

19 OVERLOOK DR. Lot # 49



No. 07-13

I can provide septic design when needed

FEE _____

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 Component

Location <u>Overlook Dr.</u>	Owner's Name <u>Sheila Stevens</u>
Map/Parcel# <u>6B</u>	Address <u>8- Windflower LA, W. Windstar NJ</u>
Lot# <u>49 (#19)</u>	Telephone# _____
Installer's Name _____	Designer's Name <u>Alan Weiss</u>
Address _____	Address <u>Baldwin MA</u>
Telephone# _____	Telephone# <u>413-823-5957</u>

Type of Building R/S Lot Size 2.02 Ac
 Dwelling - No. of Bedrooms 4 BR Garbage grinder ()
 Other - Type of Building _____ No. of persons _____ Showers (), Cafeteria ()
 Other Fixtures _____
 Design Flow (min. required) 110 gpd Calculated design flow 440 Design flow provided 516 gpd
 Plan: Date: 11-06-07 Number of sheets 1 Revision Date: _____
 Title Septic System Plan
 Description of Soil(s) Class 1:LS
 Soil Evaluator Form No. _____ Name of Soil Evaluator 10/04/07 Date of Evaluation Am Weiss
T. Davis

DESCRIPTION OF REPAIRS OR ALTERATIONS New CONST / System

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 (Signature) for Sheila Date _____

SIGN & DATE

Inspections _____

No. 07-13

FEE \$150.00

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 910 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.

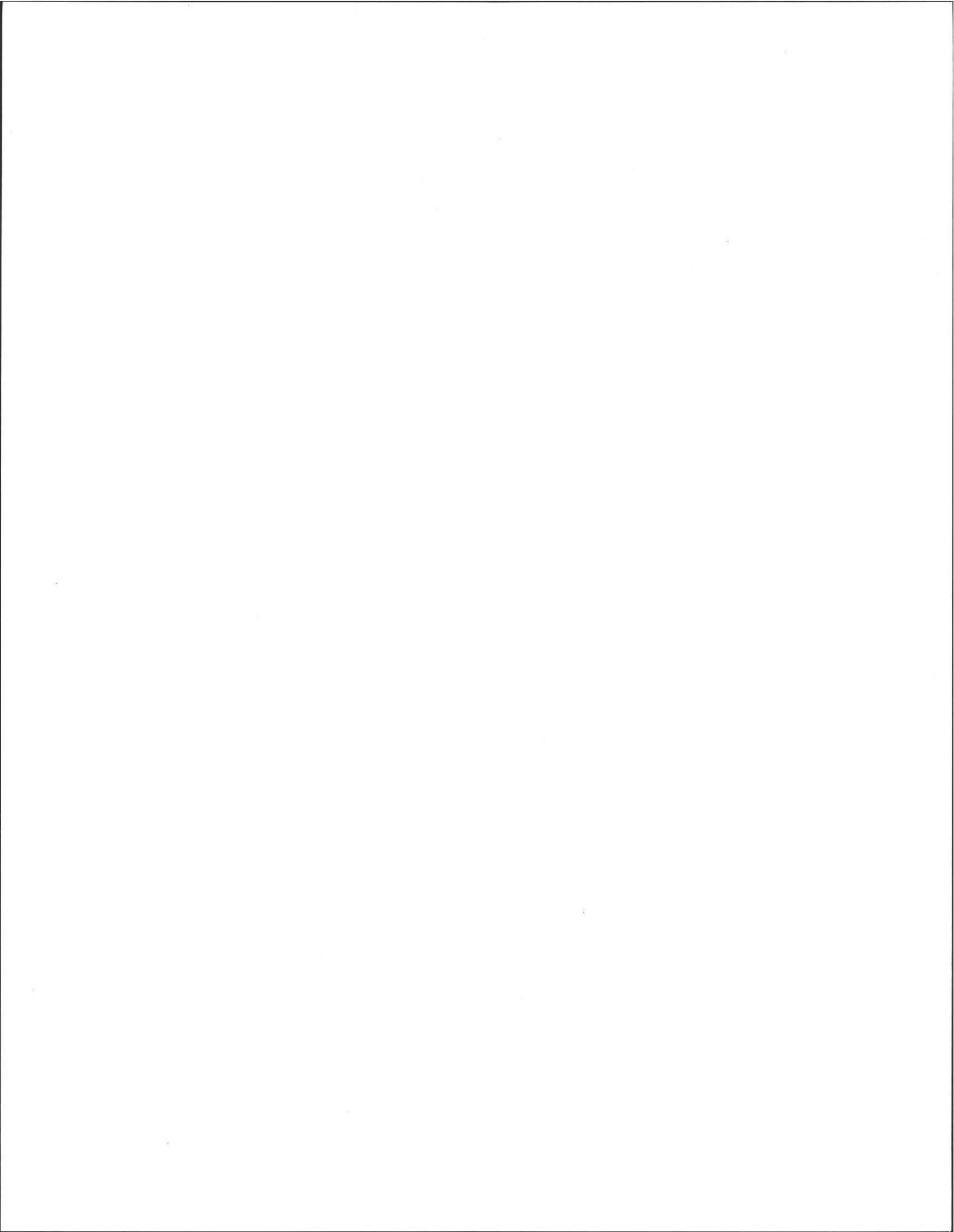
COMMONWEALTH OF MASSACHUSETTS

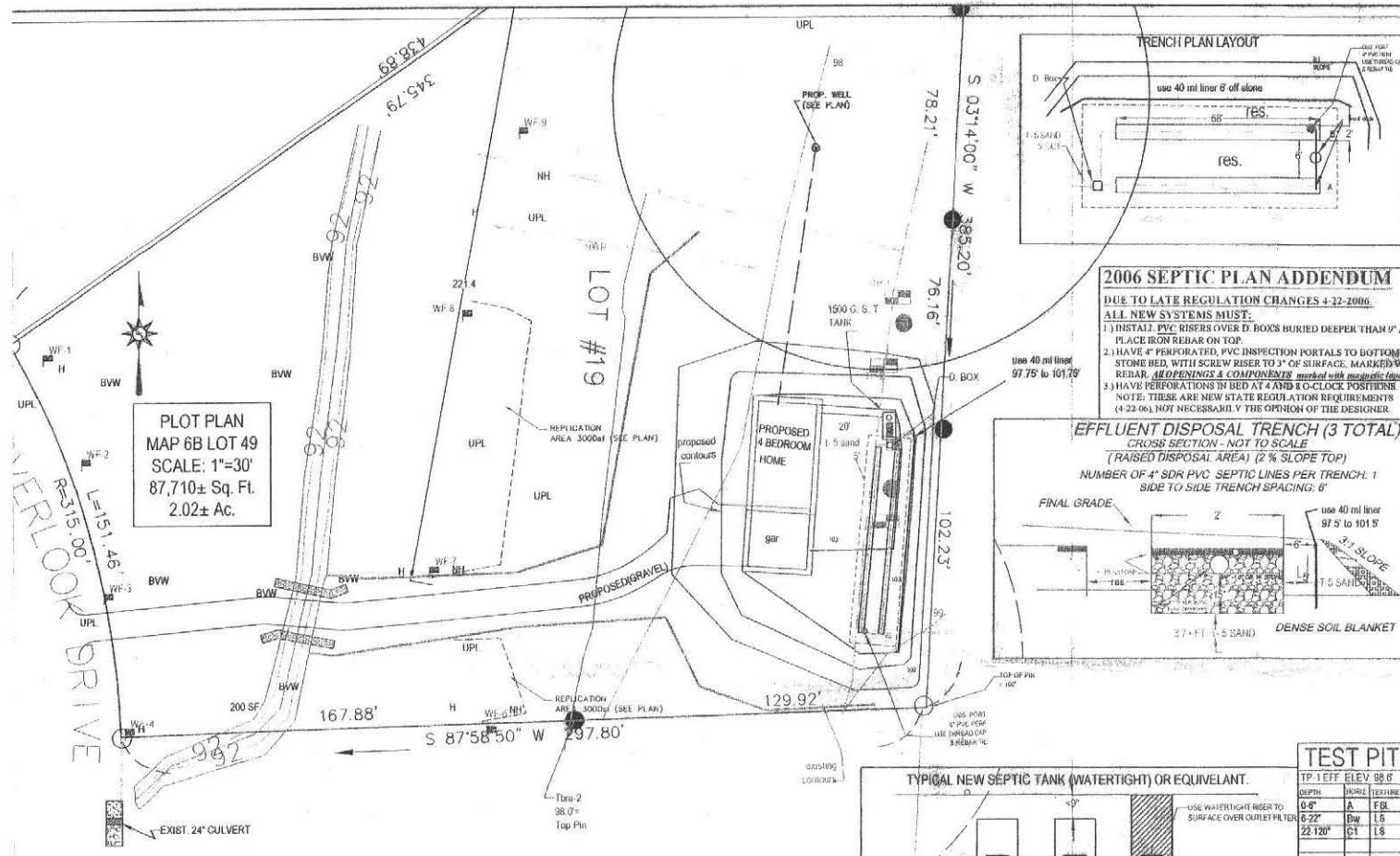
Board of Health, Amherst, MA

DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permission is hereby granted to: Construct () Repair () Upgrade () Abandon () an individual sewage disposal system at Overlook Dr. Parcel 6B / Lot #49 (#19) as described in the application for Disposal System Construction Permit No. 07-13, dated 11-06-07.

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



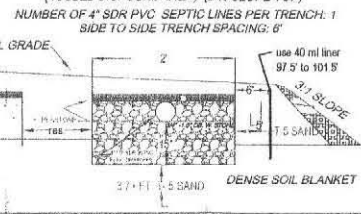


PLOT PLAN
 MAP 6B LOT 49
 SCALE: 1"=30'
 87,710± Sq. Ft.
 2.02± Ac.

2006 SEPTIC PLAN ADDENDUM

DUE TO LATE REGULATION CHANGES 4-22-2006.
ALL NEW SYSTEMS MUST:
 1) INSTALL PVC RISERS OVER D. BOXS BURIED DEEPER THAN 9" AND PLACE IRON REBAR ON TOP.
 2) HAVE 4" PERFORATED PVC INSPECTION PORTALS TO BOTTOM OF STONE BED, WITH SCREW RISER TO 3" OF SURFACE, MARKED WITH REBAR. **ADORNINGS & COMPONENTS marked with manufacturer.**
 3) HAVE PERFORATIONS IN BED AT 4 AND 8 O-CLOCK POSITIONS.
 NOTE: THESE ARE NEW STATE REGULATION REQUIREMENTS (4-22-06), NOT NECESSARILY THE OPINION OF THE DESIGNER.

EFFLUENT DISPOSAL TRENCH (3 TOTAL)
 CROSS SECTION - NOT TO SCALE
 (RAISED DISPOSAL AREA) (2% SLOPE TOP)
 NUMBER OF 4" SDR PVC SEPTIC LINES PER TRENCH: 1
 SIDE TO SIDE TRENCH SPACING: 6'



DESIGN NOTES AND CALCULATIONS:

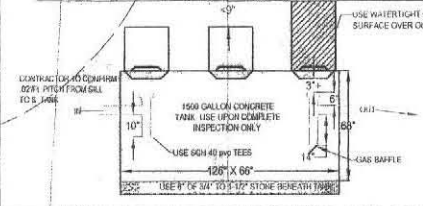
- 1.) 4 BR X 110 GPD / BR = 440 GPD (required)
 - USE TWO TRENCHES; 2' WIDE X 68" LONG WITH 15" OF 2" DBL WASHED STONE BELOW INVERT
 - BOTTOM AREA: 2 W X 68" L X 2 TRENCHES = 272 SF.
 - END AREA: 1 25" H X 68" L X 2 SIDES X 2 TRENCHES = 340 SF.
 - END AREA: 2 W X 1 25" H X 2 SIDES X 2 TRENCHES = 10 SF.
 - TOTAL AREA: 622 SF X 0.74 GAUSE = 460 GPD
 - 2.) 3. GARBAGE DISPOSAL NOT ALLOWED
 - 3.) NO PRIVATE WELLS WITHIN 150 FEET OF SAS.
 - 4.) NO OTHER WELLS WITHIN 100 FEET OF SAS.
 - 5.) USE NEW 1500 GAL. S. TANK AS NOTED & MAINTAIN 0.02 PITCH FROM SILL TO S. TANK
 - 6.) INSTALL & INSPECT SCH. 40 TEEs / Baffles (10" INLET, 14" OUTLET).
- NOTE:**
 - SEPTIC TANKS AND PUMP CHAMBERS WITH RECEIVING COVERS ARE NOT ALLOWED. BE SURE TO MAINTAIN 3" CLEARANCE FROM TOP OF TEEs TO BOTTOM OF TANK COVERS.
 7.) USE LARGE STYLE D. BOX ONLY.
 7A.) ALL D. BOX OUTLET PIPES LEVEL FOR FIRST 2'
NOTE:
 - D. BOXES WITH COVERS AND WALLS LESS THAN 2" THICK ARE NOT ALLOWED PER DESIGN.
 8.) USE APPROVED (1 1/2") DBL WASHED STONE LAYER TANK & D. BOX FOR 6"
 - CONFIRM STONE PROPERLY WASHED (WITH BUCKET / H2O TEST) PRIOR TO PLACEMENT.
 9.) USE PROPER SCH. 40 PVC TEEs AS SHOWN.
 10.) PRE & POST CONTOURS NOTED AS NECESSARY. RESERVE AREA NOTED BETWEEN TRENCHES.
 11.) SLOPE CALCS (SEE CONTOURS), SUBGRADE INSP. RECD.
 13.) USE TRENCHES DUE TO TOPOGRAPHY AND SPACE OF LOT WITH RESPECT TO LOCATION AND ELEVATION OF RESIDENCE (910 C.M.R. 15.24).
 14.) USE 2% MIN. SLOPE OVER SAS.
 - CLEAR TOP AND SUB TO 28" MIN. AS NEEDED (INSPECTION REQUIRED).
 - CLEAR TO BASE OF B (MIN. 28") UNDER BED & EARLY PRIOR TO TITLE V SAND PLACEMENT (if needed).
 - EXCAVATE EXISTING SYSTEM AND REMOVE.
 15.) SOIL EVALUATION BY A WEISS 100407 (1 DION BION AGENT).
 - DEPTH OF HRS: 40 & 30"
 - PERC RATE = 3.33 MIN/IN
 - CLASS 1 SOIL RATING (SAND)
 16.) NO TREES WITHIN 10 FT. OF NEW LEACH FIELD. USE TITLE V FILL 5' OUT
 17.) ENGINEER TO INSPECT SUBGRADE, AND FINAL
 18.) BM=199.00 @ PIN AS NOTED, CONFIRM PROPER PIPE SLOPES
 - USE INSPECT SCH. 40 PIPE FOR PIPE FROM HOUSE TO NEW OR EXISTING TANK
 19.) GRADE MOUND AND SEED OVER LEACHFIELD AS NOTED.
 20.) INSTALLATION IN LOW GROUNDWATER SEASON RECOMMENDED.

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.) CLEAN TANK OUTLET FILTER ANNUALLY IF PRESENT

NOTE TO HOMEOWNER: MOUNDS, WHERE USED, ARE REQUIRED BY STATE CODE TO MAXIMIZE THE DISTANCE FROM THE BOTTOM OF THE LEACHING FIELD TO THE TOP OF THE ESTIMATED HIGH GROUNDWATER. THIS "SEPARATION" FROM HIGH GROUNDWATER (3.4 OR 5 FEET), IS NOT THE SAME AS THE HEIGHT OF THE FINISHED MOUND SURFACE. THE ACTUAL FINISHED MOUND IS TYPICALLY HIGHER THAN THE "SEPARATION" BY SIGNING PERMIT YOU ACKNOWLEDGE THAT COLD SPRING ENVIRONMENTAL CONSULTANTS INC. IS NOT RESPONSIBLE FOR THE AESTHETICS OF FILLED OR MOUNDED SYSTEMS.

TYPICAL NEW SEPTIC TANK (WATERTIGHT) OR EQUIVALENT.



TEST PIT LOG:

DEPTH	MOIST	TEXTURE	MOISTURE	MATERIAL
0-4"	A	FSL	(10 YR 3.2)	FRAGILE
4-22"	Bw	LS	(10 YR 4.6)	FRAGILE / LOOSE
22-120"	C1	LS	2.5 Y 4.2	F. C. SANDY G. TILL
				15% BOULDERS, MOD MASSIVE
			(10 YR 6.6)	MASSIVE
			(2.5 Y 4.1)	OBSERVED @ 30"

SOIL EVALUATOR: A WEISS 10.04.2007

DEPTH	MOIST	TEXTURE	MOISTURE	MATERIAL
0-4"	A	FSL	(10 YR 3.2)	FRAGILE
4-22"	Bw	LS	(10 YR 4.6)	FRAGILE / LOOSE
22-120"	C1	LS	2.5 Y 4.2	F. C. SANDY G. TILL
				15% BOULDERS, MOD MASSIVE
			(10 YR 6.6)	MASSIVE
			(2.5 Y 4.1)	OBSERVED @ 30"

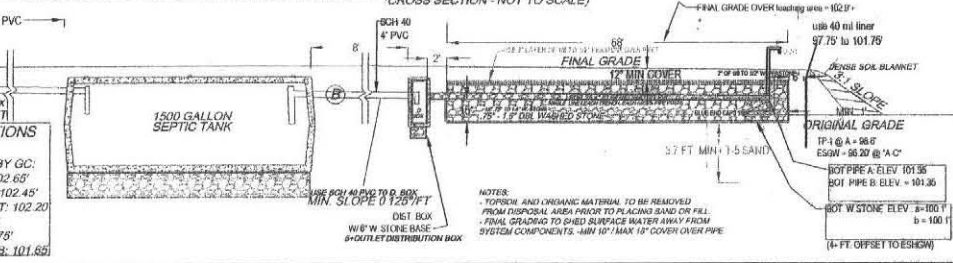
TEST PIT LOG:

DEPTH	MOIST	TEXTURE	MOISTURE	MATERIAL
0-8"	A	FSL	(10 YR 3.2)	FRAGILE
8-28"	Bw	LS	(10 YR 4.6)	FRAGILE / LOOSE
28-110"	C1	LS	2.5 Y 4.2	F. C. SANDY G. TILL
				15% BOULDERS, MOD MASSIVE
			(10 YR 6.6)	MASSIVE
			(2.5 Y 4.1)	OBSERVED @ 30"

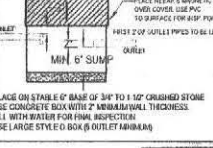
SOIL EVALUATOR: A WEISS 10.04.2007

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				15% BOULDERS, MOD MASSIVE
			(10 YR 6.6)	MASSIVE
			(2.5 Y 4.1)	OBSERVED @ 30"

leach trench EFFLUENT DISPOSAL SYSTEM



TYPICAL D. BOX (WATERTIGHT)



SEPTIC SYSTEM DESIGN PLAN AND NOTICE OF INTENT FOR SHEILA STEVENS
 MAP 6B LOT 49 OVERLOOK DRIVE
 AMHERST, MA

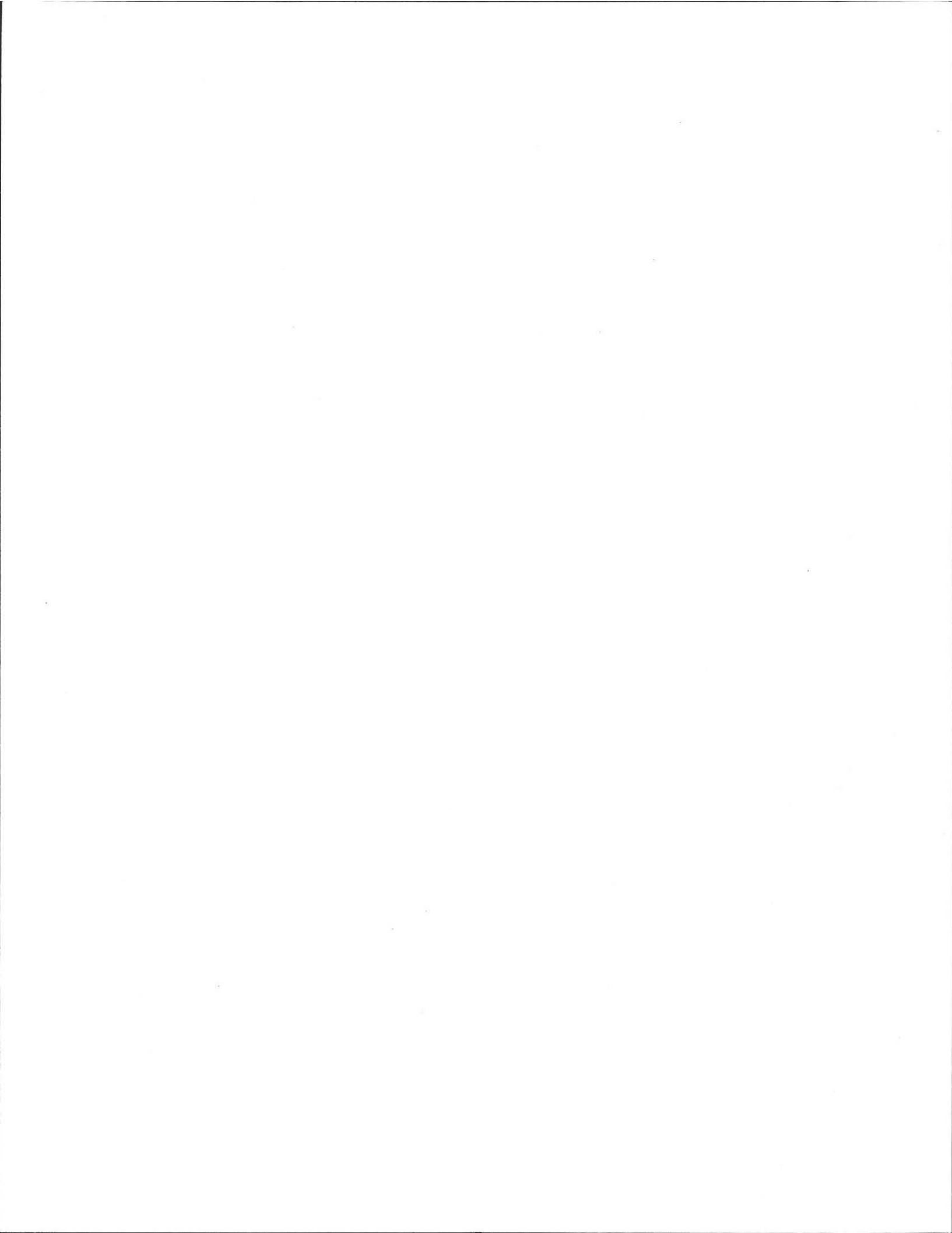
Cold Spring Environmental Consultants Inc.
 350 Old England Road
 Belchertown, MA 01007

DATE: 11.06.2007
 SCALE: 1"=30'
 DRAWN BY: ALAN WEISS
 REVISED: 04.18.2009 SEPTIC
 DRAWING NUMBER: 107-2868-0917

ATTENTION INSTALLER!
 CALL DIG SAFE BEFORE YOU DIG! MASSACHUSETTS STATE LAW CHAPTER 92 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.





No. 07-13

FEE \$450.00

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>Overlook Dr.</u>	Owner's Name <u>Sheila Stevens</u>
Map/Parcel# <u>6B</u>	Address <u>8. Whitaker, LA, W. Windsor NJ</u>
Lot# <u>49 (#19)</u>	Telephone# <u>609-426-0540</u>
Installer's Name	Designer's Name <u>Alan Weiss</u>
Address	Address <u>Belcheram, MA.</u>
Telephone#	Telephone# <u>413-323-5957</u>

Type of Building Res. Lot Size 2.02 Ac sq-ft.

Dwelling - No. of Bedrooms 4BR. Garbage grinder ()

Other - Type of Building _____ No. of persons _____ Showers (), Cafeteria ()

Other Fixtures _____

Design Flow (min. required) 110 gpd Calculated design flow 440 Design flow provided 516 gpd

Plan: Date 11-06-07 Number of sheets 1 Revision Date _____

Title Sepic System Plan.

Description of Soil(s) Class I.LS

Soil Evaluator Form No. _____ Name of Soil Evaluator 10/04/07 Date of Evaluation A. Weiss

T. Dion

DESCRIPTION OF REPAIRS OR ALTERATIONS New CONST / System

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~~ place the system in operation until a Certificate of Compliance has been issued by the Board of Health.

Signed [Signature] Date _____



Inspections _____

No. 07-13

FEE \$150.00

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. 07-13

FEE \$300.00

COMMONWEALTH OF MASSACHUSETTS

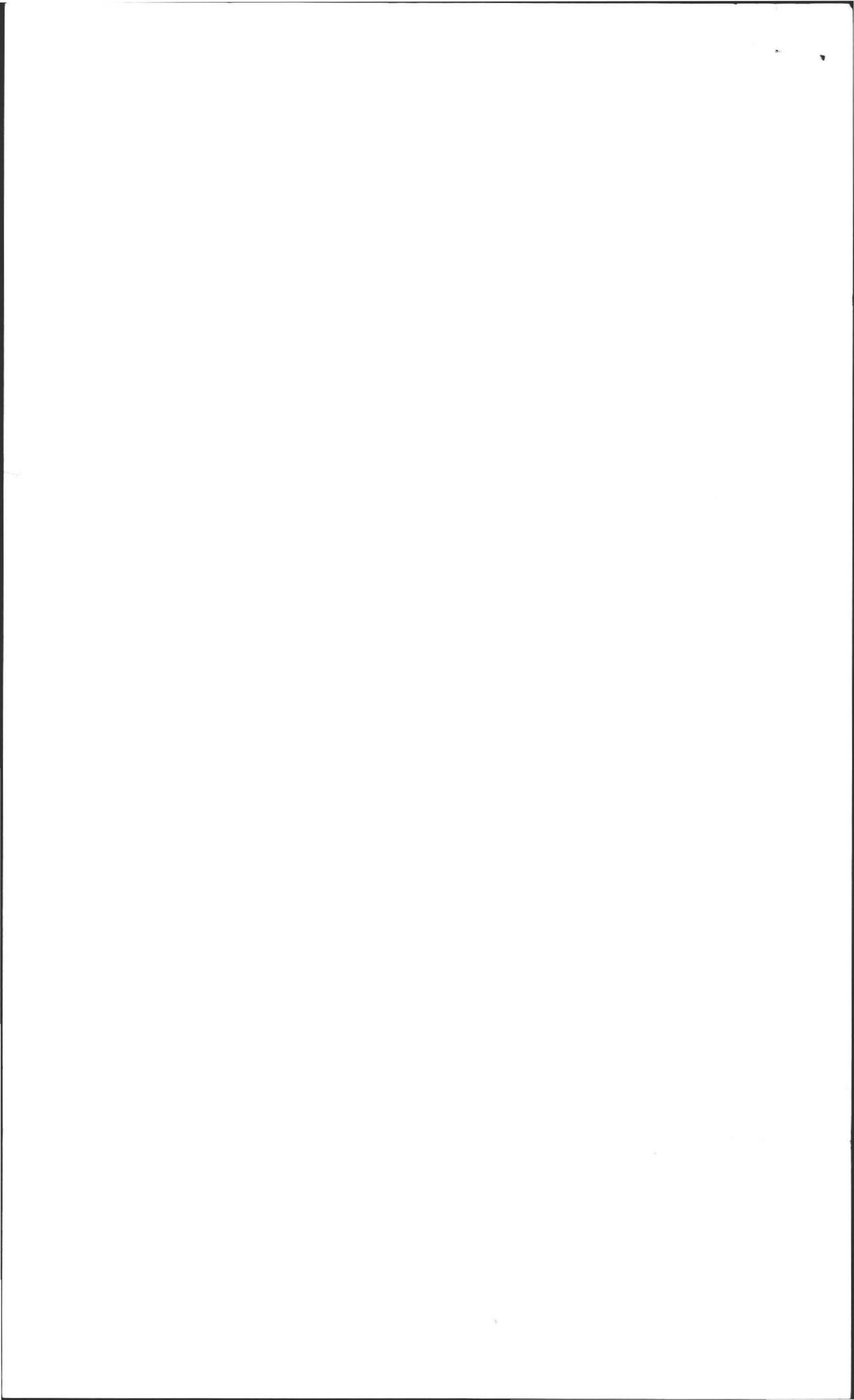
Board of Health, Amherst, MA.

DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permission is hereby granted to; Construct () Repair () Upgrade () Abandon () an individual sewage disposal system at Overlook Dr. Parcel 6B / Lot #49 (#19) as described in the application for Disposal System Construction Permit No. 07-13, dated 11-06-07.

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

Date 6-08-09 Board of Health [Signature], DC, MPH, RS





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: 10/4/07

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

Performed By: A Weiss
Witnessed By: T. Dior

Date: 10/4/07

Location Address or Lot # Lot 19 Overlook DR.	Owner's Name, Address, and Telephone # Shiels Stevans 8 Windflower LA. W. Windsor, NJ. 609-426-0540
New Construction <input type="checkbox"/> Repair <input 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)

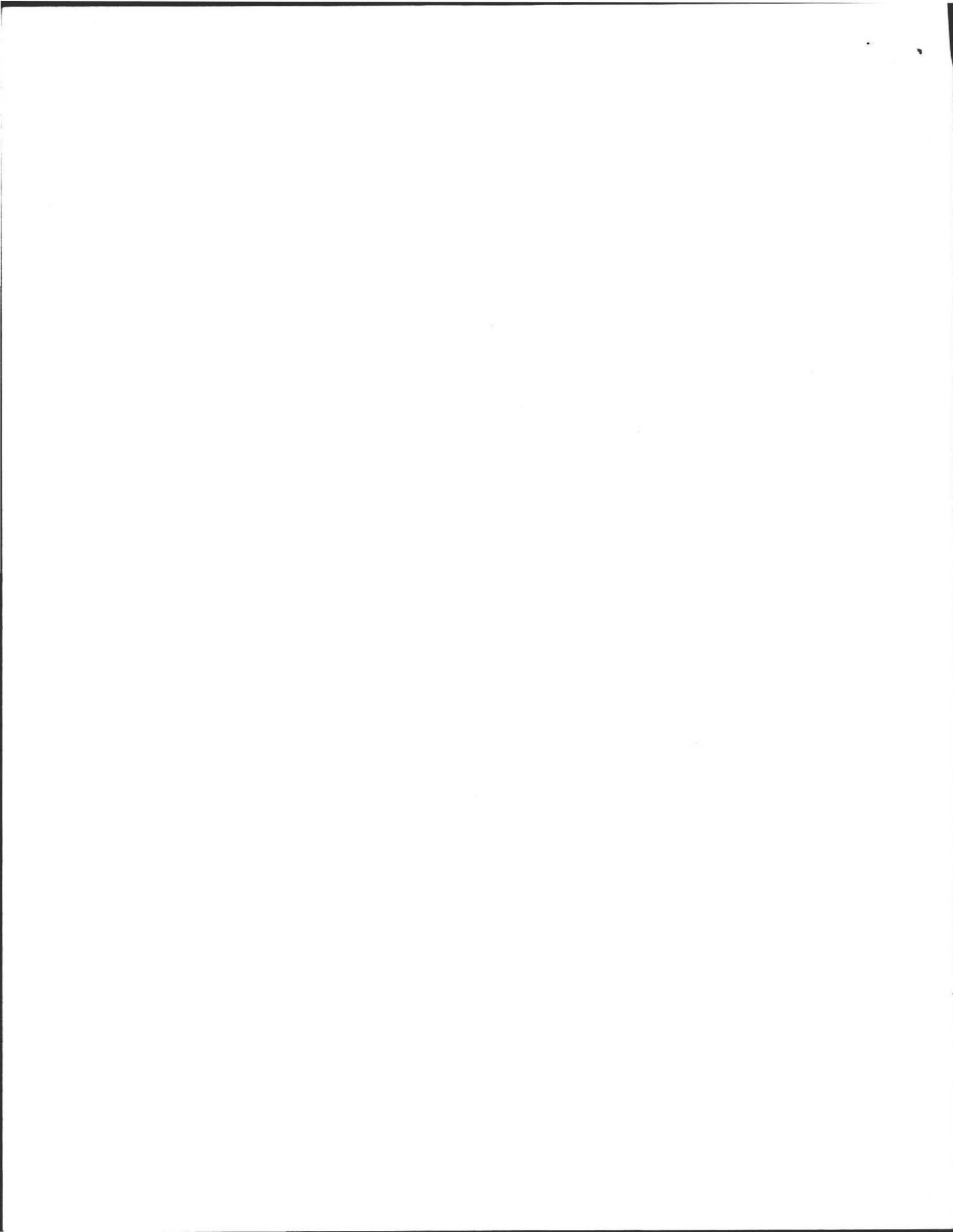
Wetlands Conservancy Program Map (map unit)

Current Water Resource Conditions (USGS): Month

Range : Above Normal Normal Below Normal

Other References Reviewed: _____





Location Address or Lot No. 19 Overlook DR.

On-site Review

Deep Hole Number 1 → 4 Date: 10/4/07 Time: 12:30 Weather Sun 80

Location (identify on site plan) _____

Land Use Wooded Slope (%) 2 Surface Stones many

Vegetation Mixed Wooded

Landform Terraced

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 70' 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)
<u>TP-1</u> 0-6"	<u>Ap</u>	<u>FSC</u>	<u>10YR 5/2</u>	<u>2.5Y 4/1</u>	<u>frable</u>
6"-22"	<u>Bw</u>	<u>LS</u>	<u>10YR 4/6</u>	<u>30</u>	<u>frable Loos</u>
22"-120"	<u>C₁</u>	<u>LS</u>	<u>2.5Y 4/2</u>	<u>10YR 6/8</u>	<u>F-C SANDY till. 15% stones MASSIVE</u>
<u>TP-2</u> 0-7"	<u>Ap</u>	<u>FSC</u>	<u>10Y 5/2</u>	<u>2.5Y 4/2</u>	
7"-25"	<u>Bw</u>	<u>LS</u>	<u>10YR 4/6</u>	<u>32"</u>	
25"-126"	<u>C₁</u>	<u>LS</u>	<u>2.5Y 4/2</u>	<u>10YR 6/8</u>	<u>same as #1</u>
<u>TP-3</u> 0-8"	<u>Ap</u>	<u>FSC</u>	<u>10YR 3/2</u>	<u>2.5Y 4/1</u>	
8"-26"	<u>Bw</u>	<u>LS</u>	<u>10YR 4/6</u>	<u>30"</u>	
26"-110"	<u>C₁</u>	<u>LS</u>	<u>2.5Y 4/5</u>	<u>10YR 6/8</u>	<u>same as #1</u>
<u>TP-4</u> 0-8"	<u>Ap</u>	<u>FSC</u>	<u>10YR 3/2</u>	<u>2.5Y 4/1</u>	
8"-28"	<u>Bw</u>	<u>LS</u>	<u>10YR 4/6</u>	<u>30"</u>	
28"-120"	<u>C₁</u>	<u>LS</u>	<u>2.5Y 4/5</u>	<u>10YR 6/8</u>	<u>same as #1</u>

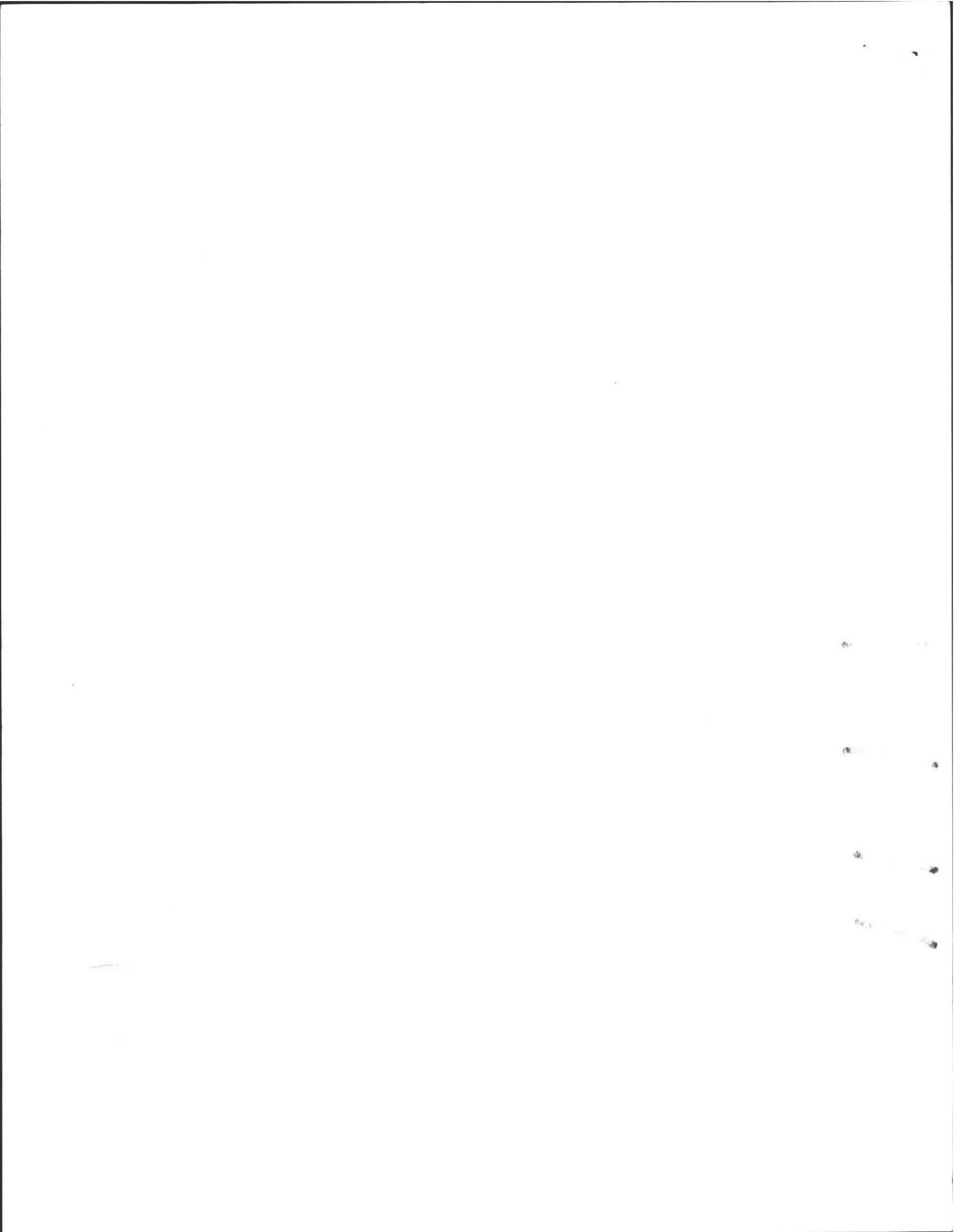
* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic) Ablation till Depth to Bedrock: 126'

Depth to Groundwater: Standing Water in the Hole: not Weeping from Pit Face: not

Estimated Seasonal High Ground Water: 30"





Location Address or Lot No. Lot 19 Overlook DR

COMMONWEALTH OF MASSACHUSETTS

Amherst, Massachusetts

Percolation Test*		
Date: <u>10/4/07</u>		Time: <u>1:00</u>
Observation Hole #	<u>P₁</u>	<u>P₂</u>
Depth of Perc	<u>40"</u>	<u>39"</u>
Start Pre-soak	<u>12:35</u>	<u>1:00</u>
End Pre-soak	<u>12:50</u>	<u>1:15</u>
Time at 12"	<u>12:50</u>	<u>1:15</u>
Time at 9"	<u>12:55</u>	<u>1:20</u>
Time at 6"	<u>1:02</u>	<u>1:29</u>
Time (9"-6")	<u>7 MIN</u>	<u>9 MIN</u>
Rate Min./Inch	<u>3 ^{MIN}/_{IN}</u>	<u>3 ^{MIN}/_{IN}</u>

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

Site Passed Site Failed

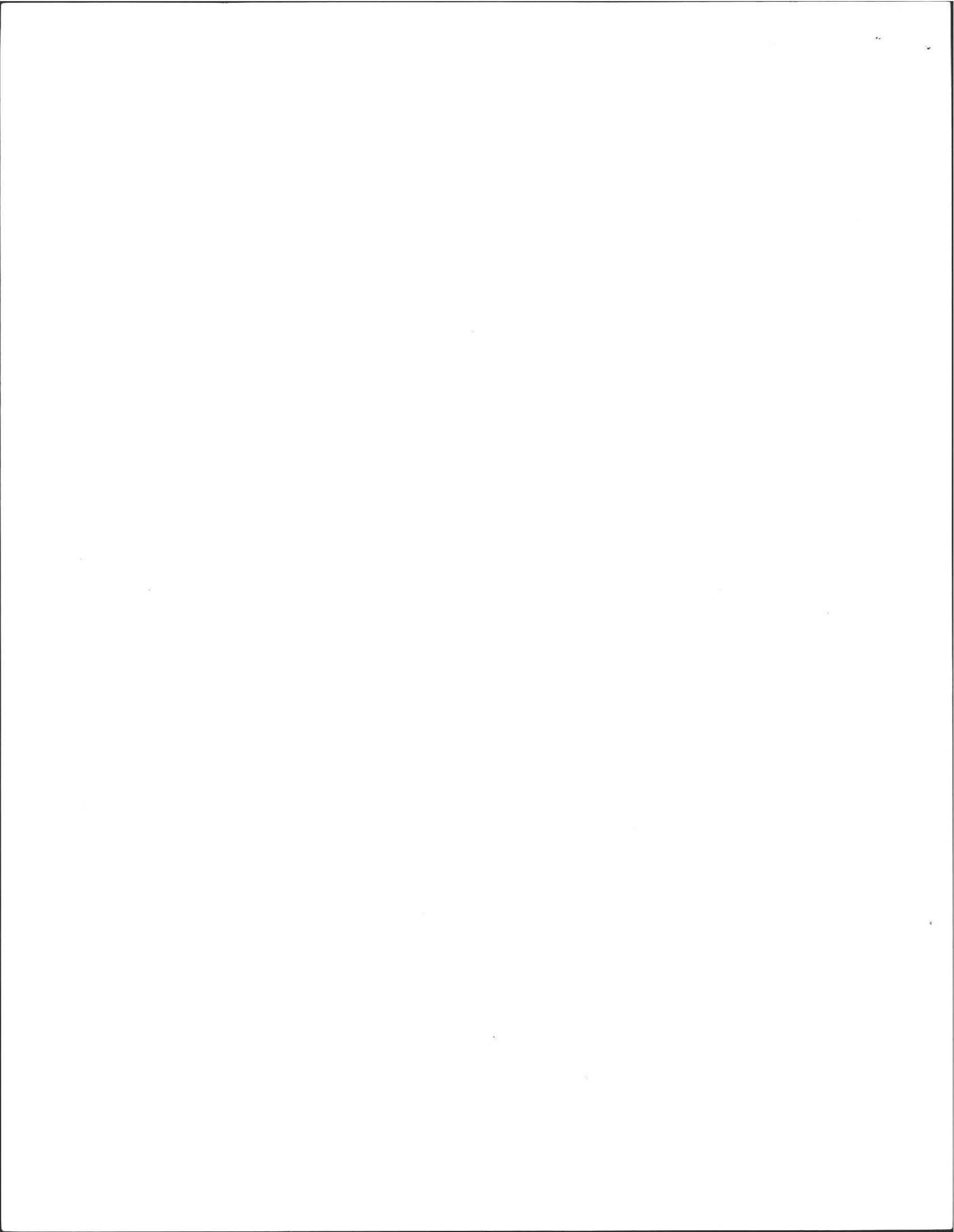
Performed By: A. WISS

Witnessed By: T. DIU

Comments: _____

* Files (5) MPI, 1985.





Location Address or Lot No. LOT 19 OVERLOOK DR.

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 30 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? _____

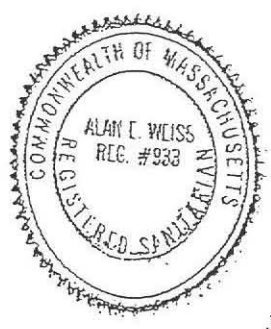
Certification

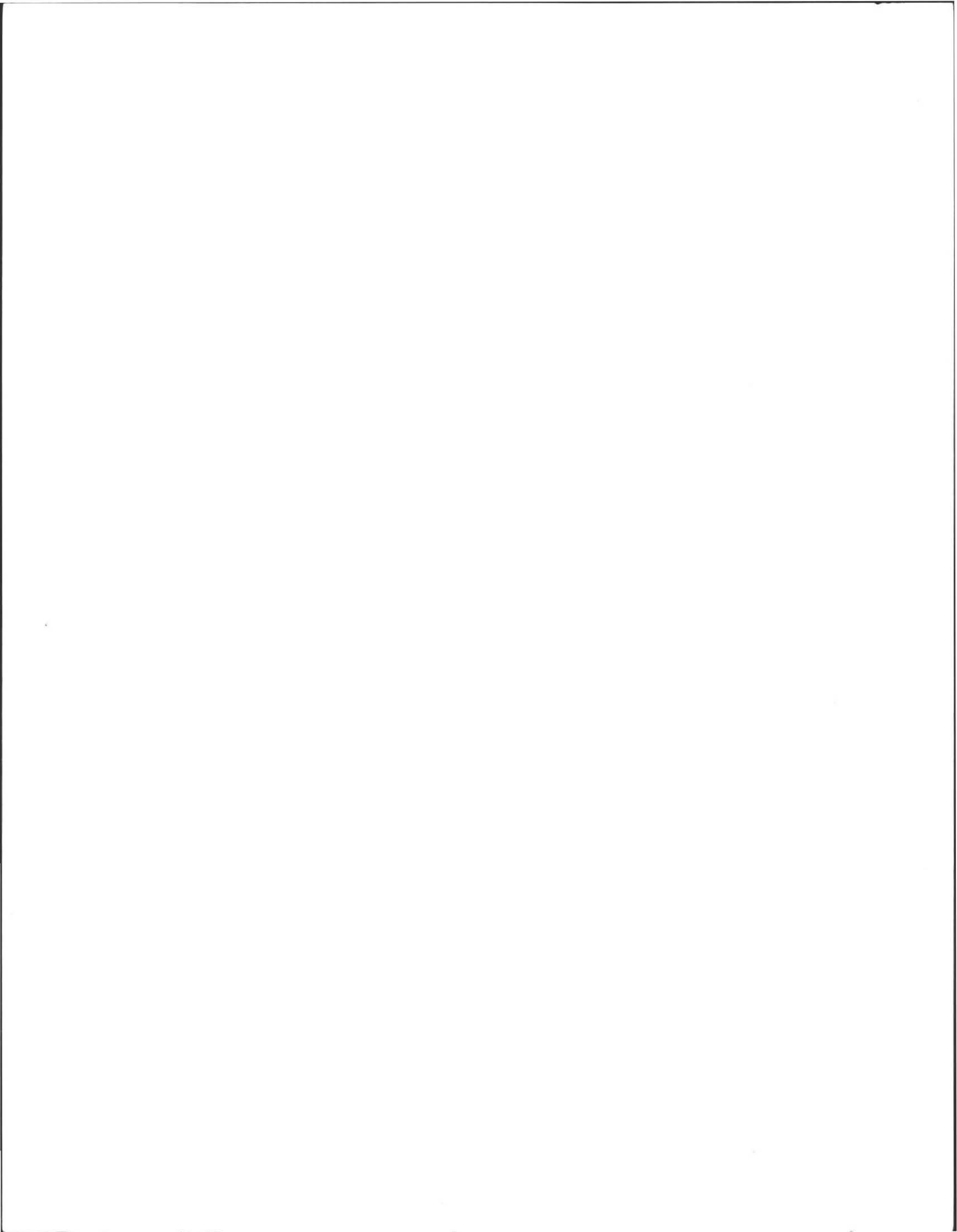
I certify that on 6/95 (date) I have passed the soil evaluator examination approved by the Department of Environmental Protection and that the above analysis was performed by me consistent with the required training, expertise and experience described in 310 CMR 15.017.

Signature [Signature] Date 10/4/07



DEP APPROVED FORM - 12/07/95





Amherst Public GIS Viewer PUBLIC GIS VIEWER Massachusetts

Search Home

Parcels Aerial '04 Topo Zoning Voting Size

Zoom Out In Scale 1" = 175 ft

SHUTESBURY

3D-21, 6B-47, 6B-48, 6B-49, 6B-90, 6B-91, 6B-89, 6B-50, 6B-51, OVERLOOK DR

Parcel	Address
6B-49	OVERLOOK DR

1 selected

Property	Address
6B-49 / OVERLOOK DR	

Property, Layer, Neighborhood, Assess

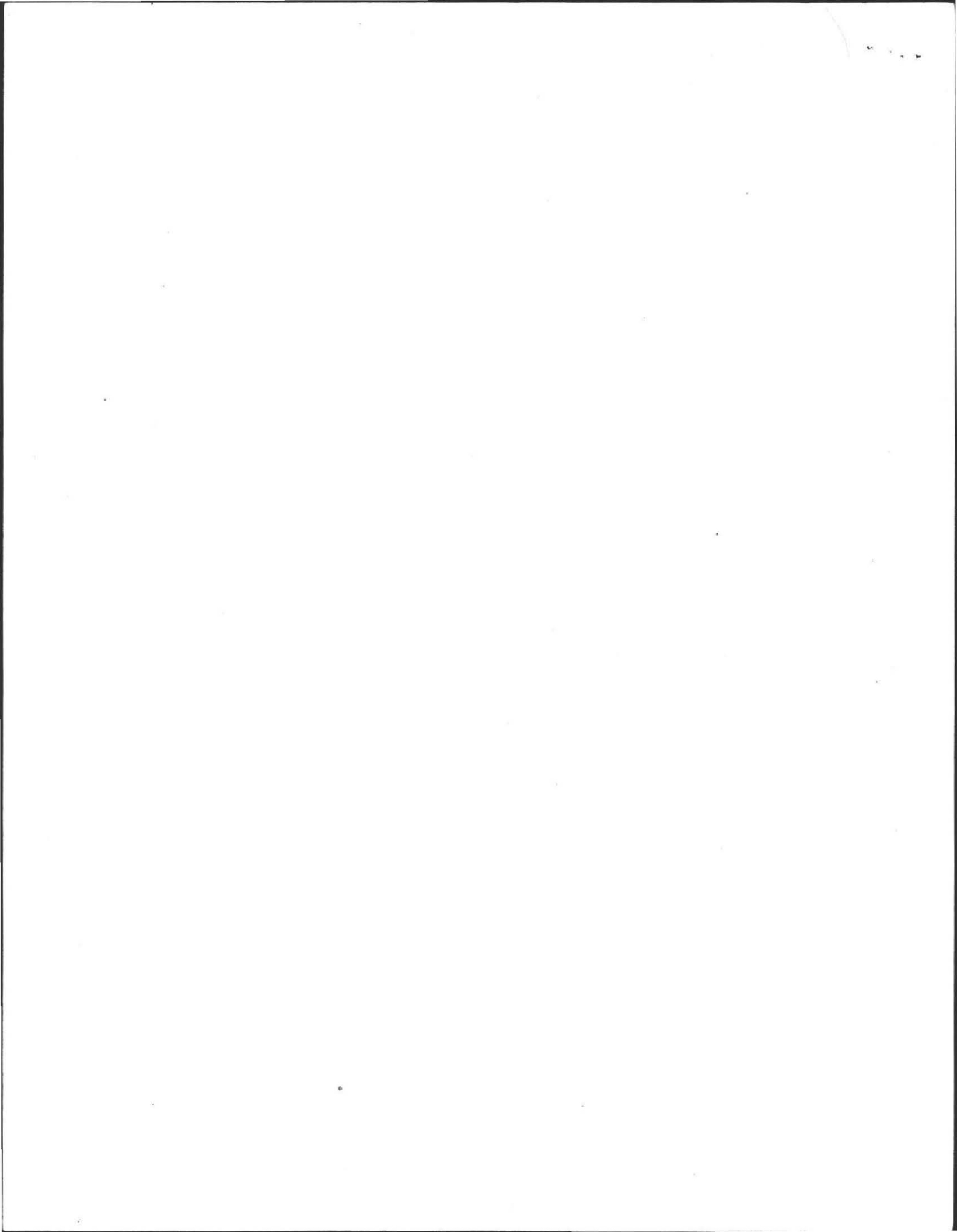
v2.2.0

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Town Hall | 4 Boltwood Avenue | Amherst MA, 01002

Phone: 413-259-3002 | Fax: 413-259-2405 | Email: info@amherstma.gov

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6-5-09
Reviewed
by EB

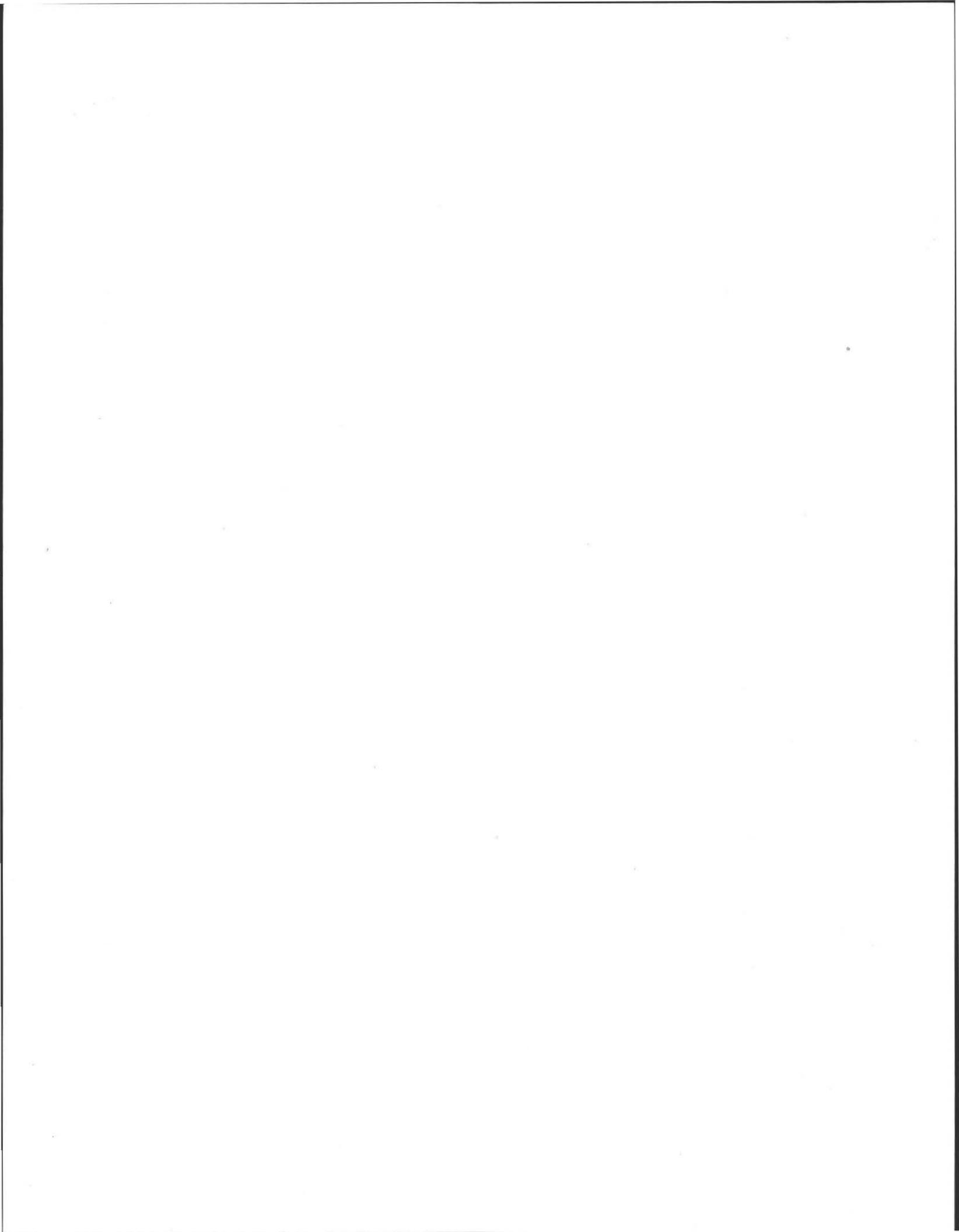
Plan: 49 Overlook Dr Designed by: Alan Weiss

Map 6B Lot

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 15020 (3)
- Legal boundaries noted
- Easements noted
- 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)
- System design calculations
- Garbage grinder Y or 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.; 50' tank
- Well statement if applicable
- 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
- When alternative technology is required, complete plan and specs, including hydraulic profile
- Trenches preferred over beds CMR 15.240 (6)
- Buoyancy calculations for tanks or components partly below H2O table 15.221(8) p. 56
- 3 to 1 slope outside of mound, toe ending 5 feet from property line
- Local upgrade requests on the plan
- Local upgrade forms attached to application
- Note on plan listing all variances sought in conjunction with the plan

NOTES: _____



**Cold Spring
Environmental, Inc.
413-323 5957
(fax 323 4916)**

Memo

To: Ellen Bokina, Amherst Town Sanitarian
From: Alan Weiss, Cold Spring Environmental, Inc.
CC: Kieth Kanetta, Realtor and Sheila Stevens, owner
Date: 04.27. 2009
Re: Lot 49 Overlook Drive

In synchronization with revisions forwarded to the MADEP and Amherst Conservation Commission, Please find the revised septic plan for the abovementioned lot that was approved by you last season but not yet constructed. The plan now uses two trenches not three in order to save fill and maximize proper resource area offsets (it remains a 4 bedroom plan). The proposed well location has also been revised.

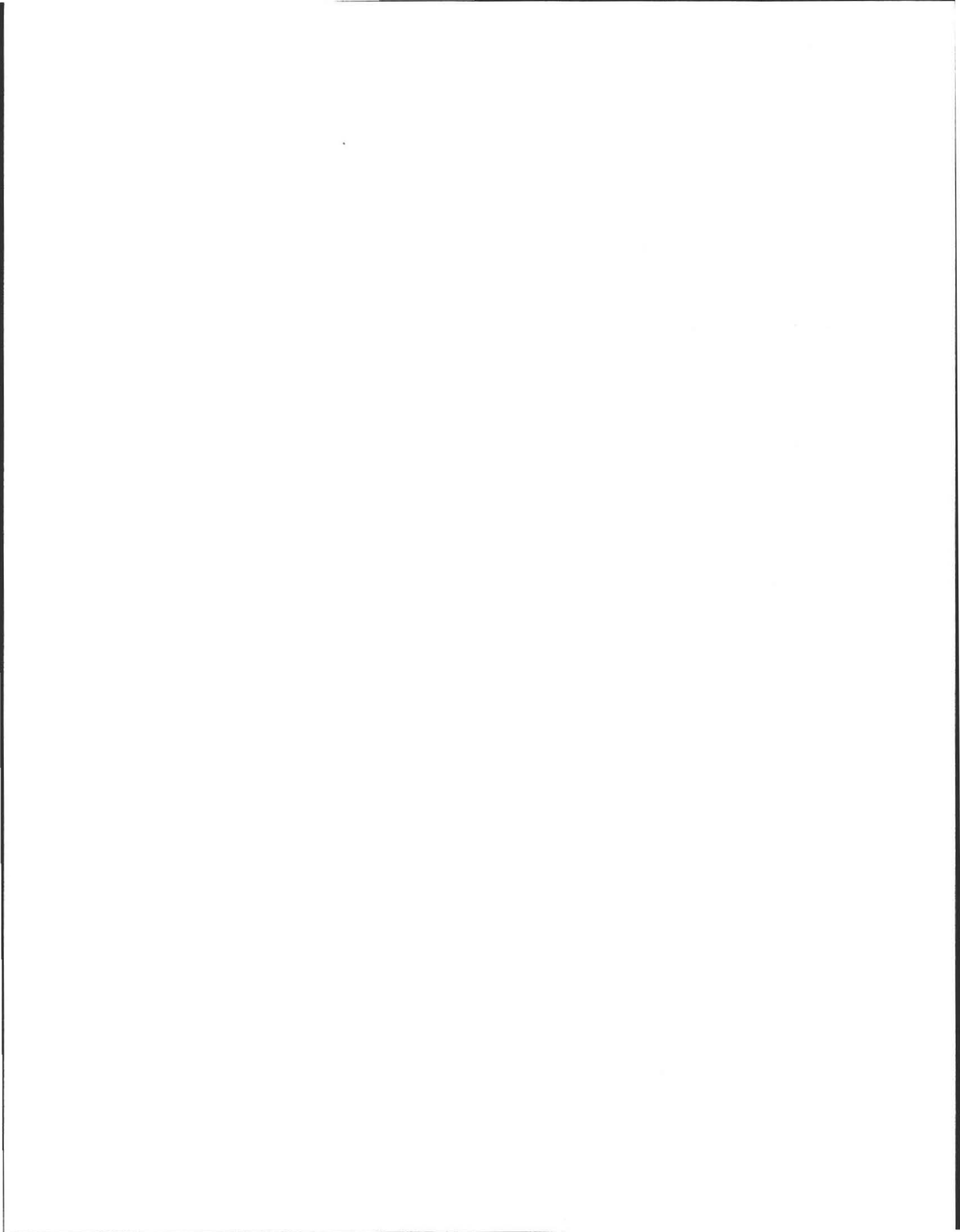
Feel free to contact me should you have any questions.

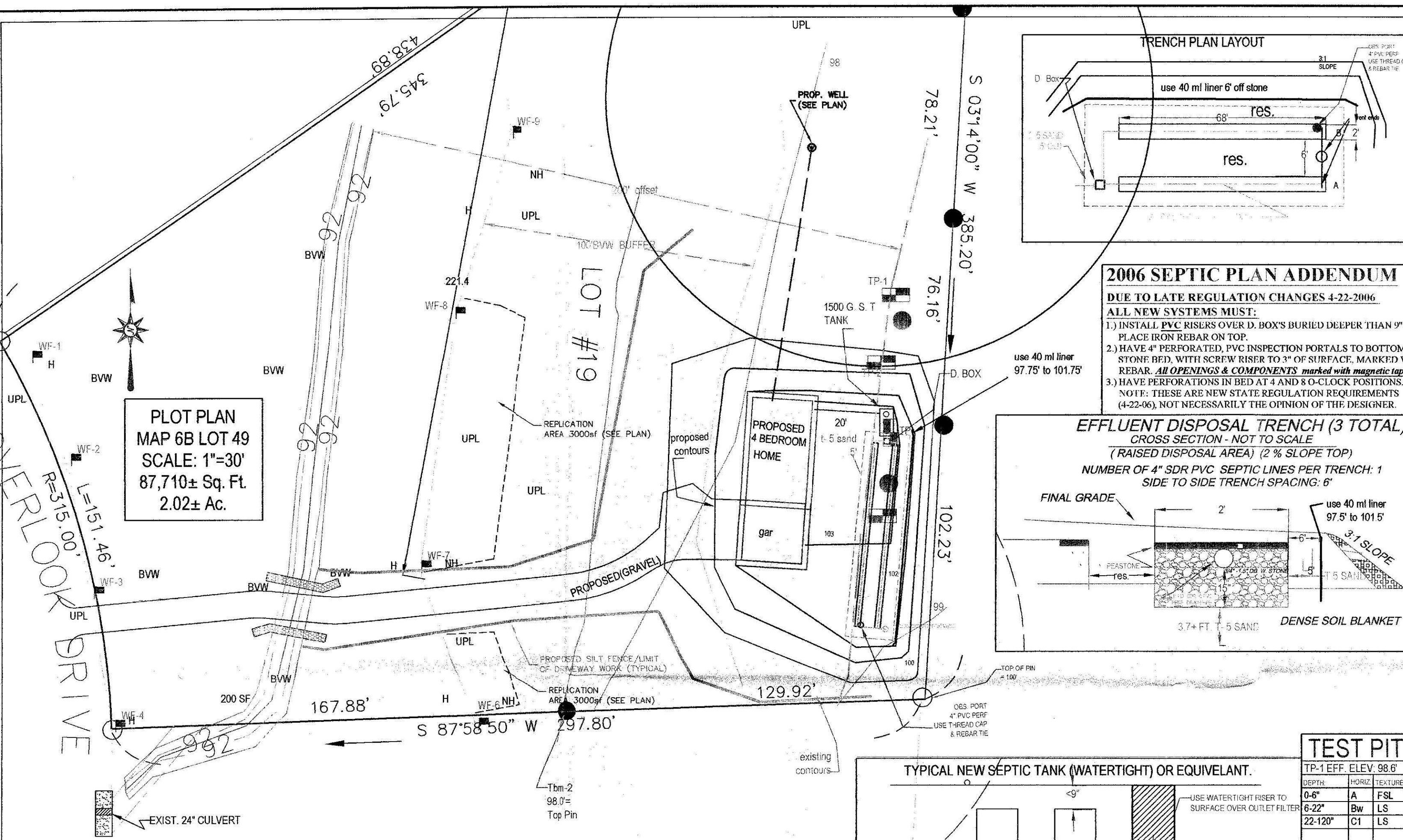
Alan Weiss, R.S.

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

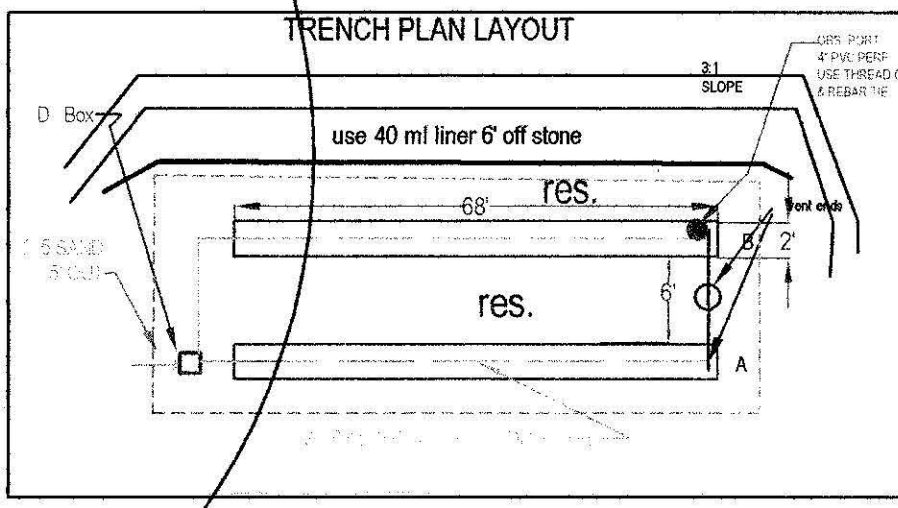
413-323-5957, phone,
Aeweiss@charter.net
413-323-4916, fax

Alan Weiss
Lot 49 Overlook Dr.
Plan 11.06.07
Back to ConCom
2 Trenches rather than 3



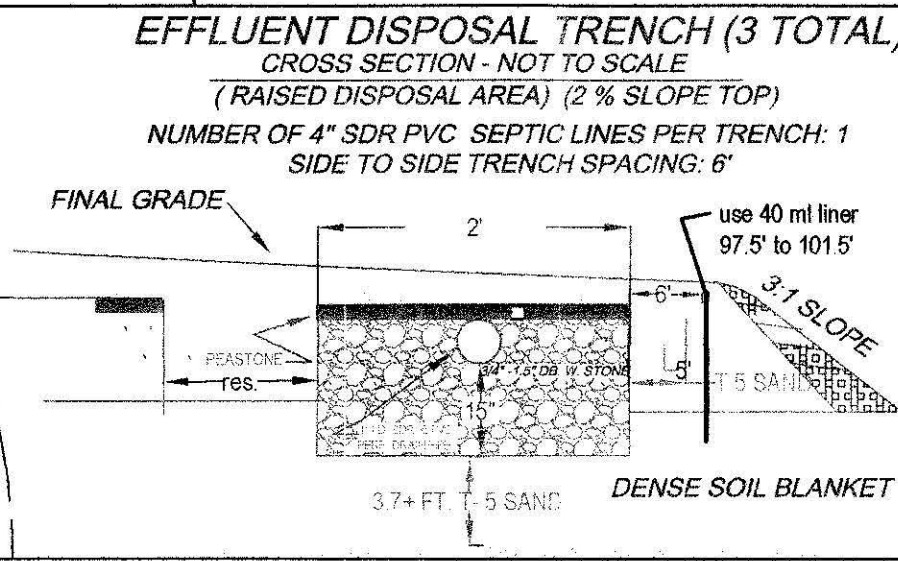


PLOT PLAN
 MAP 6B LOT 49
 SCALE: 1"=30'
 87,710± Sq. Ft.
 2.02± Ac.



2006 SEPTIC PLAN ADDENDUM

DUE TO LATE REGULATION CHANGES 4-22-2006
ALL NEW SYSTEMS MUST:
 1.) INSTALL PVC RISERS OVER D. BOX'S BURIED DEEPER THAN 9" AND PLACE IRON REBAR ON TOP.
 2.) HAVE 4" PERFORATED, PVC INSPECTION PORTALS TO BOTTOM OF STONE BED, WITH SCREW RISER TO 3" OF SURFACE, MARKED WITH REBAR. **ALL OPENINGS & COMPONENTS marked with magnetic tape.**
 3.) HAVE PERFORATIONS IN BED AT 4 AND 8 O-CLOCK POSITIONS.
 NOTE: THESE ARE NEW STATE REGULATION REQUIREMENTS (4-22-06), NOT NECESSARILY THE OPINION OF THE DESIGNER.



DESIGN NOTES AND CALCULATIONS:

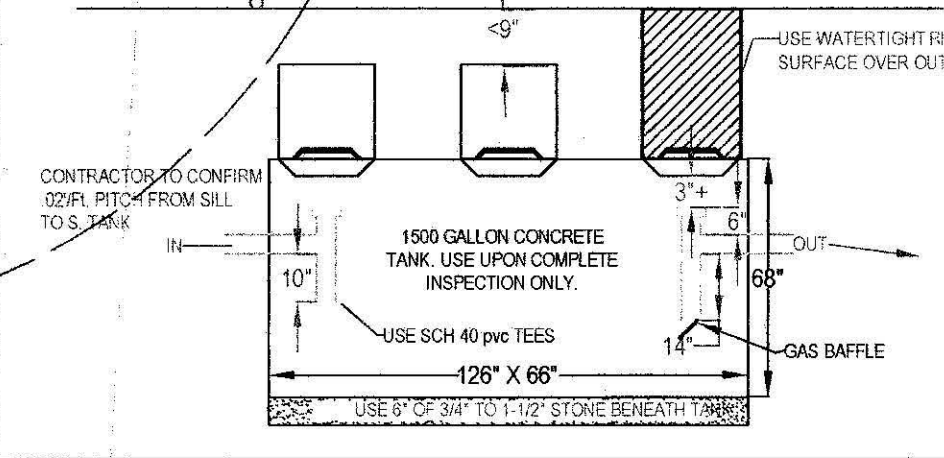
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 - BOTTOM AREA: 2' W X 68" L X 2 TRENCHES = 272 SF.
 - SIDE AREA: 1.25' H X 68" L X 2 SIDES X 2 TRENCHES = 340 SF.
 - END AREA: 2' W X 1.25' H X 2 CAPS X 2 TRENCHES = 10 SF.
 - TOTAL AREA: 622 SF X 0.74 GAL/SF = 460 GPD
- GARBAGE DISPOSAL NOT ALLOWED
- NO PRIVATE WELLS WITHIN 150 FEET OF SAS.
- NO OTHER WETLANDS WITHIN 100 FEET OF SAS
- USE NEW 1,500 GAL S. TANK AS NOTED & MAINTAIN 0.02 PITCH FROM SILL TO S. TANK
 - INSTALL & INSPECT SCH. 40 TEES / BAFFLES (10" INLET, 14" OUTLET).
 NOTE:
 - SEPTIC TANKS AND PUMP CHAMBERS WITH RECEEDING COVERS ARE NOT ALLOWED. BE SURE TO MAINTAIN 3" CLEARANCE FROM TOP OF TEES TO BOTTOM OF TANK COVERS.
- USE LARGE -STYLE D BOX ONLY.
- ALL D. BOX OUTLET PIPES LEVEL FOR FIRST 2'
 NOTE:
 - D. BOXES WITH COVERS AND WALLS LESS THAN 2" THICK ARE NOT ALLOWED PER DESIGN
- USE APPROVED (1 1/2") DBL WASHED STONE UNDER TANK & D. BOX FOR 6"
 -CONFIRM STONE PROPERLY WASHED (WITH BUCKET / H2O TEST) PRIOR TO PLACEMENT.
- USE PROPER SCH. 40 PVC TEES AS SHOWN.
- PRE & POST CONTOURS NOTED AS NECESSARY, RESERVE AREA NOTED between trenches.
- SLOPE CALCS (SEE CONTOURS), SUBGRADE INSP. REQ'D.
- USE TRENCHES DUE TO TOPOGRAPHY AND SPACE OF LOT WITH RESPECT TO LOCATION AND ELEVATION OF RESIDENCE (310 CMR 15.240)
- USE 2% MIN. SLOPE OVER SAS
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 - CLEAR TO BASE OF B (MIN. 28") UNDER BED & SCARIFY PRIOR TO TITLE V SAND PLACEMENT (if needed).
 - EXCAVATE EXISTING SYSTEM AND REMOVE.
- SOIL EVALUATION BY A. WEISS 10/04/07 (T. DION BOH AGENT).
 - DEPTH OF PERC. 40 & 39"
 - PERC RATE = 3 & 3 MIN / IN
 - CLASS I SOIL RATING (L. SAND)
- NO TREES WITHIN 10 FT. OF NEW LEACH FIELD. USE TITLE V FILL 5' OUT.
- ENGINEER TO INSPECT SUBGRADE, AND FINAL
- BM=100.00 @ PIN AS NOTED, CONFIRM PROPER PIPE SLOPES
 - USE/INSPECT SCH. 40 PIPE FOR PIPE FROM HOUSE TO NEW OR EXISTING TANK
- GRADE MULCH AND SEED OVER LEACHFIELD AS NOTED
- INSTALLATION IN LOW GROUNDWATER SEASON RECOMMENDED.

GRAVITY SLOPE SEPTIC SYSTEM OPERATION AND MAINTENANCE NOTES FOR HOMEOWNER.

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

NOTE TO HOMEOWNER: MOUNDS, WHERE USED, ARE REQUIRED BY STATE CODE TO MAXIMIZE THE DISTANCE FROM THE BOTTOM OF THE LEACHING FIELD TO THE TOP OF THE ESTIMATED HIGH GROUNDWATER. THIS "SEPARATION" FROM HIGH GROUNDWATER (3,4 OR 5 FEET), IS NOT THE SAME AS THE HEIGHT OF THE FINISHED MOUND SURFACE. THE ACTUAL FINISHED MOUND IS TYPICALLY HIGHER THAN THE "SEPARATION". BY SIGNING PERMIT YOU ACKNOWLEDGE THAT COLD SPRING ENVIRONMENTAL CONSULTANTS INC. IS NOT RESPONSIBLE FOR THE AESTHETICS OF FILLED OR MOUNDED SYSTEMS.

TYPICAL NEW SEPTIC TANK (WATERTIGHT) OR EQUIVELANT.



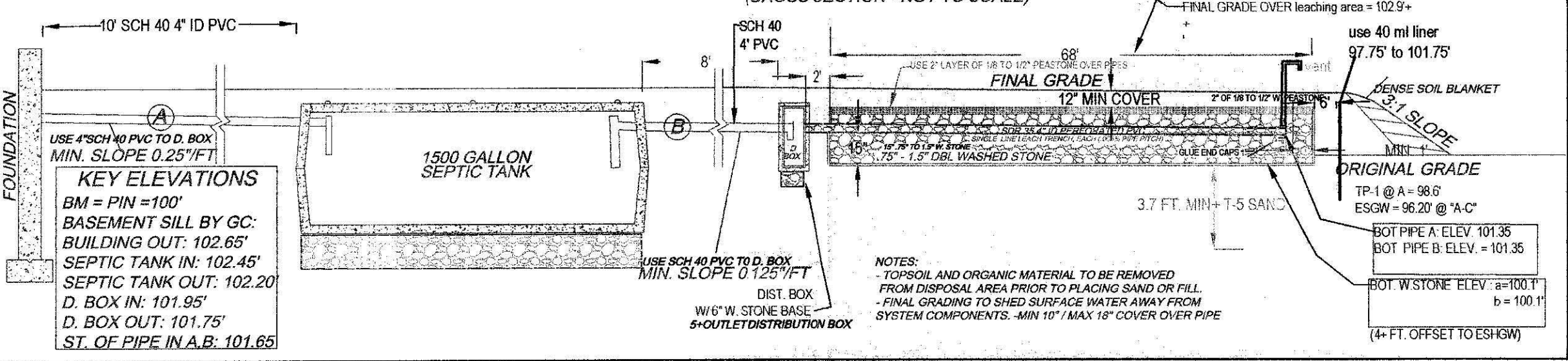
TEST PIT LOG:

TP-1 EFF. ELEV. 98.6'				SOIL EVALUATOR: A. WEISS 10.04.2007					
DEPTH	HORIZ.	TEXTURE	COLOR (MUNSELL)	MATERIAL	DEPTH	HORIZ.	TEXTURE	COLOR (MUNSELL)	
0-6"	A	FSL	(10 YR 3.2)	FRIABLE	0-7"	A	FSL	(10 YR 3.2)	FRIABLE
6-22"	Bw	LS	(10 YR 4/6)	FRIABLE LOOSE	7-25"	Bw	LS	(10 YR 4/6)	FRIABLE LOOSE
22-120"	C1	LS	2.5 Y 4.2	F-C SANDY G. TILL	25-126"	C1	LS	2.5 Y 4.2	F-C SANDY G. TILL
			(10 YR 6/8)	15% BOULDERS, MOD. MASSIVE				(10 YR 6/8)	15% BOULDERS, MOD. MASSIVE
			(2.5 Y 4/1)	OBSERVED @ 30"				(2.5 Y 4/1)	OBSERVED @ 32"
OXIDES:					OXIDES:				
EHWT:				30" = 96.1'	EHWT:				30" = 96.2'
STANDING H2O:				NOT	STANDING H2O:				NOT OBSERVED
WEEPING:				NOT	WEEPING:				NOT OBSERVED
BEDROCK:				120" +	BEDROCK:				126" +

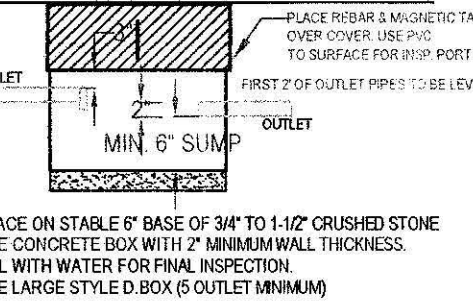
TEST PIT LOG:

TP-3 EFF. ELEV. 98.7'				SOIL EVALUATOR: A. WEISS 10.04.2007					
DEPTH	HORIZ.	TEXTURE	COLOR (MUNSELL)	MATERIAL	DEPTH	HORIZ.	TEXTURE	COLOR (MUNSELL)	
0-8"	A	FSL	(10 YR 3.2)	FRIABLE	0-8"	A	FSL	(10 YR 3.2)	FRIABLE
8-26"	Bw	LS	(10 YR 4/6)	FRIABLE LOOSE	8-28"	Bw	LS	(10 YR 4/6)	FRIABLE LOOSE
26-110"	C1	LS	2.5 Y 4.2	F-C SANDY G. TILL	28-120"	C1	LS	2.5 Y 4.2	F-C SANDY G. TILL
			(10 YR 6/8)	15% BOULDERS, MOD. MASSIVE				(10 YR 6/8)	15% BOULDERS, MOD. MASSIVE
			(2.5 Y 4/1)	OBSERVED @ 30"				(2.5 Y 4/1)	OBSERVED @ 30"
OXIDES:					OXIDES:				
EHWT:				30" = 96.2'	EHWT:				30" = 96.2'
STANDING H2O:				NOT	STANDING H2O:				NOT OBSERVED
WEEPING:				NOT	WEEPING:				NOT OBSERVED
BEDROCK:				110" +	BEDROCK:				120" +

leach trench EFFLUENT DISPOSAL SYSTEM



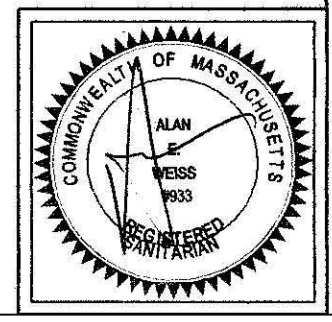
TYPICAL D. BOX (WATERTIGHT)



SEPTIC SYSTEM DESIGN PLAN AND NOTICE OF INTENT FOR SHIELA STEVENS
 I MAP 6B LOT 49 OVERLOOK DRIVE
 AMHERST, MA

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

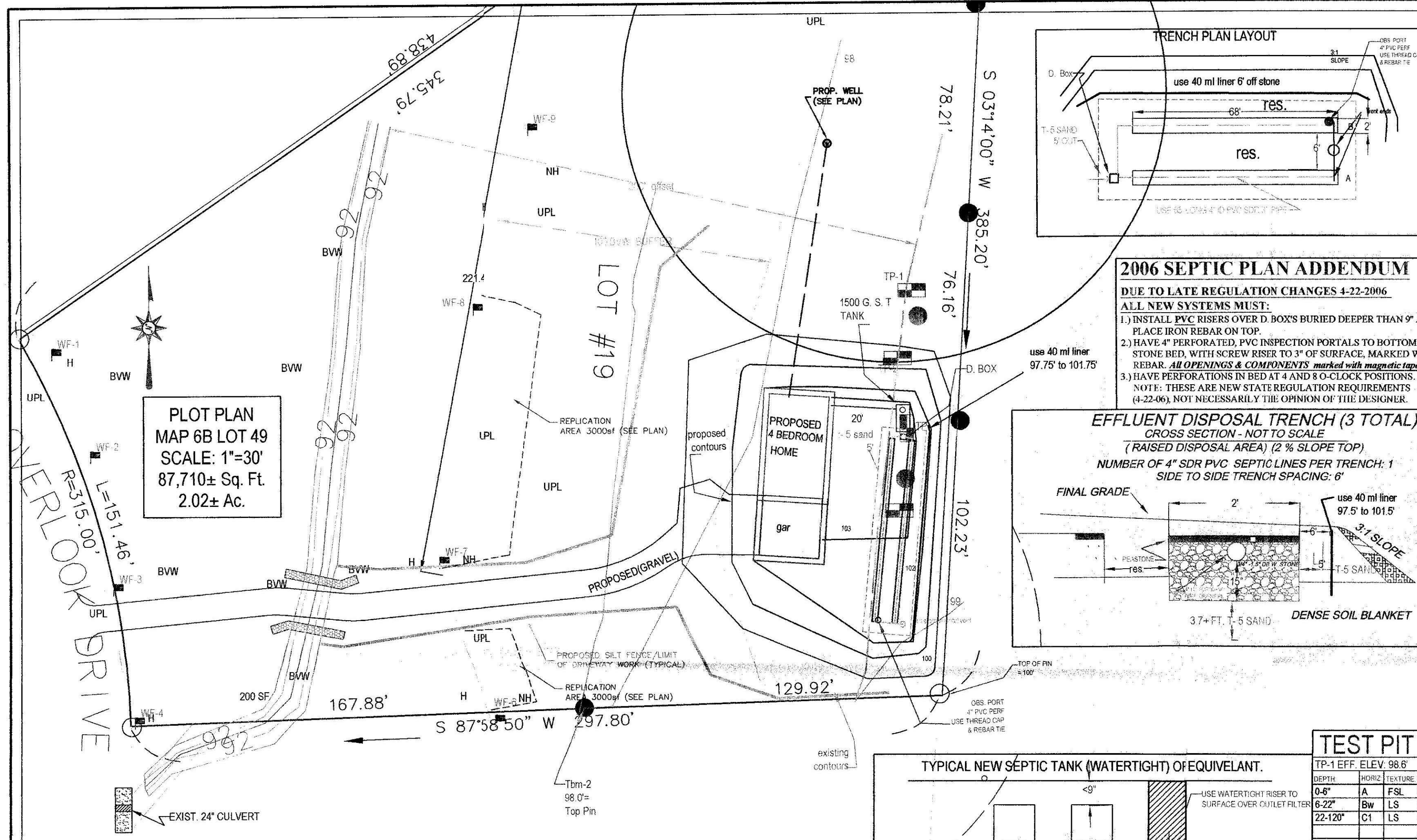
PHO: (413) 323-5957
 FAX: (413) 323-4916
 DATE: 11.06.2007
 SCALE: 1"=30'
 DRAWN BY: ALAN WEISS
 REVISED: 04.18.2009
 DRAWING NUMBER: 107-2868-0917



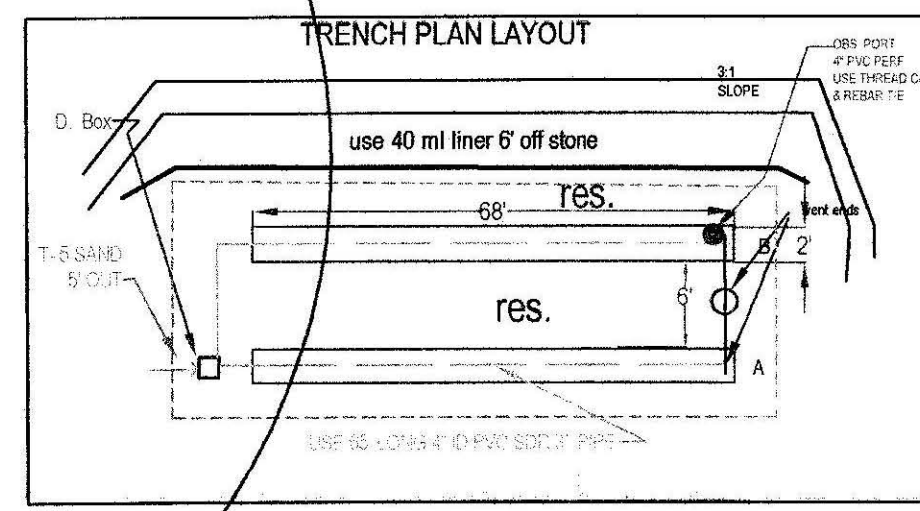
ATTENTION INSTALLER!!
 CALL DIG SAFE BEFORE YOU DIG!! MASSACHUSETTS STATE LAW CHAPTER 82 SECTIONS 40 - 40E REQUIRE THAT PREMARKING OF GAS, ELECTRIC, WATER, TELEPHONE AND CABLE T.V. UTILITY LINES BE MADE A MINIMUM OF 72 HOURS PRIOR TO GROUND BREAK FOR ANY EXCAVATION.

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.

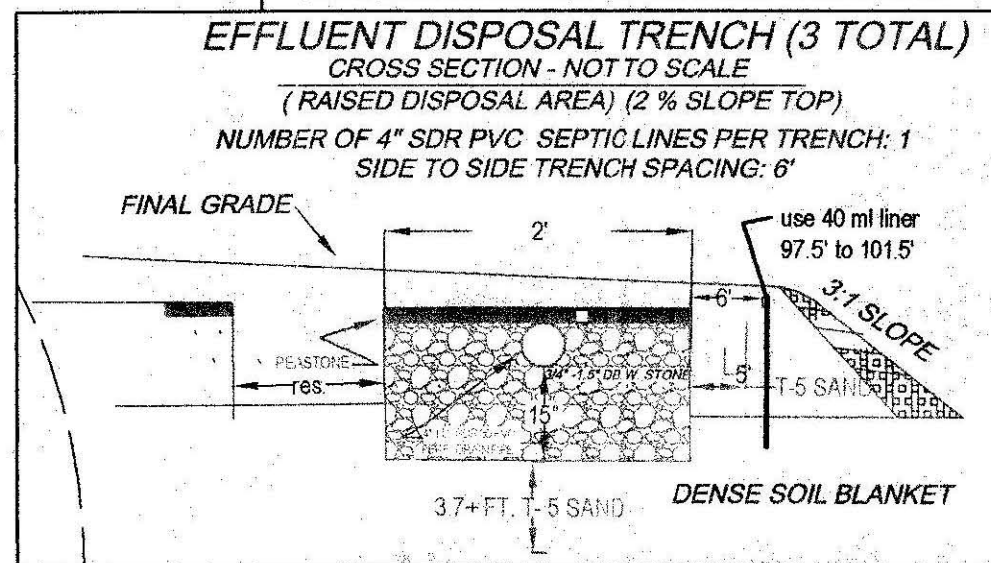
Handwritten signature and date: 6-5-09



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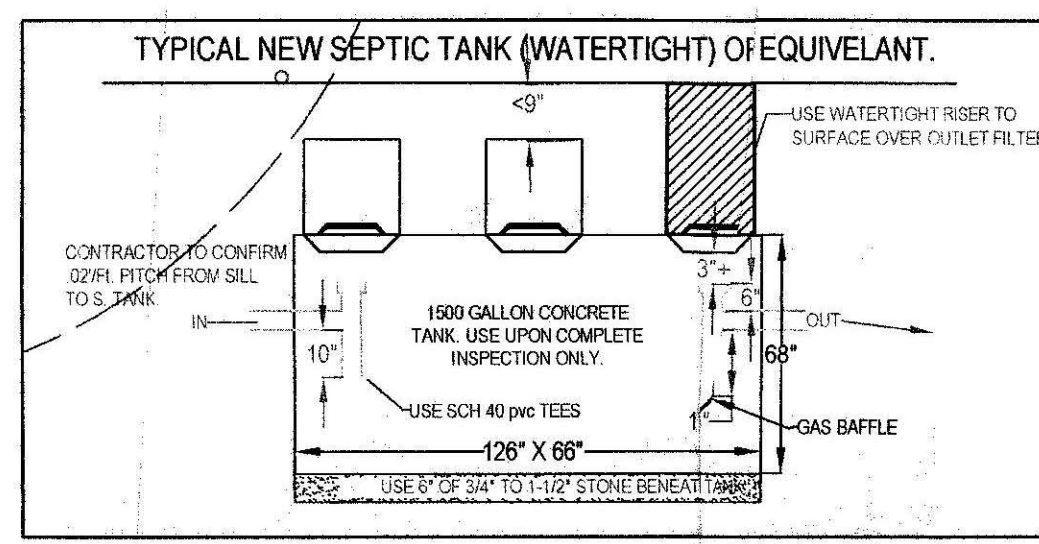
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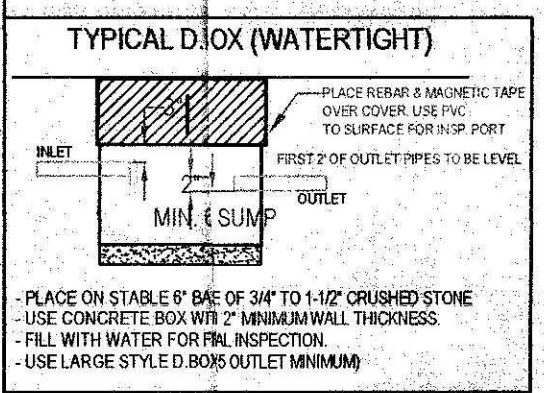
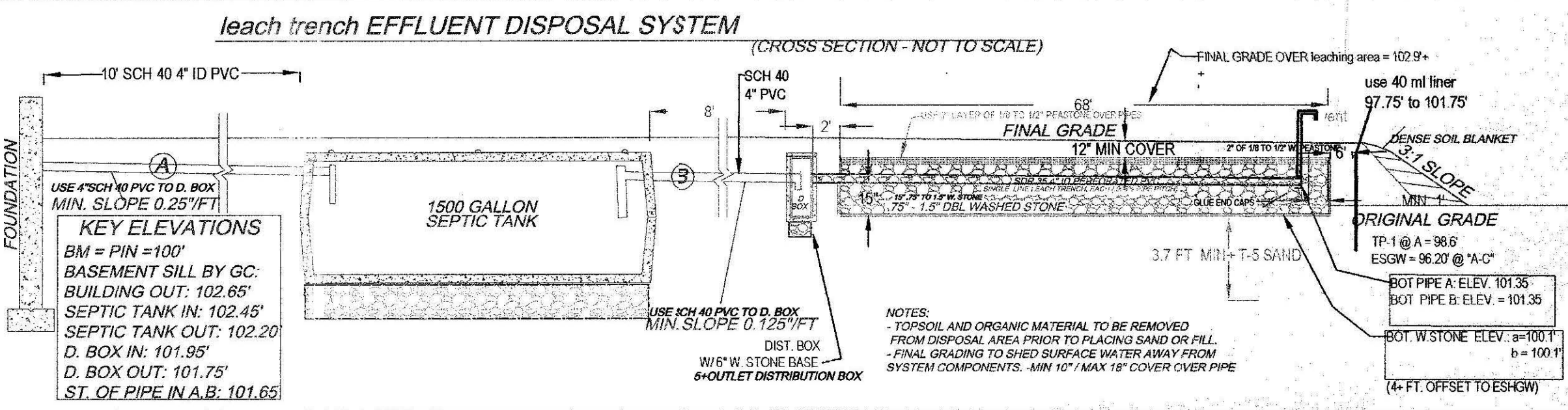
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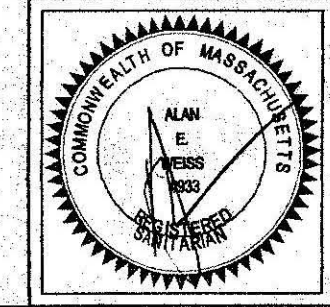
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TEST PIT LOG:				TEST PIT LOG:			
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6-22"	Bw	LS	(10 YR 4/6) FRIABLE LOOSE	7-25"	Bw	LS	(10 YR 4/6) FRIABLE LOOSE
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			(10 YR 6/8) OBSERVED @ 30"				(10 YR 6/8) OBSERVED @ 32"
OXIDES:				OXIDES:			
EHWI:			30" = 96.1'	EHWI:			30" = 96.2'
STANDING H2O:			NOT	STANDING H2O:			NOT OBSERVED
WEEPING:			NOT	WEEPING:			NOT OBSERVED
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