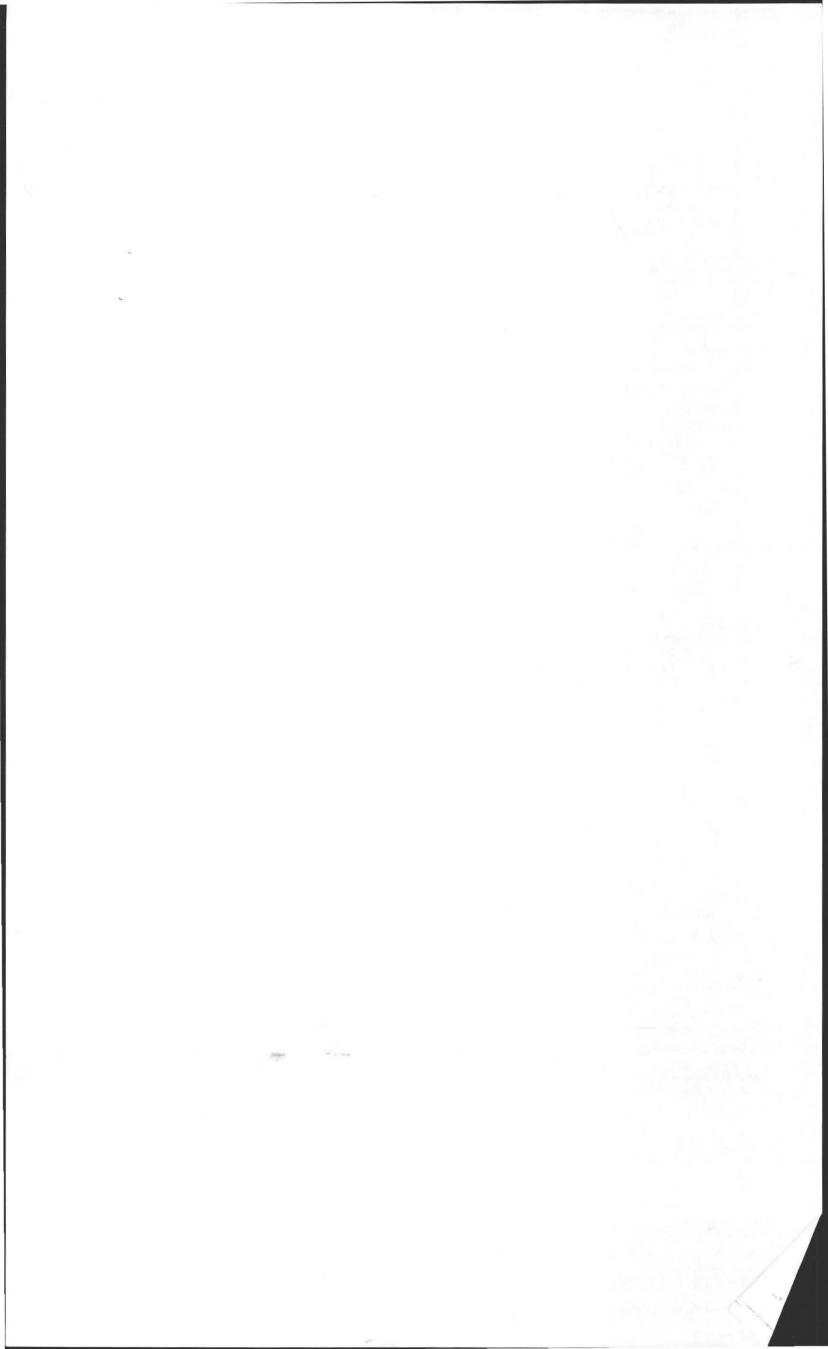
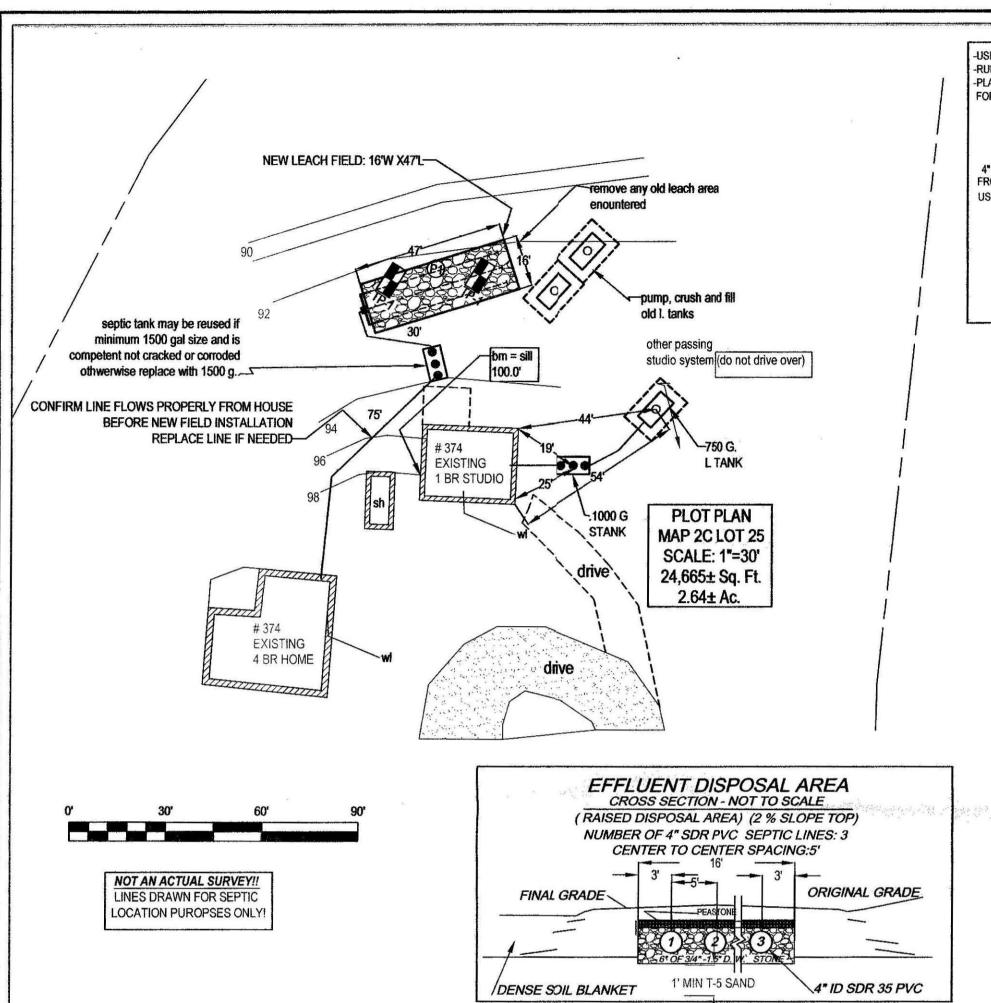


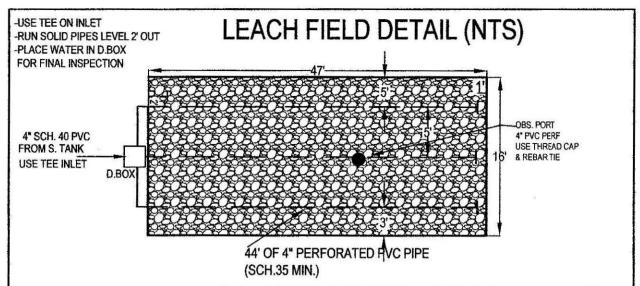
COMMONWEALTH OF MASSACHUSETTS

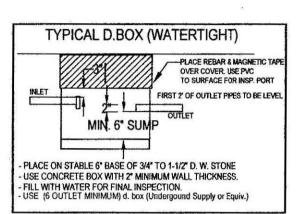
Board of Health, ______, MA.

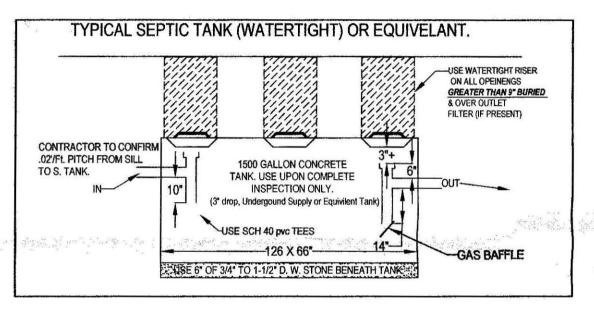
Location 374 OLD Menta	Owner's Name Steve 10055
Map/Parcel# 7/ /25 \$ 240.0	Address 374 old Mentagles Rd.
Lot# #25	Telephone# 549-0168
Installer's Name KARL'S Sofe Work	Designer's Name Alay Wess 15
	Address Bolchetour :
Telephone# 1549-5396	Telephone# 4/3-323-5957
ype of Building Rosileve.	Lot Size 2.64 #/- Garbage grind
	No. of persons Showers (), Cafete
Other Fixtures gpd Calcular Calc	ated design flow 440 110 Design flow provided 554
lan: Date 6 7 4 13 Number of sheets	
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Traine of boil 1	Evaluator Alleiss Date of Evaluation 6/11/13 E. Sm. Ha. (Tank as needed)
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COMMONWEAL	AMARIERST, MA.
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COMMONWEAL Board of Health,	Date: 7/2/3 The that the system will function as designed.
COMMONWEAL Board of Health,	E OF COMPLIANCE lete System n; Constructed (), Repaired (), Upgraded (), Abandoned () IR 15.00 (Title 5) and the approved design plans/as-built plans relatively design Flow Date: 7/2/3 THOF MASSACHUSETTS MA. I CONSTRUCTION PERMIT
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COMMONWEAL Board of Health,	THOF MASSACHUSETTS THOF MASSACHUSETTS MA. A. CONSTRUCTION PERMIT Discreption of the application as described in the application. A. A. A. A. A. A. B. CONSTRUCTION PERMIT Date: A. A. A. A. A. A. B. CONSTRUCTION PERMIT A. A. A. A. A. A. A. A. B. CONSTRUCTION PERMIT A. A. B. B. B. B. B. B. B. B.



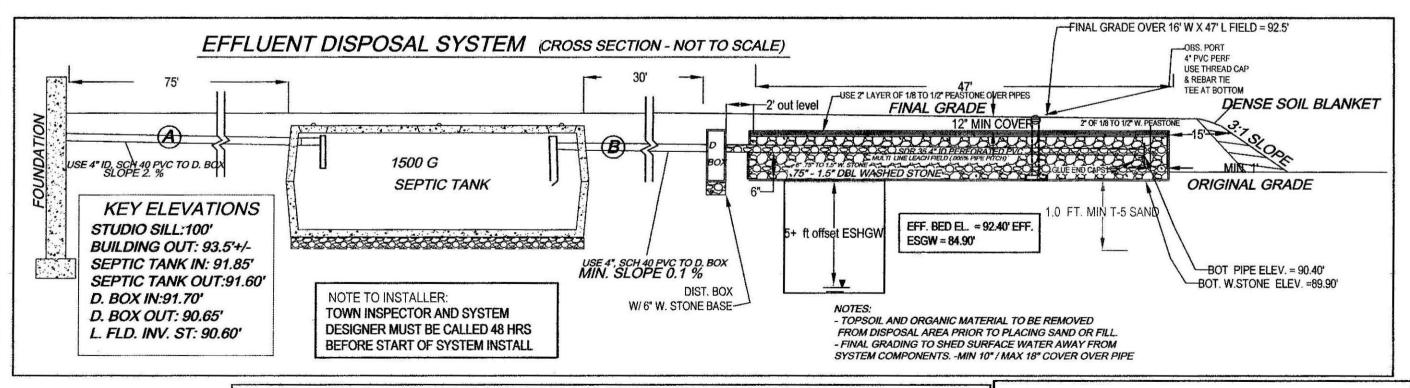








USING EXISTING SEPTIC TANKS: AN EXISTING 1,500 GALLON TANK CAN BE USED IF UPON INSPECTION BY THE INSTALLING CONTRACTOR, IF THE TANK IS INSPECTED AND PUMPED AND FOUND TO BE STRUCTURALLY SOUND & WATERTIGHT AT THE TIME OF THE SUBGRADE INSPECTION. IF BAFFLES ARE NOT BUILT IN, THAN SCH 40 PVC TEES MUST BE ADDED. F TANK IS NOT SOUND THAN, NOTIFY ENGINEER IMMEDIATELY IN ORDER TO ACCOMODATE A NEW 1,500 GALLON (MIN.) SEPTIC TANK. MUST BE MIN 1500 GAL



GRAVITY SLOPE SEPTIC SYSTEM OPERATION AND MAINTENANCE NOTES FOR HOMEOWNER. 1.) HAVE TANK PUMPED EVERY 2 YEARS. 2.) MAINTAIN AREA OVER SEPTIC SYSTEM AS GRASSY OR SIMILAR GROUND COVER. DO NOT PLANT ANY TREES OR DEEP ROOTING \$HRUBS WITHIN 10 FEET OF SYSTEM.
 USE ONLY LIQUID DETERGENTS &

NOTE TO HOMEOWNER AND CONTRACTOR: CONNECTIONS FROM HEATING SYSTEM, AIRCONDITIONERS, SUMP PUMPS, WATER WELL FILTRATION UNITS AND HEAT PUMPS ARE NOT ALLOWED, SANITARY WATER CONNECTIONS ONLY PERMITTED.

ATTENTION INSTALLER!!

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

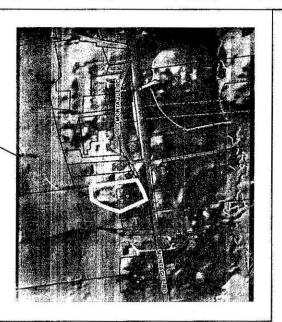
LOW FLOW WASHERS.

NOTE: INSTALLER MUST CONTACT ENGINEER/BD OF HEALTH 48 HOURS PRIOR TO CALL DIG SAFE BEFORE YOU DIG!! MASSACHUSETTS STATE LAW CHAPTER 82 SECTIONS40 - 40E SUBGRADE INSPECTION. INSTALLER MUST HAVE ALL BREAK OUT FILL ON SITE AND APPROVAL WILL NOT BE GIVEN TO BACKFILL.





SUBJEC1 LOCATION



DESIGN NOTES AND CALCULATIONS:

1.) 4-5 (BEDRO)OM HOME) = 550 GPD MIN.REQUIRED

-Use LEACHING FIELD 16' WIDE X 47' LONG WITH 6" OF 3" TO 12" DBL WASHED STONE BELOW INVERT:

- BOTTOM AREA: L. FIELD(16' W X 47' L) =752 SF.

- TOTAL AIREA: 752SF X .74 GAL/SF =556.5 GPD PROVIDED.

- GARBAGE DISPOSAL NOT PERMITTED.(A/C AND FURNACE CONDENSATE TUBES NOT ALLOWED)
- 4. NO PRIVATE WELLS WITHIN 100 FEET OF SAS.
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- 6. USE S. TANK AS NOTED & MAINTAIN 0.02 PITCH FROM SILL TO S. TANK
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- SURE TO MAIINTAIN 3" CLEARANCE FROM TOP OF TEES TO BOTTOM OF TANK COVERS & BOXES. USE LARGE STIYLE (6 OUTLET) D.BOX ONLY.
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- -USE ONLY DIBL. WASHED APPROVED(.75"-1.5") FOR PLACEMENT IN LEACH AREA.
- USE PROPER SCH. 40 PVC TEES AS SHOWN.
- PRE & POST CONTOURS NOTED AS NECESSARY, RESERVE AS NOTED (not required for repairs). SLOPE CALCS (SEE CONTOURS). SUBGRADE INSP. REQ'D.
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- 4. USE 2% MIN. SSLOPE OVER SAS
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- USE/INSPEC:T SCH. 40 PIPE FOR PIPE FROM HOUSE TO NEW OR EXISTING TANK
- GRADE MULCIH AND SEED OVER SAS AS NOTED.
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- 21. USE OBSERVIATION PORT NEAR CENTER OF STONE BED HAVE 4" PERFORATED, PVC INSPECTION PORTALS TO BOTTOM OF STONE BED. WITH RISER TO 3" OF SURFACE & THREADED CAP & MARK WITH RE-BAR..

TEST PIT LOG:					SOIL EV	'ALUAT /EISS , F	TE OF EVALUATION: 06.11.2013		
TP 1 92	.40'				TP 2. EL	EV:			
DEPTH:	HORIZ:	TEXTURES	(MUNSELL):	MATERIAL:	DEPTH:	HORIZ:	TEXTURE:	(MUNSELL):	MATERIAL:
0-6"	A	FSL	10 YR 3.3	f. SANDY FRIABLE	0-8"	A	FSL	10 YR 3.3	3
6-24"	Bw	LS	10 YR 5.6	F. SANDY	8-26"	Bw	LS	10 YR 5.6	. SANDY
24-108"	C1	FS	2.5 Y 5.3	F-C SAND GRANULAR	26-106"	C1	FS/LS	2.5 Y 5.3	- C SAND
	1								
OXIDES:			90"	7.5 YR 6.8	OXIDES:			90"	7.5 YR 6.8
EHWT: 62"			EHWT: 64"						
STANDING H2O: 100"			STANDING H2O: 100"						
WEEPIN	G:		96*		WEEPIN	IG:		96"	
BEDRO	CK:		120" -126+		BEDRO	CK:		-	

SEPTIC DESIGN REPAIR PLAN FOR STEVE GROSS 374 OLD MONTAGUE ROAD

AMHERST, MA

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

PHONE: (413) 323-5957 FAX: (413) 323-4916 DRAWN BY:

c-Mail: AEWETSS@charter.net

ALAN WEISS 6.24.2013 DRAWING NUMBER: 113-4111-00529 1"=30"

COMMONWEALTH OF MASSACHUSETTS

Board of Health, Amherst. APPLICATION FOR DISPOSAL SYSTEM CONSTRUCTION PERMET Application for a Permit to Construct() Repair (Upgrade() Abandon() - Complete System Andre OLD Mento Location old Mentage Map/Parcel# Address Lot# Telephone# Designer's Name Installer's Name Sote Work Address Address Hadh , MA. 1549-5396 Telephone# Telephone# Residence. Type of Building Garbage grinder NO Dwelling - No. of Bedrooms Showers (), Cafeteria () Other - Type of Building No. of persons Other Fixtures gpd Calculated design flow 440+110 Design flow provided 554 Design Flow (min. required)
Plan: Date (2413 Number of sheets_ Repair Plas. Tide Stone Sish Description of Soil (s) Soil Evaluator Form No. Name of Soil Evaluator Tank as neede DESCRIPTION OF REPAIRS OR ALTERATIONS ove described Individual Sewage Disposal System in accordance with the provisions of TITLE 5 and has been issued by the Board of Health. Inspections FFF \$ 150 -No. 13-13 COMMONWEALTH OF MASSACHUSETTS Board of Health, AnnessT MA. CERTIFICATE OF COMPLIANCE Description of Work:

Individual Component(s)

Complete System The undersigned hereby certify that the Sewage Disposal System; Constructed (), Repaired (), Upgraded (). Abandoned () has been installed in accordance with the provisions of 310 CMR 15.00 (Title 5) and the approved design plans/as-built plans relating to application No. _ . Approved Design Flow ___ The issuance of this permit shall not be construed as a guarantee that the system will function as designed. FFF \$150 No. 13-13 COMMONWEALTH OF MASSACHUSETTS Board of Health, AMHERS MA. DISPOSAL SYSTEM CONSTRUCTION PERMIT

		Abandon() an individual sewage disposal system
at 374 DLD MONTAG	GOF ROAD	as described in the application for
Disposal System Construction Permit No. 1	3-13 , dated 6/28	12013
		of this permit. All local conditions must be met.

Date 6/3/2013 board of Health Good Row His

				3	

FORM 11 - SOIL EVALUATOR FORM Page 1 of 3

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

Licensed Site Professional Registered Sanitarian Hydrogeologist President

•Wetland Consults
•Soil and Water Testing
•21E Site Investigations
•Percolation Tests and
•Septic Designs

Date: Clulra

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

-4916 (FAX) • Title 5 Inspections aeweiss@charter.net

	of Massachusetts
Anhest	, Massachusetts

Soil Suitability Assessment for On-site Sewage Disposal

Performed By: H'Weiss		Date: 6/11/3
Witnessed By: E. 5m.t4.		Date. 6/11/13
Leation Address or Lox 1 374 old Montague (L)) New Construction [] Repair [] Office Review	idephose: Amnerst	Carol Gross Nontague Road , MA 01002 0268 2618 (mobile)
Published Soil Survey Available: No Yes	1	
Year Published Publication Scale Drainage Class Soil Limitations	. Soit Ma	ap Unit
Surficial Geologic Report Available: No Yes		
Year Published Publication Scale	<u>:</u>	
Geologic Material (Map Unit) Landform) 8 (de) (a)	4.0
Flood Insurance Rate Map:		8
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 Normal		,
Other References Reviewed:		



-		

il

Location Address or Lot No. 374 old Montague ND-

On-site Review

	· ·
Deep Hole Number 1>2 Date: 6/11/13	Time: 10.00 Weather Mouss.
Location (identify on site plan)	and the same and a summer to be assumed to the summer to the same of
Land Use Vegitation Slope (%) 2	Surface Stones _ Feu .
Vegetation Mrxed Reciduos.	
Landform Terraud -	the first the second of the se
Position on landscape (sketch on the back)	
Distances from:	4
Open Water Body 100 feet Draina	ige way D' feet
Possible Wet Area 1604 feet Proper	Ty Line50 + feet
	· ····································
Tow Wet.	•
DEEP OBSERVA	TION HOLE LOG.
DEE: ODGESTOR	HOW HOLL LOG
	Spil Other
Depth from Soil Horizon Soil Texture Soil Color (USDA) (Munsell)	Mottling (Structure, Stones, Boulders, Consistency, % Gravel)
0-6" Ap FSC 104 123/3	F. Sady., Frable.
6"-24" Bw LS 1917/6	
2111 1 R - FS 2.545/3	Z. Tyre G.F. Sand to Mad Sand
29-3100	
AO C 10463/3	
10 × 1 1 1 1 1 1	
821 11 Bul 15 longthe	
8-26	
26"-106" C, +S/s	
765.	7.54c48 \)
	F. Send to C. Sad.
-	F. 200 10 C. 200
' MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOS	SED DISPOSAL AREA .
Parem Material (geologic) Outrest	DерилоВеdrock: 106 1 +
Depth to Groundwater: Standing Water in the Hole: 1/0	Weeping from Pin Face: Wot
Estimated Seasonal High Ground Water: 80 "	
•	
	i.

3€2			

Lacation Address or Lot No. 374 old Markywe RD_

COMMONWEALTH OF MASSACHUSETTS

Amfost , Massachusetts

	Percolation 7	Test*
Date: 6	111/13	Time:, 'o' >=
Observation Hole #	P	
Depth of Perc	40 "	Project
Start Pre-soak	10:14	Kepar's
End Pre-soak	10'.79	- Company of the Comp
Time at 12°	1029	1
Time at 9" ·	10'-3/	
Time at 6"	- 2:37	4
· Time (9"-6")	42	
Rate Min./Inch	47	

* Minimum of 1 percolation test must be performed in both the primary area AND Site Passed Site Failed [Performed By: _ Witnessed By: _ Comments:



2			
v			

Location Address or Lot No. 374 old Montague B-

Determination for Seasonal High Water Table

Method Used:	
Depth observed star Depth weeping from Depth to soil mottles Ground water adjust	
Index Well Number	Reading Date Index well level
Adjustment factor	Adjusted ground water level
	of naturally occurring pervious material exist in all areas 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 analysis sistent with the required training, expertise and experience 5.017.
Signature _	Ale Date6/11/13
,	ALAM E. WEISS REG. #933

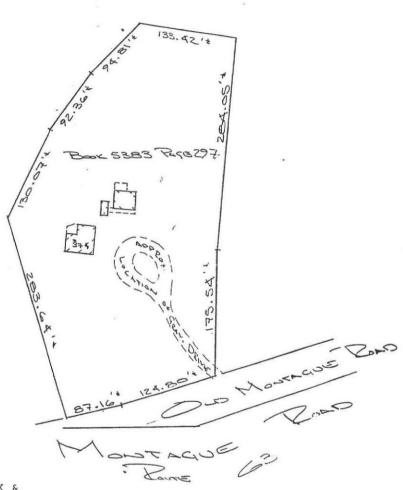


-NOTE-

THIS PLAT IS COMPILED FROM DEEDS, PLANS AND OTHER SOURCES AND IS NOT TO BE CONSTRUED AS AN ACCURATE SURVEY AND IS NOT TO BE RECORDED.

BUILDING LOCATION ACCURACY IS NOT GUARANTEED

- Sue Lince to AND TOGETHER WITH EXCENSENTS AND RIGHTS OF WARS OF RECORD



TO: PEOPLES SAVINGS BANK & FIRST AMERICAN TITLE INSURANCE COMPANY

TO THE BEST OF MY INFORMATION, KNOWLEDGE AND BELIEF
I HEREBY REPORT THAT I HAVE EXAMINED THE PREMISES AND BASED ON EXISTING
MONUMENTATION ALL VISIBLE EASEMENTS, ENCROACHMENTS AND BUILDINGS ARE LOCATED ON
THE GROUND AS SHOWN AND THAT THE BUILDINGS ARE ENTIRELY WITHIN THE LOT LINES,
EXCEPT AS NOTED. I FURTHER REPORT THAT THE PROPERTY IS NOT LOCATED WITHIN
A FLOOD PRONE AREA AS SHOWN ON FEDERAL FLOOD INSURANCE MAPS FOR
COMMUNITY # 250156

SURVEYOR: Randall E. Ige



THIS PLAT FOR MORTGAGE LOAN PURPOSES ONLY AND DOES NOT CONSTITUTE A PROPERTY SURVEY

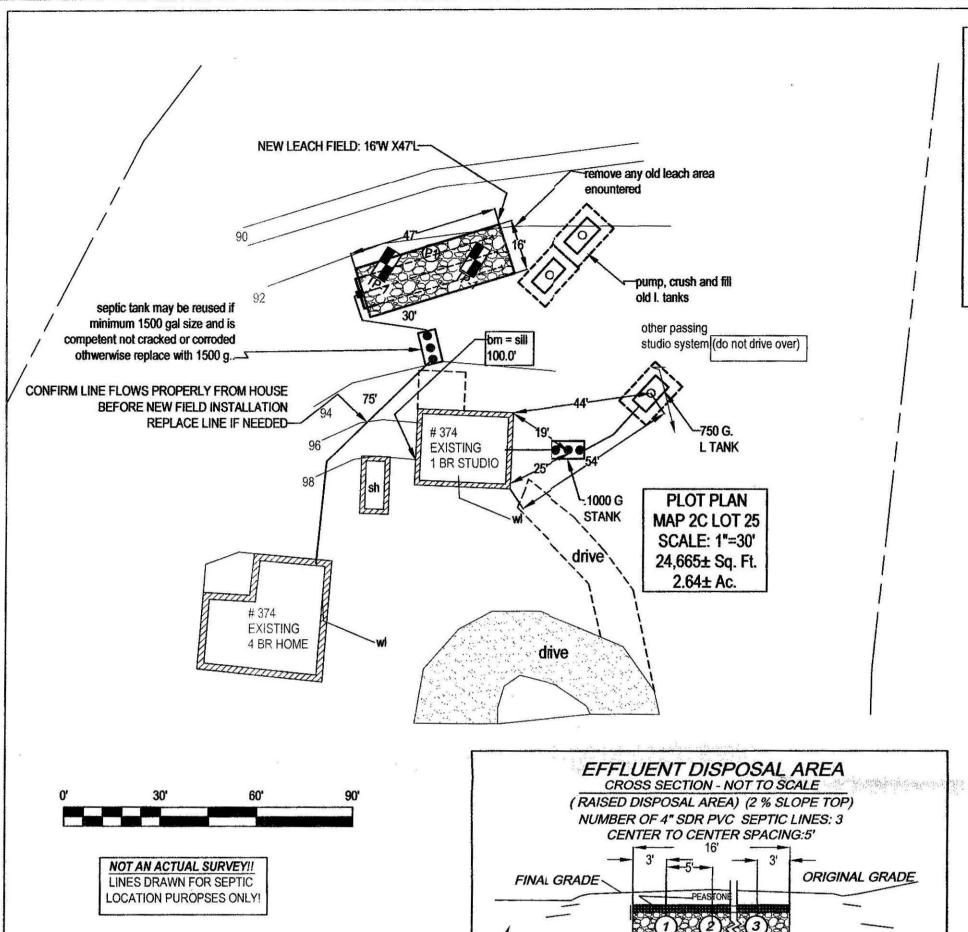
-MORTGAGE LOAN INSPECTION PLAT-

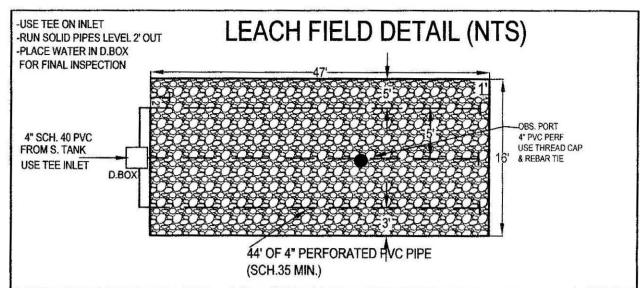
AMHERST, MASSACHUSETTS
PREPARED FOR
JANE A. SINAUER

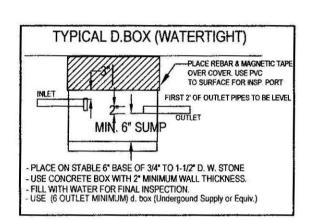
SCALE: 1"=100'

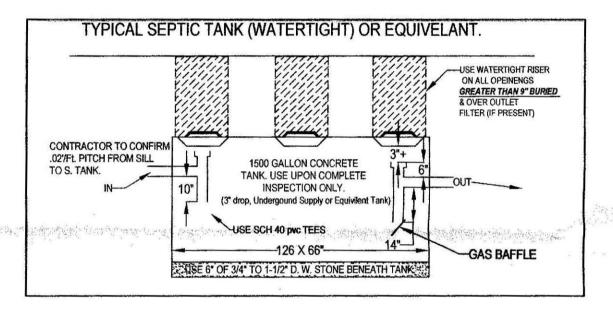
APRIL 25,2003

HAROLD L. EATON AND ASSOCIATES, INC. REGISTERED PROFESSIONAL LAND SURVEYORS 235 RUSSELL STREET — HADLEY — MASSACHUSETTS

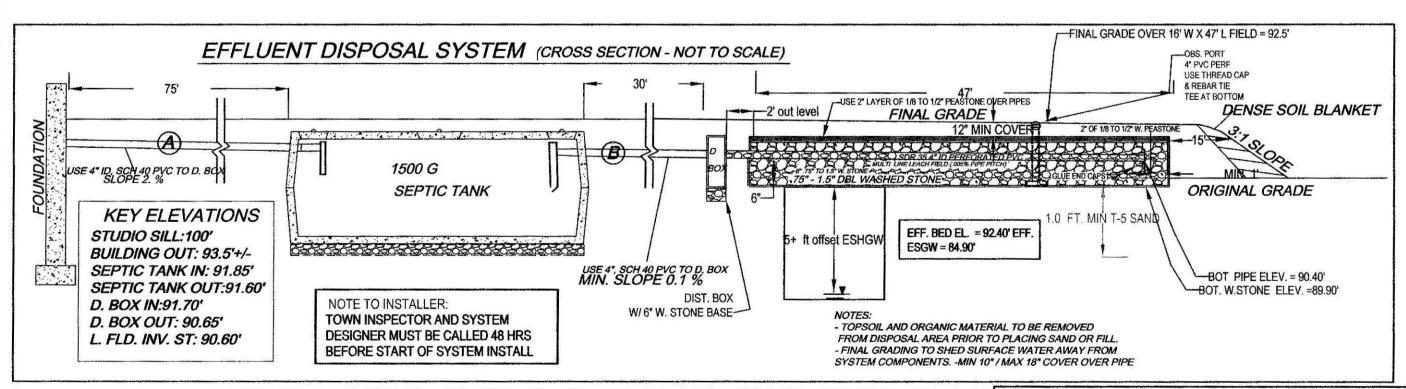








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1' MIN T-5 SAND

GRAVITY SLOPE SEPTIC SYSTEM OPERATION AND MAINTENANCE NOTES FOR HOMEOWNER.

DENSE SOIL BLANKET

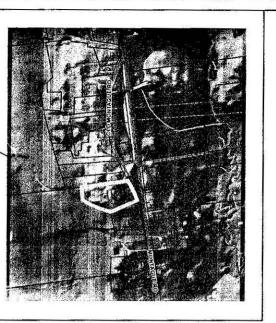
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30'







DESIGN NOTES AND CALCULATIONS:

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- EXCAVATE TEXISTING LOAM, SUB AND ANY EXISTING DEBRIS, DIRTY FILL OR PRIOR SYSTEM IF PRESENT.
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TEST PIT LOG:				SOIL EV A. W	ALUAT ÆISS, I		DA	DATE OF EVALUATION: 06.11.2013			
TP 1 92.40'			TP 2. EL	TP 2. ELEV:							
DEPTH:	HORIZ:	TEXTURE:	COLOR (MUNSELL):	MATERIAL:	DEPTH:	HORIZ:	TEXTURE:	COLOR (MUNSELL):	MATERIAL:		
0-6"	A	FSL	10 YR 3.3	f. SANDY FRIABLE	0-8"	A	FSL	10 YR 3.3	3		
6-24"	Bw	LS	10 YR 5.6	F. SANDY	8-26"	Bw	LS	10 YR 5.6	F. SANDY		
24-108"	C1	FS	2.5 Y 5.3	F-C SAND GRANULAR	26-106*	C1	FS/LS	2.5 Y 5.3	F-C SAND		
	+					\vdash					
OXIDES			90"	7.5 YR 6.8	OXIDES:			90"	7.5 YR 6.8		
EHWT:			62"		EHWT:			64"			
STANDING H2O: 100"			STANDING H2O:		100"						
WEEPIN	G:		96"		WEEPIN				96"		
BEDRO	CK:		120" -126+		BEDROG	CK.					

SEPTIC DESIGN REPAIR PLAN FOR STEVE GROSS

374 OLD MONTAGUE ROAD AMHERST, MA

Cold Spring Environmental Consultants Inc. 350 Old Enfield Road

Belchertown, W.A. 01007 PHO.NC: (413) 323-5957

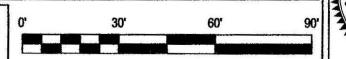
FAX: (413) 32:3-4916 c-Mail: AEWETSS@charter.nct 6.24.2013 **ALAN WEISS** DRAWING NUMBER: 113-4111-00529 1"=30"

ATTENTION INSTALLER!!

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. ITILITY IN PLACE PRIOR TO SIGN OFF BY ENGINEER AT TIME OF FINAL INSPECTION OR LINES BE MADE A MINIMUM OF 72 HOURS PRIOR TO GROUND BREAK FOR ANY EXCAVATION.

NOTE: INSTALLER MUST CONTACT ENGINEER/BD OF HEALTH 48 HOURS PRIOR TO APPROVAL WILL NOT BE GIVEN TO BACKFILL.

4" ID SDR 35 PVC



	FEE
COMMONWEALH	OF MASSACHUSETTS
A	nhest., MA.
	a de la companya de l
	SYSTEM CONSTRUCTION PERMENTING
Application for a Permit to Construct() Repair Upgrade() A	Abandon() - Complete System Mindividual Compositions
Location 374 OLD Menta	Owner's Name Steve bross
Map/Parcel# 7C /25	Address 374 old Montaguity Rd.
Lot# #25	Telephone# 54 9 - 6168
Installer's Name KARL'S Site Work	Designer's Name Alan Wess 15
Address Hadh, MA.	Address Bolche Hours
Telephone# 549-5396	Telephone# 413-323-5957
Type of Building Residence	Lot Size 2.64 Ac.
-) pe of 2 minutes	Lot Size Z · O · sq.
	No. of personsShowers (), Cafeteria
Other Fixtures	
Design Flow (min, required)gpd Calculated	design flow 440 +110 Design flow provided 559 g
	Revision Date
Title Store 25h Epair Plav.	
Description of Soil(s)	11.10
Soil Evaluator Form No Name of Soil Eval	uator A Weiss Date of Evaluation 6/11/13
1	
DESCRIPTION OF REPAIRS OR ALTERATIONS XOU (each treu (1212 47 record)
Inspections	

NoCOMMONWFAITH	FEE
COMMONWEALTH	OF MASSACHUSETTS
COMMONWEALTH Board of Health,	OF MASSACHUSETTS
COMMONWEALTH Board of Health,	OF MASSACHUSETTS
COMMONWEALTH Board of Health, CERTIFICATE (Description of Work: □ Individual Component(s) □ Complete	OF MASSACHUSETTS, MA. OF COMPLIANCE System
Description of Work: Individual Component(s) Complete The undersigned hereby certify that the Sewage Disposal System;	OF MASSACHUSETTS, MA. OF COMPLIANCE System Constructed (), Repaired (), Upgraded (), Abandoned ()
Description of Work: Individual Component(s) Complete The undersigned hereby certify that the Sewage Disposal System; Complete by:	OF MASSACHUSETTS, MA. OF COMPLIANCE System Constructed (), Repaired (), Upgraded (), Abandoned ()
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Description of Work: Individual Component(s) Complete The undersigned hereby certify that the Sewage Disposal System; Complete by:	OF MASSACHUSETTS, MA. OF COMPLIANCE System Constructed (), Repaired (), Upgraded (), Abandoned () 15.00 (Title 5) and the approved design plans/as-built plans relating
COMMONWEALTH Board of Health,	OF MASSACHUSETTS, MA. OF COMPLIANCE System Constructed (), Repaired (), Upgraded (), Abandoned () 15.00 (Title 5) and the approved design plans/as-built plans relating ed Design Flow(gpd)
COMMONWEALTH Board of Health,	OF MASSACHUSETTS, MA. OF COMPLIANCE System Constructed (), Repaired (), Upgraded (), Abandoned () 15.00 (Title 5) and the approved design plans/as-built plans relating ed Design Flow (gpd) Date:
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COMMONWEALTH Board of Health, CERTIFICATE (Description of Work: □ Individual Component(s) □ Complete The undersigned hereby certify that the Sewage Disposal System; (by: at has been installed in accordance with the provisions of 310 CMR 1 application No, dated Approve Installer Designer: Inspector: The issuance of this permit shall not be construed as a guarantee the No COMMONWEALTH Board of Health, DISPOSAL SYSTEM (OF MASSACHUSETTS, MA. OF COMPLIANCE System Constructed (), Repaired (), Upgraded (), Abandoned () 15.00 (Title 5) and the approved design plans/as-built plans relating ed Design Flow(gpd)
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COMMONWEALTH Board of Health,	OF MASSACHUSETTS , MA. OF COMPLIANCE System Constructed (), Repaired (), Upgraded (), Abandoned () 15.00 (Title 5) and the approved design plans/as-built plans relating ed Design Flow(gpd)
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FORM 11 - SOIL EVALUATOR FORM Page 1 of 3

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

Licensed Site Professional Registered Sanitarian Hydrogeologist President

101

·Wetland Consults ·Soil and Water Testing •21E Site Investigations

350 Old Enfield Rd. Belchertown, MA 01007 (413) 323-5957 & 323-4916 (FAX) ·Percolation Tests and ·Septic Designs

Data	. 1	1
Date:	6111	13

aeweiss@charter.net

 Title 5 Inspections Commonwealth of Massachusetts , Massachusetts Soil Suitability Assessment for On-site Sewage Disposal Performed By: A Weiss Witnessed By: E. Smith. Leation Address or 4 Old Montague Road 374 old Montague 20 mherst, mA 0100 -549-0268 -219-2618 (mobil New Construction 🗌 Repair 📙 Office Review Published Soil Survey Available: No Year Published Publication Scale Soil Map Unit Drainage Class Soil Limitations Surficial Geologic Report Available: No 🗌 Yes 📝 Year Published Publication Scale Geologic Material (Map Unit) Landform Flood Insurance Rate Map:

Above 500 year flood boundary No Yes Within 500 year flood boundary No Yes Within 100 year flood boundary No Yes Wetland Area: National Wetland Inventory Map (map unit) Wetlands Conservancy Program Map (map unit) Current Water Resource Conditions (USGS): Month Range : Above Normal Normal Bek v Normal | Other References Reviewed:



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8			
×			

Location Address or Lot No. 374 old Montague RD-

On-site Review

Deep Hole Number 1 > 2 Date: 6/11/13 Time: 1000 Weather Moures	
Location (identify on site plan)	_
Land Use Vegitation Slope (%) Z Surface Stones Feet	_
Vegetation Mrxed Reciduus.	_
Landform Terraud-	
Position on landscape (sketch on the back)	
Distances from:	
Open Water Body 100 feet Drainage way 100 feet	
Possible Wet Area 1004 feet Property Line 504 feet	
Drinking Water Well 100+ feet Other	_
Tou Wet.	
DEEP OBSERVATION HOLE LOG*	
Depth from Soil Horizon Soil Texture Soil Color Soil Other	e4
Surface (Inches) Surface (Inches) Surface (Inches) Surface (Inches) Surface (Inches) (USDA) (Munsell) Mortling (Structure, Stones, Boulders, Consistency, Gravel)	,-
0-6" Ap FSC 10423/3 FSady, Frable.	
24/5/108" C Fo 2.545/3 7.5429 F. Send + Med Sand.	
27-3/00	
0 - W A O C 104 x 3/3	
1 TSC IORTE	
8.71.	***************************************
71" 105" 0 C-1 254 93 90"	
26-106" Ci +5/cs. 7.5466)]	
1	
f. Send to C. Sad.	
MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA	
Parent Material (geologic) Outrest DepthoBedrock: 106 **	*
Depth to Groundwater: Standing Water in the Hole: Not Weeping from Pit Face:	
Estimated Seasonal High Ground Water: 80 "	

DEP APPROVED FORM - 12/07/95

<u>≈</u>		
×		

TENCOTIVITION 1 1501

Lacation Address or Lot No. 374 old Mutaque RD

COMMONWEALTH OF MASSACHUSETTS

Amfost , Massachusetts

	Percolation	Test*	
Date:	11/13	Time: 'o' :	
Observation Hole #	P		
Depth of Perc	40 "		
Start Pre-soak		Kepri	
End Pre-soak	10', 14		
Time at 12*	10'.79	The section of the se	<i> :-</i>
Time at 9"	1029	- Indian	
Time at 6"	10'-31	V 40000	
Time (9"-6")	- 2:37 LZ		
Rate Min./Inch	L7		

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

Site Passed Site Failed Performed By: Ala Wass RS

Witnessed By: Ed Smith

Comments:



5				
*				

Location Address or Lot No. 374 old Montague B-

Determination for Seasonal High Water Table

Method Used:	
Depth observed star Depth weeping from Depth to soil mottles Ground water adjust	
Index Well Number	Reading Date Index well level
Adjustment factor	Adjusted ground water level
Depth of Naturally Occurring Pe	ervious Material
	of naturally occurring pervious material exist in all areas area proposed for the soil absorption system?
Certification	
I certify that on <u>695</u> approved by the Departm was performed by me cordescribed in 310 CMR 15	(date) I have passed the soil evaluator examination tent of Environmental Protection and that the above analysis assistent with the required training, expertise and experience 5.017.
Signature _	Ala Date 6/11/13
	ALAN C. WEISS NEED WEI



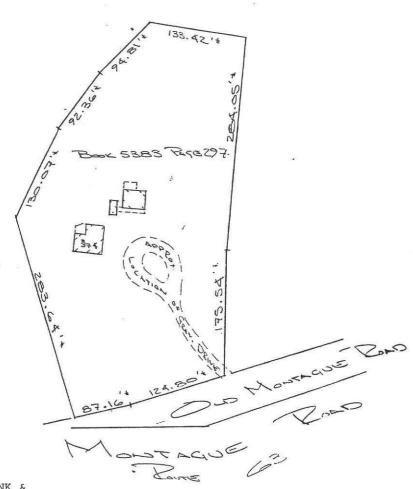
	*			

-NOTE-

THIS PLAT IS COMPILED FROM DEEDS, PLANS AND OTHER SOURCES AND IS NOT TO BE CONSTRUED AS AN ACCURATE SURVEY AND IS NOT TO BE RECORDED.

BUILDING LOCATION ACCURACY IS NOT GUARANTEED

SELUCE TO AND TOGETHER WITH EXCEMENTS AND RILLIES OF WARS OF RECORD



TO: PEOPLES SAVINGS BANK & FIRST AMERICAN TITLE INSURANCE COMPANY

TO THE BEST OF MY INFORMATION, KNOWLEDGE AND BELIEF
I HEREBY REPORT THAT I HAVE EXAMINED THE PREMISES AND BASED ON EXISTING
MONUMENTATION ALL VISIBLE EASEMENTS, ENCROACHMENTS AND BUILDINGS ARE LOCATED ON
THE GROUND AS SHOWN AND THAT THE BUILDINGS ARE ENTIRELY WITHIN THE LOT LINES,
EXCEPT AS NOTED. I FURTHER REPORT THAT THE PROPERTY IS NOT LOCATED WITHIN
A FLOOD PRONE AREA AS SHOWN ON FEDERAL FLOOD INSURANCE MAPS FOR
COMMUNITY # 250156

SURVEYOR: Ramball E. Ige



-NOTE-THIS PLAT FOR MORTGAGE LOAN PURPOSES ONLY AND DOES NOT CONSTITUTE A PROPERTY SURVEY

-MORTGAGE LOAN INSPECTION PLAT-

AMHERST, MASSACHUSETTS
PREPARED FOR
JANE A. SINAUER

SCALE: 1"=100'

APRIL 25,2003

HAROLD L. EATON AND ASSOCIATES, INC. REGISTERED PROFESSIONAL LAND SURVEYORS 235 RUSSELL STREET — HADLEY — MASSACHUSETTS

in the second se			

PROJECT NO.: 13-13				
CITY/TOWN: AMHEEST				
APPLICANT: STEVE GROSS				
ADDRESS: 374 OLD MONTAGOE RD.				
DESIGN FLOW: 554 gpd				
REVIEWED BY: Edward Smith	DATE:	6/27	12013	
	_	1		
	N/A	OK	NO	
GENERAL				
Legal boundaries denoted [310 CMR 15.220(4)(a)]		/		
Street, Lot, tax parcel number and lot number noted on plan [310 CMR 15.220(4)(u)]		1		MAP ZC LOT 25
Locus Provided [310 CMR 15.2204(t)]		/		
Plan proper scale? (1"=40' for plot plans, 1"= 20' or fewer for components) [310 CMR 15.220(4)]		/		
Easements shown [310 CMR 15.220(4)(b)]		/		
System located totally on lot served [310 CMR 15.405(1)(a) for upgrades]- if not, a variance is required [310 CMR 15.412 (4)]				
Location of impervious surfaces (driveways, parking areas etc.) [310 CMR 15.220(4)(d)]		/		
Location all buildings existing and proposed 310 CMR 15.220 (4)(c)]		✓		
Location and dimensions of system components and reserve areas. [310 CMR 15.220(4)(e)]		1		
System Calculations [310 CMR 15.220(4)(f)]		√ ,		
daily flow		V		
septic tank capacity (required and provided)		V		
soil absorption system (required and provided)	-	4	\$	11
whether system designed for garbage grinder		✓	34	NOT FOR GALLACE
North arrow [310 CMR 15.220(4)(g)] Existing and proposed contours [310 CMR 15.220(4)(g)]			~	MISSING
Location and log of deep observation holes (existing grade el.		1		NOT FOR GRINDER MISSING CURLECTED (PER EMAIL G/28/19 From AEWEISS)
on each test) [310 CMR 15.220(4)(h)]				from HEWERSS)
Names of soil evaluator and BOH representative [310 CMR 15.220(4)(h) and (i)]		/		
Location and date of percolation tests (performed at proper elevation?) [310 CMR 15.220(4)(i)]			/	
Percolation test results match loading rate? [310 CMR 15.242]		V		
Certification statement by Soil Evaluator [310 CMR 15.220(4) (j)]		✓		
Observed and Adjusted groundwater (method for adjustment given or indicated) [310 CMR 15.103(3) and 310 CMR 15.220(4)(n)]		√		

GENERAL cont.	N/A	OK	NO
Location of every water supply, public and private, [310 CMR 15.220(4)(k)]		,	
within 400 feet of the proposed system location in the case of surface water supplies and gravel packed public water supply wells	\ \ \	/	
within 250 feet of the proposed system location in the case of tubular public water supply wells	✓		
within 150 feet of the proposed system location in the case of private water supply wells		√	
Location of all surface waters and wetlands located up to 100 ft. beyond setbacks listed in 310 CMR 15.211 and any catch basins located within 50 ft. [310 CMR 15.220(4)(1)]		√	
Water lines and other subsurface utilities located [310 CMR 15.220(4)(m)] (if water line cross see 310 CMR 15.211(1)[1])		√	,
Profile of system showing invert elevations of all system components and the bottom of the SAS [310 CMR15.220(4) (o)]		✓	
Stamp of designer [310 CMR 15.220(1) and 310 CMR 15.220 (2)]		. <	
Stamp of Registered Land Surveyor (required if construction activities within 5 ft. of lot line) [310 CMR 15.220(3)]	/		
Test Holes adequate (two in each of the primary and reserve unless trenches as permitted in 310 CMR 15.102(2) or as approved for an upgrade under LUA at 310 CMR 15.405(1) (k)]		/	
Test hole adequate to demonstrate four feet of suitable material? [310 CMR 15.103(4)]		✓	
Test Holes adequate to confirm adequate groundwater separation? [310 CMR 15.103(3)]			
Benchmark within 50-75' of system [310 CMR 15.220(4)(q)]		√	/
Materials specifications noted? [various sections of 310 CMR 15.000]		/	
System components not > 36" deep (unless Local Upgrade Approval or LUA requested) [310 CMR 15.405(1(b)]			
All system components marked with magnetic tape 15.221 (12)			
SEPTIC TANK	N/A	OK	No
Size OK? [310 CMR 15.223(1)]	11121	912	1.0
Inlet tee located ten inches below flow line [310 CMR 15.227 (6)]		/	
Outlet tee 14" or 14" + 5" per foot for increase ft depth [310 CMR 15.227(6)]			/
Outlet tee with gas baffle or approved filter [310 CMR 15.227 (4)]		1	
Note regarding installation on stable compacted base [310 CMR 15.228(1)]		✓	

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

-

Stable compacted base [310 CMR 15.221(2) and 310 CMR 15.232(2)(a)]		/		
Splash plate or baffle tee required on inlet/ provided? (when pressure sewer to d-box or steep pitch of gravity sewer) [310 CMR 15.323(3)(a)]	/			
Riser if deeper than 9" [310 CMR 15.232(3)(f)]				
Inside minimum dimension 12" [310 CMR 15.232(2)(b)]		/		
Minimum sump 6" [310 CMR15.232(3)(e)]		5		
Watertight cover if <2000gpd); waterproof manhole if >2000gpd [310 CMR 15.232(3)(d)]		√		
PUMP CHAMBERS				
Capacity (emergency storage above working=design flow)? [310 CMR 231(2)]	√			-
Proper setbacks [310 CMR 15.211 (same as septic tanks)]	J.			
Watertight 20-in minium access manhole at least 20" MUST BE TO GRADE [310 CMR 15.231(5)]				
Service components accessible (not too deep with piping, disconnects accessible)				
Alarm floats - alarm on circuit separate from pumps specified?				
Exceeds two units must have two pumps operating in lead-lag mode. [310 CMR 15.231(6) and (8)]		Ger		
Stable Compacted Base [310 CMR 15.221(2)]				
Buoyancy calculations needed? Provided? [310 CMR 15.221 (8)]				
Dosing chamber capacity (required and provided), pump curves and specifications, number of dosing cycles and depth per cycle? [310 CMR 15.220(4)(r)]				
Effluent tee filter provided? [310 CMR 15.231(10)]	(
SOIL ABSORPTION SYSTEMS (SAS) GENERAL	N/A	OK	No	
Calculations correct?				
4 feet of naturally occurring material demonstrated? [310 CMR 15.240(1)]		1		
Required separation to groundwater? [310 CMR 15.212)]		1		
Aggregate specified as double washed [310 CMR 15.247(2)]		/ /		
System Venting required/provided? (system under driveway or >36" deep) [310 CMR 15.241]		1		
Inspection ports specified and within 3"final grade? [310 CMR 15.240(13)]		/		
Breakout requirements met? (No violation of breakout elevation within 15 ft of SAS unless barrier) [310 CMR 15.211(1)[4] and Guidance Document]		/		
GALLERIES,PITS,CHAMBERS 310 CMR 15.253	1			
Chambers and Gal. in trench configuration supplied with inlet				
every 20 ft. [310 CMR 15.253(6)]				

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Aggregate 1' minimum- 4' maximum. [310 CMR 15.253(1) (b)]	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			
2' sidewall credit maximum [310 CMR 15.253(1)(a)] In bed configuration, inlet every 40 sq. ft. [310 CMR 15.253 (6)]	,			
TRENCHES 310 CMR 15.251	/			
Width 2' minimum 3' maximum [310 CMR 15.251(1)(b)]	✓			
100 feet - maximum length [310 CMR 15.251(1)(a)]				
Minimum separation 2x effective depth or width whichever greater (3x if reserve between trenches) [310 CMR 251(1)(d)]			9	
Situated along contours [310 CMR 15.251(2)] Breakout OK? [310 CMR 15.211(1)[4] and Guidance Document]				
BED SAS (Maximum size of bed or field 5000 gpd)		/		
minimum 2 distribution lines [310 CMR 15.252(2)(a)] Maximum separation between lines 6' [310 CM R15.252(2) (d)]	\	1		
Maximum separation between lines and outside of bed 4' [310 CMR 15.252(2)(e)]			X	COMPECTED (TEREMAIL 6/28/13 from AEWEISS)
Aggregate depth below discharge pipes 6" minimum, 12" maximum. [310 CMR 15.252(2)(g)]		✓		
Separation between beds 10' minimum. [310 CMR 15.252(2) (f)]	✓			
Bottom area used in calculations only [310 CMR 15.252(2)(i)]				-
DID THE PLAN INVOLVE	N/A	OK	No	
Pressure Dosed System? Provided pump and piping calculations as required [310 CMR 15.220(4)(r)]	/			
Groundwater Separation Per 310 CMR 15.240(12) does the groundwater separation take into account mounding.	✓			-
Pressure dosing required on all systems >2000gpd or alternative systems under remedial approval [310 CMR 15.254(2) and I/A Remedial Use Approvals]	✓ <u> </u>			
If used in gravelless system - make sure jet is directed as not to scour soil interface [Guidance Document]	1			
Inspections once per year (systems< 2000 gpd) or quarterly (>2000gpd) good to note on plan [310 CMR 15.254(2)(d)]	/			
Construction in fill - Did the plan specify that the fill shall				
meet the specification of 310 CMR 15.255(3)? Impervious barrier and/or retaining wall? [Guidance Document]	/			
Impervious barrier installation must be supervised by designer [310 CMR 15.255(2)(b)]	\checkmark			
Retaining wall must be designed by Registered Professional Engineer [310 CMR 15.255(2)(a)]	\checkmark			
Side slope not exceed 3:1 ? [310 CMR 15.255(2)]		√	/	
Breakout requirements met? [310 CMR 15.252(2) and Guidance Document]				
At least 5 ft. from impervious barrier to edge of SAS (10 ft. recommended) [310 CMR 15.255 (2)(e)]	/			

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						,

Gravelless System [I/A Approval Letters]	1		
Check DEP Approval letters for credits and design conditions		No. 100-10 fee	
If used with pressure dosing do not allow pressure discharge to scour soil interface	/		
Alternative Septic System [I/A Approval Letters]			
Was DEP Approval Letter provided and/or have you reviewed the letter for conditions?	√		
Is the technology being properly applied and does it meet all DEP Approval Conditions?	1		
Is there a note on the plan regarding the requirement for perpetual maintenance agreement?			
Any alarms involved on separate circuits			
Did the applicant submit an operation and maintenance manual?			
Has applicant submitted a copy of a maintenance agreement?			
Variances			
Are the variances listed on the plan? [310 CMR 15.220 (4) (p)]	√		
RLS Stamp necessary on plan if a component is within five feet of property line [310 CMR 15.412(4)]	/		
New construction or increased flow proposed - [Refer to 310 CMR 15.414]	/		
Nitrogen Sensitive Areas	N/A	OK	No
Is the system in a Designated Nitrogen Sensitive Area (Zone II for a public supply well)? [310 CMR 15.214, 310 CMR 15.215 and 310 CMR 15.216 - also refer to Policy regarding upgrades of such existing systems]			
Is the system proposed on the same lot as served by private well ? [310 CMR 15.214(2)]			
Are the nitrogen loads proposed in compliance? [310 CMR 15.216(1)]	1		
Miscellaneous			/
Pumping to septic tank? [310 CMR 15.229]			1
Shared System [310 CMR 15.290]			/

*		

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COMMONWEAU	TH OF MASSACHUSETTS
Board of Health,	1
	a a z a de a c
APPLICATION FOR DISPOSA	AL SYSTEM CONSTRUCTION PERMITALTH OF MAIN
Application for a Permit to Construct() Repair Upgrade() Abandon() - Complete System - Composition Composition
Location 374 OLD Menta	Owner's Name Steve bross
Map/Parcel# 7C /25	Address 374 old Montager, Co.
Lot# #25	Telephone# 549 -0168
Installer's Name KARL'S Site Work	Designer's Name Alan Wers 15
Address Hadh, MA.	Address Bolche Aoun
Telephone# 549-5396	Telephone# 4/3-323-5957
Type of Building Residence	Lot Size 2.64 Ac sq.
-/F	1.ot Size 2.07 77 sq.
	No. of persons Showers (), Cafeteria (
Other Fixtures	
	ated design flow 440 4110 Design flow provided 559 g
	Revision Date
Description of Soil(s)	Albeiro - Itulia
Soil Evaluator Form No Name of Soil I	Evaluator Aweis S Date of Evaluation 6/11/13
DESCRIPTION OF REPAIRS OR ALTERATIONSXlow	
DESCRIPTION OF REPAIRS OR ALTERATIONS	Cours Media
Inspections_	
Inspections	
Inspections	FEE
No COMMONWEAL	TH OF MASSACHUSETTS
No COMMONWEAL Board of Health,	TH OF MASSACHUSETTS
No COMMONWEAL Board of Health,	TH OF MASSACHUSETTS
Inspections COMMONWEAL Board of Health, CERTIFICAT Description of Work: □ Individual Component(s) □ Comp	TH OF MASSACHUSETTS, MA. E OF COMPLIANCE
Inspections COMMONWEAL Board of Health, CERTIFICAT Description of Work: □ Individual Component(s) □ Component	FEE
No COMMONWEAL Board of Health, CERTIFICAT Description of Work: □ Individual Component(s) □ Component The undersigned hereby certify that the Sewage Disposal System by:	TH OF MASSACHUSETTS, MA. E OF COMPLIANCE lete System n; Constructed (), Repaired (), Upgraded (), Abandoned ()
No COMMONWEAL Board of Health, CERTIFICAT Description of Work: □ Individual Component(s) □ Component The undersigned hereby certify that the Sewage Disposal System by: at	TH OF MASSACHUSETTS, MA. E OF COMPLIANCE lete System n; Constructed (), Repaired (), Upgraded (), Abandoned ()
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Inspections COMMONWEAL Board of Health, CERTIFICAT Description of Work: □ Individual Component(s) □ Component	TH OF MASSACHUSETTS, MA. E OF COMPLIANCE lete System n; Constructed (), Repaired (), Upgraded (), Abandoned () IR 15.00 (Title 5) and the approved design plans/as-built plans relating broved Design Flow(gpd)
Inspections COMMONWEAL Board of Health, CERTIFICAT Description of Work: □ Individual Component(s) □ Component The undersigned hereby certify that the Sewage Disposal System by: at has been installed in accordance with the provisions of 310 CM application No, dated App Installer Designer: Inspector:	FEE
Inspections COMMONWEAL Board of Health, CERTIFICAT Description of Work: Individual Component(s) Component The undersigned hereby certify that the Sewage Disposal System by:	FEE
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FORM 11 - SOIL EVALUATOR FORM Page 1 of 3

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

Licensed Site Professional Registered Sanitarian Hydrogeologist President

·Wetland Consults ·Soil and Water Testing •21E Site Investigations ·Percolation Tests and

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

Date: 6/1/13 •Septic Designs
•Title 5 Inspections

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

Performed By: A Weiss	Date	6/11/13
Witnessed By: E. 5mith.	Date.	6/11/13
	1.0	
1001 Dox 1 374 old Montague 20		gue Road
New Construction Repair	413-549-026	8 (mobile)
Office Review	· · · · · · · · · · · · · · · · · · ·	((F.OBITE)
Published Soil Survey Available: No Yes [₫ '	
Year Published Publication Scale Drainage Class Soil Limitations	Soil Map Uni	l .
Surficial Geologic Report Available: No 🗌 Yes [
Year Published Publication Sca	le	
Geologic Material (Map Unit)	12 × 100 ×	
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 Belc v Norma	ı 🔲	,
Other References Reviewed:		



Location Address or Lot No. 374 old Montague ND-

On-site Review

	¥
Deep Hole Number 1 > 2 Date: 6/11/13 Time: 1000 Weather Moures	1
Location (identify on site plan) Weather Weather	
1-111 1/0-1-1-	<u> </u>
Vegetation Mixed Deciduos. Surface Stones Few	
Landiorm Temado	
Position on landscape (sketch on the back)	
Distances from:	,
Open Water Body 100 + feet Drainage way 100 + feet	
Possible Mars A LAND	
Drinking More M. 100'	
Tow Web.	
DEEP OBSERVATION HOLE LOG*	THE STATE OF THE S
Depth from Soil Horizon Soil Transit Control	
Depth from Soil Horizon Soil Texture Soil Color Soil Other (USDA) (Munsell) Mottling (Structure, Stones, Boulders, Consistence	y, %
0-6" An FS(10 3/ CS 0 C. //	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
245/08 C, FS 2.545/3 7.5426 F. Said + Med Sad.	the state of the s
21-3/00 CI	1
0 5" AD [104x3/3	
8-26" BJ 15 10, RTG)	7
	11
co-106 C1 +S/s 3/	
7. Sye 48 ()	
F. Sud to C. Sad.	1
MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA	
Parent Mararial (contraint M. V. id.	
Depth in Groundwaren C	
Depth to Groundwater: Standing Water in the Hole: Not Weeping from Pit Face: Weeping from Pit Face:	**
Estimated Seasonal High Ground Water: 80 "	
DEP APPROVED FORM - 77/07/05	

-			

Lacation Address or Lot No. 374 old Markeyore RD_

COMMONWEALTH OF MASSACHUSETTS

Amfost , Massachusetts

	Percolation	Test*
Date: 6	111/13	Time: 10'00
Observation Hole #	P	
Depth of Perc	40"	0, -
Start Pre-soak	10:14	Kepail
End Pre-soak	10'.79	
Time at 12°	1029	
Time at 9"	10'-31	
Time at 6"	- 2:37	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
· Time (9"-6")	42	17.
Rate Min./Inch	47	

*Minimum of 1 percolation test must be performed in both the primary area AND site Passed Site Failed

Performed By: Au Wass RS

Witnessed By: Ed Smith

Comments:



×		

Location Address or Lot No. 374 old Montague B

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 & 60 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? S
Certification
I certify that on 695 (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 6/11/13
ALAM E. WEISS NY REG. #933 NY SET IS



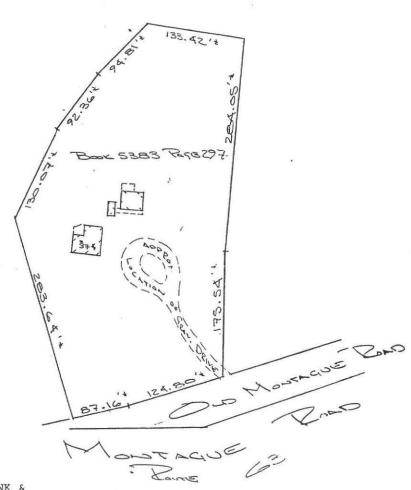
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-NOTE-

THIS PLAT IS COMPILED FROM DEEDS, PLANS AND OTHER SOURCES AND IS NOT TO BE CONSTRUED AS AN ACCURATE SURVEY AND IS NOT TO BE RECORDED.

BUILDING LOCATION ACCURACY IS NOT GUARANTEED

SELECT TO AND TOGETHER BUTTON BUTTON OF WAYS OF RECORD



TO: PEOPLES SAVINGS BANK & FIRST AMERICAN TITLE INSURANCE COMPANY

TO THE BEST OF MY INFORMATION, KNOWLEDGE AND BELIEF
I HEREBY REPORT THAT I HAVE EXAMINED THE PREMISES AND BASED ON EXISTING
MONUMENTATION ALL VISIBLE EASEMENTS, ENCROACHMENTS AND BUILDINGS ARE LOCATED ON
THE GROUND AS SHOWN AND THAT THE BUILDINGS ARE ENTIRELY WITHIN THE LOT LINES,
EXCEPT AS NOTED. I FURTHER REPORT THAT THE PROPERTY IS NOT LOCATED WITHIN
A FLOOD PRONE AREA AS SHOWN ON FEDERAL FLOOD INSURANCE MAPS FOR
COMMUNITY # 250156

SURVEYOR: Randall E. Ign



THIS PLAT FOR MORTGAGE LOAN PURPOSES ONLY AND DOES NOT CONSTITUTE A PROPERTY SURVEY

-MORTGAGE LOAN INSPECTION PLAT-

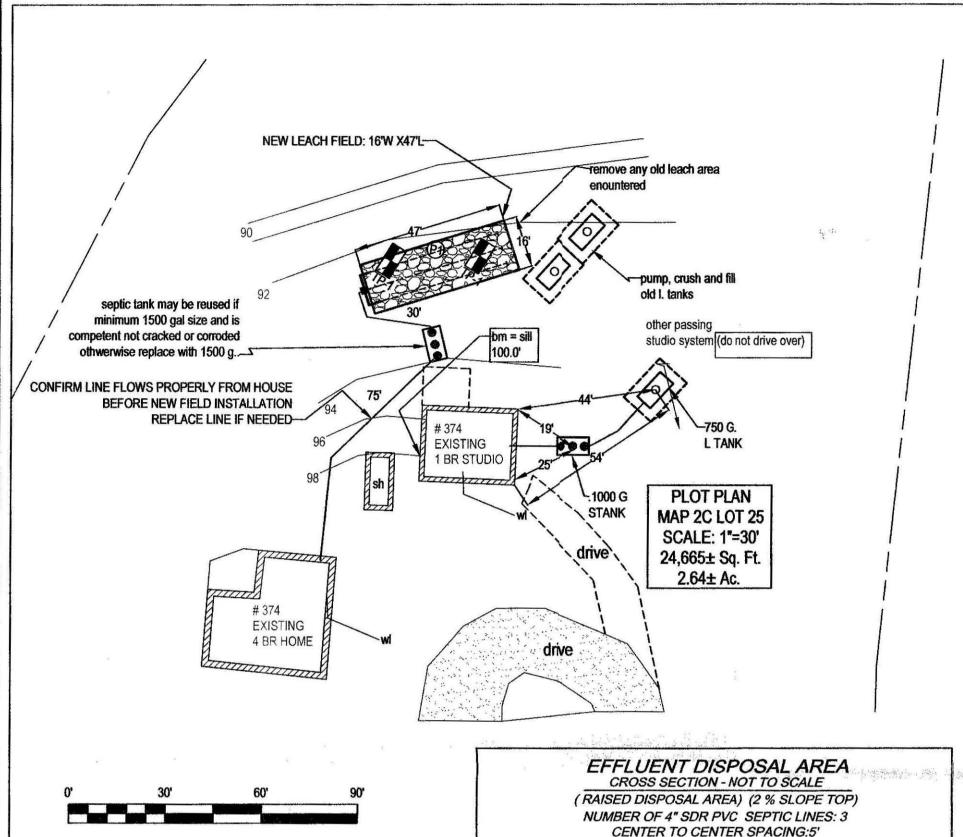
AMHERST, MASSACHUSETTS
PREPARED FOR
JANE A. SINAUER

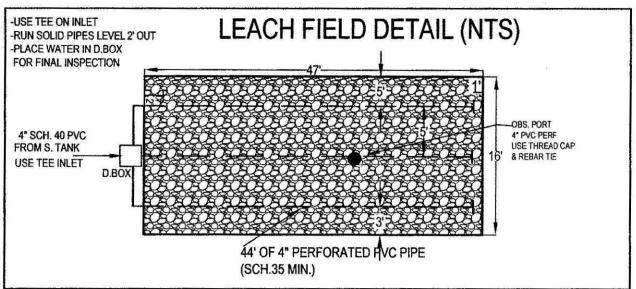
SCALE: 1"=100'

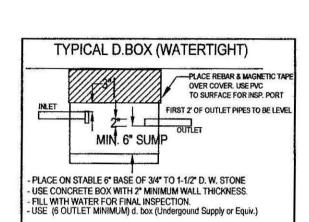
APRIL 25,2003

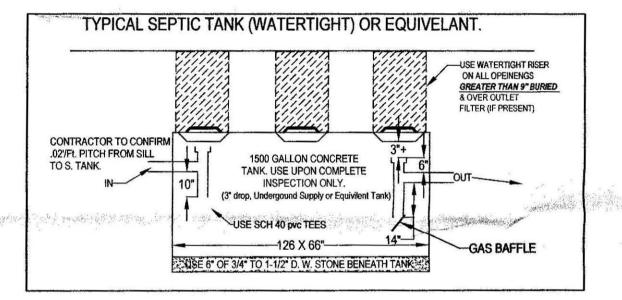
HAROLD L. EATON AND ASSOCIATES, INC. REGISTERED PROFESSIONAL LAND SURVEYORS 235 RUSSELL STREET — HADLEY — MASSACHUSETTS

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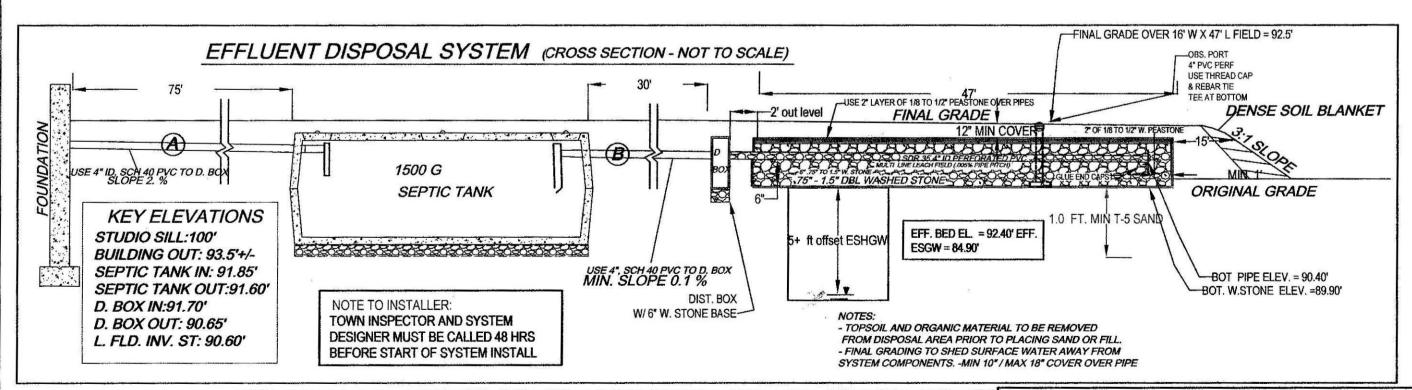








USING EXISTING SEPTIC TANKS: AN EXISTING 1,500 GALLON TANK CAN BE USED IF UPON INSPECTION BY THE INSTALLING CONTRACTOR. IF THE TANK IS INSPECTED AND PUMPED AND FOUND TO BE STRUCTURALLY SOUND & WATERTIGHT AT THE TIME OF THE SUBGRADE INSPECTION. IF BAFFLES ARE NOT BUILT IN, THAN SCH 40 PVC TEES MUST BE ADDED. IF TANK IS NOT SOUND THAN, NOTIFY ENGINEER IMMEDIATELY IN ORDER TO ACCOMODATE A NEW 1,500 GALLON (MIN.) SEPTIC TANK. MUST BE MIN 1500 GAL



1' MIN T-5 SAND

GRAVITY SLOPE SEPTIC SYSTEM OPERATION AND MAINTENANCE NOTES FOR HOMEOWNER.

FINAL GRADE

DENSE SOIL BLANKET

.) 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. 4.) USE ONLY LIQUID DETERGENTS & LOW FLOW WASHERS.

NOTE TO HOMEOWNER AND CONTRACTOR CONNECTIONS FROM HEATING SYSTEM, AIRCONDITIONERS, SUMP PUMPS. WATER WELL FILTRATION UNITS AND HEAT PUMPS ARE NOT ALLOWED, SANITARY WATER CONNECTIONS ONLY PERMITTED.

ATTENTION INSTALLER!!

NOT AN ACTUAL SURVEY!!

LINES DRAWN FOR SEPTIC

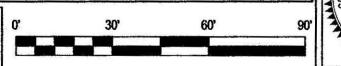
LOCATION PUROPSES ONLY

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

NOTE: INSTALLER MUST CONTACT ENGINEER/BD OF HEALTH 48 HOURS PRIOR TO 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 APPROVAL WILL NOT BE GIVEN TO BACKFILL.

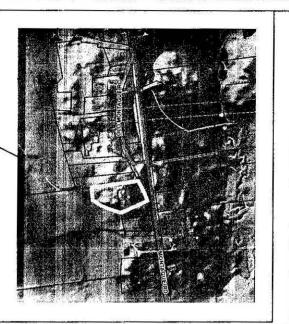
ORIGINAL GRADE

4" ID SDR 35 PVC





SUBJECT LOCATION



DESIGN NOTES AND CALCULATIONS:

1.) 4-5 (BEDRO(OM HOME) = 550 GPD MIN.REQUIRED.

-Use LEACHING FIELD 16' WIDE X 47' LONG WITH 6" OF 3 TO 12 DBL WASHED STONE BELOW INVERT:

- BOTTOM /AREA: L. FIELD(16' W X 47' L) =752 SF.
- TOTAL ARREA: 752SF X .74 GAL/SF =556.5 GPD PROVIDED.
- . GARBAGE DISPOSAL NOT PERMITTED.(A/C AND FURNACE CONDENSATE TUBES NOT ALLOWED)
- I. NO PRIVATE WIELLS WITHIN 100 FEET OF SAS.
- 5. NO OTHER WETTLANDS WITHIN 100 FEET OF SAS,
- 6. USE S. TANK AS NOTED & MAINTAIN 0.02 PITCH FROM SILL TO S. TANK
- INSTALL & INSPECT SCH. 40 TEES / BAFFLES (10" INLET, 14" OUTLET),
- ALL COMPONIENTS OF NEW SYSTEM MUST BE MARKED WITH MAGNETIC TAPE. BE
- SURE TO MAIINTAIN 3" CLEARANCE FROM TOP OF TEES TO BOTTOM OF TANK COVERS & BOXES.
- USE LARGE STYLE (6 OUTLET) D.BOX ONLY. 7A ALL D. BOX ONUTLET 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.
- 7B ANY /ALL PLASTIC RISERS MUST BE SECURED WITH STAINLESS STEEL SCREWS.
- 8. -USE (.75"-1 1//2") STONE UNDER TANK & D. BOX FOR 6" FOR STABLE BASE.
- -USE ONLY DBL. WASHED APPROVED(.75"-1.5") FOR PLACEMENT IN LEACH AREA. 3. USE PROPER SICH. 40 PVC TEES AS SHOWN.
- PRE & POST CONTOURS NOTED AS NECESSARY, RESERVE AS NOTED (not required for repairs).
- SLOPE CALCS; (SEE CONTOURS). SUBGRADE INSP. REQ'D.
- 13. USE FIELD DUBE TO TOPOGRAPHY AND SPACE OF LOT WITH RESPECT TO LOCATION AND
- ELEVATION OF RESIDENCE & ESHGW (310 CMR 15.240)
- 14. USE 2% MIN. SLOPE OVER SAS
- CLEAR TOP AND SUB TO BASE OF RESTRICTIVE LAYER 26" MIN. AS NEEDED (INSPECTION REQUIRED).
- UNDER BED PRIOR TO TITLE V SAND/STONE PLACEMENT.
- EXCAVATE EXISTING LOAM, SUB AND ANY EXISTING DEBRIS, DIRTY FILL OR PRIOR SYSTEM IF PRESENT. SOIL EVALUATION BY A. WEISS, RS. (E. SMITH, BOH AGENT).
- DEPTH OF PIERC, 40"
- PERC RATE = <2 MIN/IN,
- CLASS 1, SAIND SOIL RATING
- 16. NO TREES WIITHIN 10 FT. OF NEW LEACH AREA.
- 17. ENGINEER TO) INSPECT SUBGRADE, TOWN AND ENGINEER INSPECT AT FINAL.
- 18. BM=100.00 @ ((SILL.., as noted), CONFIRM PROPER PIPE SLOPES - USE/INSPEC:T SCH. 40 PIPE FOR PIPE FROM HOUSE TO NEW OR EXISTING TANK
- 19. GRADE MULCIH AND SEED OVER SAS AS NOTED.
- INSTALLATION IN LOW GROUNDWATER SEASON RECOMMENDED.
- 21. USE OBSERVIATION PORT NEAR CENTER OF STONE BED HAVE 4" PERFORATED, PVC INSPECTION PORTALS TO BOTTOM O/F STONE BED, WITH RISER TO 3" OF SURFACE & THREADED CAP & MARK WITH RE-BAR..

TE:	TEST PIT LOG:				SOIL EVALUATOR: A. WEISS, RS			D	DATE OF EVALUATION: 06.11.2013	
TP 1 92.40'			TP 2. EL	TP 2. ELEV:						
DEPTH:	HORIZ:	TEXTURE:	COLOR (MUNSELL):	MATERIAL:	DEPTH:	HORIZ:	TEXTURE:	(MUNSELL):	MATERIAL:	
0-6"	A	FSL	10 YR 3.3	f. SANDY FRIABLE	0-8"	Α	FSL	10 YR 3	.3	
6-24"	Bw	LS	10 YR 5.6	F. SANDY	8-26"	Bw	LS	10 YR 5.6	F. SANDY	
24-108"	C1	FS	2.5 Y 5.3	F-CSAND GRANULAR	26-106"	C1	FS/LS	2.5 Y 5.3	- C SAND	
	+	-2.3000				-			 	
OXIDES	778		90"	7.5 YR 6.8	OXIDES	:		90"	7.5 YR 6.8	
EHWT: 62"				64"						
STANDING H2O: 100"		STANDING H2O: 100"								
WEEPING: 96"		WEEPING: 96"		96"						
BEDRO	CK:		120" -126+		BEDRO	CK:				

SEPTIC DESIGN REPAIR PLAN FOR STEVE GROSS 374 OLD MONTAGUE ROAD

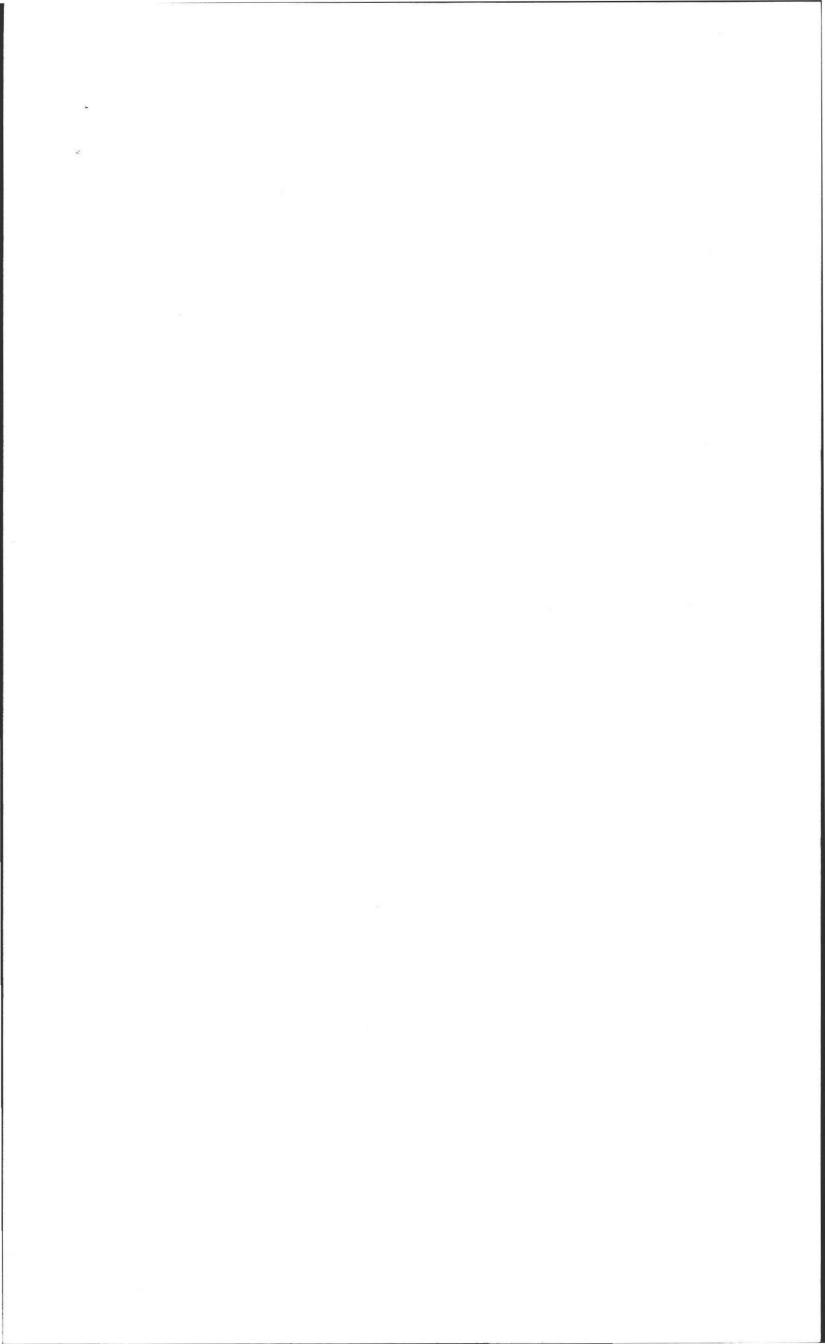
AMHERST, MA

Cold Spring Environmental Consultants Inc. 350 Old Enfield Road

Belchertown, W.A. 01007 PHONE: (413) 323-5957 FAX: (413) 323-4916 c-Mail: AEWEISS@charter.net

DRAWN BY: REVISED: **ALAN WEISS** 6.24.201:3 DRAWING NUMBER: 113-4111-00529 1"=30"

	FEE
COMMONWEALTH OF MASSACHUSETTS	
Board of Health, AmheSt., MA.	<i>></i>
	TO S CONTRACTOR OF STREET
CATION FOR DISPOSAL SYSTEM CONSTRUCTION P	FRATER OF THE
Construct() Repair Upgrade() Abandon() - Complete System - Indi	ividual Compositions
OLD Menta Owner's Name Steve bross	THE WAY TO SEE THE SEE
125 Address 374 old Montag	with the
#25 Telephone# 549-610	The same
1'S Site Work Designer's Name Alai Weiss	
au i, my.	
7549-5396 Telephone# 413-323-5	
Residence, Lot Siz	ze 2.64 7/- sq
4.5	Garbage grinder
No. of persons	_ Showers (), Cafeteria
	en l
	provided 559
She Espair Plas.	
11.12.5	11/1/2
Name of Soil Evaluator Awers Date of Evalua	ation 6/11/13
XI III A TON	as needed)
SORALTERATIONS Klew leach Aren, (Tank	di riccooly
nstall the above described Individual Sewage Disposal System in accordance with the teethe system in operation until a Certificate of Compliance has been issued by the Date 6/16/13	Board of Health.
te the system in operation until a Certificate of Compliance has been issued by the Date 6/16/13	Board of Health.
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COMMONWEALTH OF MASSACHUSETTS Board of Health,, MA.	Board of Health.
COMMONWEALTH OF MASSACHUSETTS Board of Health,, MA. CERTIFICATE OF COMPLIANCE	Board of Health.
COMMONWEALTH OF MASSACHUSETTS Board of Health,, MA. CERTIFICATE OF COMPLIANCE dividual Component(s) Complete System	Board of Health.
COMMONWEALTH OF MASSACHUSETTS Board of Health,, MA. CERTIFICATE OF COMPLIANCE dividual Component(s) □ Complete System crify that the Sewage Disposal System; Constructed (), Repaired (), Upgraded (FEE
COMMONWEALTH OF MASSACHUSETTS Board of Health,, MA. CERTIFICATE OF COMPLIANCE dividual Component(s) Complete System	FEE
COMMONWEALTH OF MASSACHUSETTS Board of Health,, MA. CERTIFICATE OF COMPLIANCE dividual Component(s) □ Complete System rtify that the Sewage Disposal System; Constructed (), Repaired (), Upgraded (lance with the provisions of 310 CMR 15.00 (Title 5) and the approved design plan lance with the approved design plan certify that the sewage Disposal System; Constructed (), and the approved design plan certify that the provisions of 310 CMR 15.00 (Title 5) and the approved design plan certify that the provisions of 310 CMR 15.00 (Title 5) and the approved design plan certify the constructed (), and the approved design plan certify that the provisions of 310 CMR 15.00 (Title 5) and the approved design plan certify that the provisions of 310 CMR 15.00 (Title 5) and the approved design plan certify that the provisions of 310 CMR 15.00 (Title 5) and the approved design plan certify that the provisions of 310 CMR 15.00 (Title 5) and the approved design plan certify that the provisions of 310 CMR 15.00 (Title 5) and the approved design plan certify that the provisions of 310 CMR 15.00 (Title 5) and the approved design plan certify that the provisions of 310 CMR 15.00 (Title 5) and the approved design plan certify that the provisions of 310 CMR 15.00 (Title 5) and the approved design plan certify that the provisions of 310 CMR 15.00 (Title 5) and the approved design plan certify that the provisions of 310 CMR 15.00 (Title 5) and the approved design plan certify that the provisions of 310 CMR 15.00 (Title 5) and the approved design plan certify that the provisions of 310 CMR 15.00 (Title 5) and the approved design plan certify that the provisions of 310 CMR 15.00 (Title 5) and the approved design plan certify that the provisions of 310 CMR 15.00 (Title 5) and the approved design plan certify that the provisions of 310 CMR 15.00 (Title 5) and the approved design plan certify that the provisions of 310 CMR 15.00 (Title 5) and the approved design plan certify that the provisions of 310 CMR	FEE
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COMMONWEALTH OF MASSACHUSETTS Board of Health,, MA. CERTIFICATE OF COMPLIANCE dividual Component(s) □ Complete System rtify that the Sewage Disposal System; Constructed (), Repaired (), Upgraded (lance with the provisions of 310 CMR 15.00 (Title 5) and the approved design plange, dated (gpd)	FEE
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COMMONWEALTH OF MASSACHUSETTS Board of Health,, MA. CERTIFICATE OF COMPLIANCE dividual Component(s)	FEE
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COMMONWEALTH OF MASSACHUSETTS Board of Health,, MA. CERTIFICATE OF COMPLIANCE dividual Component(s)	FEE
COMMONWEALTH OF MASSACHUS Board of Health,	ETTS A.), Upgraded (coved design pla (gpd) Date: as designed. ETTS A. ERMIT () an individual as described.



aeweiss@charter.net

FORM 11 - SOIL EVALUATOR FORM Page 1 of 3

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

Licensed Site Professional Registered Sanitarian Hydrogeologist President

•Wetland Consults
•Soil and Water Testing
•21E Site Investigations
•Percolation Tests and

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

**Percolation Tests and
*Septic Designs
*Title 5 Inspections

**Commonwealth of Massachusetts

Soil Suitability Assessment for On-site Sewage Disposal

Performed By: H. Weiss	Da	te: 1 -
Witnessed By: E. 5m.th.	Da	te: 6/11/13
Location Address or	Owner: Marrie Steve and C	and famss
374 old Montague (1)	Address, and 374 old Mon Telephone 1 Am herst, 10	tague Road
New Construction Repair	413-549-02	(88 (mahila)
Office Review	112 211-20	(FICOLIE)
Published Soil Survey Available: No Yes		
Year Published Publication Scale Drainage Class Soil Limitations	Soil Map L	Init
Surficial Geologic Report Available: No 🗌 Yes [
Year Published Publication Sca	le	
Geologic Material (Map Unit) Landform		11 e 1
Flood Insurance Rate Map:		el.
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 Belciv Norma	ıl 🔲	*
Other References Reviewed:		



¥			
•			

i/

Location Address or Lot No. 374 old Montague ND-

DEP APPROVED FORM - 12/07/95

On-site Review

Deep Hole Number	37 5 /	11/12	- 1M	a North	A. as
7	1(2)	11/1/5	Time: 10.	veatne	JIVOULE Z.
Location (identify on site			**,* ***, ***,		· · · · · · · · · · · · · · · · · · ·
Land Use Vegitati		(%)_Z	_ Surface S	Stones _ Feu	
Vegetation Mrxad	Recidur 3	•			
Landiorm Te May	00 -		1 1 11 11	and the second second second second	
Position on landscape (s	ketch on the back)		4 .	4 *** A *** **	
Distances from:	. +			"L	
Open Water Bod			e way <u>5</u>		
Possible Wet Are			y Line50		
Drinking Water \	Nell 100+ feet	Other			
Tou	WEN.				
	DEEP OB	SERVAT	ION HO	E LOG*	
Depth from Soil Hor	rizon Soil Texture	Soil Color	Spii		Cie:
Surface (Inches)	(USDA)	(Munsell)	Mording	(Structure, Stones, Bo Gr	ulders, Consistency, %
2/" 10-	Cer	16 -3/		FSady. Fr	266-
0-6" Ap	1	104 123/3		, ,	
6"-24" Bu	LS	10yr3/6	ALV	F. Sarg.	
	- fs	2.545/3	35006	F. S. d + M	ed Sad.
24->108" C.			7.7712 18	1 3210	
- A		A			
0 x" A) FE	104 K 3/3)	~
011	1 150	100 Rtc		/	
8-26	J LS	3	ei		
76" INC" C	· Sel	2.54 /3	90"		
CO -106	1. T7(5.		7. Sye48))
				V.	0
				f. Soud to	C. Sad.
MINIMUM OF 2 H	OLES REQUIRED AT EV	ERY PROPOSE	D DISPOSAL A	AREA .	
Parent Material (geologic)	Outresh		Dept	throBedrock: 106	, ×
Depth to Groundwater: Stan		No-	+	Weeping from Pit Face:	1 1 . 4
Estimated Seasonal High Grou			A		\
Sometro Seasoner riigh Groo	THE TRAILE.				\
,			. \$		\
	•		8		Ì
5	PROVED FORM 22107105				(

Lacation Address or Lot No. 374 old Markywe RD

COMMONWEALTH OF MASSACHUSETTS

Antost , Massachusetts

	Percolation 7	Test*
Date: .6/	11/13	Time: 10! 00
Observation Hole #	P	(0,00
Depth of Perc	40 "	0. :-
Start Pre-soak	10:14	Neparis
End Pre-soak	10'.79	
Time at 12°	1029	- I
Time at 9"	10'-3/	Post Vision of Post V
Time at 6"	- 2:37	
· Time (9"-6")	42	17.
Rate Min./Inch	47	1

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

Site Passed Site Failed Performed By: Ala Wess RS

Witnessed By: Ed Smith

Comments:



E.		

Location Address or Lot No. 374 old Montague B

Determination for Seasonal High Water Table

Method Used:	
Depth observed standing in Depth weeping from side of Depth to soil mottles & 60° Ground water adjustment	observation hole inches inches
Index Well Number Reading	Date Index well level
Adjustment factor Adjuste	ed ground water level
Depth of Naturally Occurring Pervious N	<u>Material</u>
observed throughout the area pro	ally occurring pervious material exist in all areas oposed for the soil absorption system?
Certification	
- FF) and - operation of Li	ate) I have passed the soil evaluator examination avironmental Protection and that the above analysis with the required training, expertise and experience
Signature	Date 6/11/13
,	ALAN C. WEISS NEEL #933 NE



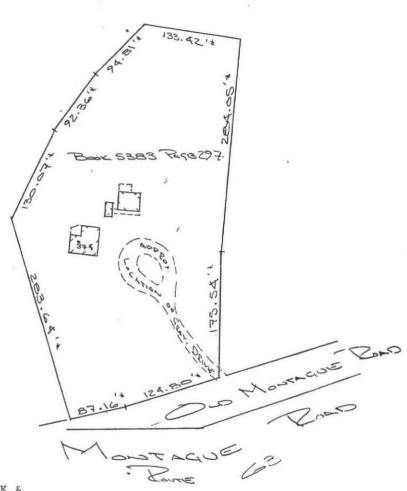
- -			
		<u>«</u>	

-NOTE-

THIS PLAT IS COMPILED FROM DEEDS, PLANS AND OTHER SOURCES AND IS NOT TO BE CONSTRUED AS AN ACCURATE SURVEY AND IS NOT TO BE RECORDED.

BUILDING LOCATION ACCURACY IS NOT GUARANTEED

SELUCE TO AND TOTATETHER WITH EXSEMENTS AND RIGHTS



TO: PEOPLES SAVINGS BANK & FIRST AMERICAN TITLE INSURANCE COMPANY

TO THE BEST OF MY INFORMATION, KNOWLEDGE AND BELIEF
I HEREBY REPORT THAT I HAVE EXAMINED THE PREMISES AND BASED ON EXISTING
MONUMENTATION ALL VISIBLE EASEMENTS, ENCROACHMENTS AND BUILDINGS ARE LOCATED ON
THE GROUND AS SHOWN AND THAT THE BUILDINGS ARE ENTIRELY WITHIN THE LOT LINES,
EXCEPT AS NOTED. I FURTHER REPORT THAT THE PROPERTY IS NOT LOCATED WITHIN
A FLOOD PRONE AREA AS SHOWN ON FEDERAL FLOOD INSURANCE MAPS FOR
COMMUNITY # 250156

SURVEYOR: Randell E. Ign



THIS PLAT FOR MORTGAGE LOAN PURPOSES ONLY AND DOES NOT CONSTITUTE A PROPERTY SURVEY

-MORTGAGE LOAN INSPECTION PLAT-

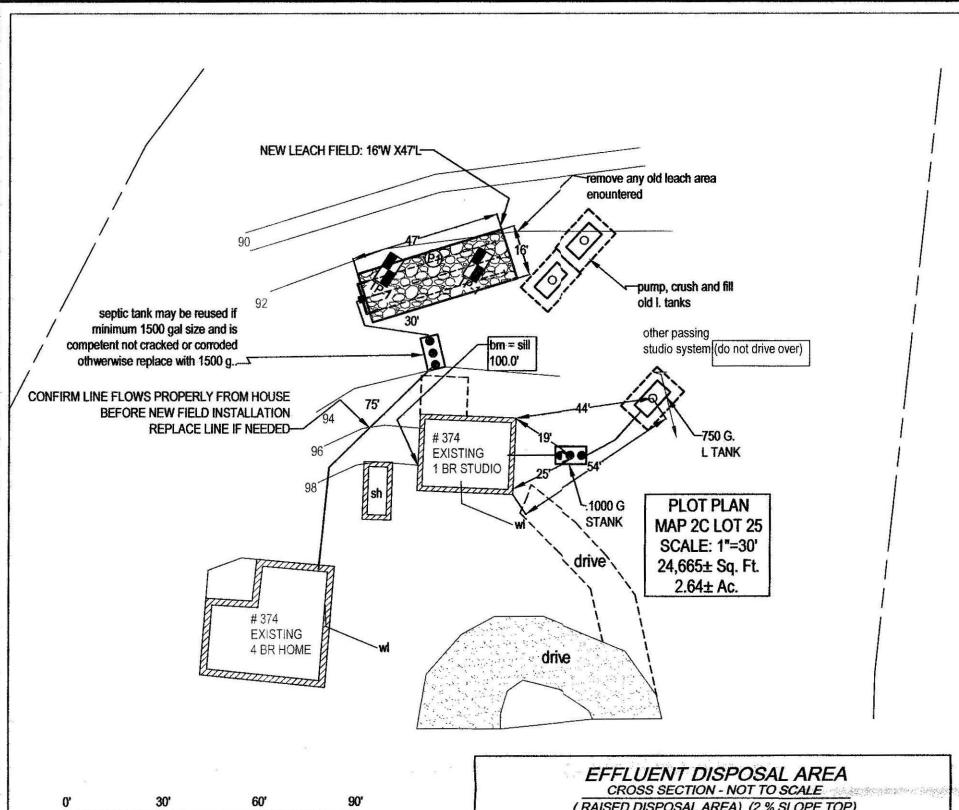
AMHERST, MASSACHUSETTS
PREPARED FOR
JANE A. SINAUER

SCALE: 1"=100'

APRIL 25,2003

HAROLD L. EATON AND ASSOCIATES, INC. REGISTERED PROFESSIONAL LAND SURVEYORS 235 RUSSELL STREET — HADLEY — MASSACHUSETTS

E us			



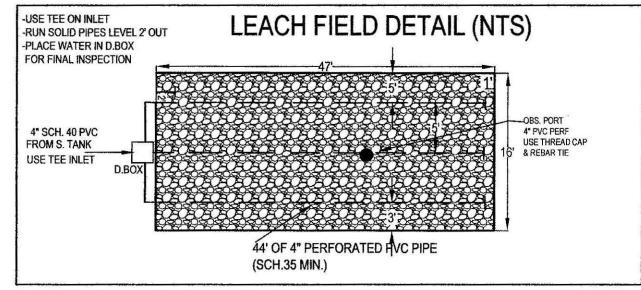
NOT AN ACTUAL SURVEY!!

LINES DRAWN FOR SEPTIC

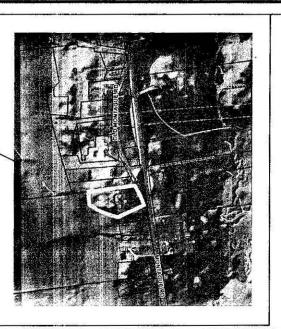
LOCATION PUROPSES ONLY

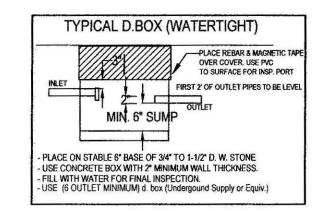
ATTENTION INSTALLER!!

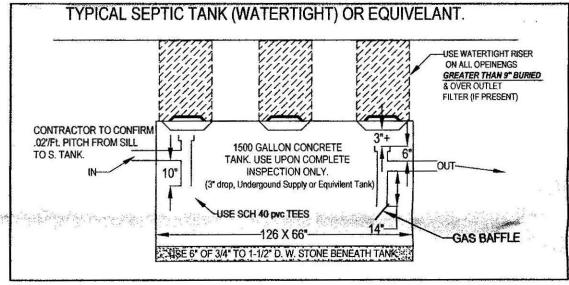
LINES BE MADE A MINIMUM OF 72 HOURS PRIOR TO GROUND BREAK FOR ANY EXCAVATION.

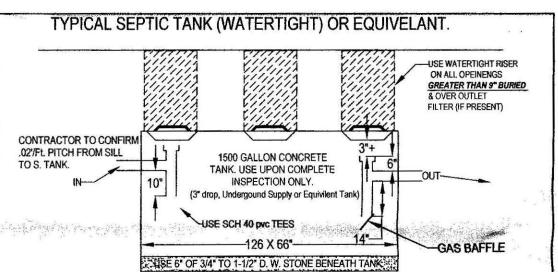




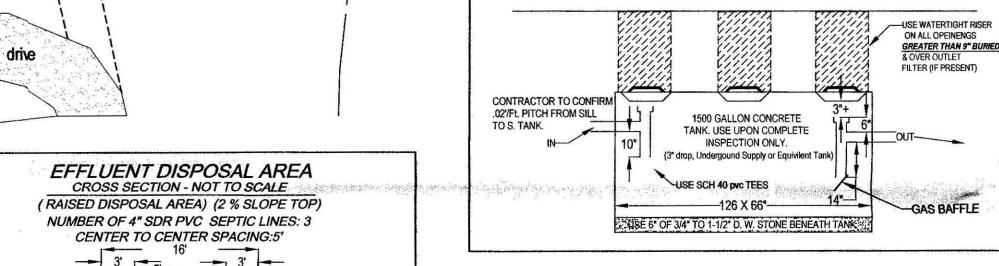








USING EXISTING SEPTIC TANKS: AN EXISTING 1,500 GALLON TANK CAN BE USED IF UPON INSPECTION BY THE INSTALLING CONTRACTOR, IF THE TANK IS INSPECTED AND PUMPED AND FOUND TO BE STRUCTURALLY SOUND & WATERTIGHT AT THE TIME OF THE SUBGRADE INSPECTION. IF BAFFLES ARE NOT BUILT IN, THAN SCH 40 PVC TEES MUST BE ADDED. IF TANK IS NOT SOUND THAN, NOTIFY ENGINEER IMMEDIATELY IN ORDER TO ACCOMODATE A NEW 1,500 GALLON (MIN.) SEPTIC TANK, MUST BE MIN 1500 GAL



FINAL GRADE OVER 16' W X 47' L FIELD = 92.5' EFFLUENT DISPOSAL SYSTEM (CROSS SECTION - NOT TO SCALE) 4" PVC PERF USE THREAD CAP & REBAR TIE __USE 2" LAYER OF 1/8 TO 1/2" PEASTONE OF PIPES TEE AT BOTTOM DENSE SOIL BLANKET -2' out leve 2" OF 1/8 TO 1/2" W. PEASTONE 12" MIN COVER USE 4" ID, SCH 40 PVC TO D. BO 1500 G ORIGINAL GRADE SEPTIC TANK KEY ELEVATIONS 1.0 FT. MIN T-5 SAND EFF. BED EL. = 92.40' EFF. STUDIO SILL:100' ft offset ESHGV ESGW = 84.90' BUILDING OUT: 93.5'+/-USE 4", SCH 40 PVC TO D. BOX MIN. SLOPE 0.1 % SEPTIC TANK IN: 91.85' BOT PIPE ELEV. = 90.40' SEPTIC TANK OUT:91.60' BOT. W.STONE ELEV. =89.90' NOTE TO INSTALLER: D. BOX IN:91.70' W/ 6" W. STONE BASE-TOWN INSPECTOR AND SYSTEM D. BOX OUT: 90.65' - TOPSOIL AND ORGANIC MATERIAL TO BE REMOVED DESIGNER MUST BE CALLED 48 HRS FROM DISPOSAL AREA PRIOR TO PLACING SAND OR FILL. L. FLD. INV. ST: 90.60' BEFORE START OF SYSTEM INSTALL - FINAL GRADING TO SHED SURFACE WATER AWAY FROM SYSTEM COMPONENTS. -MIN 10" / MAX 18" COVER OVER PIPE

1' MIN T-5 SAND

GRAVITY SLOPE SEPTIC SYSTEM OPERATION AND MAINTENANCE NOTES FOR HOMEOWNER.

FINAL GRADE

DENSE SOL BLANKET

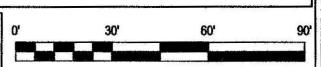
1.) HAVE TANK PUMPED EVERY 2 YEARS. 2.) MAINTAINAREA OVER SEPTIC SYSTEM AS GRASSY OR SIMILAR GROUND COVER. 3.) DO NOT PLANT ANY TREES OR DEEP ROOTING SHRUBS WITHIN 10 FEET OF SYSTEM. 4.) USE ONLY LIQUID DETERGENTS &

LOW FLOW WASHERS.

NOTE: INSTALLER MUST CONTACT ENGINEER/BD OF HEALTH 48 HOURS PRIOR TO 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 APPROVAL WILL NOT BE GIVEN TO BACKFILL.

ORIGINAL GRADE

4" ID SDR 35 PVC



NOTE TO HOMEOWNER AND CONTRACTOR:

CONNECTIONS FROM HEATING SYSTEM, AIRCONDITIONERS.

SUMP PUMPS, WATER WELL FILTRATION UNITS AND HEAT PUMPS

ARE NOT ALLOWED, SANITARY WATER CONNECTIONS ONLY PERMITTED.



DESIGN NOITES AND CALCULATIONS.

1.) 4-5 (BEDROOM HOME) = 550 GPD MIN.REQUIRED,

-Use LEACHING FIELD 16' WIDE X 47' LONG WITH 6" OF 3 TO 12 DBL WASHED STONE BELOW INVERT:

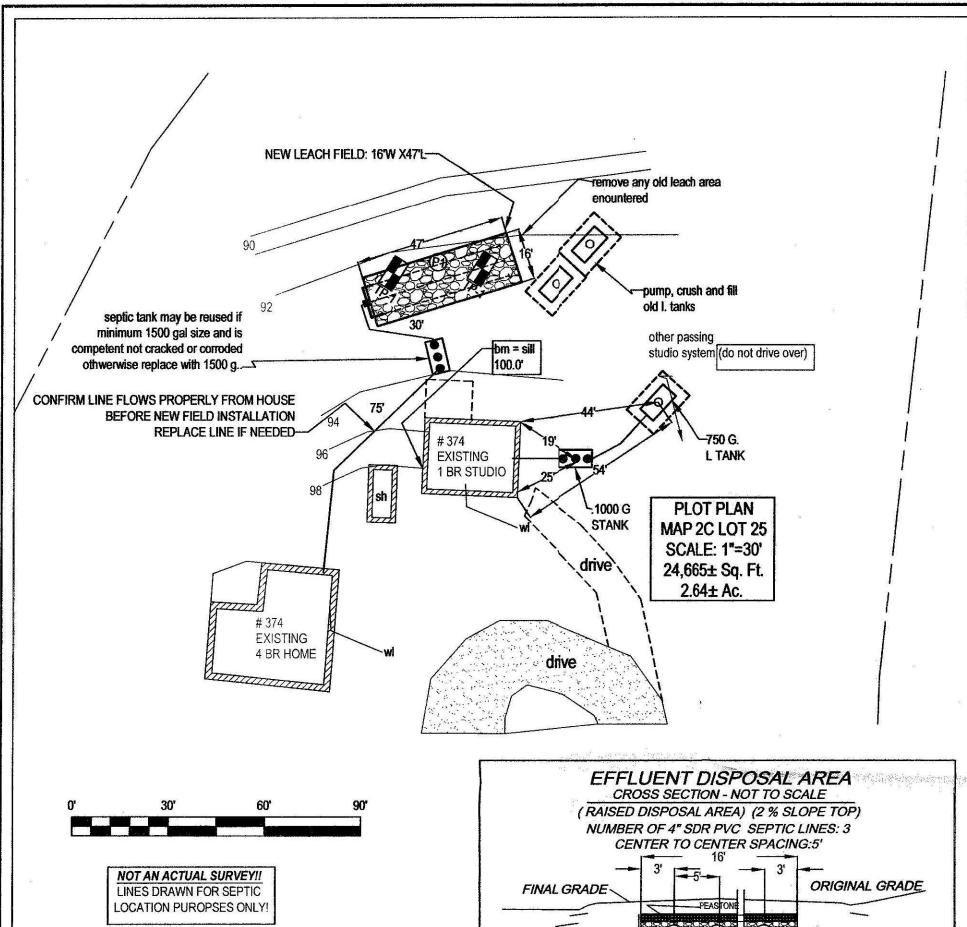
- BOTTOM AREA: L. FIELD(16' W X 47' L) =752 SF.
- TOTAL ARIEA: 752SF X .74 GAL/SF =556.5 GPD PROVIDED.
- . GARBAGE DISPOSAL NOT PERMITTED.(A/C AND FURNACE CONDENSATE TUBES NOT ALLOWED)
- 4. NO PRIVATE WIELLS WITHIN 100 FEET OF SAS.
- 5. NO OTHER WETILANDS WITHIN 100 FEET OF SAS,
- 6. USE S. TANK AS: NOTED & 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 MAINITAIN 3" CLEARANCE FROM TOP OF TEES TO BOTTOM OF TANK COVERS & BOXES.
- USE LARGE STY/LE (6 OUTLET) D.BOX ONLY.
- 7A ALL D. BOX OUITLET 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.
- 7B ANY /ALL PLASTIC RISERS MUST BE SECURED WITH STAINLESS STEEL SCREWS.
- . -USE (.75"-1 1/2") STONE UNDER TANK & D. BOX FOR 6" FOR STABLE BASE.
- -USE ONLY DBL. WASHED APPROVED(.75"-1.5") FOR PLACEMENT IN LEACH AREA.
- 9. USE PROPER SCH. 40 PVC TEES AS SHOWN. 10. PRE & POST COINTOURS NOTED AS NECESSARY, RESERVE AS NOTED (not required for repairs).
- 11. SLOPE CALCS ((SEE CONTOURS). SUBGRADE INSP. REQ'D.
- 13. USE FIELD DUE: TO TOPOGRAPHY AND SPACE OF LOT WITH RESPECT TO LOCATION AND
- ELEVATION OF RESIDENCE & ESHGW (310 CMR 15.240)
- 14. USE 2% MIN. SL:OPE OVER SAS
- CLEAR TOP AND SUB TO BASE OF RESTRICTIVE LAYER <u>26"</u> MIN. AS NEEDED (INSPECTION REQUIRED).
- UNDER BED PPRIOR TO TITLE V SAND/STONE PLACEMENT.
- EXCAVATE EXCISTING LOAM, SUB AND ANY EXISTING DEBRIS, DIRTY FILL OR PRIOR SYSTEM IF PRESENT.
- SOIL EVALUATION BY A. WEISS, RS. (E. SMITH, BOH AGENT). - DEPTH OF PERC. 40°
- -PERCRATE = <2 MIN/IN,
- CLASS 1, SANID SOIL RATING
- 16. NO TREES WITHIN 10 FT. OF NEW LEACH AREA.
- 17. ENGINEER TO INSPECT SUBGRADE, TOWN AND ENGINEER INSPECT AT FINAL.
- 18. BM=100.00 @ (SIILL.., as noted), CONFIRM PROPER PIPE SLOPES
- USE/INSPECT (SCH. 40 PIPE FOR PIPE FROM HOUSE TO NEW OR EXISTING TANK
- 19. GRADE MULCH AND SEED OVER SAS AS NOTED.
- 20. INSTALLATION IIN LOW GROUNDWATER SEASON RECOMMENDED.
- 21. USE OBSERVATION PORT NEAR CENTER OF STONE BED HAVE 4" PERFORATED, PVC INSPECTION PORTALS TO BOTTOM OF STONE BED, WITH RISER TO 3" OF SURFACE & THREADED CAP & MARK WITH RE-BAR...

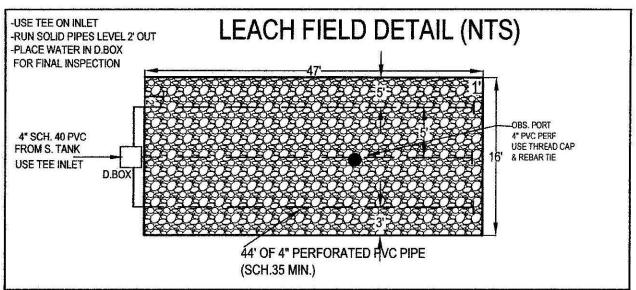
TEST PIT LOG:					SOIL EV	ALUAT /EISS, I		D	DATE OF EVALUATION: 06.11.2013	
					TP 2. EL	TP 2. ELEV:				
DEPTH:	HORIZ:	TEXTURE:	CO)LOR (M(UNSELL):	MATERIAL:	DEPTH:	HORIZ:	TEXTURE:	(MUNSELL):	MATERIAL:	
0-6"	Α	FSL	110 YR 3.3	f. SANDY FRIABLE	0-8"	Α	FSL	10 YR 3.	3	
6-24"	Bw	LS	110 YR 5.6	F. SANDY	8-26*	Bw	LS	10 YR 5.6	F. SANDY	
24-108*	C1	FS	22.5 Y 5.3	F-CSAND GRANULAR	26-106"	C1	FS/LS	2.5 Y 5.3	- C SAND	
				7,200		\vdash				
OXIDES: 190" 7.5 YR 6.8				7.5 YR 6.8	OXIDES:		90"	7.5 YR 6.8		
EHWT: 62"			EHWT: 64"							
STANDING H2O: 1(00"			STANDING H2O: 100"			100"				
WEEPING: 966°		WEEPING: 96"			96"					
BEDRO	CK:		1220* -126+		BEDRO	CK:		-		

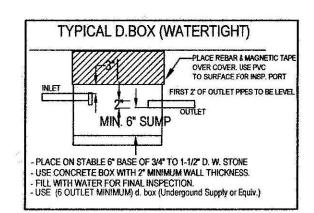
SEPTIC DESIGN REPAIR PLAN FOR STEVE GROSS 374 OLD MONTAGUE ROAD AMHERST, MA

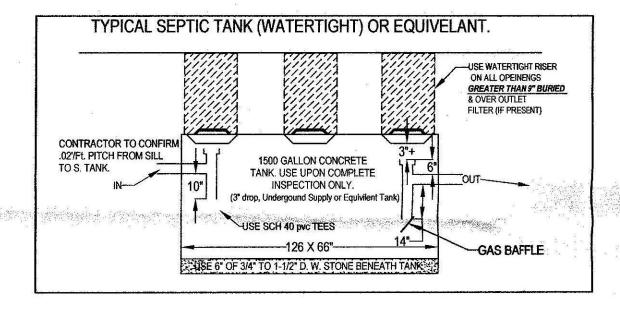
Cold Spring Environmental Consultants Inc. 350 Old Enfield Road Belchertown, MA. 01007

PHONE: (413) 323-5957 FAX: (413) 323-4916	c-Mai	c-Mail: AEWETSS@charter.nct				
DATE: 6.24.2013	DRAWN BY: ALAN WEISS	REVISED:				
SCALE: 1"=30'		DRAWING NUMBER: 113-4111-00529				

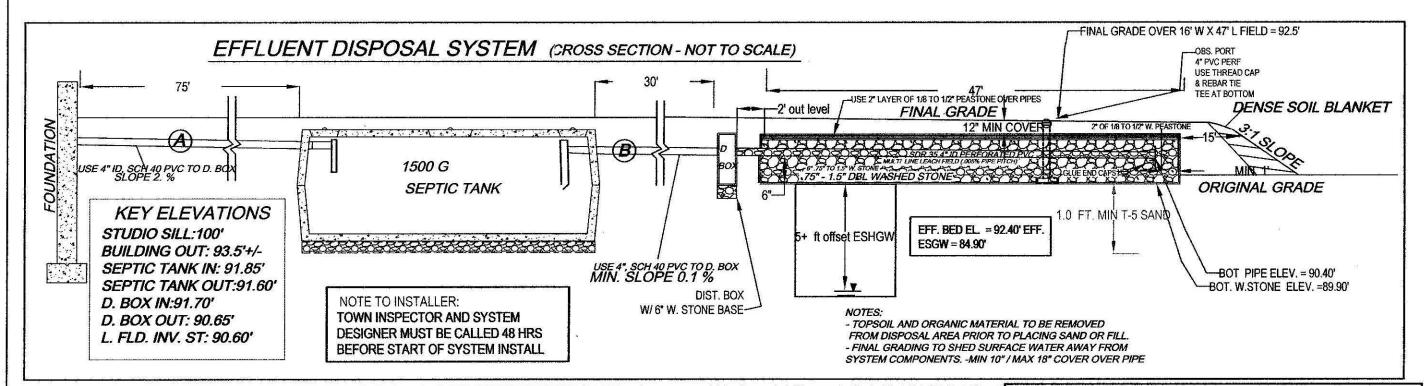








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1' MIN T-5 SAND

GRAVITY SLOPE SEPTIC SYSTEM OPERATION AND MAINTENANCE NOTES FOR HOMEOWNER.

DENSE SOIL BLANKET

I.) 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. 4.) USE ONLY LIQUID DETERGENTS &

NOTE TO HOMEOWNER AND CONTRACTOR: CONNECTIONS FROM HEATING SYSTEM, AIRCONDITIONERS, SUMP PUMPS, WATER WELL FILTRATION UNITS AND HEAT PUMPS ARE NOT ALLOWED, SANITARY WATER CONNECTIONS ONLY PERMITTED.

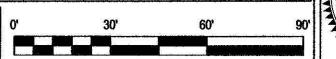
ATTENTION INSTALLER!!

LOW FLOW WASHERS.

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

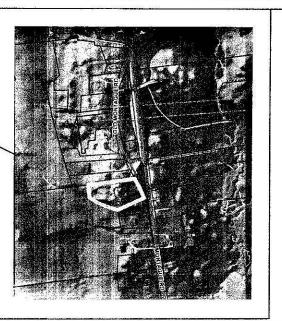
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4" ID SDR 35 PVC





SUBJECT LOCATION



DESIGN NOTES AND CALCULATIONS:

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- INSTALL & INSPECT SCH. 40 TEES / BAFFLES (10" INLET, 14" OUTLET),
- ALL COMPONENTS OF NEW SYSTEM MUST BE MARKED WITH MAGNETIC TAPE. BE
- SURE TO MAIINTAIN 3" CLEARANCE FROM TOP OF TEES TO BOTTOM OF TANK COVERS & BOXES. USE LARGE STIYLE (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.
- 7B ANY /ALL PLAISTIC RISERS MUST BE SECURED WITH STAINLESS STEEL SCREWS.
- B. -USE (.75"-1 1//2") STONE UNDER TANK & D. BOX FOR 6" FOR STABLE BASE.
- -USE ONLY DIBL. WASHED APPROVED(.75"-1.5") FOR PLACEMENT IN LEACH AREA. . USE PROPER SICH. 40 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 DUIJE TO TOPOGRAPHY AND SPACE OF LOT WITH RESPECT TO LOCATION AND ELEVATION OF RESIDENCE & ESHGW (310 CMR 15.240)
- 4. USE 2% MIN. SLOPE OVER SAS
- CLEAR TOP AND SUB TO BASE OF RESTRICTIVE LAYER 26" MIN. AS NEEDED (INSPECTION REQUIRED).
- UNDER BED PRIOR TO TITLE V SAND/STONE PLACEMENT. - EXCAVATE EXISTING LOAM, SUB AND ANY EXISTING DEBRIS, DIRTY FILL OR PRIOR SYSTEM IF PRESENT.
- SOIL EVALUATION BY A. WEISS, RS. (E. SMITH, BOH AGENT).
- DEPTH OF PIERC. 40"

1"=30"

- PERC RATE = <2 MIN/IN,
- CLASS 1, SAIND SOIL RATING
- 16. NO TREES WIITHIN 10 FT. OF NEW LEACH AREA.
- 17. ENGINEER TO) INSPECT SUBGRADE, TOWN AND ENGINEER INSPECT AT FINAL.
- 18. BM=100.00 @ ((SILL.., as noted), CONFIRM PROPER PIPE SLOPES
- USE/INSPECT SCH. 40 PIPE FOR PIPE FROM HOUSE TO NEW OR EXISTING TANK
- 19. GRADE MULCHI 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 OIF STONE BED. WITH RISER TO 3" OF SURFACE & THREADED CAP & MARK WITH RE-BAR..

TEST PIT LOG:					SOIL EV A. W	ALUAT ÆISS, I		D/	DATE OF EVALUATION: 06.11.2013		
TP 1 92.40'				TP 2. ELEV:							
DEPTH:	HORIZ:	TEXTURE:	COLOR (MUNSELL):	MATERIAL:	DEPTH:	HORIZ:	TEXTURE:	COLOR (MUNSELL):	MATERIAL		
0-6"	. A	FSL		f. SANDY FRIABLE	0-8*	Α	FSL	10 YR 3.	3		
6-24"	Bw	LS	10 YR 5.6	F. SANDY	8-26"	Bw	LS	10 YR 5.6	F. SANDY		
24-108"	C1	FS	2.5 Y 5.3	F-C SAND GRANULAR	26-106"	C1	FS/LS	2.5 Y 5.3	F-C SAND		
	1										
OXIDES:			90"	7.5 YR 6.8	OXIDES:		90"	7.5 YR 6.8			
EHWT: 62"			EHWT:			64"					
STANDING H2O: 100"		STANDING H2O:		100"							
WEEPIN	G.		96°		WEEPING:			96"			
BEDRO	CK:		120" -126+		BEDRO	CK:		=			

SIEPTIC DESIGN REPAIR PLAN FOR STEVE GROSS 374 OLD MONTAGUE ROAD

AMHERST, MA

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

PHONE: (413) 3:23-5957 c-Mail: AEWEISS@charter.nct FAX: (413) 323-4916 DRAWN BY: REVISED: **ALAN WEISS** 6.24.2013 DRAWING NUMBER: 113-4111-00529

June 1

374	Soil eve	MOJE &	weather:	shower , y	egetate o DECID
	10:29	- prie	appear to	of hold.	•
ep w	96" to asker	gone.	desen prop. C	age - 50#	÷ †
0-6	AJ	F5C	10 ye 3/3		4. sandy Frieble
6-24°		F5	10 /R 5/6 2,5 9 5/3	7.5 yeu/8	F. Sandy F. Sand to Med. Sand
0-8	179	FSP	10 / 3/2	90° 7.5 yr 6/8	s que
76-10G	Bw C1	LS Fs/CS	10 x65/6 2.5 x 5/3		F. saud to come
	Rooh	,	of he hedroed		
e 540	o standing o weeping	5 wales			
			a.		

		8		

	374 OLD HONTAGUE
	2003 IBR AFT. TITLE J
	SYSTEM ON HOUSE FAILS SAWBY TERRACE
	TOWN WATER /NO WELL
	2 BENTO - 4BR
	email: steve 910552845@ gmail: com
	Send receipt (413) 549-0268
	10:00 DUNE 11, 2013 SOIL EVALUATION Ruley in calcular 1500 gallox sign fant (reglace of
	2 x 200 - T-5 1 x 5/30 - Septic plan reviuo
	18400
430-Rec Camp-Insp	pection Notes-Revised 8-20-10 Page 9 of 12 Page 9 of 12

			4.	

CUST NAME 4 BOLTWOOD AVENUE 05/31/13 CITY, ST, ZIP

***TOWN OF A TOWN HAL AMHERST M REFERENCE DATE/TIME 14:10

CUST NAME

DEPT

AMOUNT

DE HEA011

PERCOLATIO

300.

RECPT TOTAL

300.00 CAROL GROS QUA CHECK

784

CUST NAME 4 BOLTWOOD AVENUE 05/31/13 CITY, ST, ZIP

***TOWN OF A TOWN HAL AMHERST M REFERENCE DATE/TIME 15:07

CUST NAME

0 DEPT

TRUOMA

DE HEA058

TITLE V WI

250.

RECPT TOTAL

250.00 CAROL S GR QUA CHECK

784