Town water

3 Bedrooms
No 6/a

off 101 @ 225 Pl

FORM 11 - SOIL EVALUATOR FORM

No. _____ **Date:** 9/28/00

Commonwealth of Massachusetts
, Massachusetts

Soil Suitability Assessment for On-site Sewage Disposal

Performed By: AL Weiss **Date:** 9/28/00
Witnessed By: David Janowski

Location Address or Lot #	Owner's Name, Address, and Telephone #
New Construction ☐ Repair ☑	Maureen O Lenni 562 Montague Rd 548956

Office Review

Published Soil Survey Available: No ☐ Yes ☐

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 ☐ Below Normal ☐

Other References Reviewed: _____

Location Address or Lot No. 52 Mountain Road ~~176 Hot Hill Rd~~

On-site Review

Deep Hole Number 1 Date: 9/28/00 Time: 10:30 Weather Pt. Cloudy

Location (identify on site plan)

Land Use Rural R-5 Slope (%) 5% Surface Stones Many

Vegetation Rural R-5

Landform Terrace

Position on landscape (sketch on the back)

Distances from:

Open Water Body	100 feet	Drainage way	100+ feet
Possible Wet Area	100 feet	Property Line	50 feet
Drinking Water Well	100 / 100+ feet	Other	

DEEP OBSERVATION HOLE LOG*

Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
HOLE 1					
6"	A	FSL	10YR 3/2		Friable
24"	Bw	FSL	10YR 4/6	None	Friable
	C	S	10YR 4/4		Coarse Sand + gravel 15% cobbles
HOLE 2					

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic) Outwash Depth to Bedrock: None obs.

Depth to Groundwater: Standing Water in the Hole: None Weeping from Pit Face: None

Estimated Seasonal High Ground Water: 132"+

DEP

FORM 12 - PERCOLATION TEST

Location Address or Lot No. 522 Mountain Road

COMMONWEALTH OF MASSACHUSETTS

, Massachusetts

Percolation Test*		
Date: 9/28/20	Time:	
Observation Hole #	(1)	
Depth of Perc	44"	
Start Pre-soak	10:36	
End Pre-soak	10:37 9"	
Time at 12"	10:38	
Time at 9"		
Time at 6"		
Time (9"-6")	CAN'T	Hold Water
Rate Min./Inch		

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

Site Passed ☑ Site Failed ☐

Performed By: AL Weiss

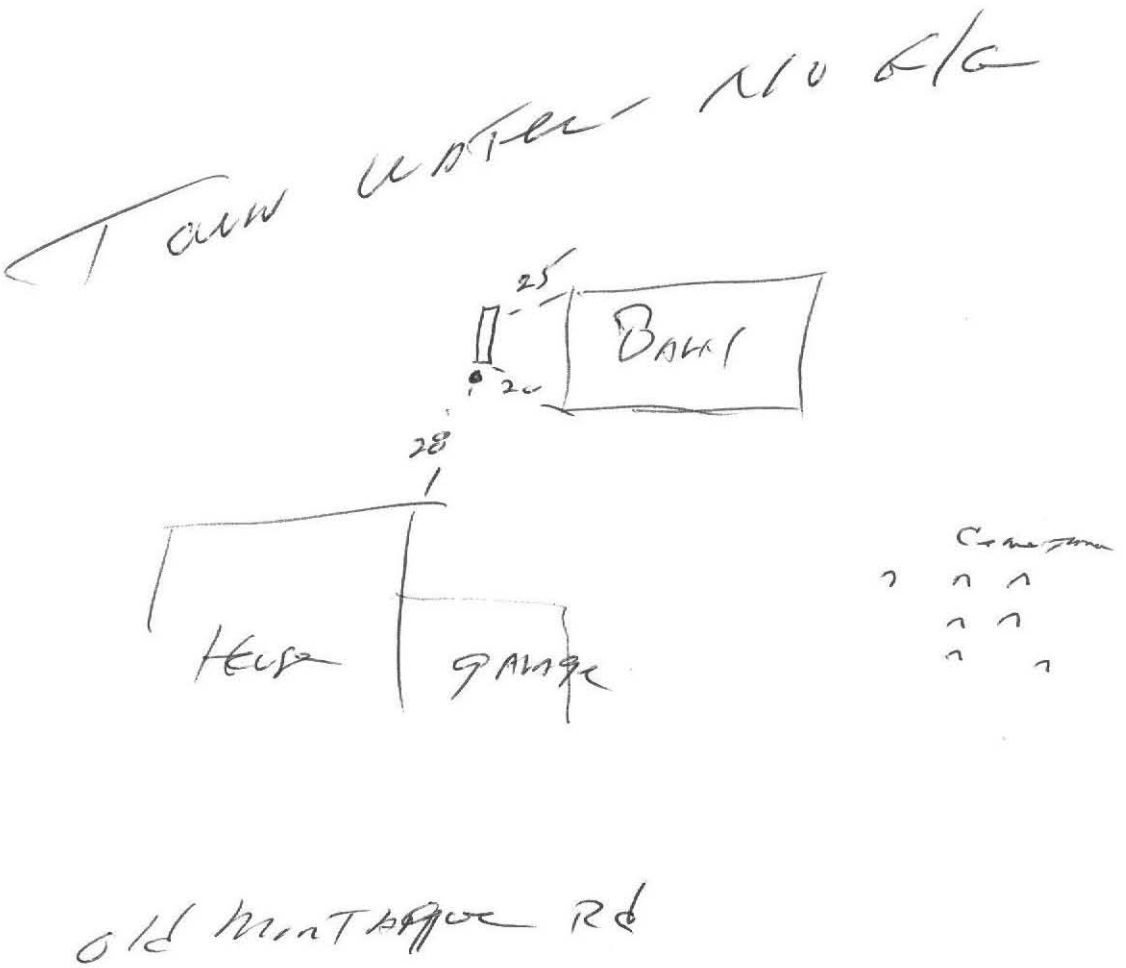
Witnessed By: David Zaremski

Comments:

Over

DEP

DEP APPROVED FORM - 12/07/95


Town water - N/O c/c
25'
20'
BARN
28'
HOUSE
GARAGE
Contours
OLD MONTAGUE Rd

COLD SPRING ENVIRONMENTAL CONSULTANTS, INC.

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

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

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

Date: 9/28/00

Commonwealth of Massachusetts
AMHERST, Massachusetts

Soil Suitability Assessment for On-site Sewage Disposal

Performed By: A. Weiss Date: 9/28/00
Witnessed By: D. ZARCINSKI

Location Address or Lot # 562 Montague Rd.	Owner's Name, Address, and Telephone # Maureen O'Leary 562 Montague Rd. Amherst, MA. 01002 548-9856
New Construction ☐ Repair ☑	

Office Review

Published Soil Survey Available: No ☐ Yes ☑

Year Published 1981 Publication Scale 1:15,840 Soil Map Unit ~~HgA~~ HgB

Drainage Class Excess. Drained Soil Limitations N/A.

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 ☑ Below Normal ☐

Other References Reviewed: _____

Location Address or Lot No. 562 Montague Rd., Amherst

On-site Review

Deep Hole Number TP-1 Date: 9/28/00 Time: 10:00 Weather CLOUDS 50°F

Location (identify on site plan) _____

Land Use Rural Res Slope (%) 5 Surface Stones MANY

Vegetation Rural Res

Landform Terrace

Position on landscape (sketch on the back)

Distances from:

Open Water Body 100'+ feet Drainage way 100'+ feet

Possible Wet Area 100'+ feet Property Line 50' feet

Drinking Water Well 100'+ feet (Town water) Other _____

DEEP OBSERVATION HOLE LOG*

Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
0-6"	A	FSL	10YR 3/2		Friable
6-24"	Bw	FSL	10YR 6/6		Friable
24"-132"+	C	S	10YR 4/4	Not obs.	Coarse sand + gravel, 15% cobbles

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic) Outwash Depth to Bedrock: Not obs.

Depth to Groundwater: Standing Water in the Hole: Not. obs. Weeping from Pit Face: Not. obs.

Estimated Seasonal High Ground Water: 132"+

FORM 12 - PERCOLATION TEST

Location Address or Lot No. 562 Montague Rd., Amherst.

COMMONWEALTH OF MASSACHUSETTS

, Massachusetts

Percolation Test*		
Date: 9/26/00	Time:	
Observation Hole #	~~#1~~ TP-1	
Depth of Perc	44"	
Start Pre-soak	10:36	
End Pre-soak	10 GALS -	
Time at 12"	CANT HOLD soak	
Time at 9"	10:37	
Time at 6"	10:38 Dry hole	
Time (9"-6")	< 2	
Rate Min./Inch	< 2	

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

Site Passed ☑ Site Failed ☐

Performed By: A. Weiss

Witnessed By: D ZAROZINSKI

Comments:

DEP

DEP APPROVED FORM - 12/07/95

Location Address or Lot No. 562 Montague Rd. Amherst

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 132"+ 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? yes

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

Certification

I certify that on June 95 (date) I have passed the soil evaluator examination approved by the Department of Environmental Protection and that the above analysis was performed by me consistent with the required training, expertise and experience described in 310 CMR 15.017.

Signature [signature] Date 9/28/00

COMMONWEALTH OF MASSACHUSETTS
ALAN E. WEISS
REG. #933
REGISTERED SANITARIAN

DEP

December 12, 2000

Amherst Board of Health,

RE: System Installation Inspection
O'Leary Residence.

On this date the writer inspected the installation of **a Repaired Soil Absorption System** (septic system). The writer found the installation to be complete (except for completion of cover material) and in compliance with 310 CMR 15.000. The installer representative **(DMO Const.)** and my inspection noted that the system was built properly, in accordance with the state regulations and our plan.

Sincerely,

Cold Spring Environmental Consultants, Inc.

Alan E. Weiss, M.S., L.S.P.
President
Principal Hydrogeologist
Licensed Site Professional #6442

Registered Sanitarian #933

Cold Spring Environmental
350 Old Enfield Road
Belchertown, Ma. 01007

413-323-5959, phone
413-323-4916, fax

December 12, 2000

Amherst Board of Health,

RE: System Installation Inspection
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On this date the writer inspected the installation of **a Repaired Soil Absorption System** (septic system). The writer found the installation to be complete (except for completion of cover material) and in compliance with 310 CMR 15.000. The installer representative **(DMO Const.)** and my inspection noted that the system was built properly, in accordance with the state regulations and our plan.

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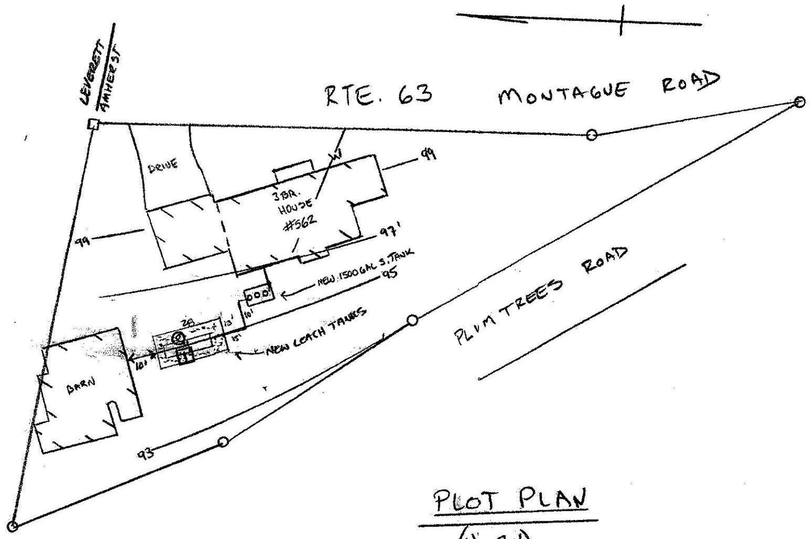


PLOT PLAN
(1"=40')

—100— EXISTING CONTOURS

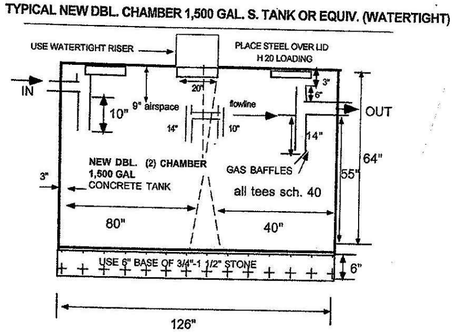
SOIL LOG
TP-1 ELEV. = 94.83'

0"-6" A FINE SANDY LOAM —"
(10YR3/2), FRIABLE
6-24" Bw FINE SANDY LOAM
(10 YR 6/6), FRIABLE
24-132" C1 MED. TO COARSE SAND & GRAVEL, LOOSE (10YR 4/4)
15% ROUNDED STONES AND COBBLES

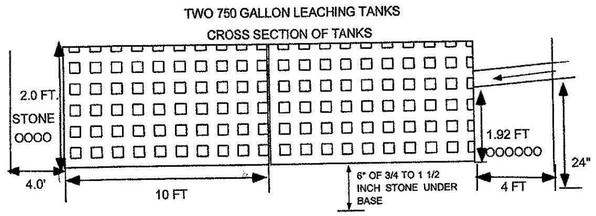
(OUTWASH, CLASS 1 SOIL) ESHWT= 83.83'

132"+ NO OBXIDES IIA.
NOT OBS. STATIC H20 (SEEPS) IIA.
" BEDROCK IIA..

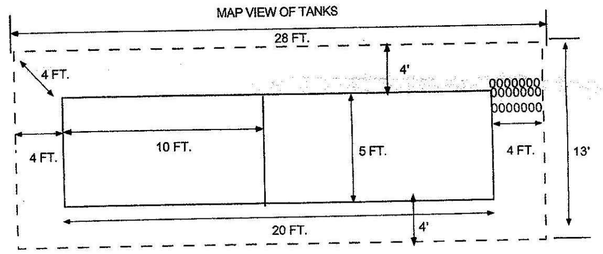
TYPICAL NEW DBL. CHAMBER 1,500 GAL. S. TANK OR EQUIV. (WATERTIGHT)



TWO 750 GALLON LEACHING TANKS
CROSS SECTION OF TANKS

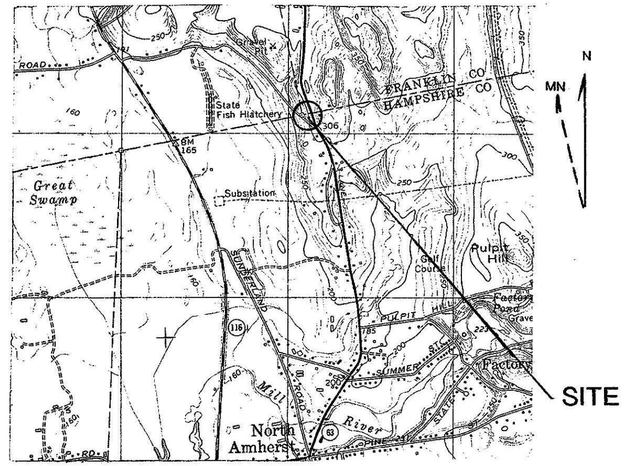


MAP VIEW OF TANKS



LEACH TANKS PLAN VIEW

SITE LOCUS

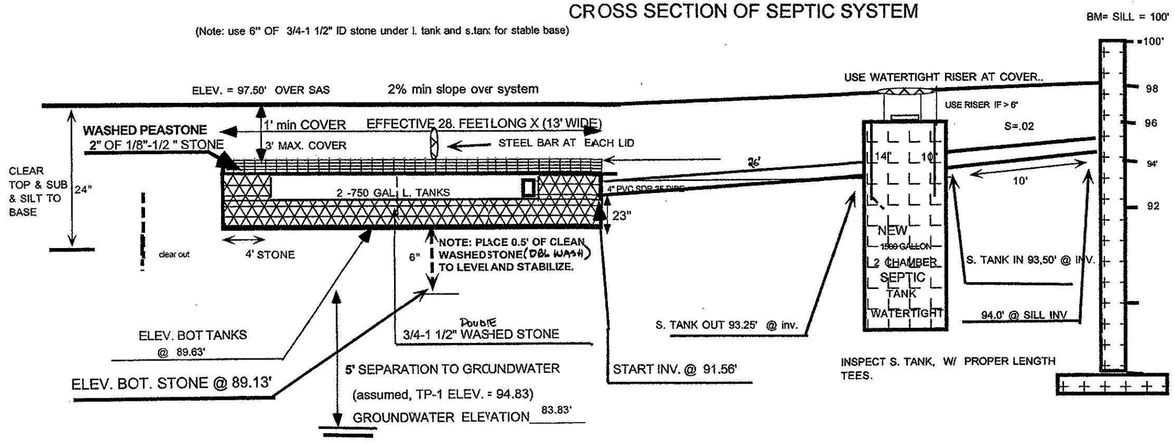


SCALE: 1"=2,083 FT. USGS 7.5 MIN. QUAD.

0 FEET 2000

CROSS SECTION OF SEPTIC SYSTEM

(Note: use 6" OF 3/4-1 1/2" ID stone under l. tank and s.tank for stable base)



NOTE: USE TITLE V FILL ONLY AS NEEDED UNDER ANDAROUND TO MEET DESIGN ELEVATIONS AS NOTED ON PLAN AND IS PER 310 15.255.

DESIGN NOTES

1. 3 Bedrooms x 110 gal/day = 330gal./day
2. Use TWO Leach Tanks w/ 4' stone around & 6" stone under
   13 ' Eff. wide x 28' Eff. long x 4.00' stone on sides of Tanks.
   Bot. Area: 13' wide x 28 long = 364sf.
   Side Area: 13' wide x 2.00hi x 2 SIDES = 52 sf.
   Side Area: 28' wide x 2.0 hi x 2 SIDES = 112 sf
   Tot. Area: 528 sff x 0.74 gal.sf. =391 gal./day.
3. NO GARBAGE DISPOSAL ALLOWED
4. USE TWO 750 GAL LEACH TANKS (EACH 5' X10') W/ 4' STONE.
5. ALL WELLS WITHIN 100 FEET OF SYSTEM NOTED (town water).
6. NO WETLANDS WITHIN 100 FEET OF SYSTEM NOTED.
7. PRE & POST CONTOURS NOTED AS NECESSARY.
8. RESERVE AREA NOT REQUIRED.
9. SLOPE CALCS NOT APPLIC.
10. 2% MIN. SLOPE OVER SAS
11. FINAL GRADE RUNOFF, MAY NOT INTERFERE WITH SAS.
12. BENCHMARK = 100.0' Sill at HOUSE.
13. USE NEW 1500 GAIL.. S. TANK WITH PROPER TEE/BAFFLE AT OUTLET & INLET, PLACE 6" OF 3/4-1 1/2 STONNE UNDER TANK
14. UNDER LEACH TANK USE 6" OF 3/4" STONE FOR STABLE BASE OF LEACH TANK. SUBGRADE INSPECTION REQUIRED.

SOIL EVALUATION BY A. Weiss ON 9/28/00 , D. ZAROSINSKI AGENT. 9/26/00
PERC1 AT 44" DEPTH= <2MIN/IN, CLASS I SOIL, USE 5' SEPARATION

SEPTIC SYSTEM REPAIR PLAN FOR MAUREEN O'LEARY 562 MONTAGUE ROAD, AMHERST, MA		
SCALE: NOTED	APPROVED BY:	DRAWN BY AW
DATE: 10/18/00		REVISED
COLD SPRING ENVIRONMENTAL, INC.		DRAWING NUMBER 100-1232-928