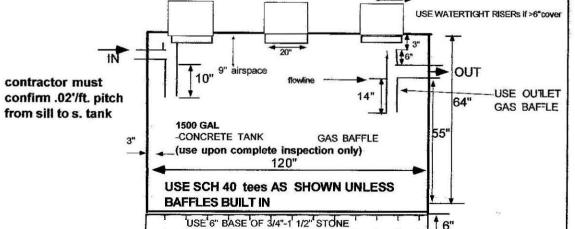
19. GRADE MULCH AND SIEED OVER LEACHFIELD AS NOTED. 20. INSTALLATION IN LOW GROUNDWATER SEASON RECOMMENDED.

TEST PIT LOG:

TP-1 EFF. EL. 99.80 EFF. ELLEV. A: F. SANDY LOAM (10 YR 3/2) Bw: SANDY LOAM (10 YR 4/6) 24-120" C1: F. SAND, LAMINIATED (2.5 Y 4/5)

TP-2 0 - 8" 8" - 32"

OXIDES: NOT OBSERVED ASSUMED @ 120" + STANDING H20 WEEPING FROM FACE



TYPICAL NEW S. TANK OR EQUIV. (WATERTIGHT)

AN EXISTING 1,000 or 1,500 GALLON SEPTIC TANK CAN BE USED IF UPON INSPECTION BY THE

INSTALLING CONTRACTOR, IF THE TANK IS INSPECTED AND PUMPED AND FOUND TO BE

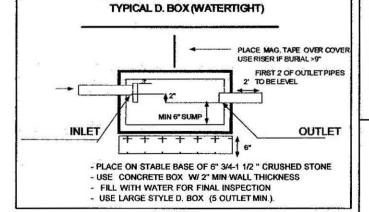
STRUCTURALLY SOUND AT THE TIME OF THE SUBGRADE INSPECTION.

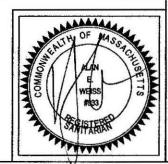
IF BAFFLES ARE NOT BUILT IN, THAN SCH 40 PVC TEES MAY BE ADDED.

ACCOMODATE A NEW 1,500 GALLON (MIN.) SEPTIC TANK.

IF TANK IS NOT SOUND THAN, NOTIFY ENGINEER IMMEDIATELY IN ORDER TO

9.0' BETWEEN 3.0 FT WIDTH RESERVE NOTE: INSTALLER MUST CONTACT ENGINEER 48 HOURS PRIOR TO SUBGRADE





SEPTIC SYSTEM REPAIR PLAN FOR KATHY WALSH 3 LADYSLIPPER CIRCLE AMHERST, MA

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

PHONE: (413) 323-5957 e-Mail: AEWEISS@charter.nct FAX: (413) 323-4916 DRAWN BY: REVISED: **ALAN WEISS** 5/16/06 DRAWING NUMBER: 106-2433-0412 SCALE: 1"=30"

ATTENTION INSTALLER!! CALL DIG SAFE BEFORE YOU DIG!! MASSACHUSETTS STATE LAW CHAPTER 82 SECTIONS 41 - 40E INSPECTION. INSTALLER MUST HAVE ALL BREAK OUT FILL ON SITE AND IN PLACE REQUIRE THAT PREMARKING OF GAS, ELECTRIC, WATER, TELEPHONE AND CABLE T.V. UTILITY

PRIOR TO SIGN OFF BY ENGINEER AT TIME OF FINAL INSPECTION OR APPROVAL LINES BE MADE A MINIMUM OF 72 HOURS PRIOR TO GROUND BREAK FOR ANY EXCAVATION. WILL NOT BE GIVEN TO BACKFILL.

s - 5 - 1.3y

USING EXISTING SEPTIC TANKS: