

58 MARKSPUR DE



**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

June 15, 2009

received
7-31-09

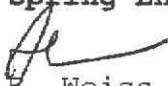
Amherst Bd. Of Health

**RE: Septic System Repair
Installation Inspection
58 Larkspur Dr, (Lambdin)**

On this date, the writer inspected the installation of a new **(Septic System: L. field Only)**. 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 **(Karls Excav.)** 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 tank according to our plans and may backfill the system after review by local Health Department representatives.

Sincerely,

Cold Spring Environmental Consultants, Inc.


Alan P. 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

**As built Attached,*

Town of



AMHERST

Massachusetts

AMHERST HEALTH DEPARTMENT, 70 BOLTWOOD WALK, AMHERST, MA 01002

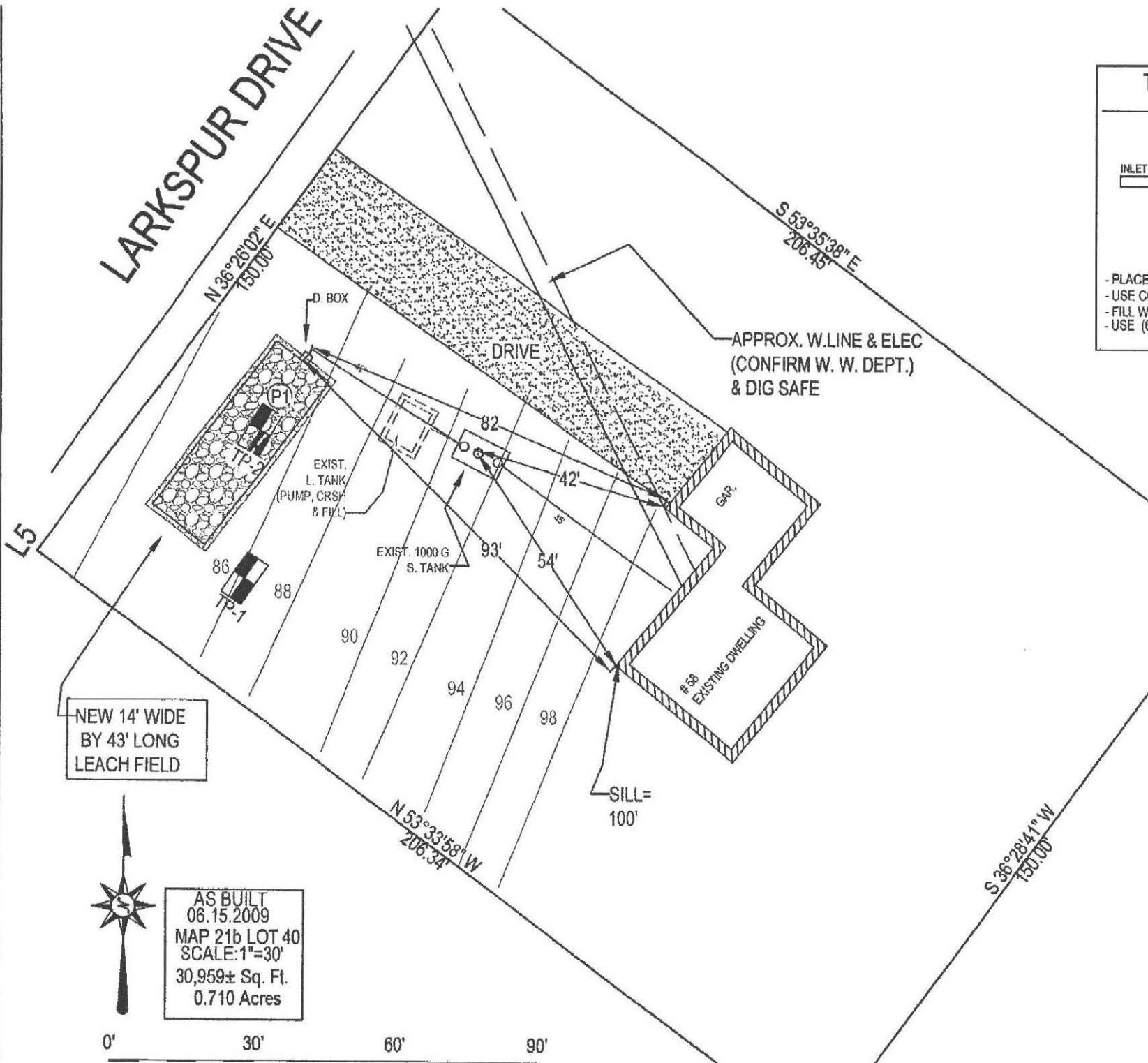
(413) 256-4077
FAX (413) 256-4053
www.amherstma.gov

Environmental Health Services
(413) 256-4033



MAKE SMOKING HISTORY

LARKSPUR DRIVE



T

INLET

- PLACE
- USE CC
- FILL W/
- USE (6

NEW 14' WIDE
BY 43' LONG
LEACH FIELD



AS BUILT
06.15.2009
MAP 21b LOT 40
SCALE: 1"=30'
30,959± Sq. Ft.
0.710 Acres

0' 30' 60' 90'

Town of



AMHERST

Massachusetts

AMHERST HEALTH DEPARTMENT, 70 BOLTWOOD WALK, AMHERST, MA 01002

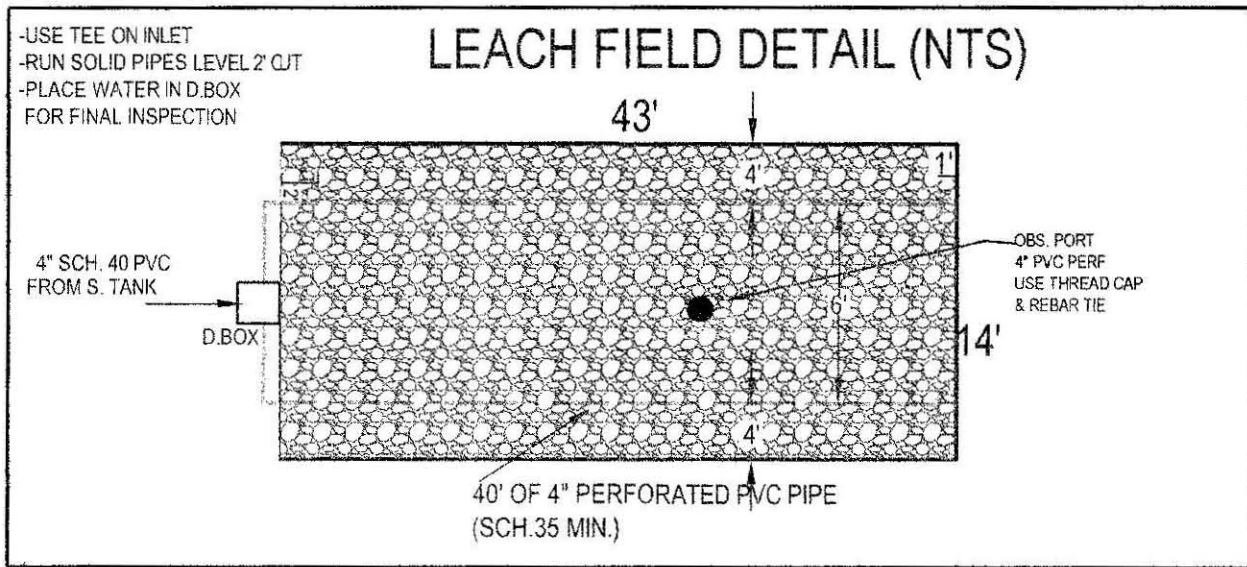
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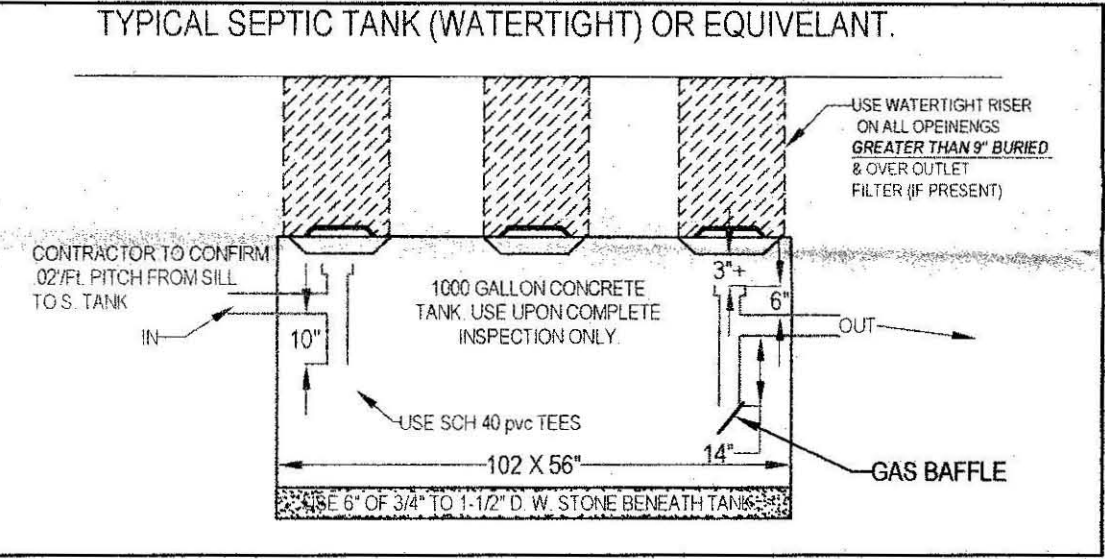
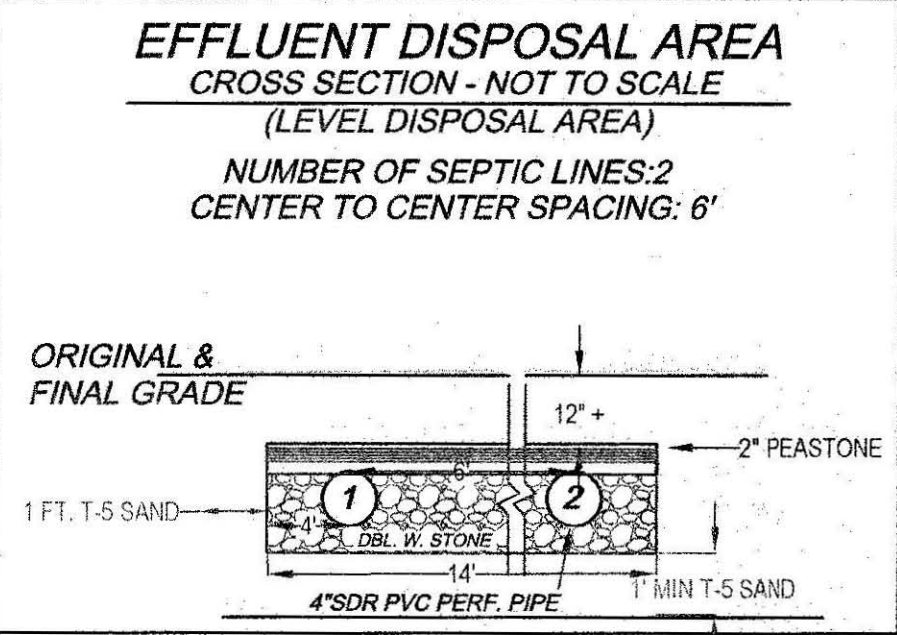
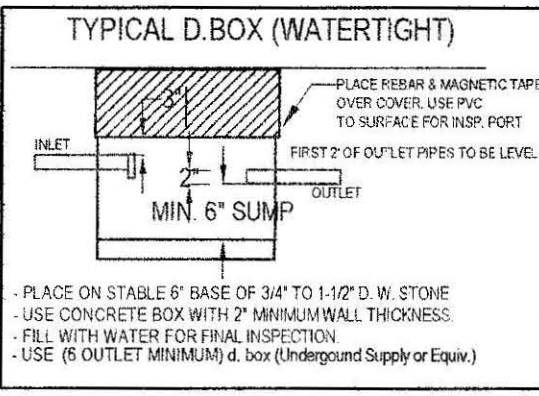
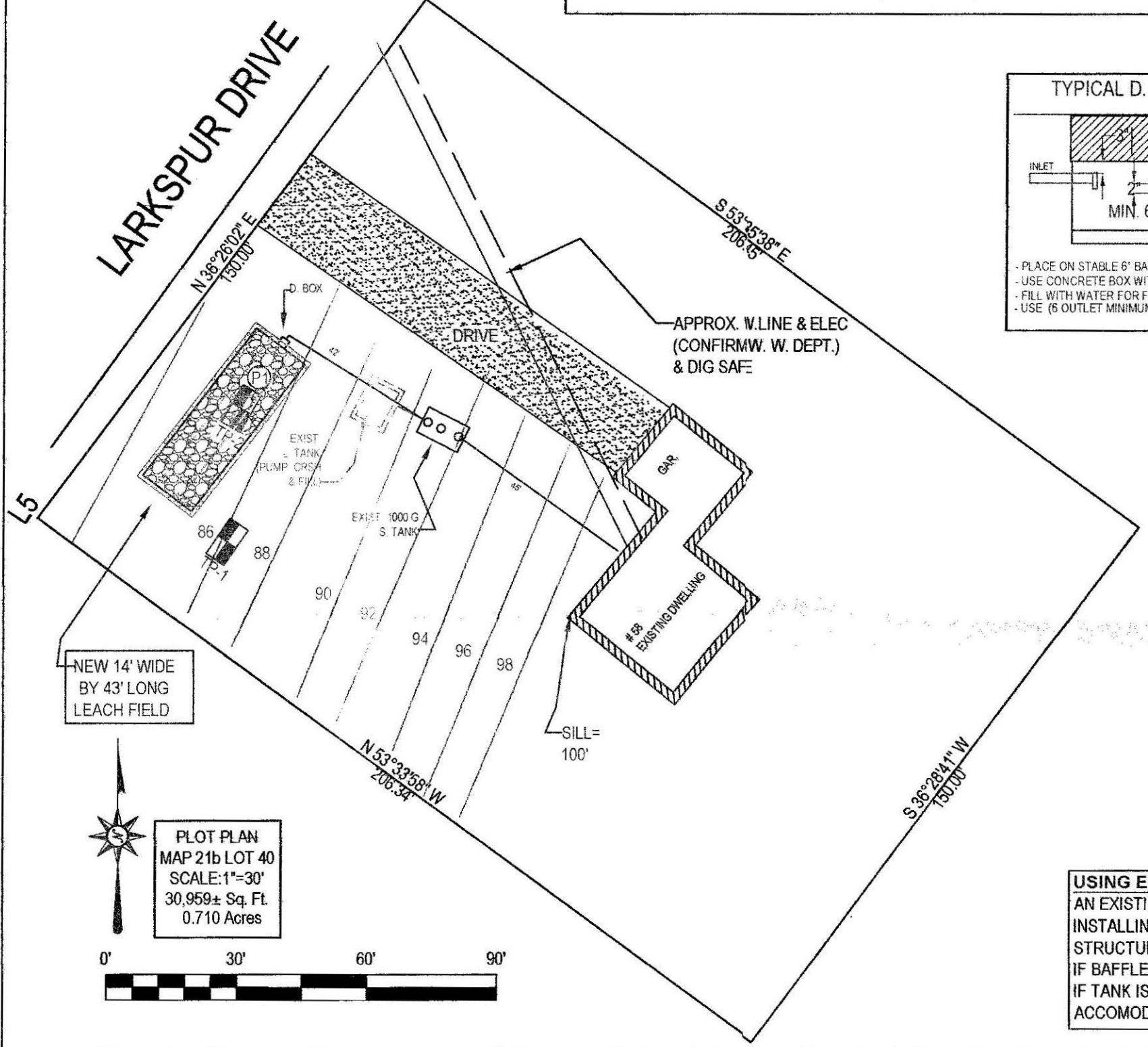
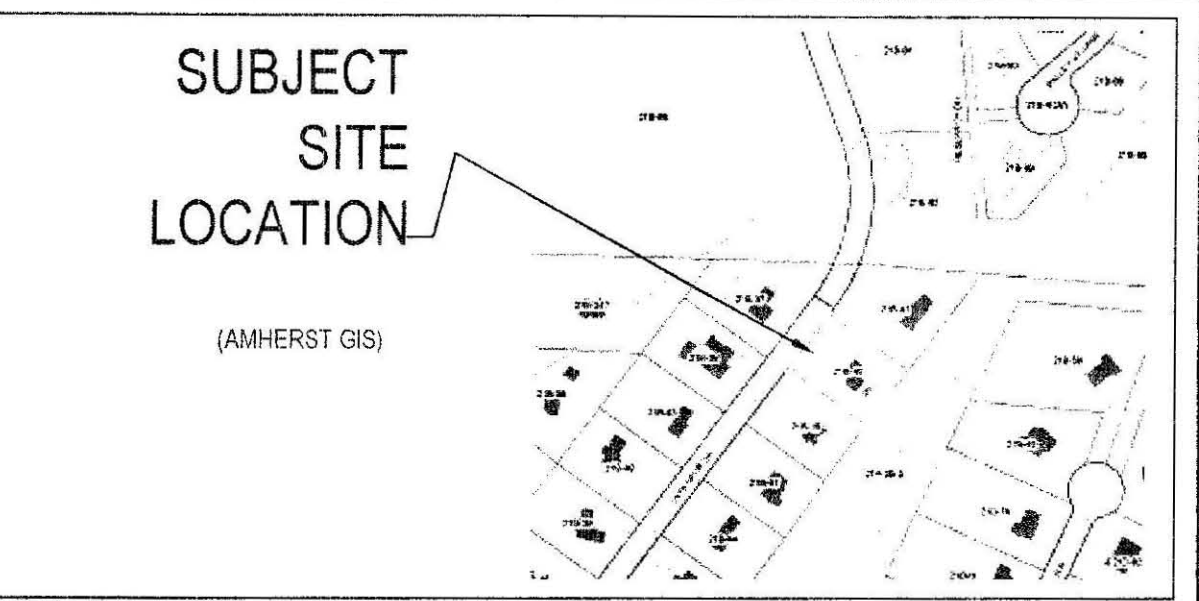
MAKE SMOKING HISTORY

NOT AN ACTUAL SURVEY!!
 LINES DRAWN FOR SEPTIC
 LOCATION PURPOSES ONLY!
 (Ref. Heritage Surveys 05.06.1985)



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.



USING EXISTING SEPTIC TANKS:
 AN EXISTING 1,000 or 1,500 GALLON SEPTIC TANK CAN BE USED IF UPON INSPECTION BY THE INSTALLING CONTRACTOR, IF THE TANK IS INSPECTED AND PUMPED AND FOUND TO BE STRUCTURALLY SOUND AT THE TIME OF THE SUBGRADE INSPECTION. IF BAFFLES ARE NOT BUILT IN, THAN SCH 40 PVC TEES MUST BE ADDED. IF TANK IS NOT SOUND THAN, NOTIFY ENGINEER IMMEDIATELY IN ORDER TO ACCOMMODATE A NEW 1,500 GALLON (MIN.) SEPTIC TANK.

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 .74 GAL/SF = 445 GPD

3. GARBAGE DISPOSAL NOT ALLOWED, ...

4. NO OTHER PRIVATE WELLS WITHIN 150 FEET OF SAS.

5. NO OTHER WETLANDS WITHIN 150 FEET OF SAS

6. USE EXIST 1,000 GALL. S. TANK AS NOTED (IF SOUND) & 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 APPROVED (7/5"-1 1/2") DBL. WASHED STONE UNDER TANK & D. BOX FOR 6".

- CONFIRM STONE: PROPERLY DOUBLE WASHED PRIOR TO PLACEMENT.

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 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 (310 CMR 15.240)

14. USE 2% MIN. SLOPE OVER SAS

- CLEAR TOP AND SUB TO 24" MIN. AS NEEDED (INSPECTION REQUIRED).
- CLEAR PAST BASE OF B (MIN. 24") & SCARIFY UNDER BED PRIOR TO TITL V SAND PLACEMENT.
- EXCAVATE EXISTING LOAM, SUB AND ANY EXISTING DEBRIS, DIRTY FILL OR PRIOR SYSTEM IF PRESENT.

15. SOIL EVALUATION BY A. WEISS, RS. (E. BOKINA, BOH AGENT).

- DEPTH OF PERC.: 48"
- PERC RATE = <2 MIN / IN,
- CLASS 1 SOIL RATING

16. NO TREES WITHIN 10 FT. OF NEW LEACH FIELD.

17. ENGINEER & TOWIN TO INSPECT SUBGRADE, TOWN AND ENGINEER INSPECT AT FINAL

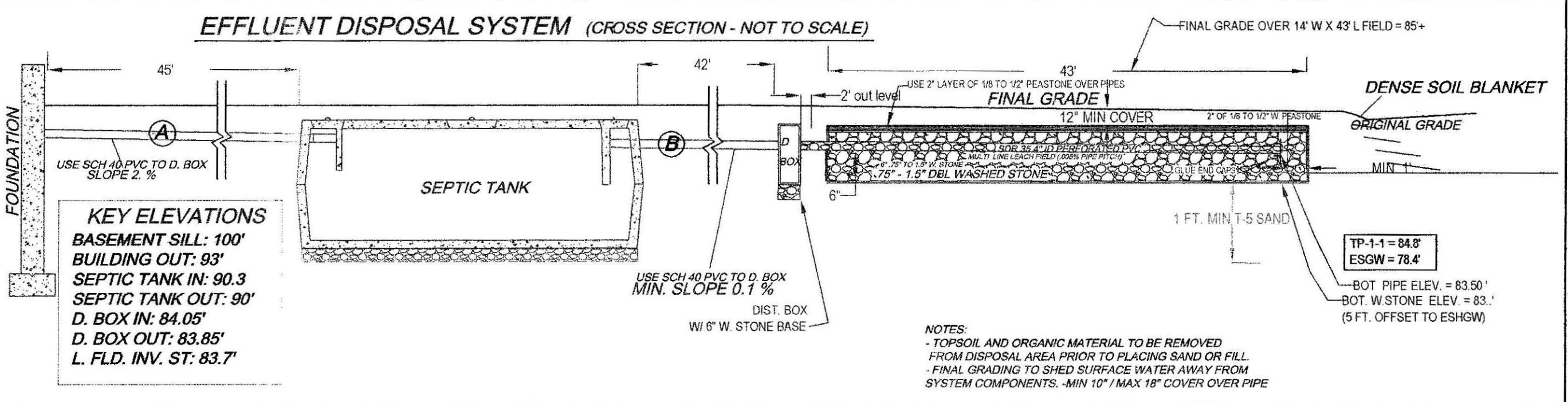
18. BM=100.00 @ (SILL, as noted), CONFIRM PROPER PIPE SLOPES

- USE/INSPECT SCH. 40 PIPE FOR PIPE FROM HOUSE TO NEW OR EXISTING TANK

19. GRADE MULCH AND SEED OVER SAS AS NOTED.

20. INSTALLATION IN LOW GROUNDWATER SEASON RECOMMENDED.

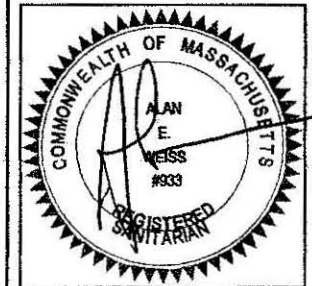
21. USE OBSERVATION PORT NEAR CENTER OF STONE BED HAVE 4" PERFORATED, PVC INSPECTION PORTALS TO BOTTOM OF STONE BED, WITH RISER TO 3" OF SURFACE & THREADED CAP & MARK WITH RE-BAR.



TEST PIT LOG:				SOIL EVALUATOR: A. WEISS, RS		DATE OF EVALUATION: 04.16.09	
TP-2 EFF. ELEV: 84.8'				TP-2 EFF. ELEV:			
DEPTH:	HORIZ:	TEXTURE:	COLOR (MUNSELL)	DEPTH:	HORIZ:	TEXTURE:	COLOR (MUNSELL)
0-8"	A	FSL	10 YR 3.3	0-7"	A	FSL	10 YR 3.3
8-24"	Bw	SL	10YR 5.6	7-24"	Bw	SL	10YR 5.6
24-78"	C1	S+G	10 YR 4.3	24-108"	C1	S+G	10 YR 4.3
78-106"	C2	F SAND	2.5Y 4.2	108-120"	C2	F SAND	2.5Y 4.2
OXIDES: 76"				OXIDES: 86"			
EHWT: 78.4'				EHWT: 86"			
STANDING H2O: 98"				STANDING H2O: 98"			
WEEPING: 90"				WEEPING: 90"			
BEDROCK: 106"+				BEDROCK: 120"			

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.



SEPTIC SYSTEM REPAIR PLAN FOR JOHN AND SARAH LAMBIN
 58 LARKSPUR DRIVE
 AMHSSERT, MA

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

P/O NO.: (413) 323-5957
 FAX: (413) 323-4916
 e-Mail: ACWCS@charter.net

DATE: 04.27.09
 DRAWN BY: ALAN WEISS
 REVISIONS:

SCALE: 1"=30'
 DRAWING NUMBER: 109.3137.0423

Handwritten signature and date: 5-7-09