

715 STATION RD

Plan # 11-01 APPROVED 7/30/12  
Final Inspection 8/20/12.

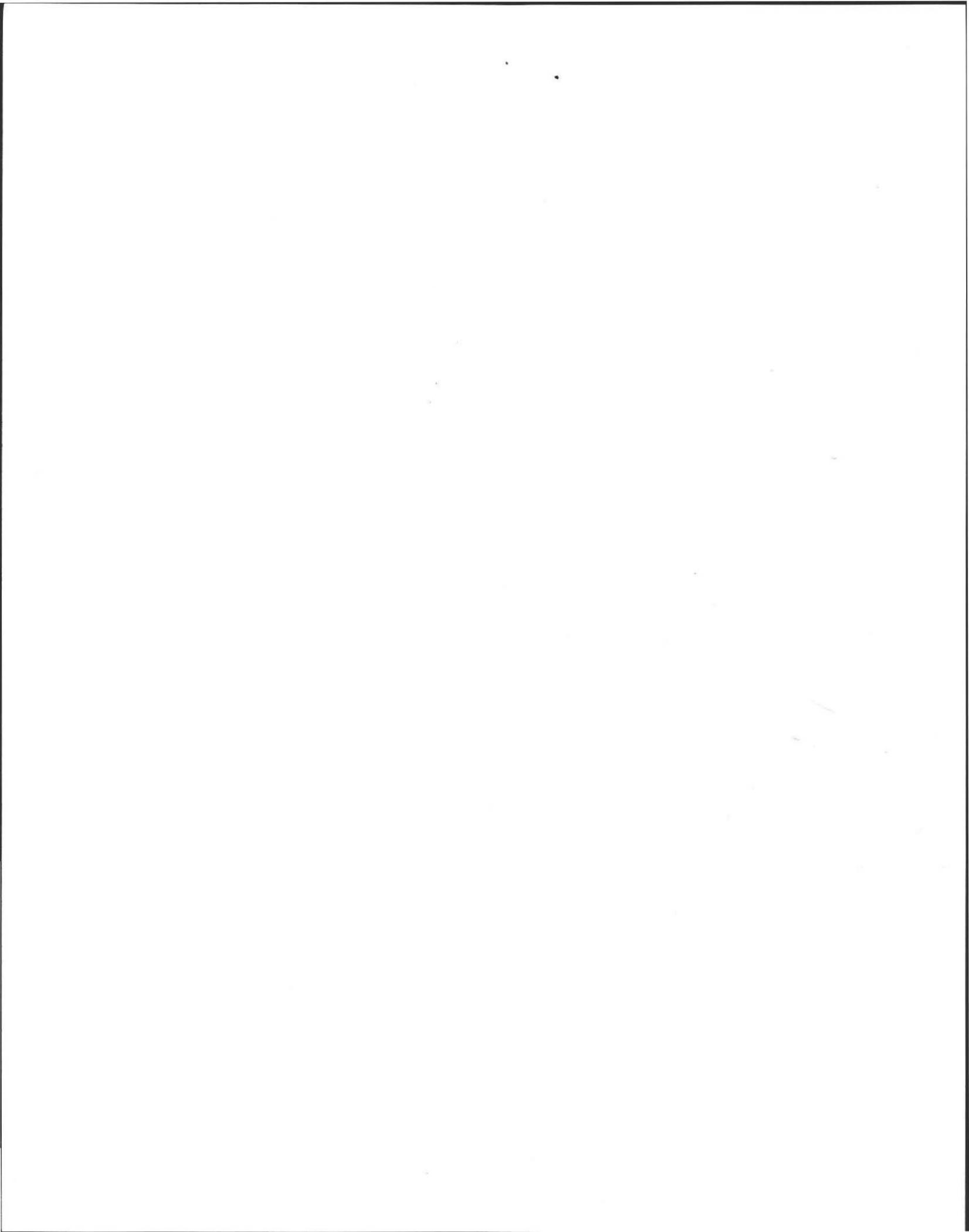


Plan: 1101

Designed by: Alan Weiss  
CHECK LIST FOR SEPTIC PLANS

- Application page attached to plan
- PE or RS stamp, date, signature
- Variances to property line setback distances must have Surveyor Stamp 15220 (3) N/A
- Legal boundaries noted
- Easements noted N/A
- Dwellings and buildings existing or proposed noted
- Location of driveway or parking areas, other impervious areas
- Location and dimensions of reserve area (new) CMR 15.248(1), 15.104(4) Repair
- System design calculations
- Garbage grinder Y or N N
- Benchmark not disturbed during construction, within 75 feet of facility CMR 15.220 (4)(q)
- North arrow CMR 15.200 (4) (g)
- Contours
- Deep hole location and data
- Perc hole location and data
- Elevations
- Names of approving authority and soil evaluator CMR 15.211 p. 49
- Location of every water supply, public and private CMR 15.220(k):
  - Within 400 feet of system in case of surface water and gravel packed public water supply
  - Within 250 feet of system in case of tubular public water supply
  - Within 150 feet of private supply wells 100' septic sys. & S tank
- Well statement if applicable CNA
- Location of any surface waters, rivers, vegetated wetlands
- Location of water lines and other subsurface utilities
- Observed and adjusted ground water elevation in the vicinity of system 15.220 (4)(n)
- Profile of system
- Locus plan to show location of facility, including nearest street
- Materials of construction and specs for system
- Gas Baffle 15.227.4
- Pipe in center line of tank 310 CMR 15.227, 15.06(8)
- Double washed stone
- Schedule 40 PVC for trafficked areas, house to tank
- Distances noted from house to tank, etc.
- If dosing is proposed, design and specs of dosing system CNA
- When alternative technology is required, complete plan and specs, including hydraulic profile NA
- Trenches preferred over beds CMR 15.240 (6)
- Buoyancy calculations for tanks or components partly below H2O table 15.221(8) p. 56 N/A
- 3 to 1 slope outside of mound, toe ending 5 feet from property line
- Local upgrade requests on the plan NA
- Local upgrade forms attached to application NA
- Note on plan listing all variances sought in conjunction with the plan N/A

NOTES: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_





**COLD SPRING ENVIRONMENTAL  
CONSULTANTS INC.**

---

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

- Percolation Tests
- Septic Designs
- Regulatory Compliance
- Recycling and Solid Waste
- Second Opinions

**August 23 2010**

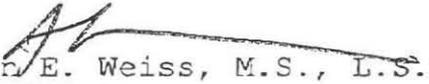
**Amherst, Board of Health**

**RE: *Septic System (S. tank and l. Field)*  
*Installation Inspection*  
# 715 Station Road**

On this date, the writer inspected the installation of a (*septic tank and L. Field*). The writer found the installation to be complete (except for completion of cover material) and in compliance with our plans and 310 CMR 15.000. The installer representative (*Paul Lussier Excavating*) and our inspection noted that the system was built & installed properly, in accordance with the state/local regulations and our plans. The contractor was requested to have sufficient soil on site and properly cover the system according to our plans and may backfill the system after review by local Health Department representatives.

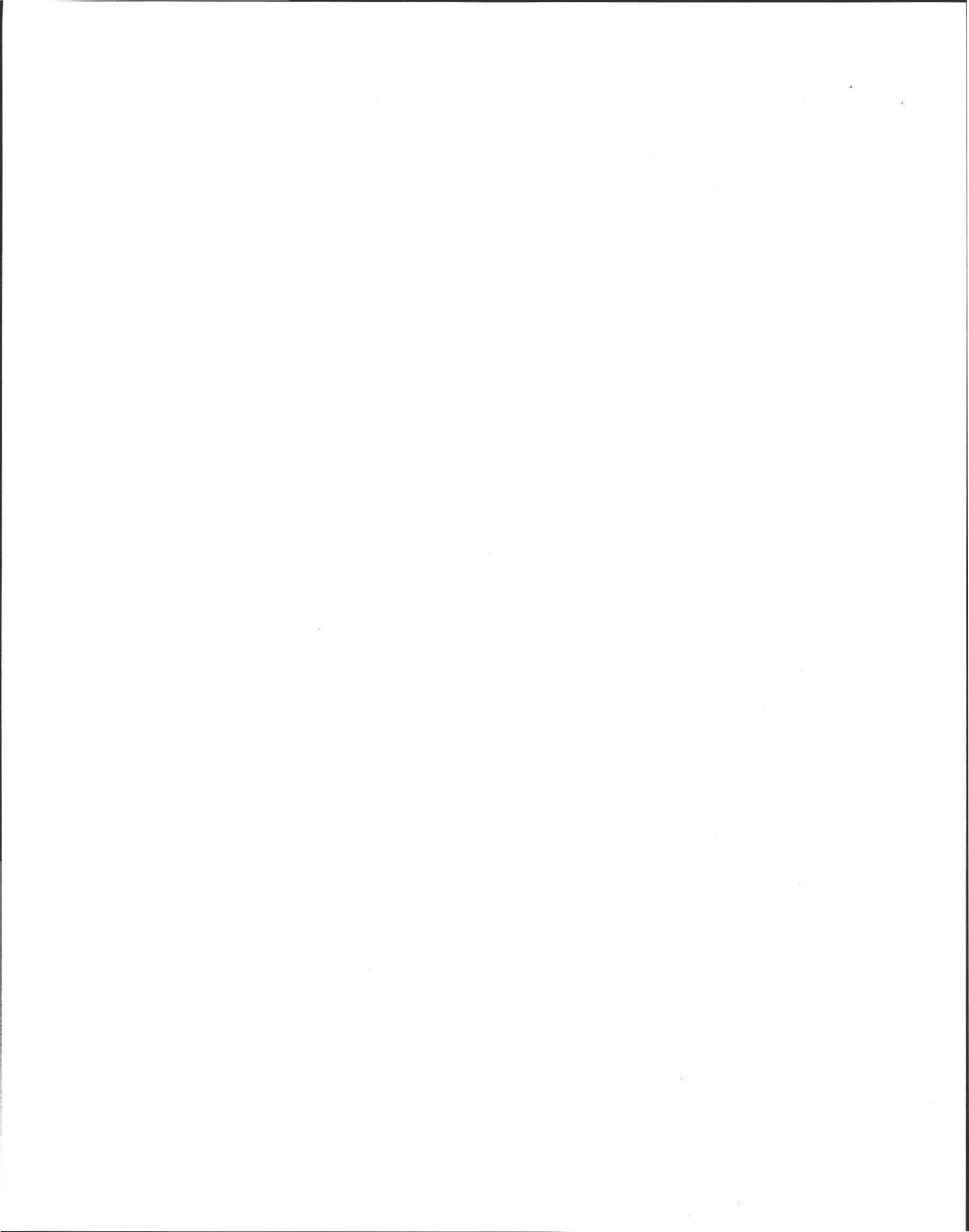
Sincerely,

**Cold Spring Environmental Consultants, Inc.**

  
Alan E. Weiss, M.S., L.S.P.  
President  
Principal Hydrogeologist  
Licensed Site Professional #6442  
Registered Sanitarian #933

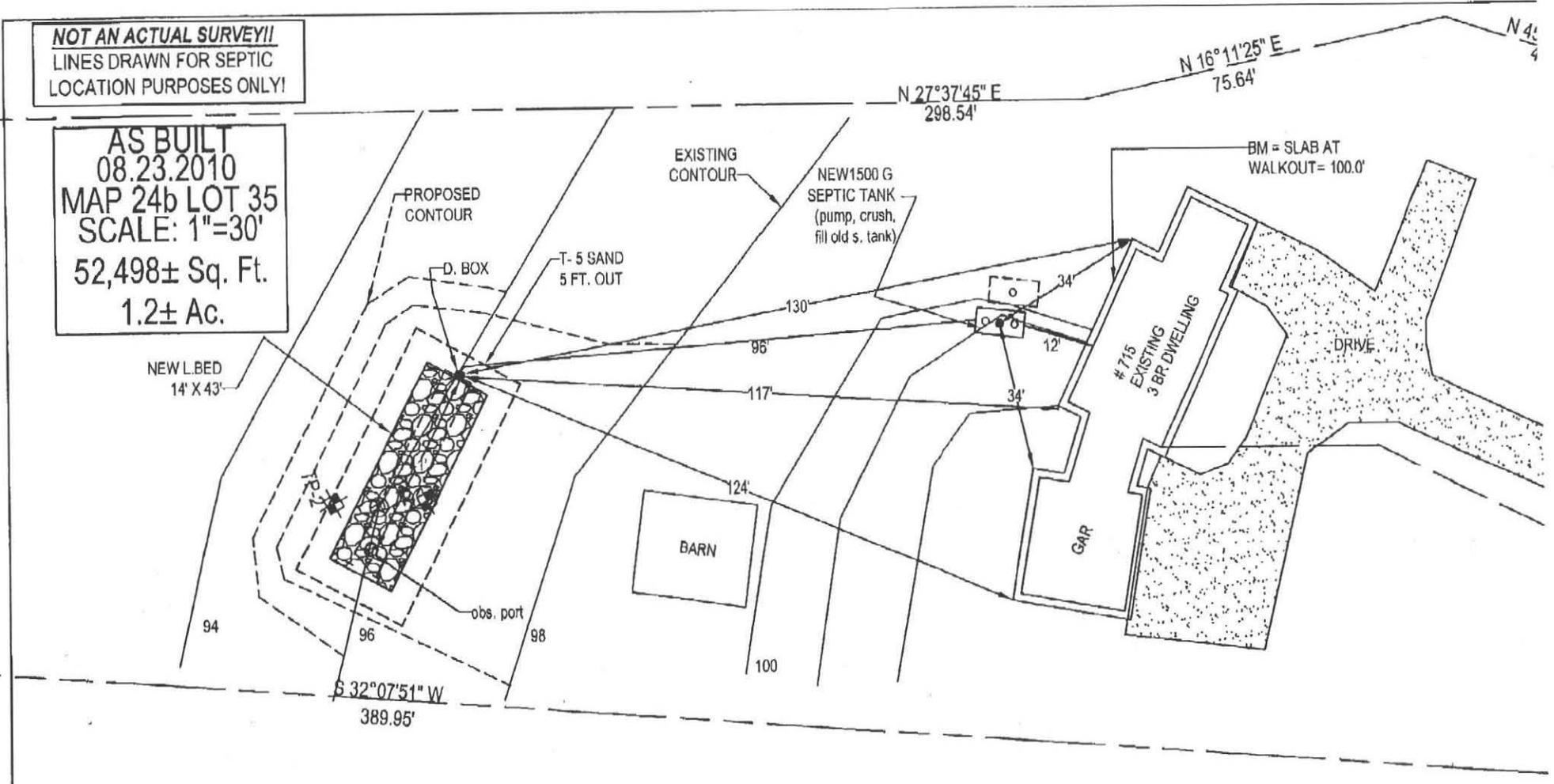
Cold Spring Environmental  
350 Old Enfield Road  
Belchertown, Ma. 01007

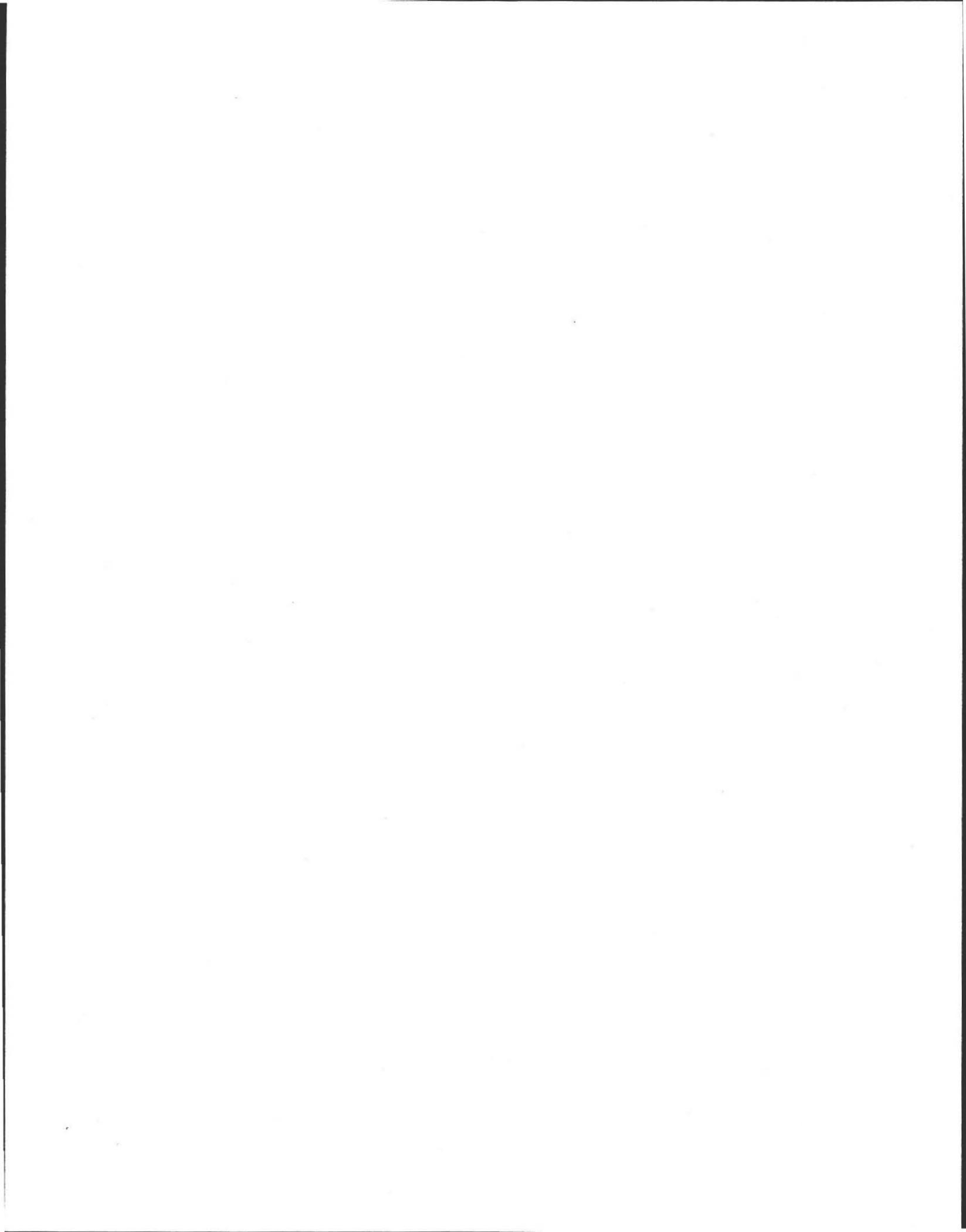
413-323-5957, phone  
413-323-4916, fax



**NOT AN ACTUAL SURVEY!!**  
 LINES DRAWN FOR SEPTIC  
 LOCATION PURPOSES ONLY!

**AS BUILT**  
 08.23.2010  
 MAP 24b LOT 35  
 SCALE: 1"=30'  
 52,498± Sq. Ft.  
 1.2± Ac.







**COLD SPRING ENVIRONMENTAL  
CONSULTANTS INC.**

---

- 2IE Site Investigations
- Subsurface Investigations
- Pollution Remediation
- LSP on Staff
- Forensic Septic Investigations

- Percolation Tests
- Septic Designs
- Regulatory Compliance
- Recycling and Solid Waste
- Second Opinions

**August 23 2010**

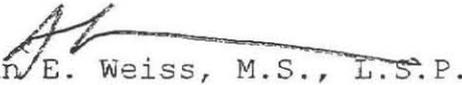
**Amherst, Board of Health**

**RE: Septic System (S. tank and l. Field)  
Installation Inspection  
# 715 Station Road**

On this date, the writer inspected the installation of a **(septic tank and l. Field)**. The writer found the installation to be complete (except for completion of cover material) and in compliance with our plans and 310 CMR 15.000. The installer representative **(Paul Lussier Excavating)** and our inspection noted that the system was built & installed properly, in accordance with the state/local regulations and our plans. The contractor was requested to have sufficient soil on site and properly cover the system according to our plans and may backfill the system after review by local Health Department representatives.

Sincerely,

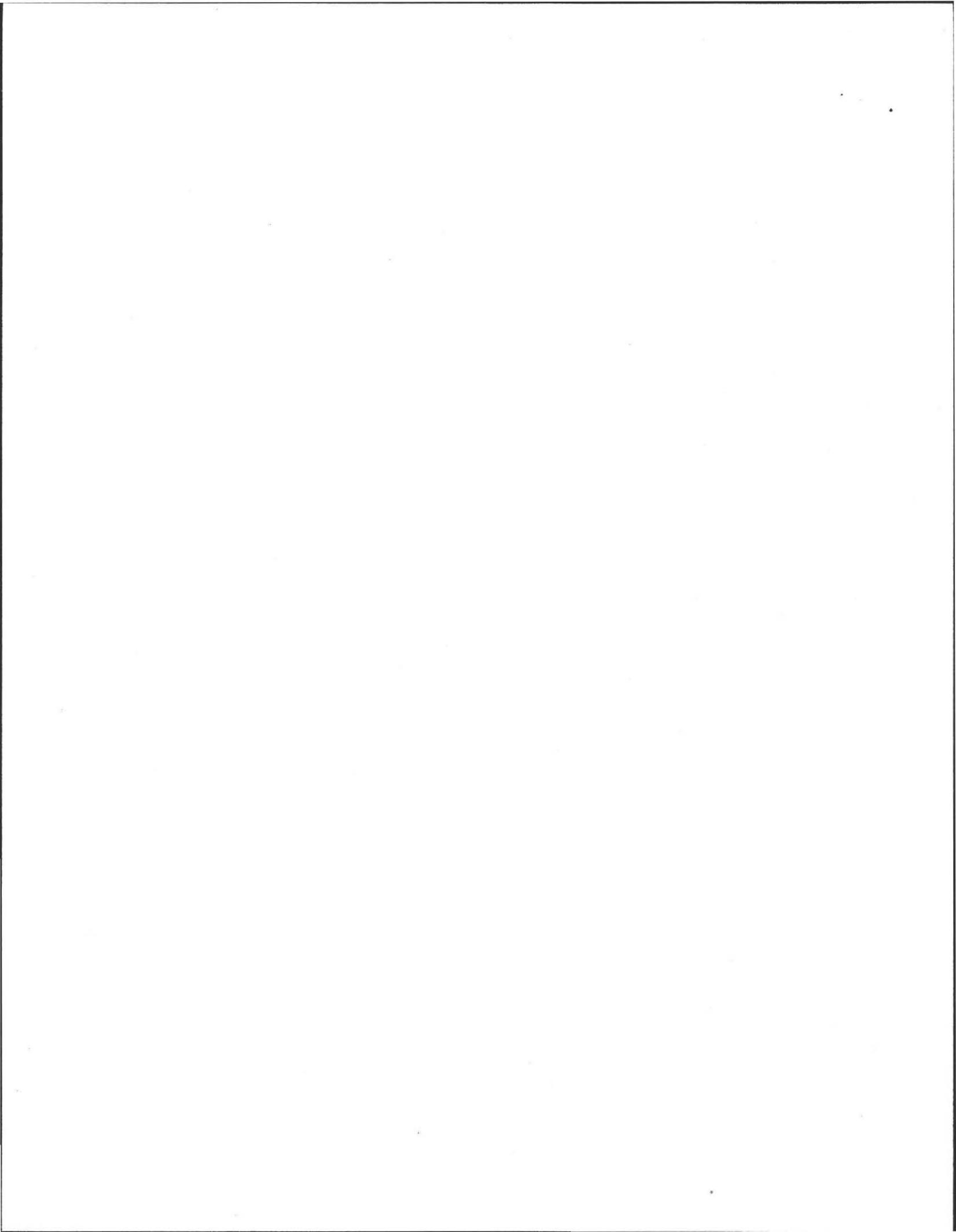
**Cold Spring Environmental Consultants, Inc.**



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

413-323-5957, phone  
413-323-4916, fax



**NOT AN ACTUAL SURVEY!!**  
 LINES DRAWN FOR SEPTIC  
 LOCATION PURPOSES ONLY!

**AS BUILT**  
 08.23.2010  
 MAP 24b LOT 35  
 SCALE: 1"=30'  
 52,498± Sq. Ft.  
 1.2± Ac.

NEW L.BED  
 14' X 43'

PROPOSED  
 CONTOUR

EXISTING  
 CONTOUR

NEW 1500 G  
 SEPTIC TANK  
 (pump, crush,  
 fill old s. tank)

BM = SLAB AT  
 WALKOUT = 100.0'

T-5 SAND  
 5 FT. OUT

D. BOX

# 715  
 EXISTING  
 3 BR DWELLING

BARN

GAR

DRIVE

S 32°07'51" W  
 389.95'

N 27°37'45" E  
 298.54'

N 16°11'25" E  
 75.64'

N 41°  
 4

94

96

98

124'

100

130'

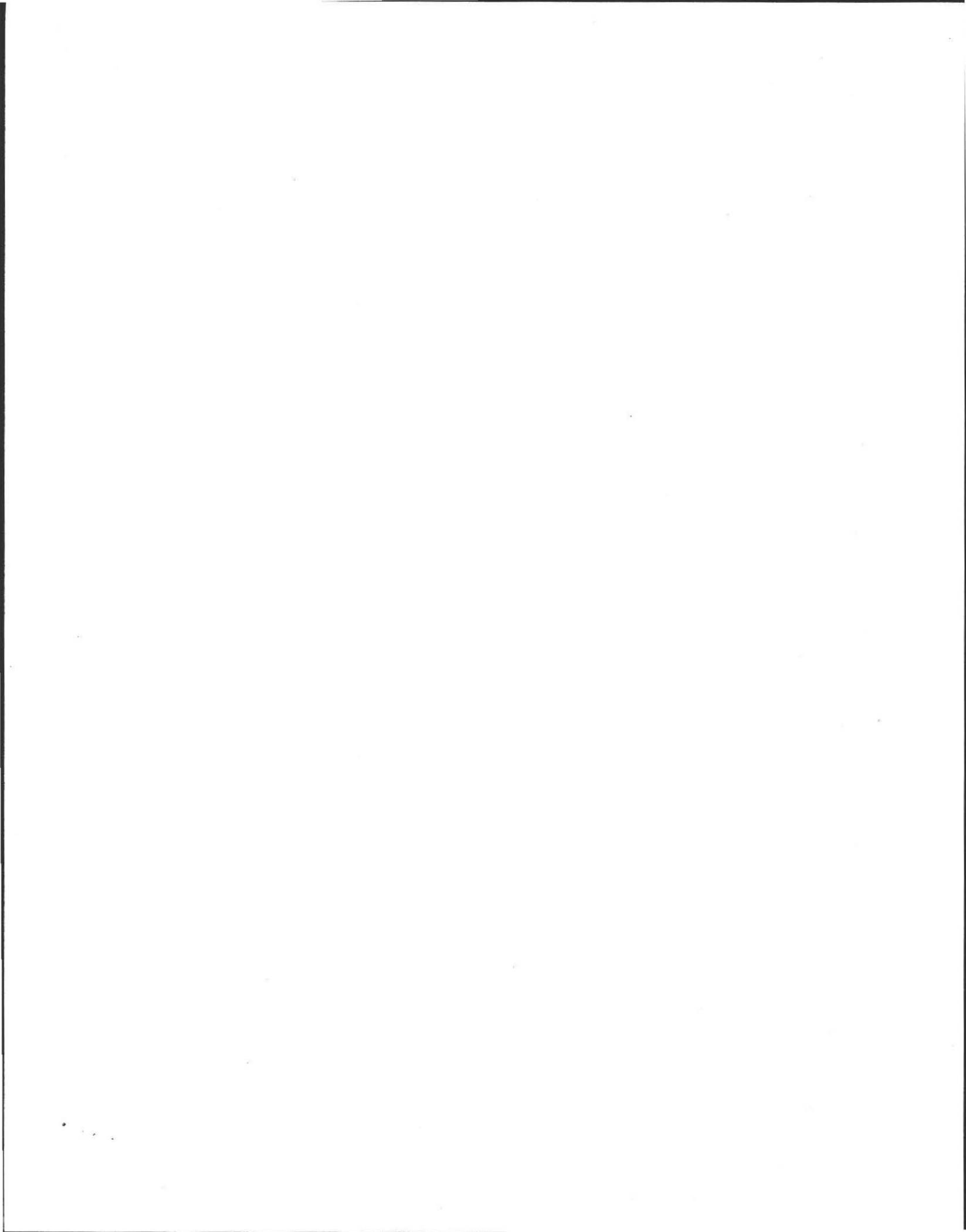
96'

117'

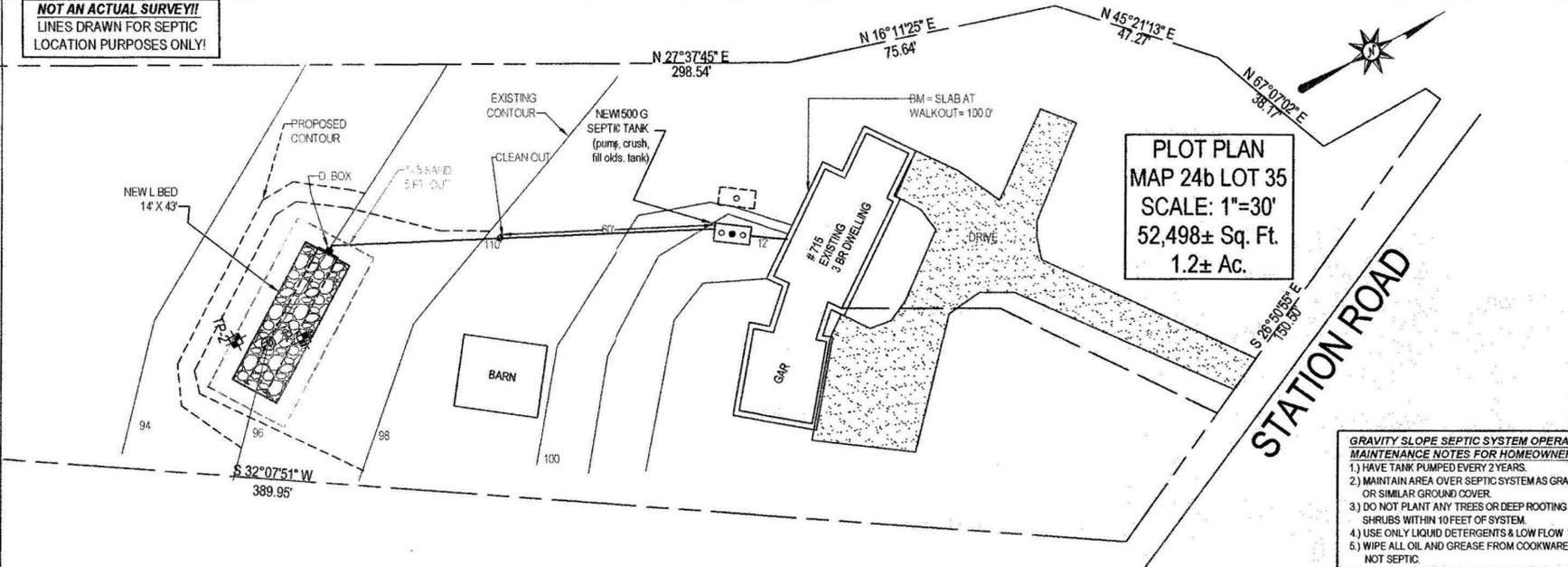
34'

12'

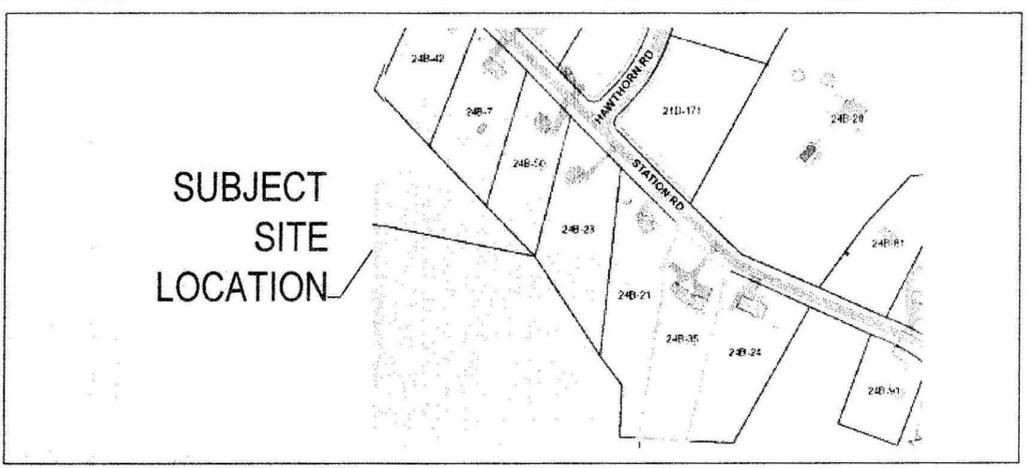
34'



**NOT AN ACTUAL SURVEY!!**  
LINES DRAWN FOR SEPTIC  
LOCATION PURPOSES ONLY!



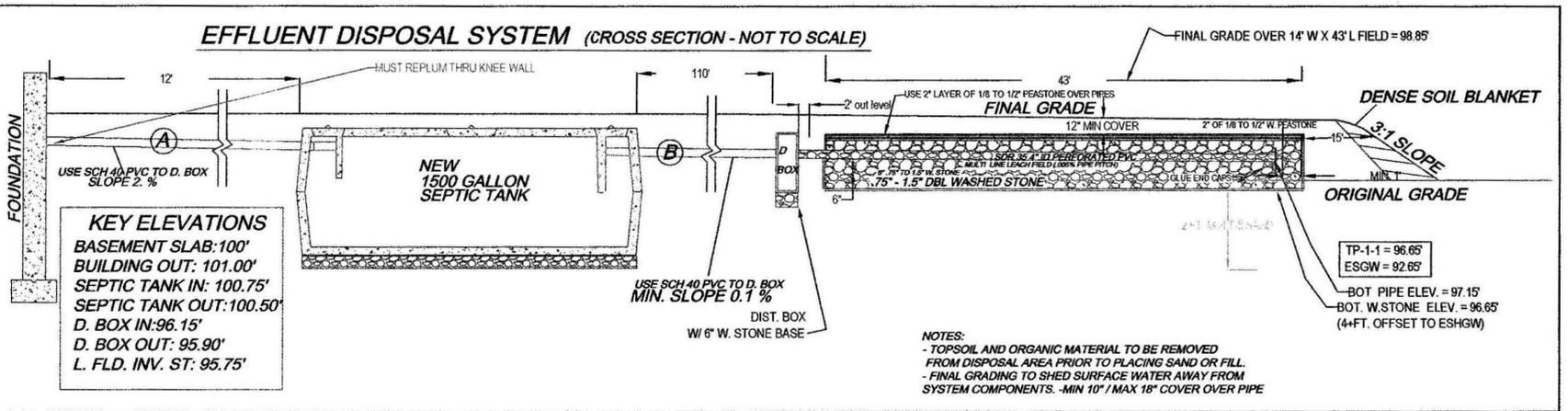
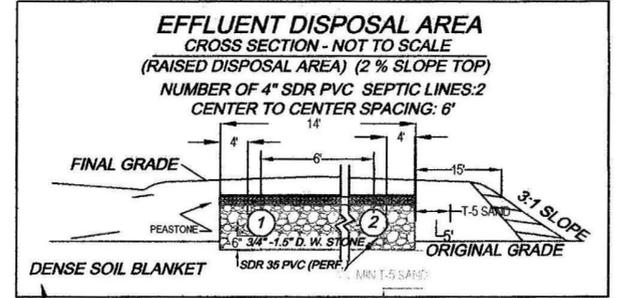
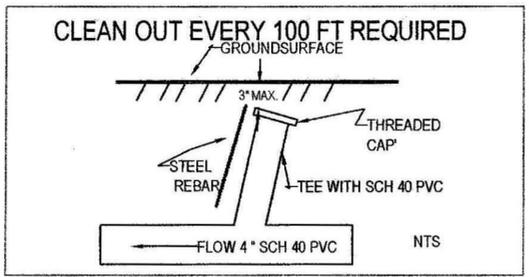
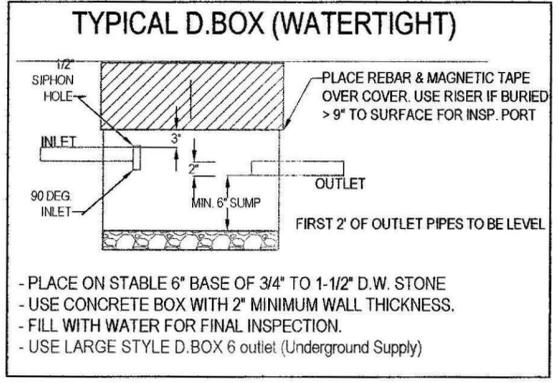
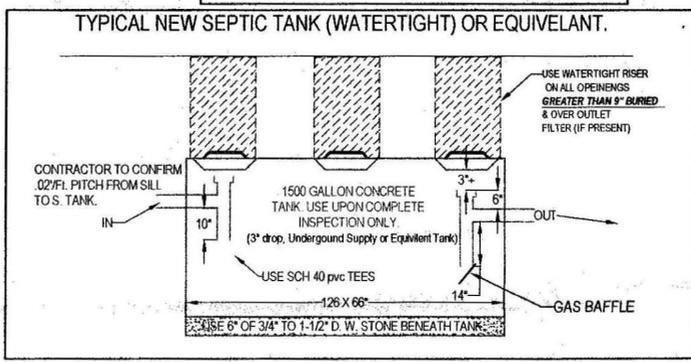
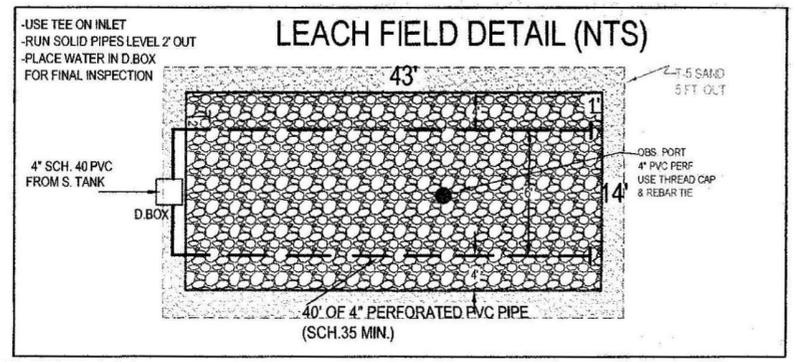
**PLOT PLAN**  
MAP 24b LOT 35  
SCALE: 1"=30'  
52,498± Sq. Ft.  
1.2± AC.



**SUBJECT  
SITE  
LOCATION**

**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.  
3.) DO NOT PLANT ANY TREES OR DEEP ROOTING SHRUBS WITHIN 10 FEET OF SYSTEM.  
4.) USE ONLY LIQUID DETERGENTS & LOW FLOW WASHERS.  
5.) WIPE ALL OIL AND GREASE FROM COOKWARE AND DISPOSE IN TRASH NOT SEPTIC.  
6.) All Toilets and Faucets must be confirmed to not be leaking, because one leaking fixture can fail a septic system in ONE DAY.

**DESIGN NOTES AND CALCULATIONS:**  
1.) 3 BEDROOM HOME X 110 GPD /BR = 330 GPD. REQUIRED,  
  
-Use ONE FIELD: 14' WIDE X 43' LONG WITH 6" OF 3/4" TO 1 1/2" DBL WASHED STONE BELOW INVERT  
- BOTTOM AREA: 14' W X 43' L = 602 SF.  
- SIDE AREA: 0 SF.  
- TOTAL AREA: 602 SF X 0.70 GAL/SF = 421 GPD  
3. GARBAGE DISPOSAL NOT ALLOWED. MUST REMOVE...  
4. NO OTHER PRIVATE WELLS WITHIN 150 FEET OF SAS.  
5. NO OTHER WETLANDS WITHIN 150 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),  
**NOTE:**  
- ALL COMPONENTS OF NEW SYSTEM MUST BE MARKED WITH MAGNETIC TAPE. BE SURE TO MAINTAIN 3" CLEARANCE FROM TOP OF TEES TO BOTTOM OF TANK COVERS & BOXES.  
7. USE LARGE STYLE (6 OUTLET) D.BOX ONLY.  
7A ALL D. BOX: OUTLET PIPES LEVEL FOR FIRST 2' BOXES MUST HAVE 2" CONC. WALLS  
**NOTE:**  
- D. BOXES WITH MORE THAN 9" OF COVER SOIL MUST HAVE RISERS TO 6" OF SURFACE.  
8. USE ONLY APPROVED (.75"-1 1/2") DBL. WASHED STONE UNDER TANK & D. BOX FOR 6".  
- CONFIRM STONE PROPERLY DOUBLE WASHED PRIOR TO PLACEMENT IN LEACH AREA.  
9. USE PROPER SCH. 40 PVC TEES AS SHOWN.  
10. PRE & POST CONTOURS NOTED AS NECESSARY, RESERVE AS NOTED (not required for repairs).  
11. SLOPE CALCUS (SEE CONTOURS). SUBGRADE INSP. RECD.  
13. USE FIELD (DUE TO TOPOGRAPHY AND SPACE OF LOT WITH RESPECT TO LOCATION AND ELEVATION OF RESIDENCE (310 CMR 15.240)  
14. USE 2% MIN. SLOPE OVER SAS  
- CLEAR TOP AND SUB TO 26" MIN. AS NEEDED (INSPECTION REQUIRED).  
- CLEAR PAST BASE OF B (MIN. 26") & SCARIFY UNDER BED PRIOR TO TITL V SAND/STONE PLACEMENT.  
- EXCAVATE EXISTING LOAM, SUB AND ANY EXISTING DEBRIS, DIRTY FILL OR PRIOR SYSTEM IF PRESENT.  
15. SOIL EVALUATION BY A. WEISS, RS. ON 07.13.2010 (G. COURTEMARCHE, BOH AGENT).  
- DEPTH OFF PERC. 48"  
- PERC RATE = 4 MIN / IN  
- CLASS 1 SOIL RATING LS  
16. NO TREES WITHIN 10 FT. OF NEW LEACH FIELD.  
17. ENGINEER & TOWN (IF REQUIRED) TO INSPECT SUBGRADE, TOWN AND ENGINEER INSPECT AT FINAL  
18. BM=100.00 (@ SLAB 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 IN 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.



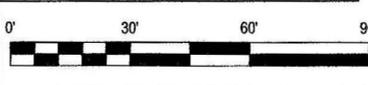
**TEST PIT LOG:**

TP-1 EFF. ELEV: 96.65				TP-2 EFF. ELEV: 96.65					
DEPTH	HORIZ.	TEXTURE	COLOR (MUNSELL)	MATERIAL	DEPTH	HORIZ.	TEXTURE	COLOR (MUNSELL)	MATERIAL
0-13"	A	FSL	10 YR 3.3	FRIABLE	0-13"	A	FSL	10 YR 3.3	FRIABLE
13-26"	Bw	LS	10 YR 5.6	FRIABLE	13-26"	Bw	LS	10 YR 5.6	FRIABLE
26-120"	C1	LS	2.5Y 4.2	F. SANDY GLACIAL ABL. TILL	26-120"	C1	LS	2.5Y 4.2	F. SANDY GLACIAL ABL. TILL
				10% GRAV. & BOULDERS					10% GRAV. & BOULDERS
				MOD. COMPACT/MASSIVE					MOD. COMPACT/MASSIVE
OXIDES:			48"	7.5YR 5.8	OXIDES:			42"	7.5YR 5.8
EHWT:			48"	= 92.65'	EHWT:			42"	= 92.15'
STANDING H2O:				NOT OBSERVED	STANDING H2O:				NOT OBSERVED
WEEPING:				NOT OBSERVED	WEEPING:				NOT OBSERVED
BEDROCK:				120"+	BEDROCK:				120" - 126"+

**SEPTIC SYSTEM REPAIR PLAN FOR EDWARD LADD**  
715 STATION ROAD  
AMHERST, MA  
**Cold Spring Environmental Consultants Inc.**  
350 Old Enfield Road  
Belchertown, MA. 01007  
PJFO NO: (413) 323-5957  
FAX: (413) 323-4916  
e-Mail: AEW@CS@charter.net

**ATTENTION INSTALLER!!**  
CALL DIG SAFE BEFORE YOU DIG!! MASSACHUSETTS STATE LAW CHAPTER 82 SECTIONS 40 - 40E REQUIRE THAT PREMARKING OF GAS, ELECTRIC, WATER, TELEPHONE AND CABLE T.V. UTILITY LINES BE MADE A MINIMUM OF 72 HOURS PRIOR TO GROUND BREAK FOR ANY EXCAVATION.

**NOTE: INSTALLER MUST CONTACT ENGINEER/BD OF HEALTH 48 HOURS PRIOR TO SUBGRADE INSPECTION. INSTALLER MUST HAVE ALL BREAK OUT FILL ON SITE AND IN PLACE PRIOR TO SIGN OFF BY ENGINEER AT TIME OF FINAL INSPECTION OR APPROVAL WILL NOT BE GIVEN TO BACKFILL.**



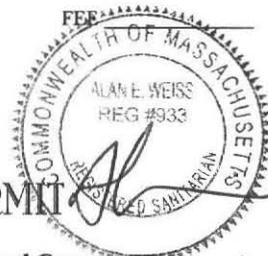
DATE: 07.28.2010  
SCALE: 1"=30'  
DRAWN BY: AEW  
CHECKED BY: AEW  
REVISED:  
DRAWING NUMBER: 110-3419-0713

No. \_\_\_\_\_

COMMONWEALTH OF MASSACHUSETTS

Board of Health, Amherst, MA.

APPLICATION FOR DISPOSAL SYSTEM CONSTRUCTION PERMIT



Application for a Permit to Construct ( ) Repair  Upgrade ( ) Abandon ( ) -  Complete System  Individual Components

Location	<u>715 Station Rd</u>	Owner's Name	<u>Edward Ladd</u>
Map/Parcel#	<u>24B / 35</u>	Address	<u>715 Station Rd.</u>
Lot#		Telephone#	<u>256-6791</u>
Installer's Name	<u>Paul Lussier</u>	Designer's Name	<u>Alan Weiss</u>
Address	<u>Belchertown, MA.</u>	Address	<u>Belchertown</u>
Telephone#	<u>413-323-5957</u>	Telephone#	<u>413-323-5957</u>

Type of Building Residence Lot Size 52.772 +/- sq. ft.  
 Dwelling - No. of Bedrooms 3 Bedroom Garbage grinder No  
 Other - Type of Building \_\_\_\_\_ No. of persons \_\_\_\_\_ Showers ( ), Cafeteria ( )  
 Other Fixtures \_\_\_\_\_

Design Flow (min. required) 110 gpd Calculated design flow 390 Design flow provided 421 gpd

Plan: Date 7/28/2010 Number of sheets 1 Revision Date \_\_\_\_\_

Title Sepic System Repair Plan

Description of Soil(s) Class 1: CS

Soil Evaluator Form No. \_\_\_\_\_ Name of Soil Evaluator A. Weiss, RS Date of Evaluation 7-13-2010  
G. Cartmache, Amherst.

DESCRIPTION OF REPAIRS OR ALTERATIONS Complete new SAS

The undersigned agrees to install the above described Individual Sewage Disposal System in accordance with the provisions of TITLE 5 and further agrees to not to place the system in operation until a Certificate of Compliance has been issued by the Board of Health.

Signed Edward Ladd Date 7/29/10

Inspections \_\_\_\_\_

No. 1101

COMMONWEALTH OF MASSACHUSETTS

Board of Health, Amherst, 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 ( )

by: Paul Lussier

at 715 Station

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. 1101-01 dated 8/20/10. Approved Design Flow 421 (gpd)

Installer Paul Lussier

Designer: \_\_\_\_\_ Inspector Ray Cartmache Date: 8/20/10

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

No. 1101

FEE 150.00 per

COMMONWEALTH OF MASSACHUSETTS

Board of Health, Amherst, MA.

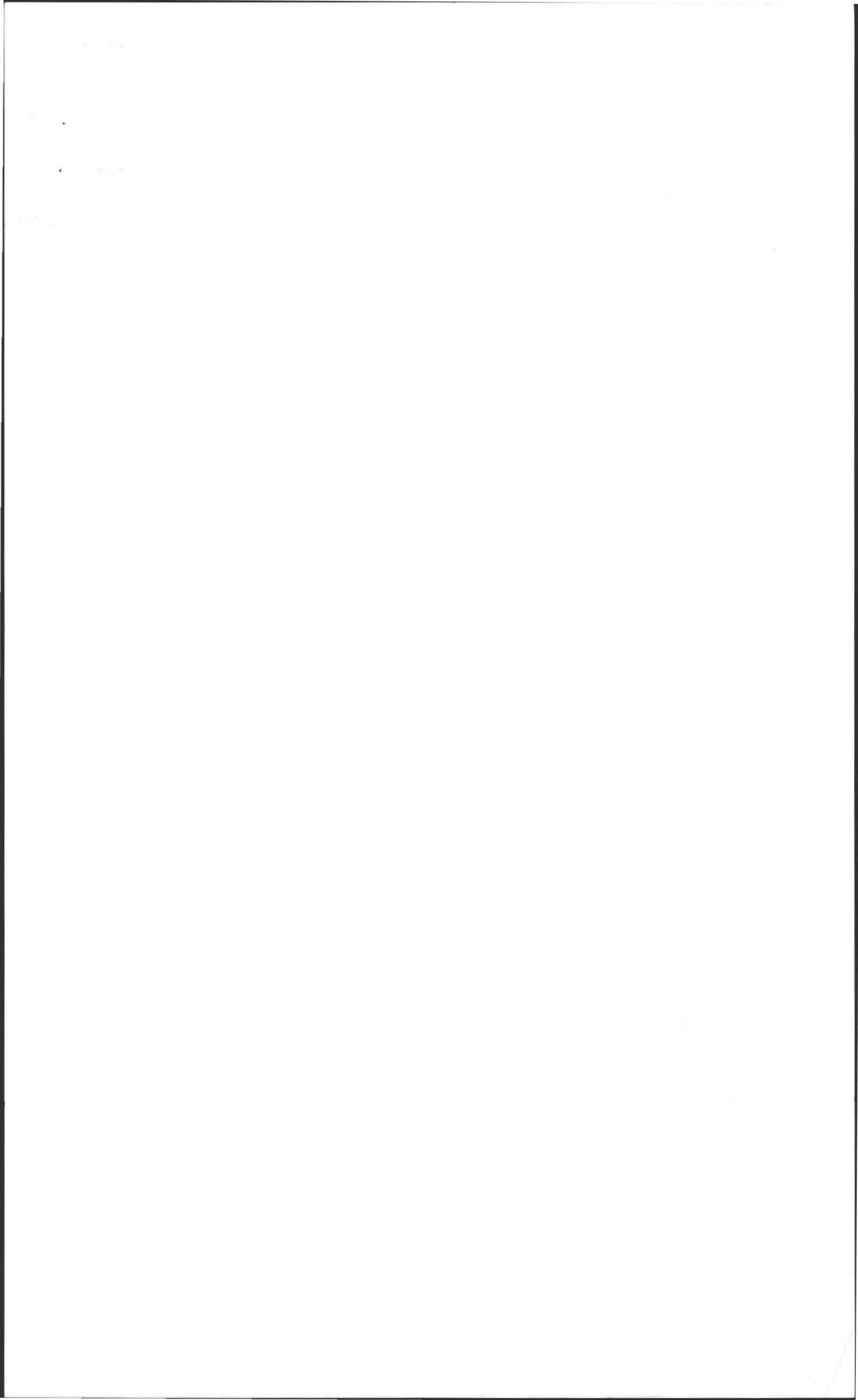
DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permission is hereby granted to; Construct ( ) Repair (  Upgrade ( ) Abandon ( ) an individual sewage disposal system at 715 Station as described in the application for

Disposal System Construction Permit No. 1101, dated 7/29/10

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

Date 7/29/10 Board of Health Ray Cartmache  
Secretary for Board of Health.





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
- Title 5 Inspections

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

aeweiss@charter.net

Date: 7/13/10

Commonwealth of Massachusetts  
Amherst, Massachusetts

Soil Suitability Assessment for On-site Sewage Disposal

Performed By: Alan Weiss

Date: 7/13/10

Witnessed By: Gary Courtemarche

Location Address or Lot # 715 Station Rd. Amherst, MA 01002	Owner's Name, Address, and Telephone # Ed Ladd 715 Station Rd. Amherst MA 256-6791
New Construction <input type="checkbox"/> Repair <input checked="" type="checkbox"/>	

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)

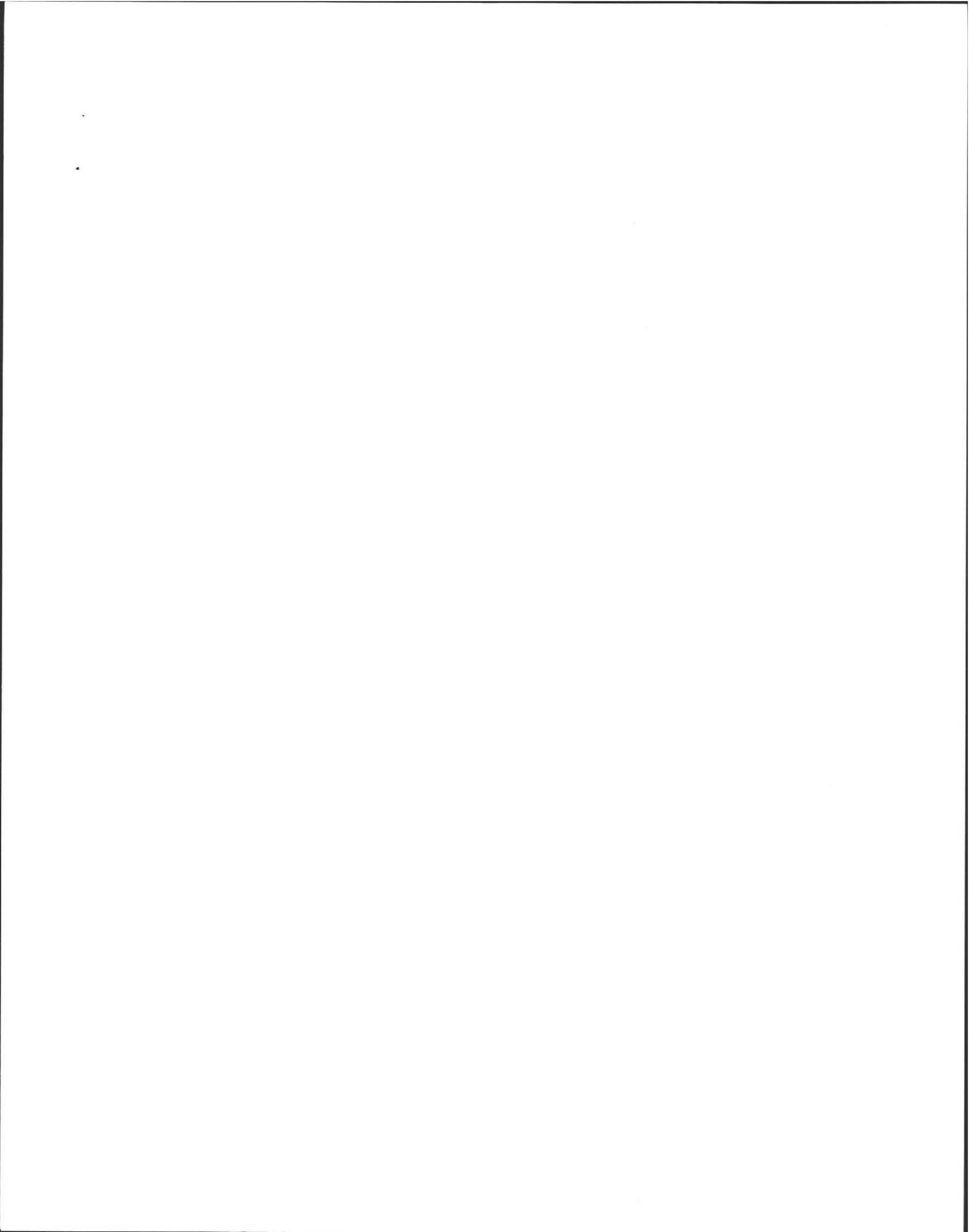
Wetlands Conservancy Program Map (map unit)

Current Water Resource Conditions (USGS): Month

Range :Above Normal  Normal  Below Normal

Other References Reviewed: \_\_\_\_\_





Location Address or Lot No. 715 Station Rd.

On-site Review

Deep Hole Number \_\_\_\_\_ Date: 7/13/10 Time: \_\_\_\_\_ Weather Overcast, Hot, Dry

Location (identify on site plan) \_\_\_\_\_

Land Use Residential Slope (%) 3% Surface Stones NONE

Vegetation Lawn Grass

Landform \_\_\_\_\_

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 20' feet  
 Drinking Water Well >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)
0" - 13"	A	FSL	10YR 4/3		
13" - <del>26"</del>	B	LS	10YR 5/6	48"	7.5 YR 8 Oxides
26" - <del>120"</del>	C <sub>1</sub>	Glacial Till F-Medium Sand-Silt	2.5Y 4/2		10% Cobbles + Gravel Mod. Compact. f. Sandy fill
0-13	A	FSL	10YR 4/3	42"	Same as #1
SAME 13-26	B	LS	10YR 5/6		
26-120	C <sub>1</sub>	LS	2.5Y 4/2		

\* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

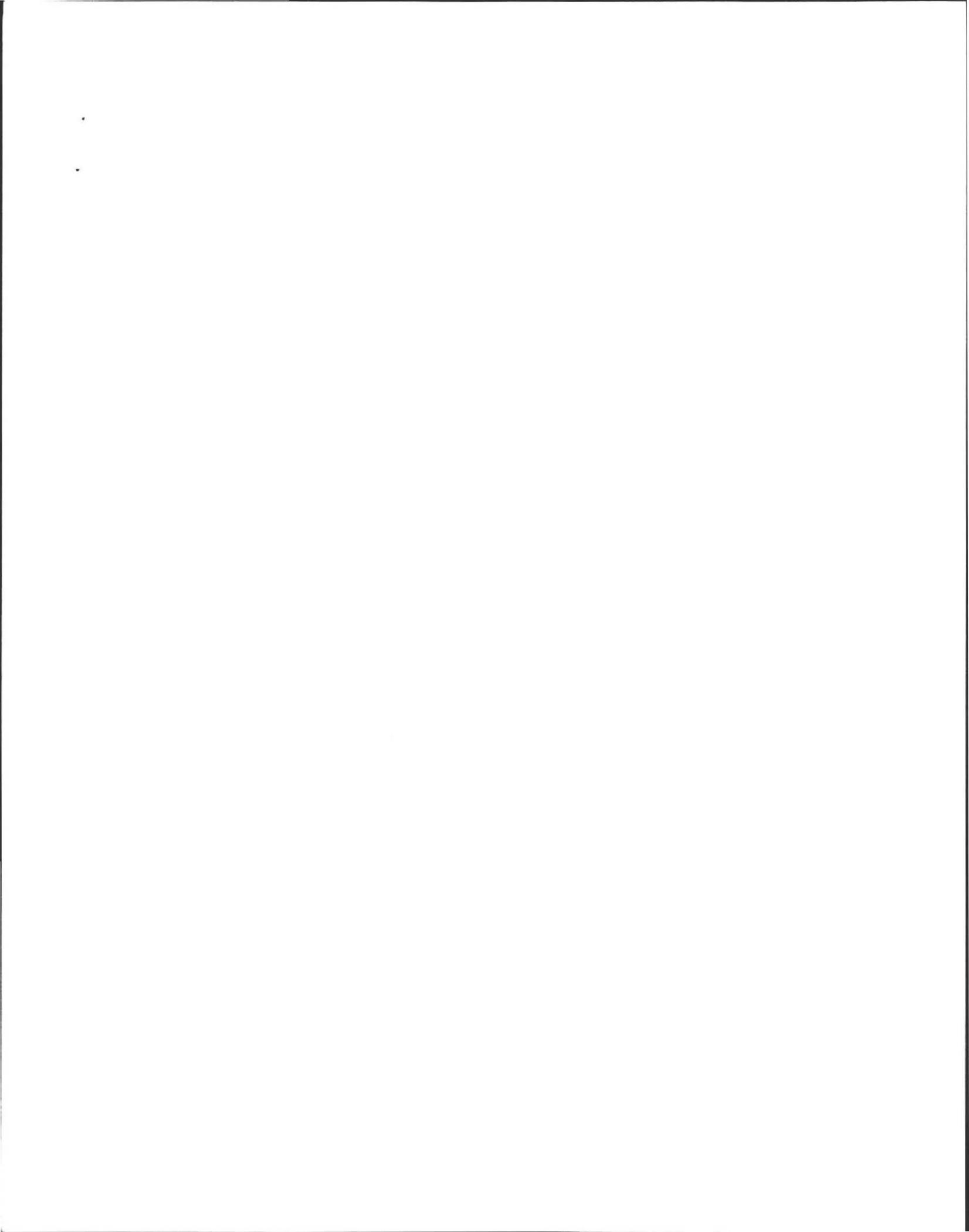
Parent Material (geologic) Delta Deposits - outwash overfill Depth to Bedrock: = 120"

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

Estimated Seasonal High Ground Water: 40" - 48"



3 Bedrooms House  
 Town Water  
 No Grinder



Location Address or Lot No. 715 Station Rd.

COMMONWEALTH OF MASSACHUSETTS

Amherst, Massachusetts

Percolation Test*		
Date: ... <u>7/13/10</u>		Time: <u>1:10 PM.</u>
Observation Hole #	<u>#1</u>	Repair          ↓
Depth of Perc	<u>50"-51"</u>	
Start Pre-soak	<u>1:10</u>	
End Pre-soak	<u>1:25</u>	
Time at 12"	<u>1:25</u>	
Time at 9"	<u>1:37</u>	
Time at 6"	<u>1:47</u>	
Time (9"-6")	<u>10</u>	
Rate Min./Inch	<u>4 MPI</u>	

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

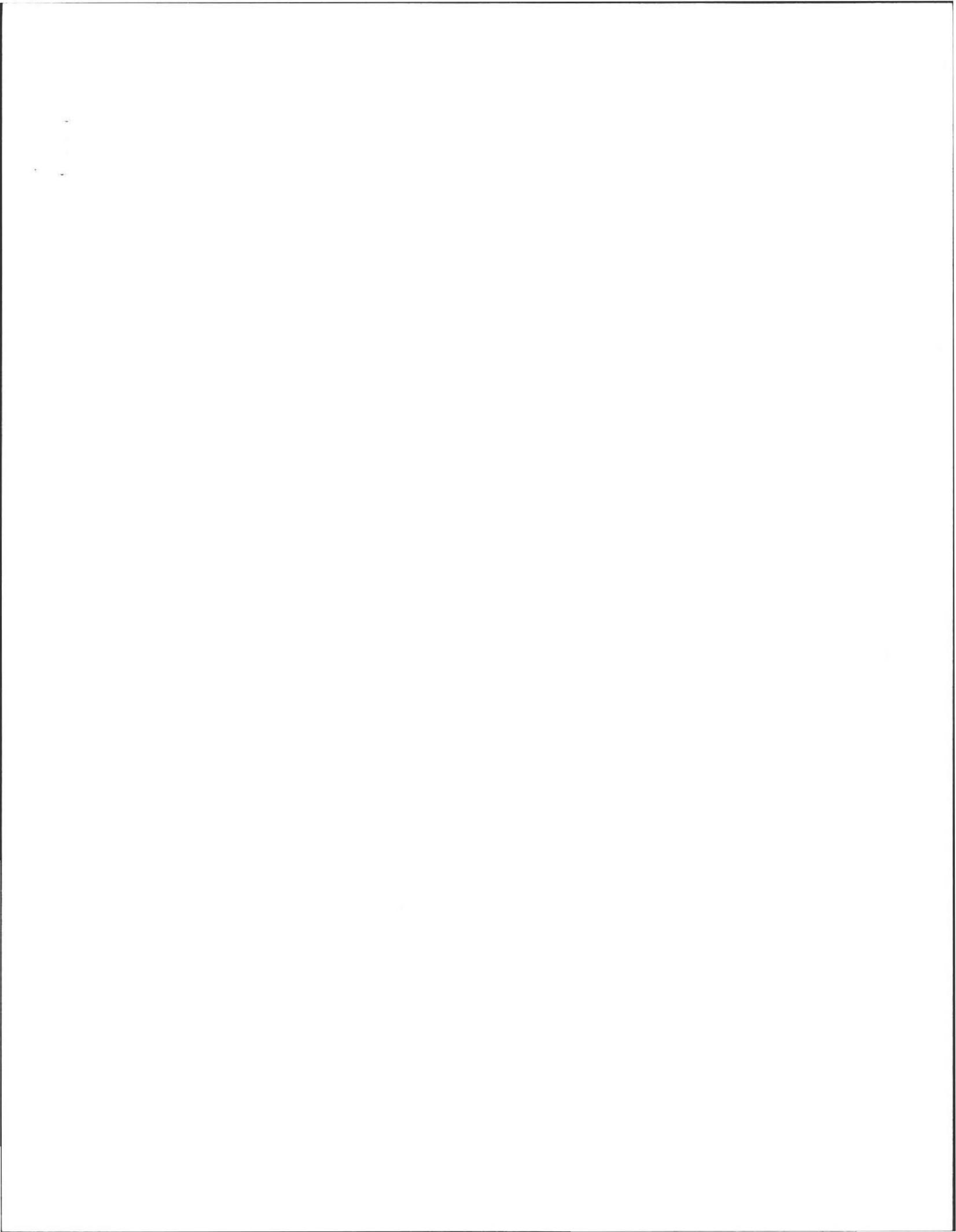
Site Passed  Site Failed

Performed By: A. Weiss

Witnessed By: B. Courtemanche

Comments: \_\_\_\_\_





Location Address or Lot No. 715 Staten Rd

Determination for Seasonal High Water Table

Method Used:

- Depth observed standing in observation hole ..... inches
- Depth weeping from side of observation hole ..... inches
- Depth to soil mottles 42-48" 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

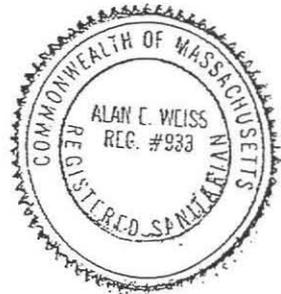
Does at least four feet of naturally occurring pervious material exist in all areas observed throughout the area proposed for the soil absorption system? YES

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

Certification

I certify that on 6/95 (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 7/15/2010



•  
•  
•  
•



PERMITS/INSP PAYMENT RECPT#: 11010767  
\*\*\*TOWN OF AMHERST\*\*\*  
TOWN HALL  
4 BOLTWOOD AVENUE  
AMHERST MA 01002

DATE: 07/30/10 TIME: 11:57  
CLERK: publichea DEPT:

PAID BY:  
PAYMENT METH: CHECK 2102

REFERENCE:

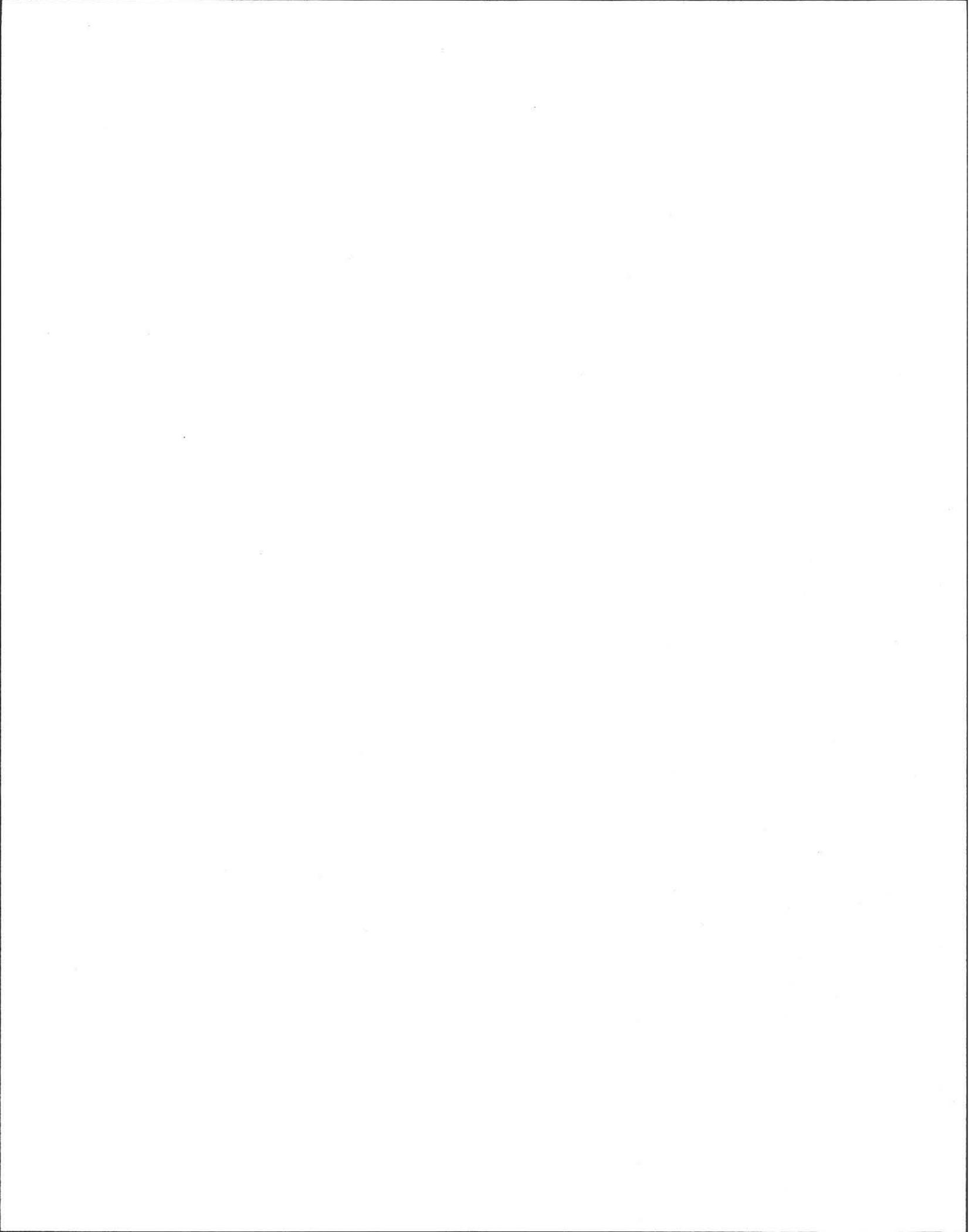
AMT TENDERED: 150.00  
AMT APPLIED: 150.00  
CHANGE: .00

SITE ADDRESS: 715 STATION ROAD

FEES:  
HEA017 SEPTIC TANK PER 150.00

TOTAL PAID: 150.00

*Ladd  
Septic Plan Review  
715 Station Road  
Batch 646*



No. \_\_\_\_\_

COMMONWEALTH OF MASSACHUSETTS

Board of Health, Amherst, MA.

APPLICATION FOR DISPOSAL SYSTEM CONSTRUCTION PERMIT



Application for a Permit to Construct ( ) Repair  Upgrade ( ) Abandon ( ) -  Complete System.  Individual Components

Location	<u>715 Station Rd</u>	Owner's Name	<u>Edward Ladd</u>
Map/Parcel#	<u>24B / 35</u>	Address	<u>715 Station Rd.</u>
Lot#		Telephone#	<u>256-6791</u>
Installer's Name	<u>Paul Lussier</u>	Designer's Name	<u>Alan Weiss</u>
Address	<u>Belchertown, MA.</u>	Address	<u>Belchertown</u>
Telephone#	<u>413-323-5957</u>	Telephone#	<u>413-323-5957.</u>

Type of Building Residence Lot Size 52,772 1/2 sq. ft.  
 Dwelling - No. of Bedrooms 3 Bedroom Garbage grinder   
 Other - Type of Building \_\_\_\_\_ No. of persons \_\_\_\_\_ Showers ( ), Cafeteria ( )  
 Other Fixtures \_\_\_\_\_

Design Flow (min. required) 110 gpd Calculated design flow 3190 Design flow provided 421 gpd

Plan: Date 7/28/2010 Number of sheets 1 Revision Date \_\_\_\_\_

Title Sepic System Repair Plan

Description of Soil(s) Class 1: LS

Soil Evaluator Form No. \_\_\_\_\_ Name of Soil Evaluator A. Weiss, R.S. Date of Evaluation 7-23-2010  
G. Cartmache, Amherst.

DESCRIPTION OF REPAIRS OR ALTERATIONS Complete new SAS

The undersigned agrees to install the above described Individual Sewage Disposal System in accordance with the provisions of TITLE 5 and further agrees to not to place the system in operation until a Certificate of Compliance has been issued by the Board of Health.

Signed \_\_\_\_\_ Date \_\_\_\_\_

Inspections \_\_\_\_\_

No. \_\_\_\_\_

COMMONWEALTH OF MASSACHUSETTS

Board of Health, \_\_\_\_\_, 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 ( )

by: \_\_\_\_\_

at \_\_\_\_\_

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. \_\_\_\_\_, dated \_\_\_\_\_, Approved Design Flow \_\_\_\_\_(gpd)

Installer \_\_\_\_\_

Designer: \_\_\_\_\_ Inspector: \_\_\_\_\_ Date: \_\_\_\_\_

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

No. \_\_\_\_\_

COMMONWEALTH OF MASSACHUSETTS

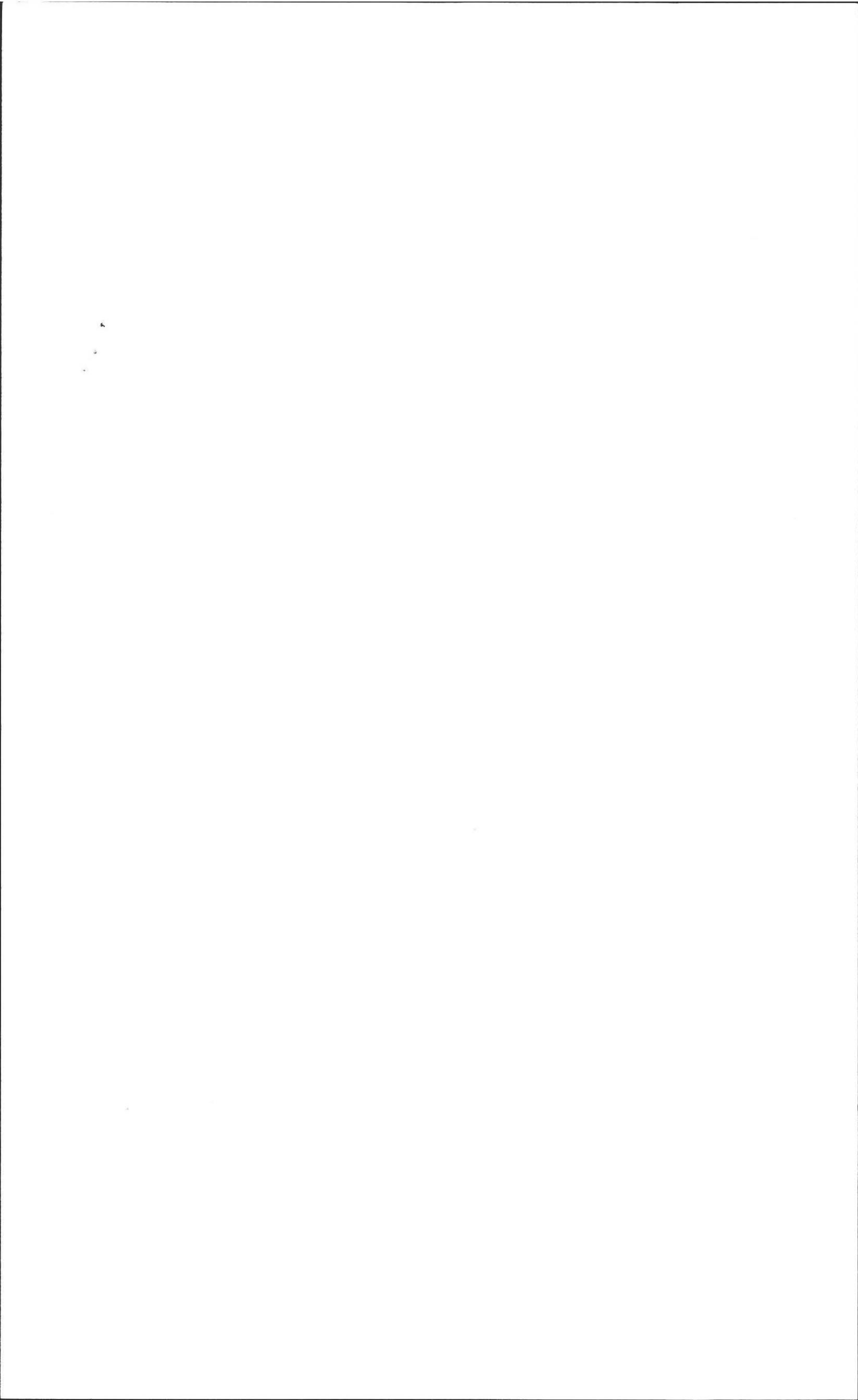
Board of Health, \_\_\_\_\_, MA.

DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permission is hereby granted to; Construct ( ) Repair ( ) Upgrade ( ) Abandon ( ) an individual sewage disposal system at \_\_\_\_\_ as described in the application for

Disposal System Construction Permit No. \_\_\_\_\_, dated \_\_\_\_\_.

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





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
- Title 5 Inspections

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

aeweiss@charter.net

Date: 7/13/10

Commonwealth of Massachusetts

Amherst, Massachusetts

Soil Suitability Assessment for On-site Sewage Disposal

Performed By: Alan Weiss

Date: 7/13/10

Witnessed By: Gary Courtemarche

Location Address or Lot # <u>715 Station Rd. Amherst, MA 01002</u>	Owner's Name, Address, and Telephone # <u>Ed Ladd 715 Station Rd. Amherst, MA 256-6791</u>
New Construction <input type="checkbox"/> Repair <input checked="" type="checkbox"/>	

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)

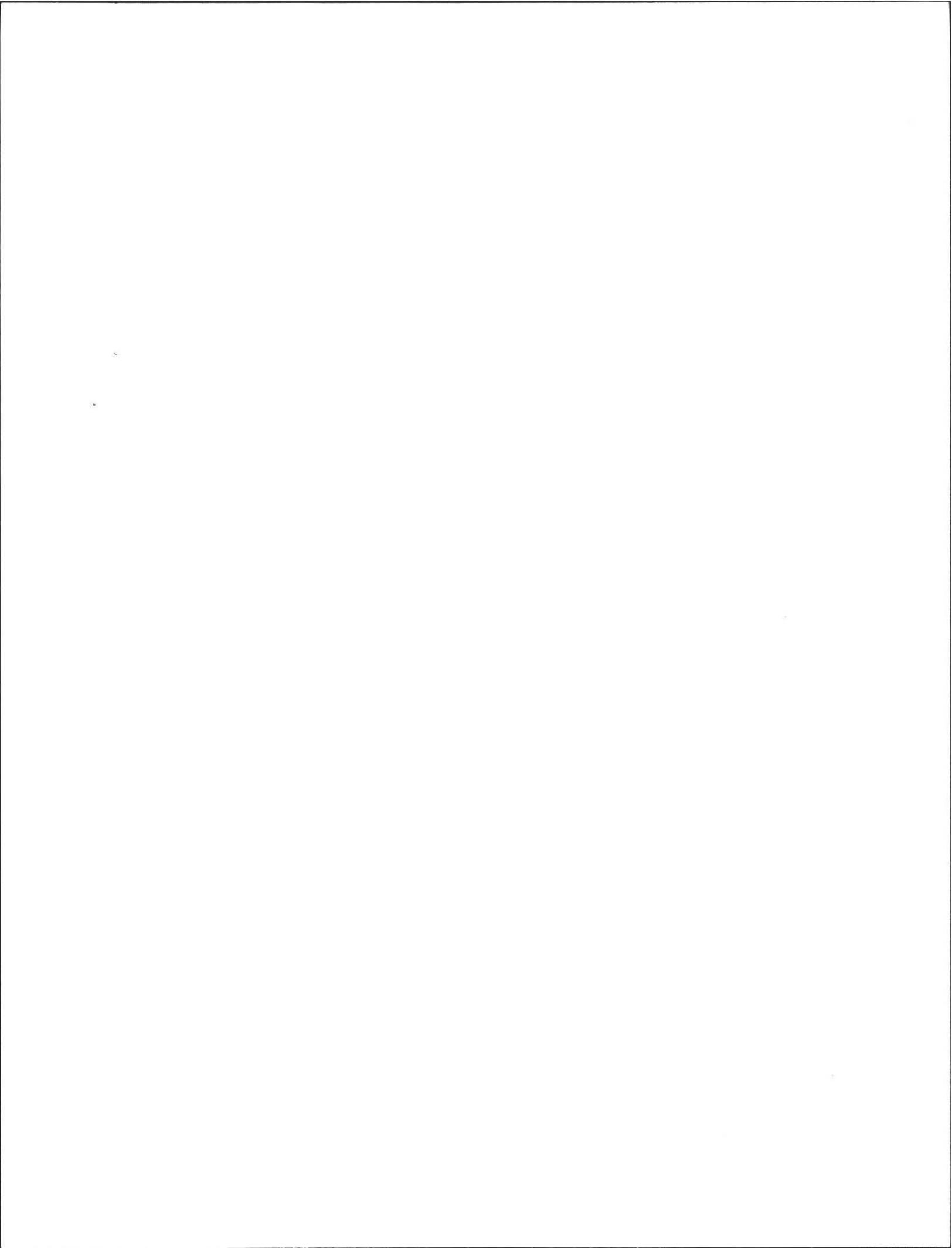
Wetlands Conservancy Program Map (map unit)

Current Water Resource Conditions (USGS): Month

Range :Above Normal  Normal  Below Normal

Other References Reviewed: \_\_\_\_\_





Location Address or Lot No. 715 Station Rd.

On-site Review

Deep Hole Number \_\_\_\_\_ Date: 7/13/10 Time: \_\_\_\_\_ Weather Overcast, Hot, Dry

Location (identify on site plan) \_\_\_\_\_

Land Use Residential Slope (%) 3% Surface Stones NONE

Vegetation Lawn Grass

Landform \_\_\_\_\_

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 20 feet  
 Drinking Water Well >100 feet      Other \_\_\_\_\_

**DEEP OBSERVATION HOLE LOG\***

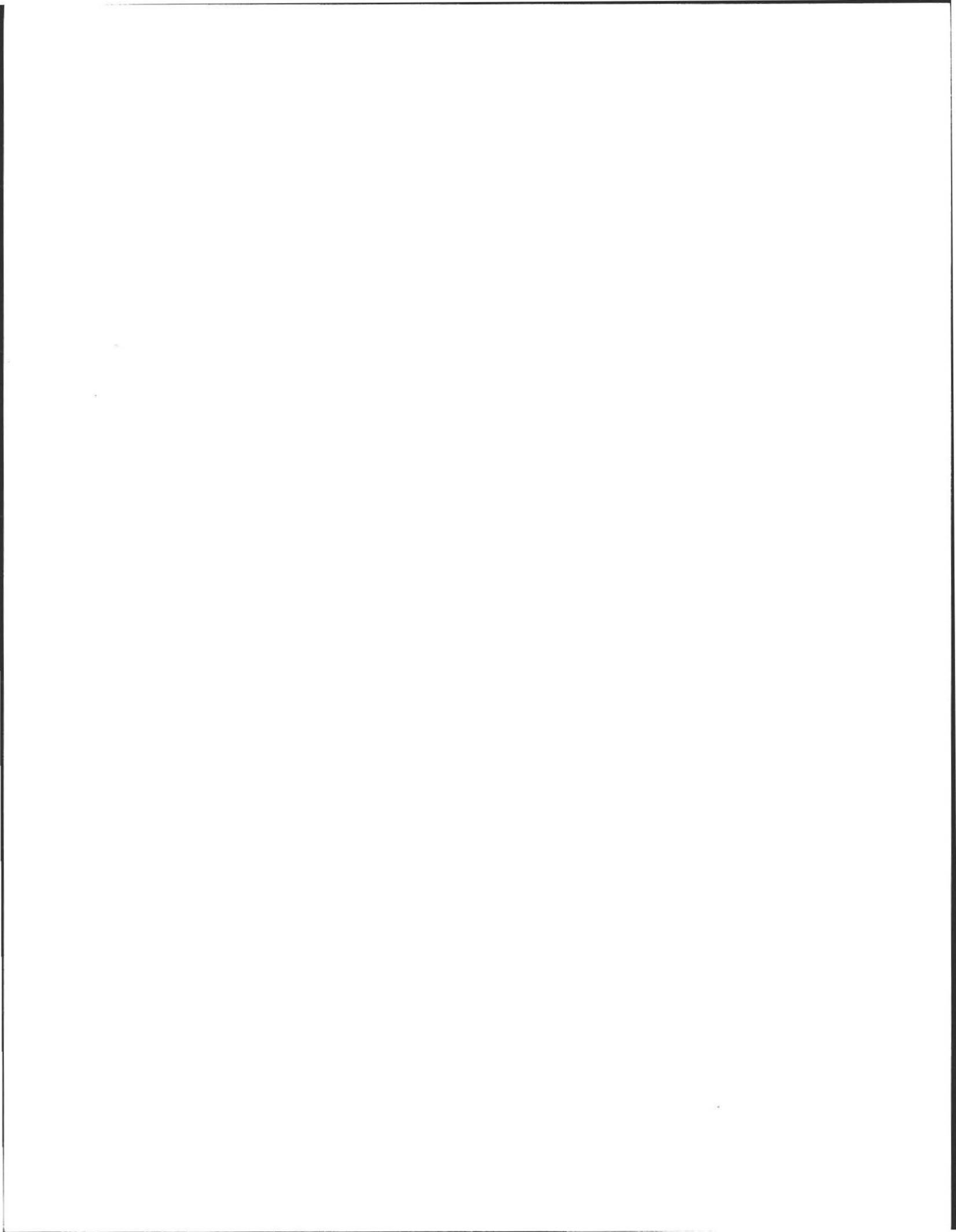
Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
0" - 13"	A	FSL	10YR 3/3		
13" - <del>26</del>	B	LS	10YR 5/6	48"	7.5 YR 8 Oxides
26" - <del>120</del>	C <sub>1</sub>	Glacial Till F-Medium Sand - Some silt	2.5Y 4/2		10% Cobbles + Gravel Mod. Compact. f. Sand, silt
0-13	A	FSL	10YR 3/3	42"	Same as #1
SAME 13-26	B	LS	10YR 5/6		
26-120	C <sub>1</sub>	LS	2.5Y 4/2		

\* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic) Delta Deposits - outwash overfill Depth to Bedrock: = 120"  
 Depth to Groundwater: Standing Water in the Hole: NONE Weeping from Pit Face: NONE  
 Estimated Seasonal High Ground Water: 40" - 48"



3 Bedrooms House  
 Town Water  
 No Grinder



Location Address or Lot No. 715 Station Rd.

COMMONWEALTH OF MASSACHUSETTS  
Amherst, Massachusetts

Percolation Test*		
Date: ... <u>7/13/10</u>		Time: <u>1:10 PM.</u>
Observation Hole #	<u>#1</u>	
Depth of Perc	<u>50"-51"</u>	
Start Pre-soak	<u>1:10</u>	
End Pre-soak	<u>1:25</u>	
Time at 12"	<u>1:25</u>	
Time at 9"	<u>1:37</u>	
Time at 6"	<u>1:47</u>	
Time (9"-6")	<u>10</u>	
Rate Min./Inch	<u>4 MPI</u>	

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

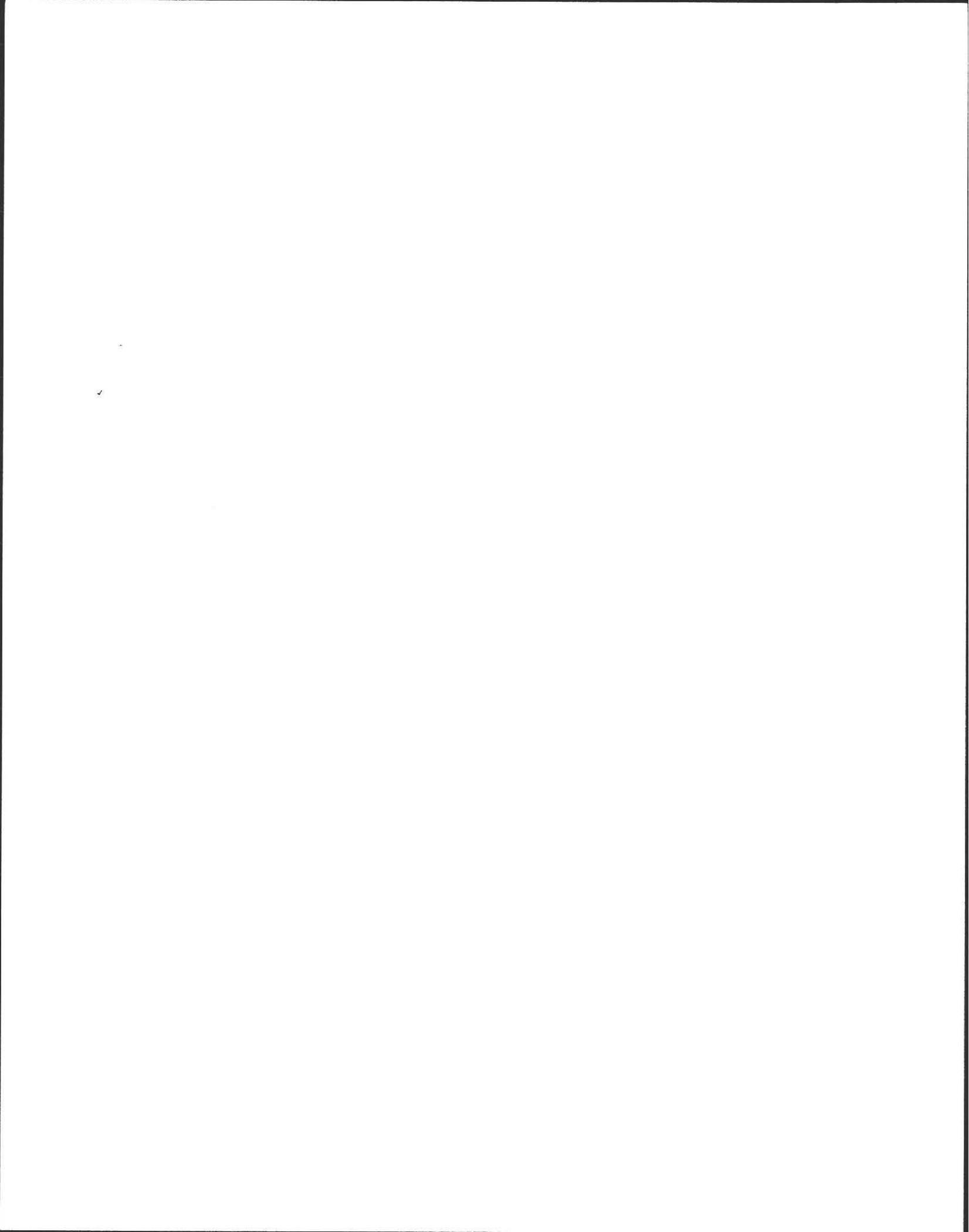
Site Passed  Site Failed

Performed By: A. Weiss

Witnessed By: B. Cavatone

Comments: \_\_\_\_\_





Location Address or Lot No. 715 Staten Rd

### Determination for Seasonal High Water Table

Method Used:

- Depth observed standing in observation hole ..... inches
- Depth weeping from side of observation hole ..... inches
- Depth to soil mottles 42-48" 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 6/95 (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 7/13/2010



