

432 Flat Hills Rd.  
Sharick



November 19, 2004

**AMherst Board of Health**

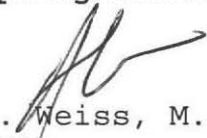
RE:Septic System Installation Inspection  
Lot 2 Flat Hills road (Sharick Res)

On this date, the writer made an inspection of the installation of a Soil Absorption System (septic system). The writer found the installation to be complete and in compliance with our plans and 310 CMR 15.000. The installer representative (**L & F Const**). My inspection noted that the system was built properly, in accordance with the state regulations and our plans.

The contractor was requested and provided sufficient breakout soil on site to 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.**

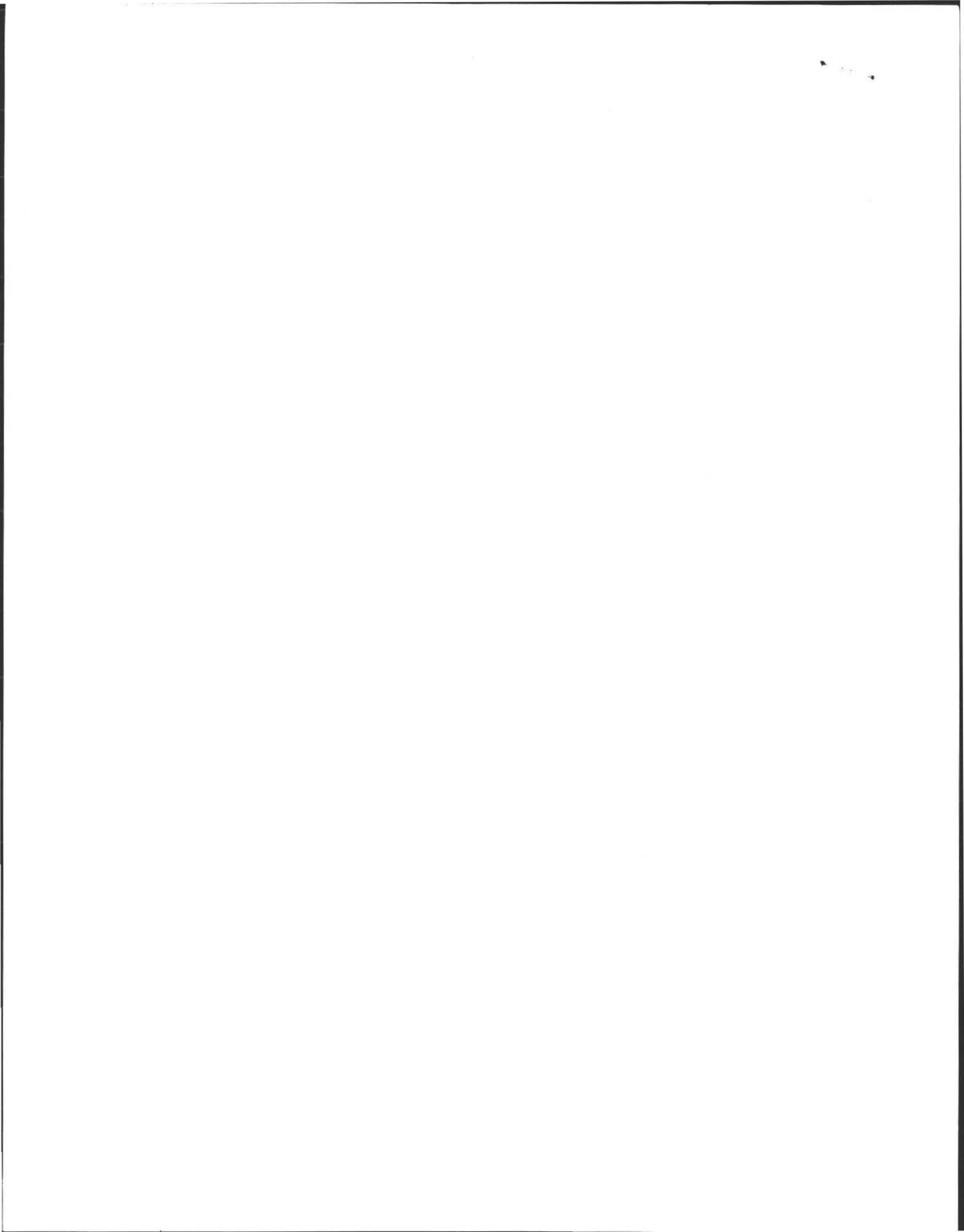
  
Alan E. Weiss, M.S., L.S.P.  
President  
Principal Hydrogeologist  
Licensed Site Professional #6442  
Registered Sanitarian #933

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

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

As built Attached

Need add.  
Call Lorraine  
back w/ more  
info





# AMHERST

# Massachusetts

AMHERST HEALTH DEPARTMENT, 70 BOLTWOOD WALK, AMHERST, MA 01002  
(413) 256-4077

(413) 256-4033 ENVIRONMENTAL HEALTH SERVICES  
(413) 256-4053 (FAX)

## SUB-GRADE INSPECTION

Location: MAP 6B. LOT 2. FLAT HILLS RD.

Property Owner: Ray Sharick

I certify that I have inspected the excavation to sub-grade of the proposed septic system leaching area prior placement of any fill of stone, or construction of any portion of the system.

I further certify that:

1. All 'A' and 'B' horizon soils (topsoils and subsoils) were removed in the area of the system.
2. There was no evidence of ground water in the excavation.
3. There was no evidence of "mottles" that would be in conflict with the findings of the deep hole soil profile.
4. That the excavation was accomplished to the proper depth and in conformance with the approved plans.

ALAN WEISS  
Designers Name

[Signature]  
Designers Signature

\_\_\_\_\_  
Street Address

\_\_\_\_\_  
Town, State, Zip Code

713-323-5957  
Telephone Number

**COLD SPRING  
ENVIRONMENTAL, INC.  
350 OLD ENFIELD RD.  
SHELCHERTOWN, MA 01007**



IT'S TIME WE MADE SMOKING HISTORY

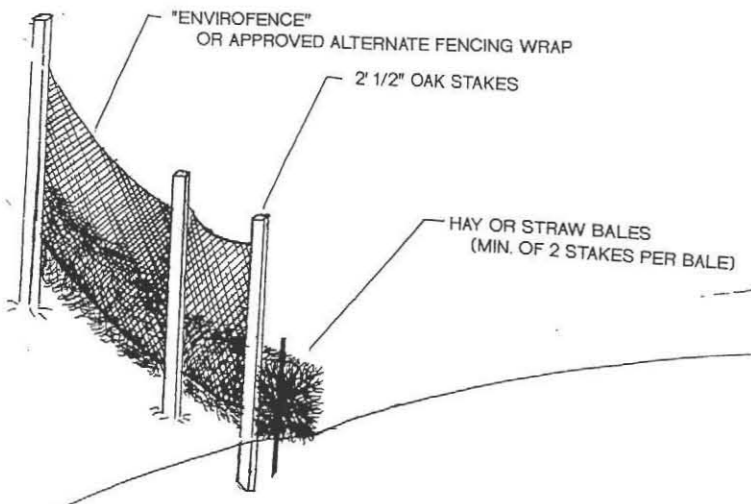


**(1"=30')**  
**PLOT PLAN**

MAP 6B  
LOT 2  
(3.53 AC +/-)

- \* NOTE! ROCK MAY REQUIRE BLASTING FOR STANK + RESIDENCE FOUNDATION
- X.....X SILT FENCE
- X---X WETLAND BOUNDARY
- BUFFER ZONE BOUNDARY

**SILT FENCE DETAIL**  
(USE STAPLES TO SECURE THE FENCE TO THE STAKES)



**WETLAND DELINEATION AND SEDIMENT CONTROL NOTES:**

1. NO ALTERATION OF SEDIMENT, FILLING OR CUTTING VEGETATION ON THE DOWNGRADIENT SIDE OF THE SEDIMENTATION BARRIER (SILT FENCE).
2. SEDIMENTATION BARRIER TO BE ERRECTED IN A STABLE AND LASTING MANOR AS SHOWN ON THE PLAN.
3. NOTIFY CONSERVATION ADMINISTRATOR AT LEAST 72 HOURS PRIOR TO START OF ON-SITE WORK, AFTER COMPLETE ON SILT FENCE INSTALLATION.
4. AS SOON AS IS POSSIBLE WORK AREA SHALL BE SEEDED, REVEGETATED WITH GRASS OR SIMILAR GROUNDCOVER AND MULCHED UPON COMPLETION OF SITE WORK.
5. SILT FENCE TO REMAIN STANDING UNTIL REGROWTH IS SUFFICIENT TO CONTROL FUGITIVE SEDIMENT RUNOFF.

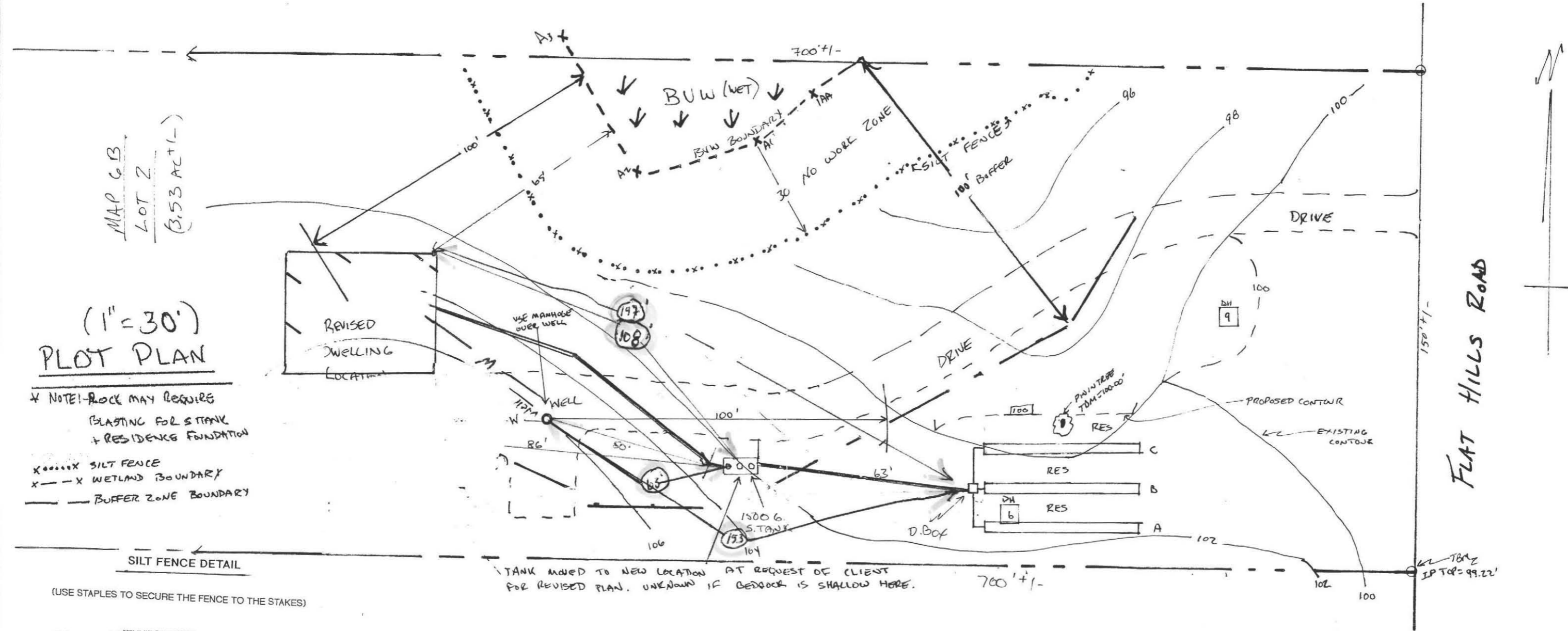
TANK MOVED TO NEW LOCATION AT REQUEST OF CLIENT FOR REVISED PLAN. UNKNOWN IF BEDROCK IS SHALLOW HERE.

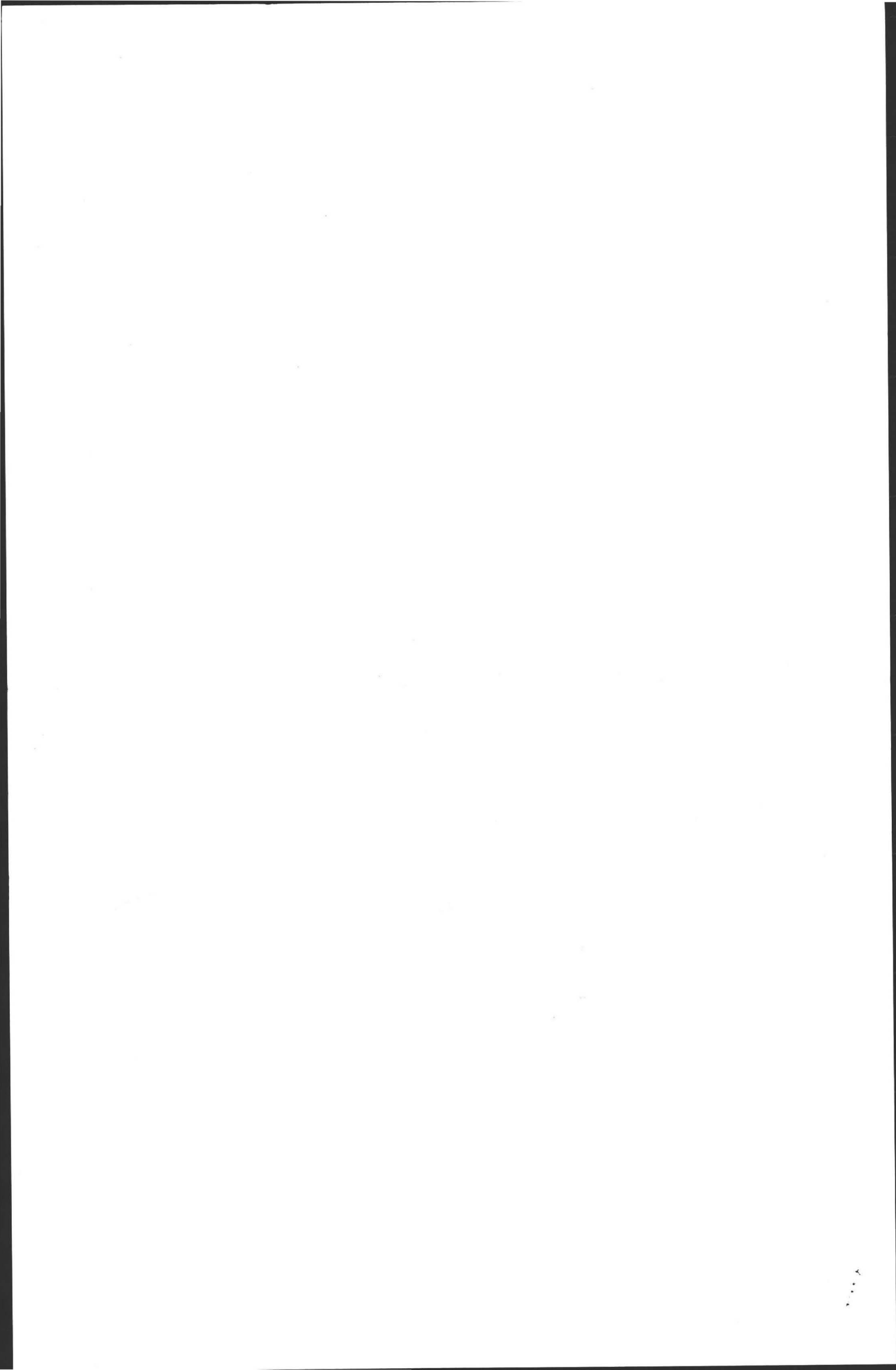
AS BUILT 11/19/04 (AW)

1 INCH IS 30 FEET

**AS BUILT**

| SEPTIC SYSTEM, WELL AND WETLAND BOUNDARY LOCATION<br>MAP 6B LOT 2 FLAT HILLS ROAD, AMHERST, MA |             |                                    |
|--|-------------|------------------------------------|
| SCALE: NOTED   | APPROVED BY | DRAWN BY AW                        |
| DATE: 4/11/02  |             | REVISED 4/12/03 (1)<br>9/13/03 (2) |
| REVISED PLAN SHEET 1 OF 2  |             |                                    |
| COLD SPRING ENVIRONMENTAL, INC.  |             | DRAWING NUMBER<br>102-1492 0315    |







Revised 10/29/02

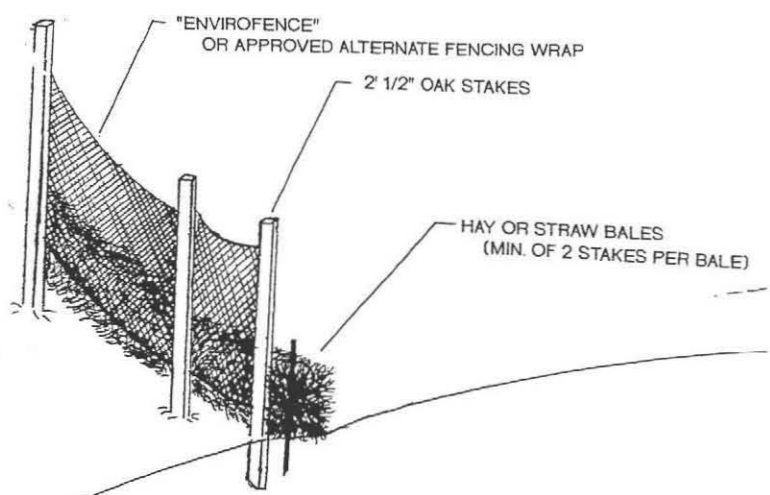


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LOT 2  
(3.53 AC +/-)

(1" = 30')  
**PLOT PLAN**

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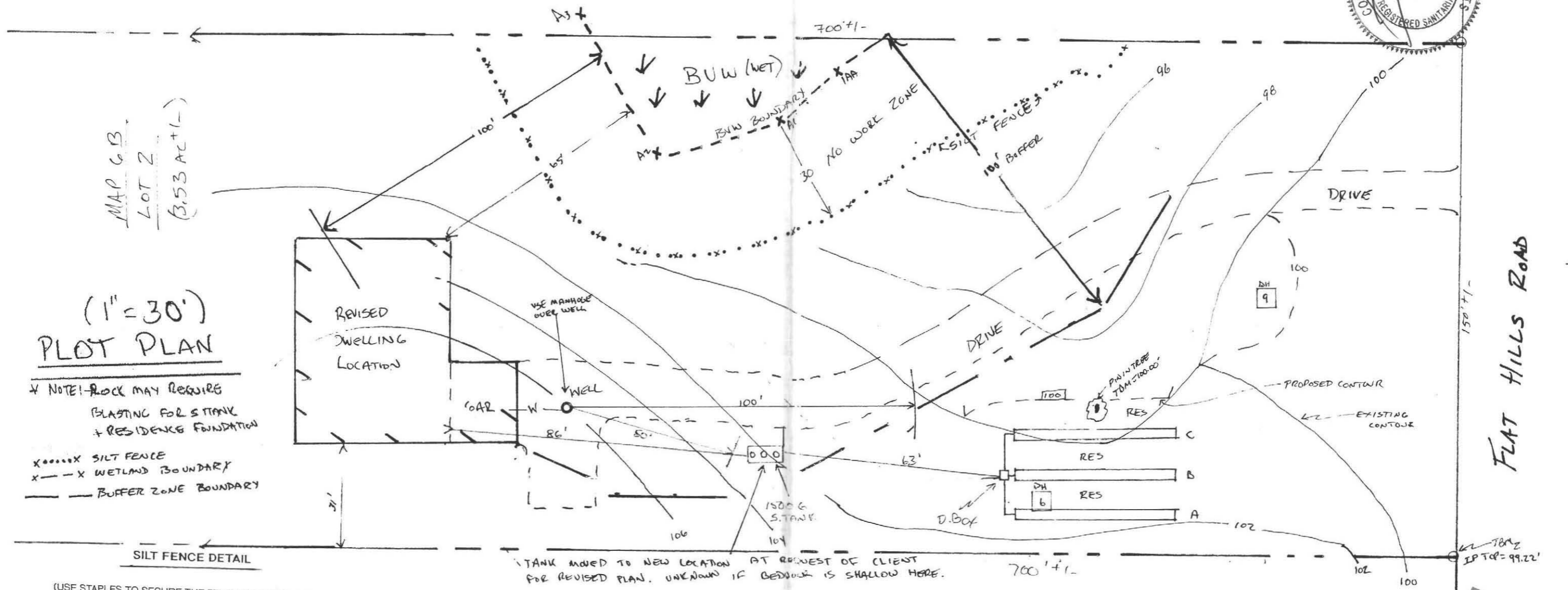
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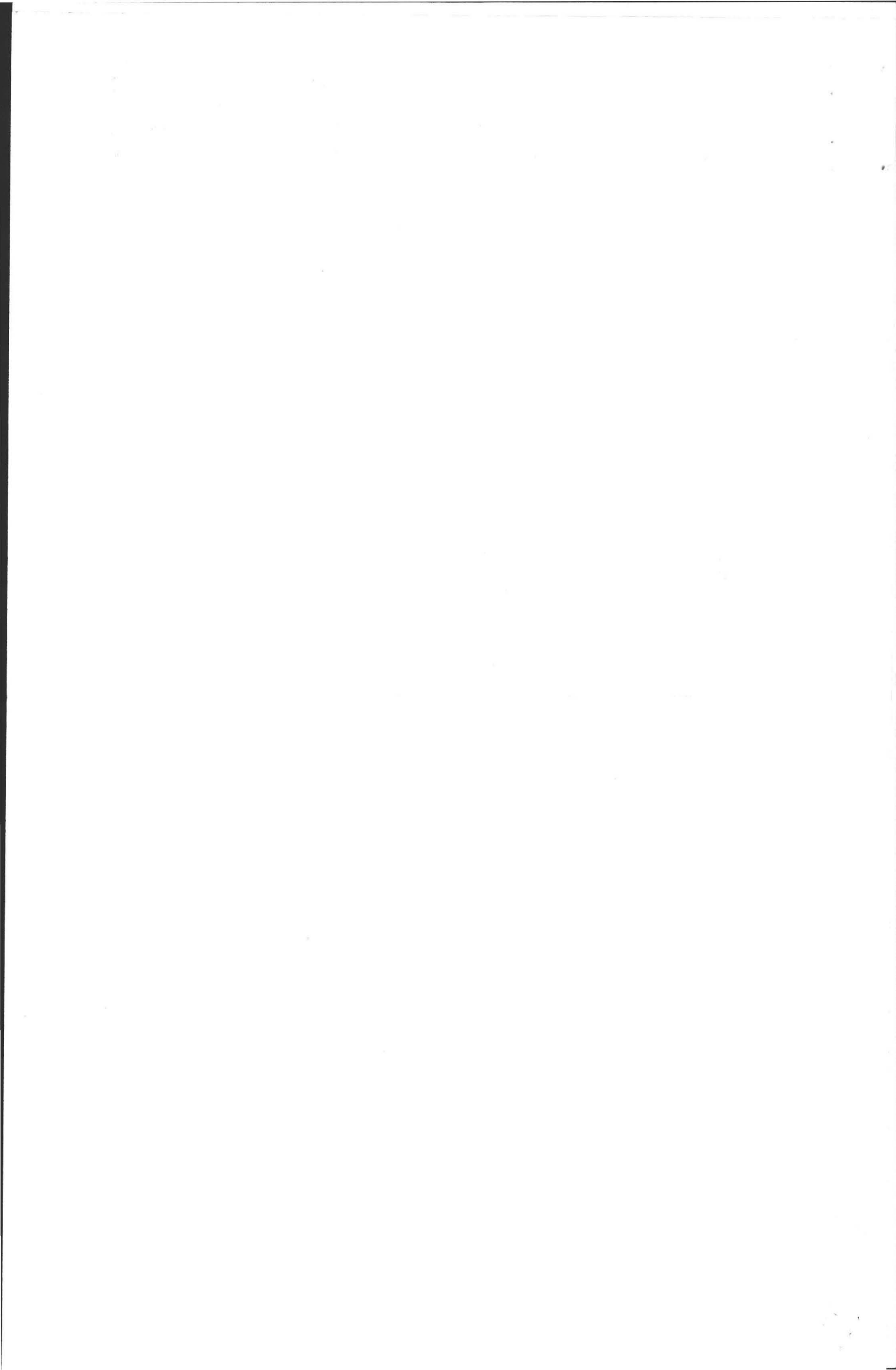
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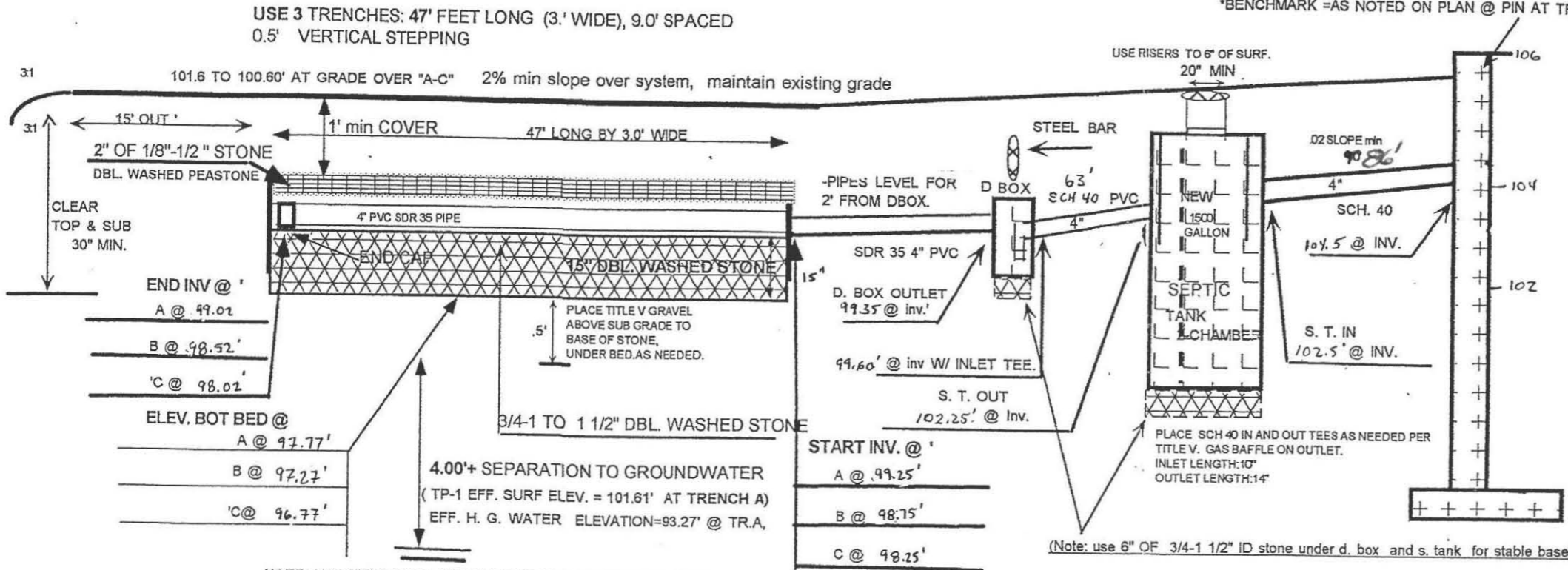
**REVISED**

1 INCH IS 30 FEET



# CROSS SECTION OF SEPTIC SYSTEM

\*BENCHMARK = AS NOTED ON PLAN @ PIN AT TREE



NOTE: USE TITLE V FILL ONLY UNDER AND AROUND FIELD TO MEET DESIGN ELEVATIONS AS NOTED ON PLAN AND AS PER 310 15.255 (clear all top and sub prior to fill placement)

## GRAVITY SLOPE SEPTIC SYSTEM OPERATION AND MAINTENANCE NOTES FOR HOMEOWNER:

- HAVE SEPTIC TANK PUMPED EVERY SECOND (2) YEARS.
- MAINTAIN AREA OVER SEPTIC AS GRASSY OR SIMILAR GROUND COVER ATTEMPTING TO MAXIMIZE SUNLIGHT TO AREA.
- DO NOT PLANT ANY TREES OR DEEP ROOTING SHRUBS WITHIN 5 FEET OF LEACHFIELD.
- USE ONLY LIQUID DETERGENTS IN WASHER OR DISHWASHER.
- CONSERVE WATER WHEREVER POSSIBLE TO LENGTHEN LIFE OF SYSTEM.
- KEEP ALL RUNOFF DRAINS SUCH AS GUTTERS OR CURTAIN DRAINS AT LEAST 25 FEET FROM LEACHING FIELD.

## TEST PIT LOGS

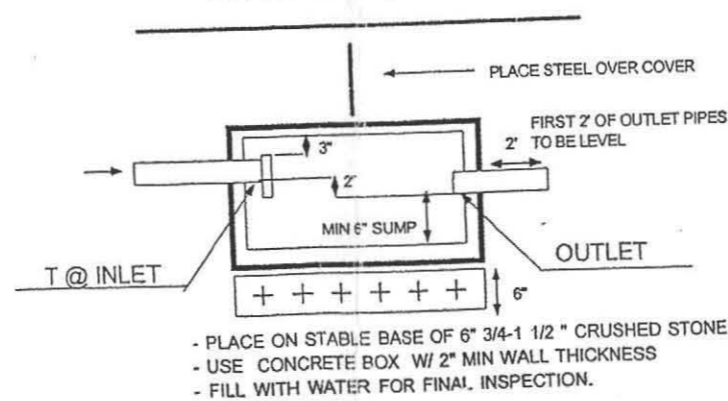
| TP-6 EFF. ELEV. 101.61' EFF FOR DESIGN OF "A"                      | TP-9 100.85' |
|--|--------------|
| 0-6" "Ap" FINE SANDY LOAM-FRIABLE 7.5YR 3/6 (7.5 YR 3/3)           | 0-6"         |
| 6-22" "Bw" FINE SANDY LOAM-FRIABLE 10 YR 3/6                       | 6-24"        |
| 22-29" "BC" FINE SANDY LOAM-MASS. EXT. FRIABLE 10% GRAV. 10 YR 5/8 | 24-30"       |
| 29-102" "C1" FINE SANDY LOAM MASS. FRIABLE (10% GRAVEL 10 YR 5/2), | 30-106"      |

OXIDES (100" & 102" RESEPECTIVELY, 7.5 YR 4/6)  
ASSUMED ESTHW @ 100", USED 60" IN TP-6 FOR DESIGN @ "A" = 93.27'  
SEEPS AND STATIC = 105".  
BEDROCK @ 106"

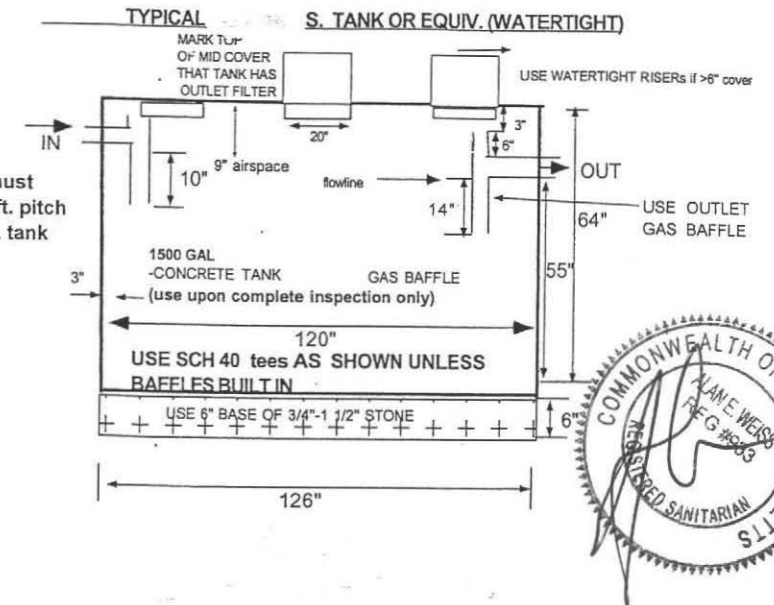
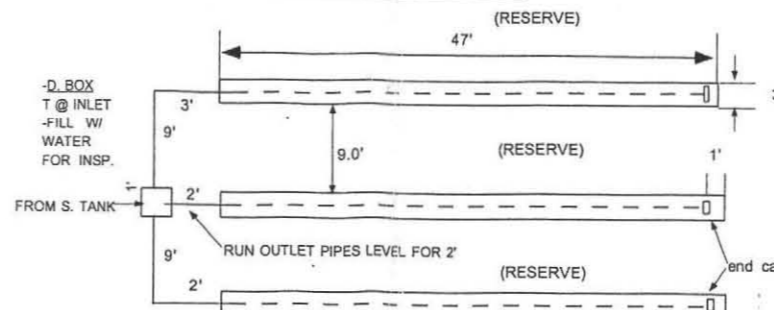
## DESIGN NOTES:

- 3 BR. x 110 gal/day x = 330 gal/day (4 bedroom design)
- Use THREE Leach Trenches: 47' long x 3.0' wide x 15" stone below invert.  
Bot. Area: 3.0' wide x 47' long x 3 = 423 sf.  
Side Area: 1.25' x 47' long x 3 x 2 = 352.5 sf.  
Side Area 1.25' x 3.0' wide x 2 x 3 = 22.5 sf  
Tot. Area: 798 sf x 0.56 gal.sf. = 447 gal./day.
- NO GARBAGE DISPOSAL ALLOWED
- ALL D. BOX OUTLET PIPES LEVEL FOR 2'; TEE AT D. BOX. INLET
- NO WELLS WITHIN 100 FEET OF SYSTEM. (water line shown)
- NO WETLANDS WITHIN 100 FEET OF SYSTEM NOTED
- PRE & POST CONTOURS NOTED AS NECESSARY.
- RESERVE AREA (BEWEN TRENCHES).
- SLOPE CALCS APPLIC, REGRADE OVER TRENCHES AS NOTED.
- SUBGRADE INSPECTION REQUIRED
- PLACE (TITLE V FILL ONLY) OVER SUBGRADE as SHOWN
- SOIL EVALUATION BY C. BOYSEN 5/15/2001, D. SZAROZINSKI, BOH AGENT
- 2% MIN. SLOPE OVER SAS UPON FINAL.
- DEEP HOLE TP-6 & 9 BY C. BOYSEN, Soil Eval. ON 05/15/2001, PERC by C. BOYSEN 48" & 43". RATE = 5 & 15 MIN./IN. "loamy Sand", USE 4' SEPARATION
- INSTALL GAS BAFFLES AT OUTLETS AS NOTED
- INSTALL/INSPECT TEES SCH. 40, (10" INLET, 14" OUTLET) ON 1,500 GAL. S. TANK
- USE NEW 1 CHAMBER, 1,500 GAL S. TANK W/ BAFFLES/TEES IN PLACE.
- USE APPROVED (1.5-3/4") ID DBL WASHED STONE UNDER PIPE & D. BOX CONTRACTOR TO CONFIRM STONE PROPERLY WASHED (WITH BUCKET H2O TEST) PRIOR TO PLACEMENT.
- NO TREES WITHIN 10 FT. OF NEW LEACHING TRENCH STONE.
- NO FILL WITHIN 5 FEET OF PROPERTY LINE.
- T.B.M. 100.00 TOP OF PIN IN TREE AND CORNER PIN AS NOTED ON PLAN

## TYPICAL D. BOX (WATERTIGHT)

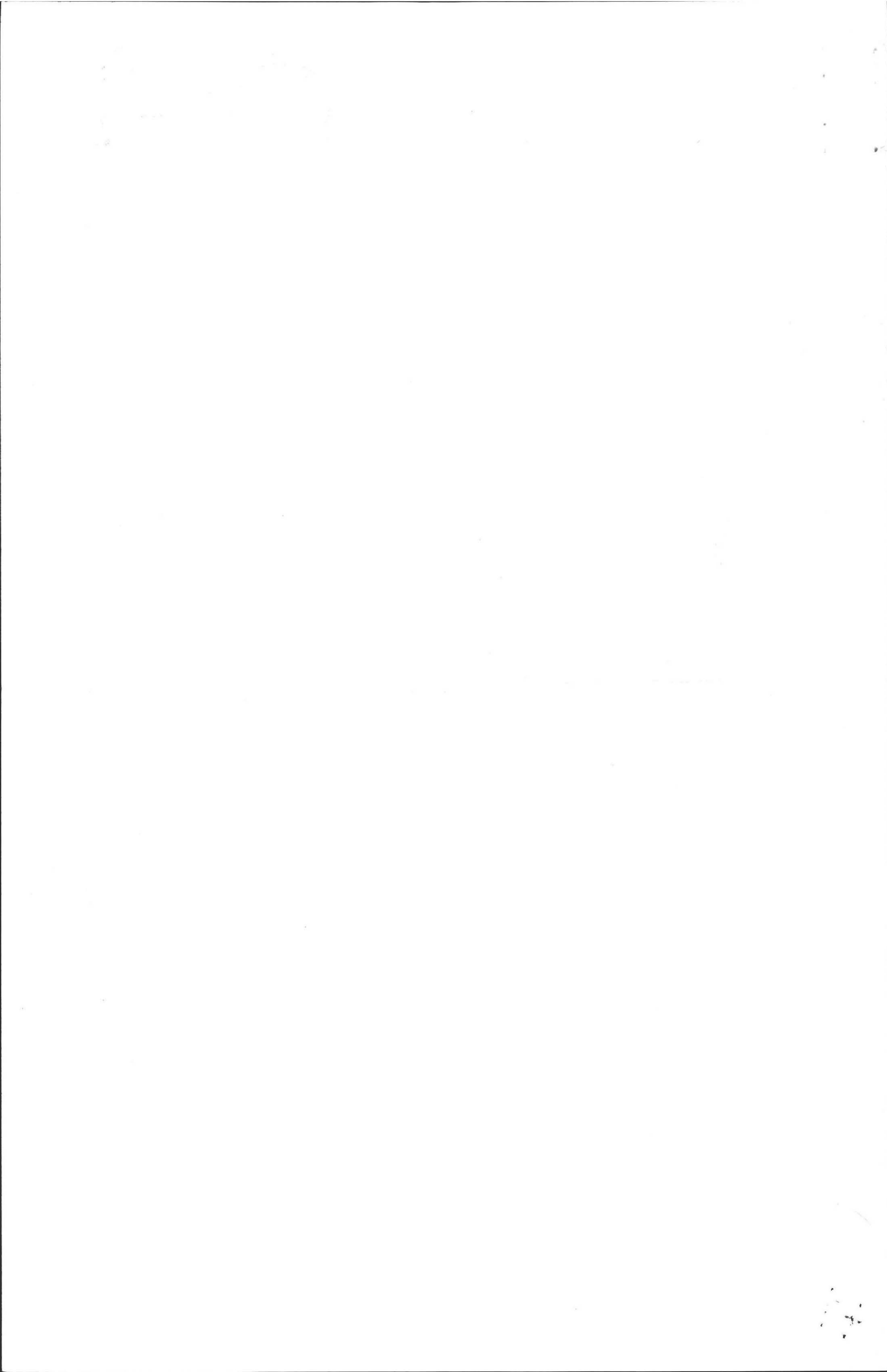


## LEACH TRENCH LAYOUT



## SEPTIC SYSTEM, WELL AND WETLAND BOUNDARY LOCATION MAP 6B LOT 2 FLAT HILLS ROAD, AMHERST, MA

|                                 |             |                                 |
|---------------------------------|-------------|---------------------------------|
| SCALE: NOTED                    | APPROVED BY | DRAWN BY AW                     |
| DATE: 4/11/02                   |             | REVISED 4/16/02 (1)             |
| REVISED PLAN SHEET 2 OF 2       |             |                                 |
| COLD SPRING ENVIRONMENTAL, INC. |             | DRAWING NUMBER<br>102-1492 0315 |





432 Flat Hills Road 11/19/04  
Engineer: Alan Weiss  
Installer: L + F CONSTRUCTION

