

395-397 old Montague Rd. D.

Nancy G. Heman

ZB4 409 old Montague (corrected)



Steven J Gross
President

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02A 000041

RECEIVED
10/10/05

AS BUILT

October 5 2005

Amherst Board of Health

RE:Septic System Installation Inspection

~~409 Old Montague Road~~

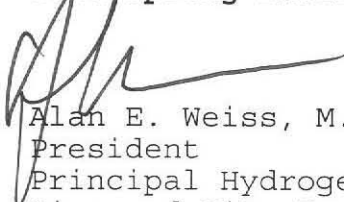
~~395-397 Old Montague Rd.~~

On this date, we inspected the installation of a Soil Absorption System (Leach field and septic tank portion of septic system). We found the installation to be complete (except for completion of cover material and final fill) and in compliance with our plans and 310 CMR 15.000.

The installer representative (DMO Const.) & our inspection noted that the system was built properly, in accordance with the state regulations and our plans. The contractor was requested to have sufficient breakout 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

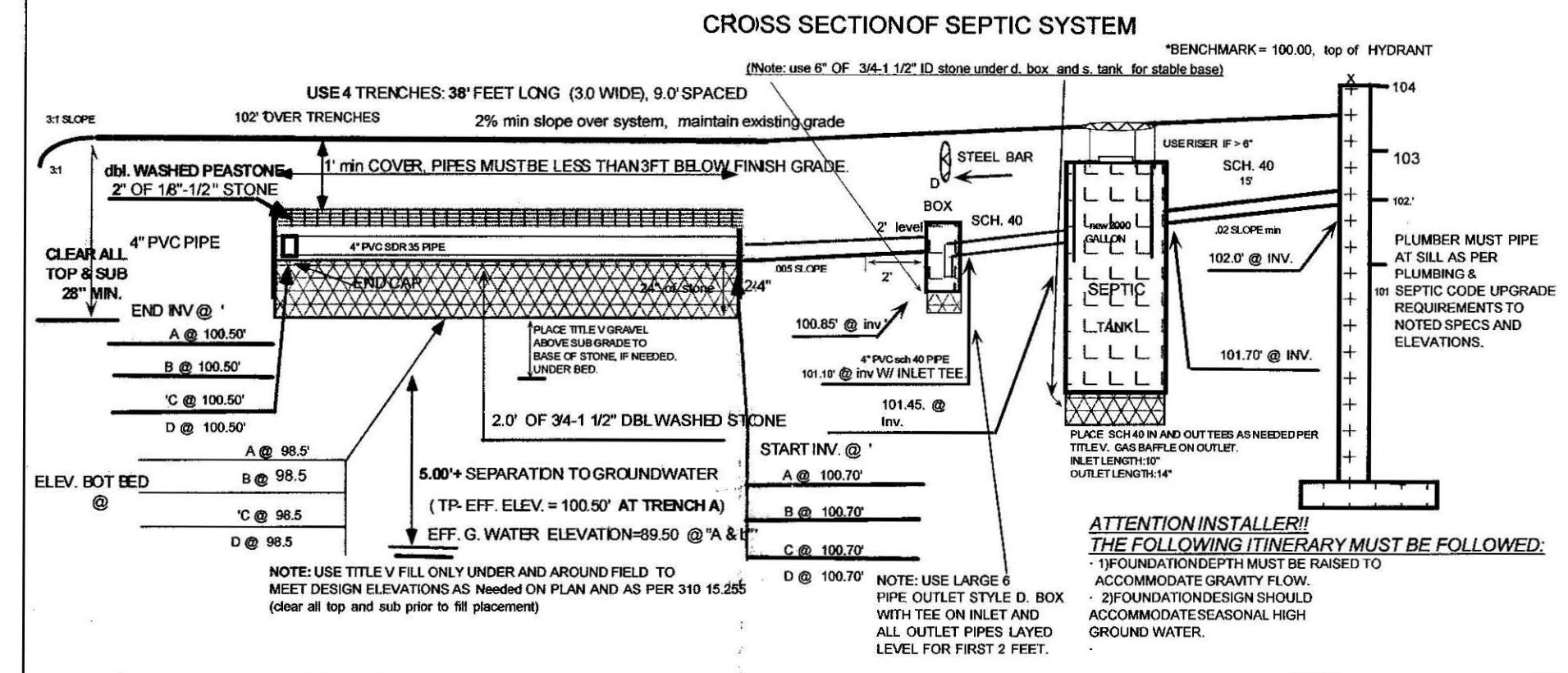
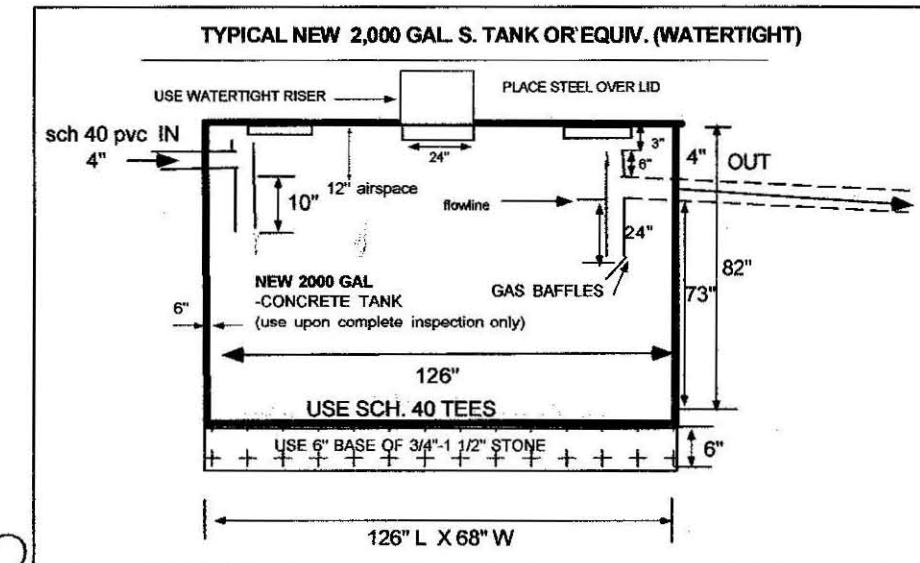
Registered Sanitarian #933

Cold Spring Environmental
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Belchertown, Ma. 01007

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413-323-4916, fax

NANCY K. GITTELMAN
BOOK 4627, PAGE 51
SEE: PLAN BOOK 147, PAGE 34

1" = 30'
MAP 2A LOT 41
40,036 SF +/-

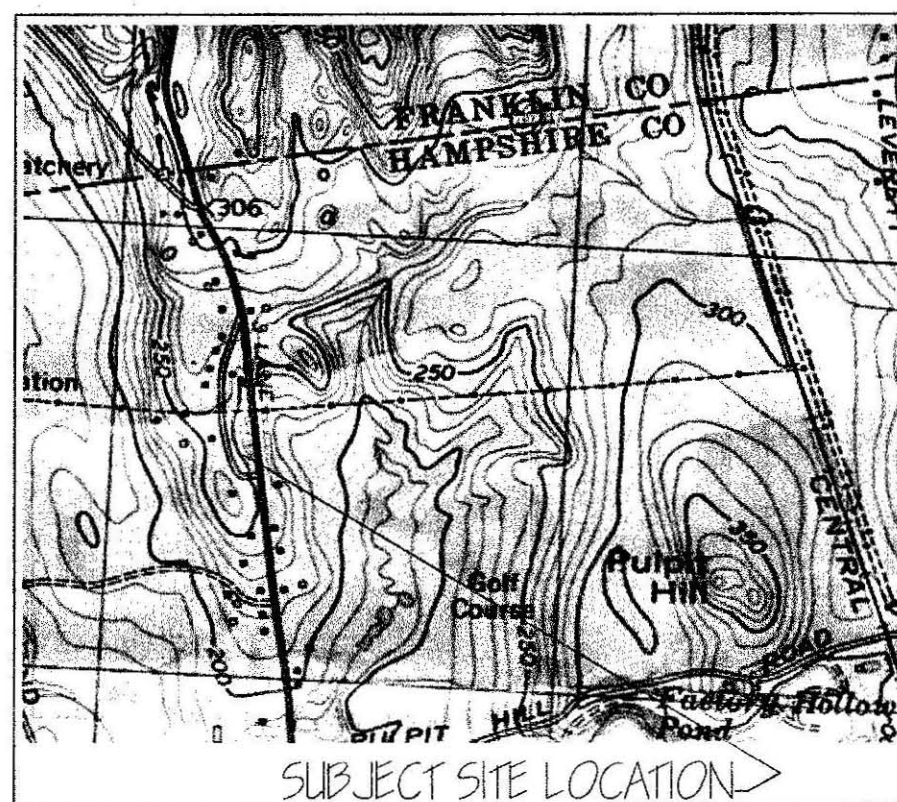
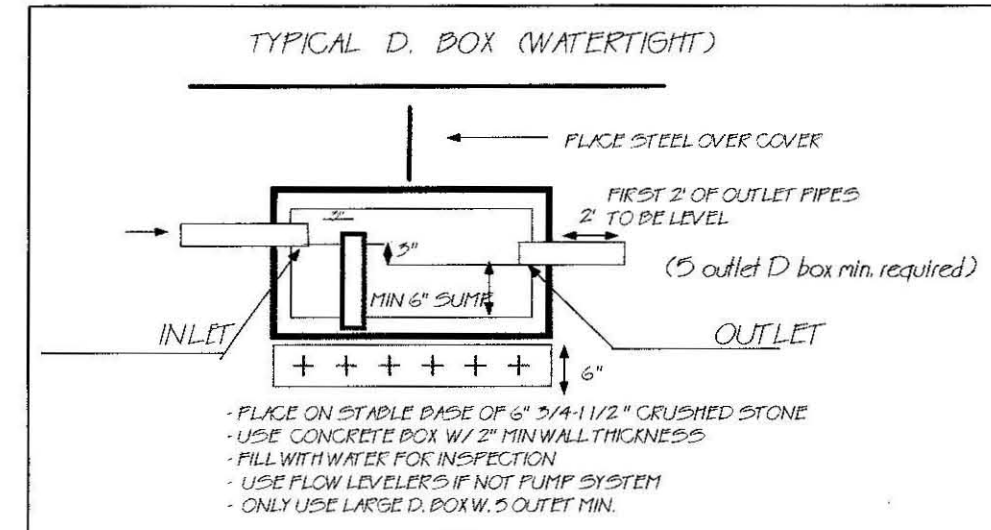
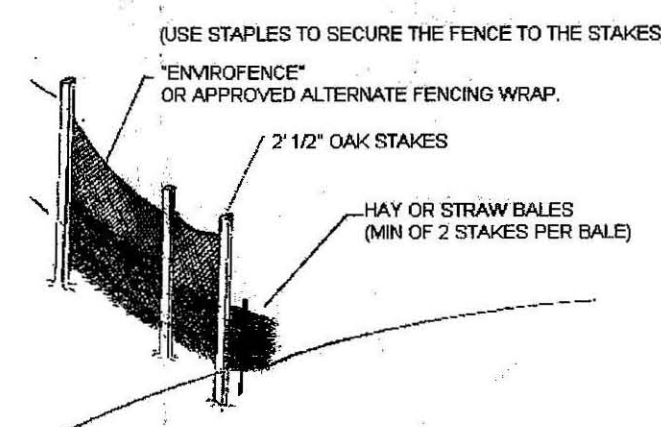


WETLAND DELINEATION AND SEDIMENT CONTROL NOTES:

NOTE: All fabric silt fence to be backed with Double Staked Virgin Straw Bales (free of seeds) in order to prevent fugitive re-seeding in Resource Area.

1. NO ALTERATION OF SEDIMENT, FILLING OR CUTTING VEGETATION ON THE DOWNGRADIENT SIDE OF THE SEDIMENTATION BARRIER (SILT FENCE).
2. SEDIMENTATION BARRIER TO BE ERECTED IN A STABLE AND LASTING MANNER AS SHOWN ON THE PLAN.
3. NOTIFY CONSERVATION ADMINISTRATOR AT LEAST 72 HOURS (IF REQ'D.) 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 GROUND COVER AND MULCHED UPON COMPLETION OF SITE WORK.
5. SILT FENCE TO REMAIN STANDING UNTIL REGROWTH IS SUFFICIENT TO CONTROL FUGITIVE SEDIMENT RUNOFF.
6. REGRADE WORK AREA AS NOTED TO PREVENT CHANGE IN SLOPE OR RUNOFF PATTERNS.

SILT FENCE DETAIL



NOT AN ACTUAL SURVEY!
LINES DRAWN AS APPROXIMATE
STRUCTURE LOCATION ONLY.

DESIGN NOTES:

1. 6 BR X 110 GAL/PERSONS/DAY = 660 GAL/DAY (6 bedroom design).
2. -USE FOUR TRENCHES 3' wide x 38' LONG W/6" of 2.0' of DBL washed stone below invert.
Bot. Area: 4(3' wide x 38' long) = 456 SF.
Side Area: 2(2' HIGH X 38' LONG) X 4 = 608 SF
Side End Area:
Tot. Area: 1064 sf x 0.74 gal/sf. = 787 GAL/DAY.
3. GARBAGE DISPOSAL NOT ALLOWED.
4. ALL D. BOX OUTLET PIPES LEVEL FOR FIRST 2'.
5. NO OTHER PRIVATE WELLS WITHIN 150 FEET OF SAS (TOWN WATER).
6. NO WETLAND WITHIN 100 FEET OF SAS (SEE PLAN).
7. PRE & POST CONTOURS NOTED AS NECESSARY, RESERVE NOTED.
8. SUBGRADE & FINAL INSPECTION REQUIRED.
- 8A USE NEW 2000 GAL. WATERTIGHT S. TANK AS NOTED & MAINTAIN 0.02 PITCH FROM SILL TO S. TANK. REPLACE HOUSE SEWER IF NEEDED.
9. SLOPE CALCS (SEE CONTOURS). SUBGRADE INSP. REQ'D.
10. 2% MIN. SLOPE OVER SAS, CLEAR TOP AND SUB TO 28" MIN. AS NEEDED.
CLEAR TO BASE OF B (MIN. 28") & SCARIFY SOIL UNDER BED PRIOR TO TITLE V SAND PLACEMENT (if needed).
11. SOIL EVALUATION BY A. WEISS, RS. 12/10/2002 (D. ZAROZINSKI, BOH AGENT).
12. DEPTH OF PERC. 44' & 46" BY A. WEISS 12/10/2002, D. ZAROZINSKI, HEALTH AGENT
13. PERC RATE = <2 MIN/IN, CLASS 1 SOIL RATING (S)
14. INSTALL/INSPECT SCH. 40 TEES/BAFFLES (10" INLET, 14" OUTLET).
15. USE APPROVED (1 1/2") DBL. WASHED STONE UNDER BED & D. BOX FOR 6".
CONFIRM STONE PROPERLY WASHED (WITH BUCKET /H2O TEST) PRIOR TO PLACEMENT.
16. NO TREES WITHIN 10 FT. OF NEW LEACH FIELD. USE TITLE V FILL 5' OUT.
17. ENGINEER TO INSPECT SUBGRADE, STUMPS AND BOULDERS WHERE INTERFERES WITH NEW SAS.
18. T.B.M.1. 100.00 AT TOP OF HYDRANT AT STREET (RTE 63, AS NOTED), CONFIRM PROPER PIPE SLOPES
USE/INSPECT SCH. 40 PIPE FOR PIPE FROM HOUSE TO NEW OR EXISTING TANK
20. GRADE MULCH AND SEED OVER LEACHFIELD AS NOTED.
21. USE LEACHING TRENCHES DUE TO TOPOGRAPHY AND SPACE OF LOT
WITH RESPECT TO LOCATION AND ELEVATION OF RESIDENCE (310 CMR 15.240)
22. INSTALLATION IN UNFROZEN GROUND SEASON RECOMMENDED.

TEST PIT LOG:

TP-3a EFF. EL. 100.50' EFF. IELEV. (TP-4A 99.50')
0-5' A: FRIABLE LOOSE: FSL (10 YR 3/2) 0-8"
5-20' BM: FRIABLE LOOSE: SANDY LOAM (2.5 Y 5/6) 8-28"
20-132' C1: SAND, GRANULAR MED-CRSE SAND & GRAV., (2.5 Y 5/3) 28-132"
OXIDES: @ 132" ASSUMED (NOT OBS)
ESHW: ASSUMED @ 132" IN TP-3A. FOR DESIGN, (5' SEPARATION PROVIDED) = 89.50"
NOT OBS: STANDING H2O
NOT OBS: WEERING FROM FACE
132" + BEDROCK

SEPTIC SYSTEM LOCATION DESIGN PLAN FOR STEVEN GROSSMAN LOT 41a OLD MONTAGUE ROAD AMHERST, MA

COLD SPRING ENVIRONMENTAL CONSULTANTS INC.

BELCHERTOWN, MA.

PHONE: (413) 323-5957

FAX: (413) 323-4916

EMAIL: AWEISS@CHARTER.NET

DATE: 10/12/04

DRAWN BY: ALAN WEISS

REVISED:

SCALE: 1"=30'

DRAWING NUMBER: 102-1668-SLOT

NOTE: INSTALLER MUST CONTACT ENGINEER 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.

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.

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 5 FEET OF SYSTEM.
- 4.) USE ONLY LIQUID DETERGENTS IN WASHERS.