

64 STATE STREET

7/10/06
M (4 Sur 11501)

2100
512-2303

KARL'S TO INSTALL
CLEAN OUT AT TANK. 7/14/06
BE FORK
ALAN TO SEND US
AS BUILT WITH GRADES
TOM

July 16 2006

Amherst Health Dept

RE:Septic System Installation Inspection
64 State Street

AS BUILT

On this date, the Cold Spring Staff inspected the installation of a Soil Absorption System (Septic tank and L. field, septic system). The writer 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 (**Karls, Excav.**) & My 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 Weiss, RS, MS
Principal Hydrogeologist

*As Built Attached

The following is a list of the names of the persons who have been
 appointed to the various positions in the office of the
 Secretary of the State, for the term ending on the 31st day
 of December, 1901.

Secretary of the State: [Name]

Treasurer of the State: [Name]

Auditor of the State: [Name]

Superintendent of the State: [Name]

Director of the State: [Name]

Commissioner of the State: [Name]

Registrar of the State: [Name]

Clerk of the State: [Name]

Chief Clerk of the State: [Name]

Deputy Secretary of the State: [Name]

Deputy Treasurer of the State: [Name]

Deputy Auditor of the State: [Name]

Deputy Superintendent of the State: [Name]

Deputy Director of the State: [Name]

Deputy Commissioner of the State: [Name]

Deputy Registrar of the State: [Name]

Deputy Clerk of the State: [Name]

Deputy Chief Clerk of the State: [Name]



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: 64 State ST.

Property Owner: Ms. Allen

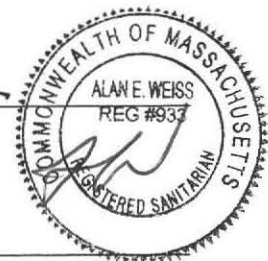
I certify that I have inspected the excavation to sub-grade of the proposed septic system leaching area prior placement of any fill of stone, or construction of any portion of the system.

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

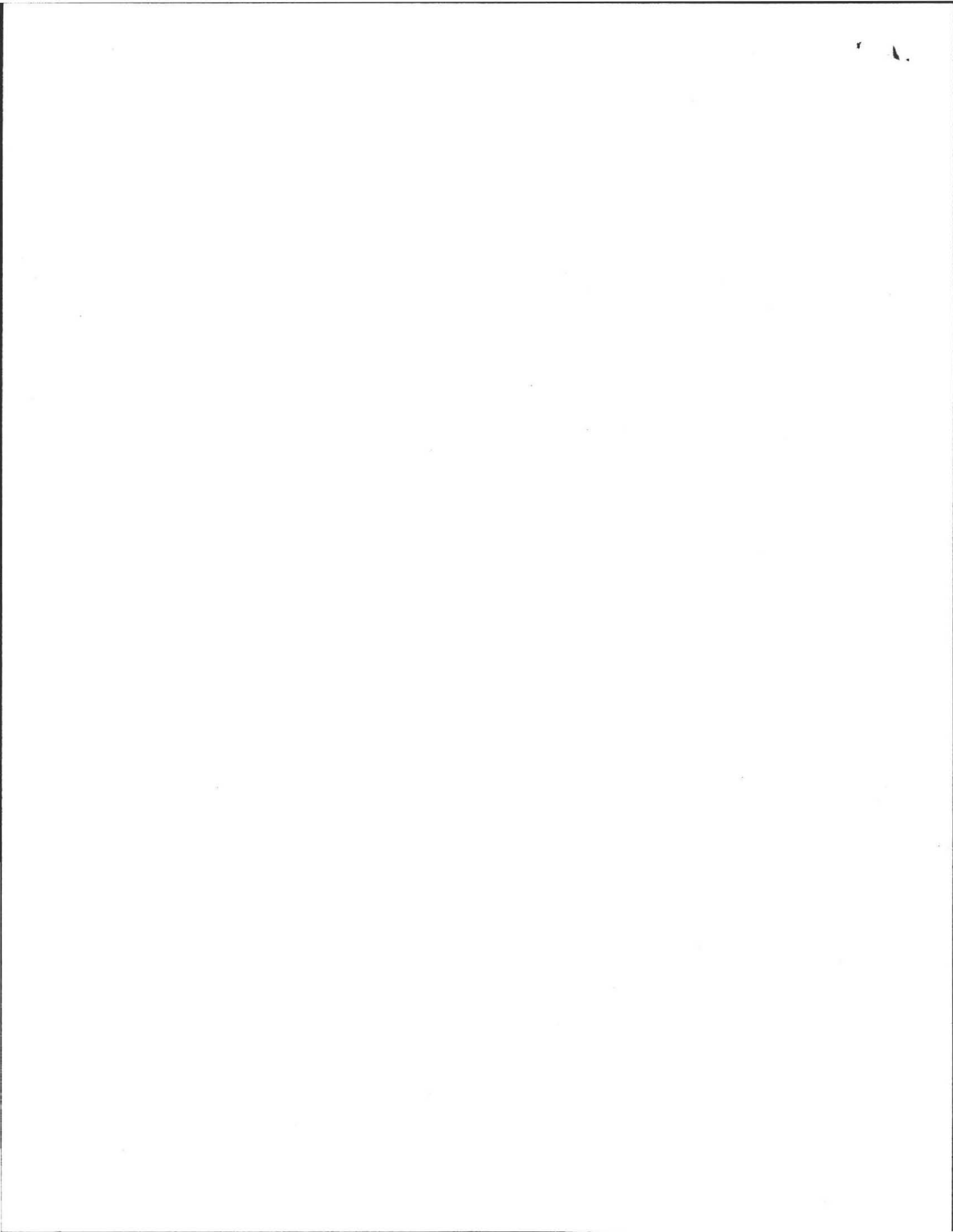


COLD SPRING ENVIRONMENTAL, INC.
Street Address 350 OLD ENFIELD RD.
BELCHERTOWN, MA 01007

Town, State, Zip Code

413-323-5957
Telephone Number





AS BUILT

PLOT PLAN
SCALE: 1"=30'
125,372± Sq. Feet
2.878± Acres

EXISTING SAS. PUMP, CRUSH, AND BACKFL
EXISTING S. TANK



PROPOSED
CONTOURS

EXIST.
CONTOURS

DRIVEWAY

SHED

BARN

EXISTING
4 BEDROOM
HOUSE

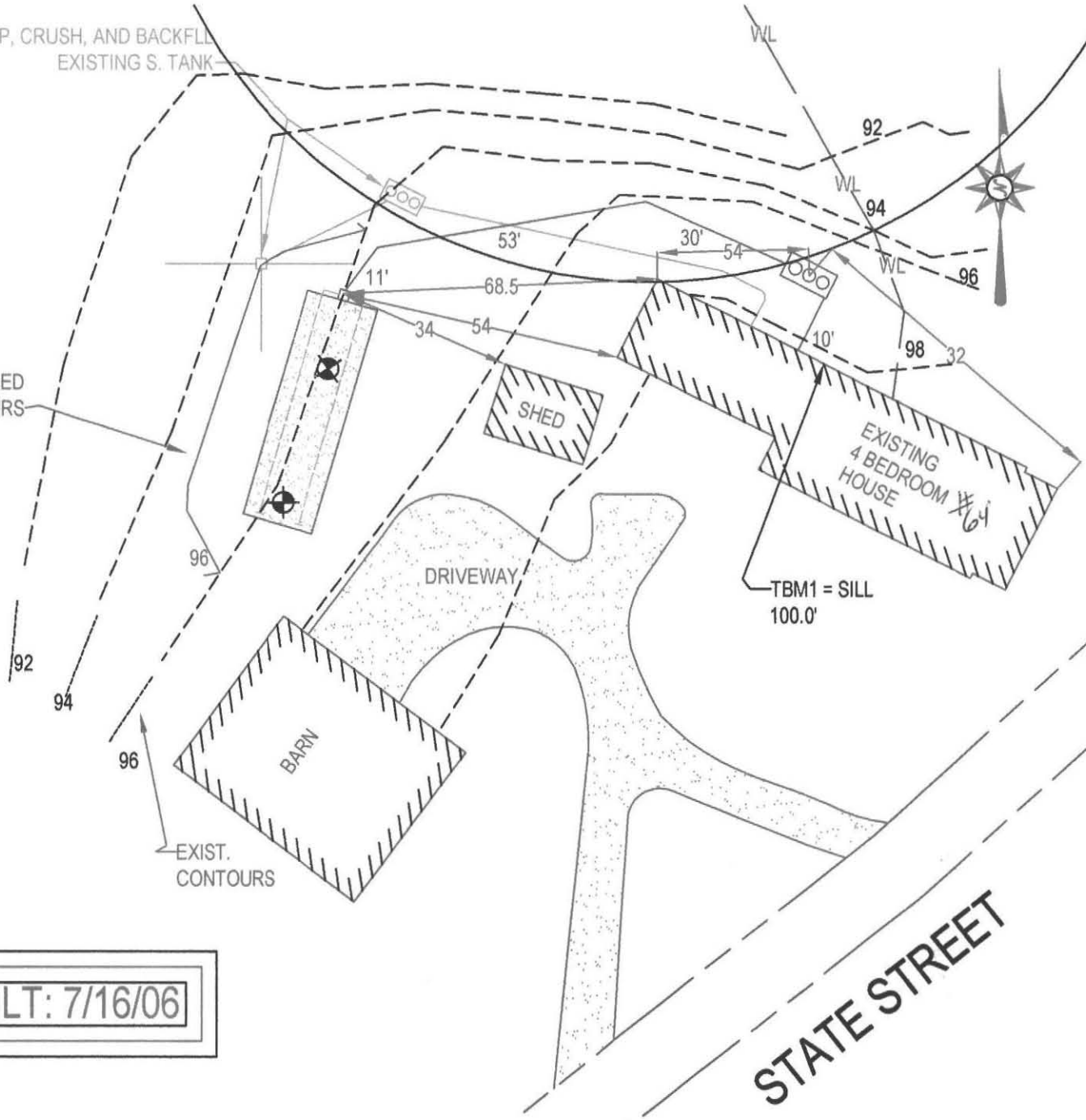
TBM1 = SILL
100.0'

STATE STREET

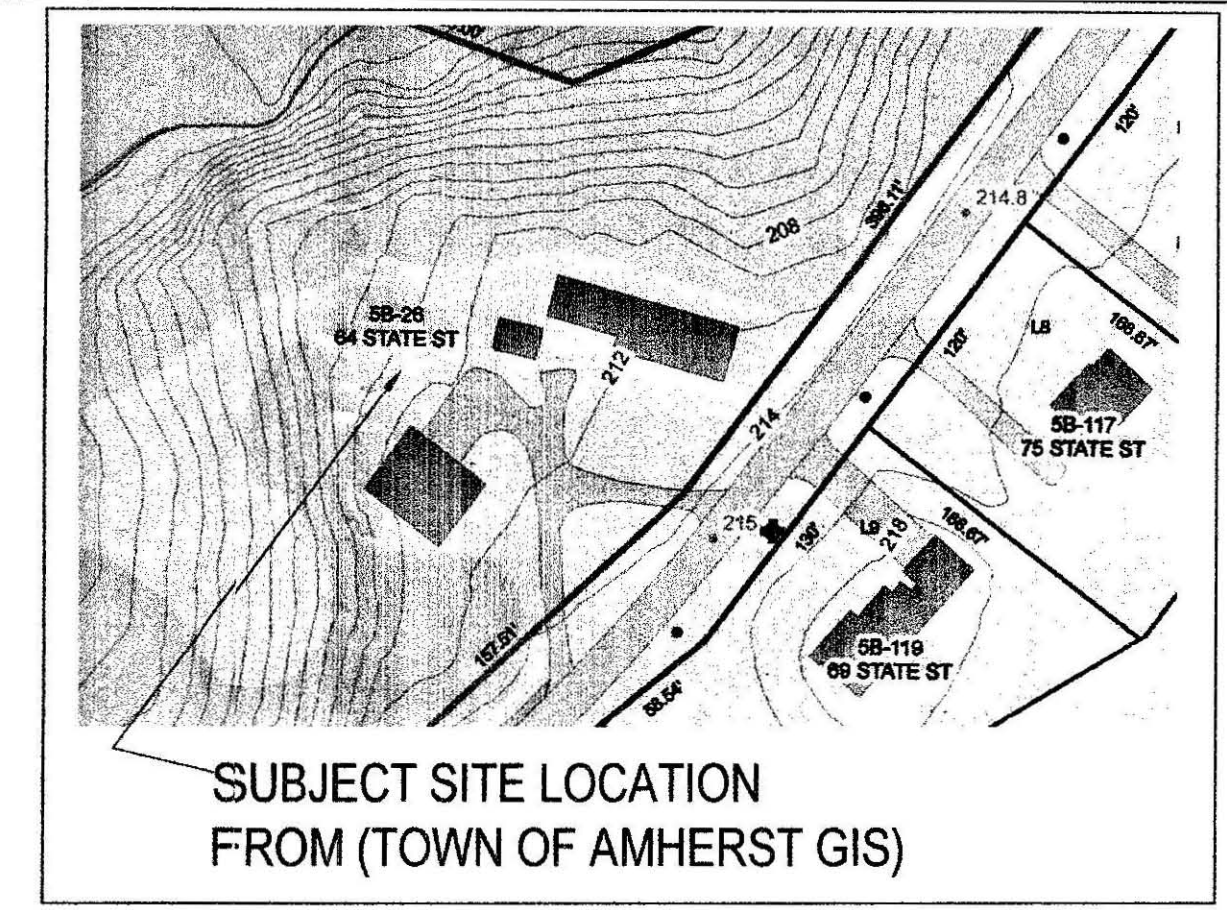
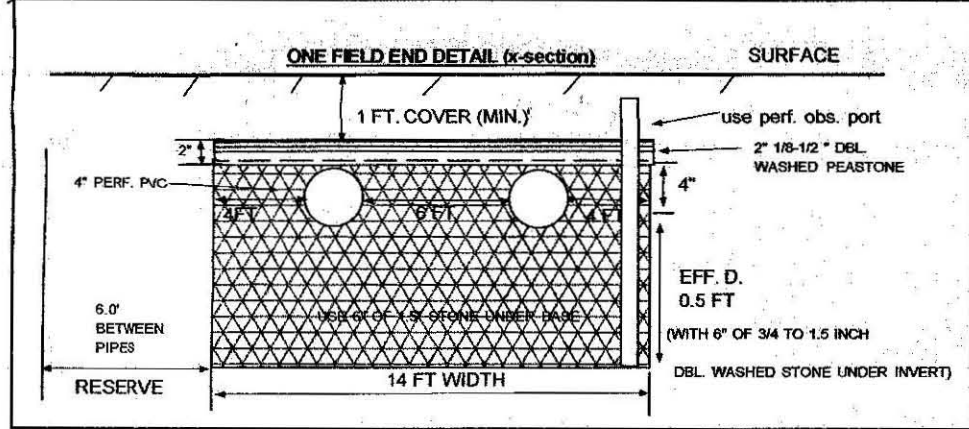
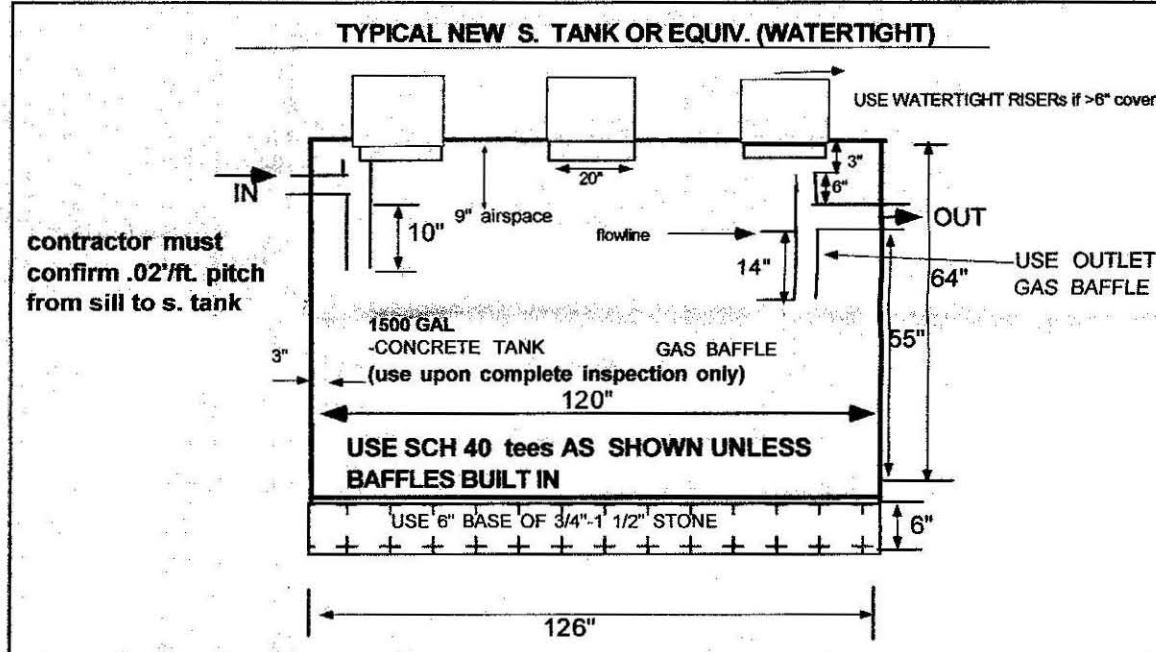
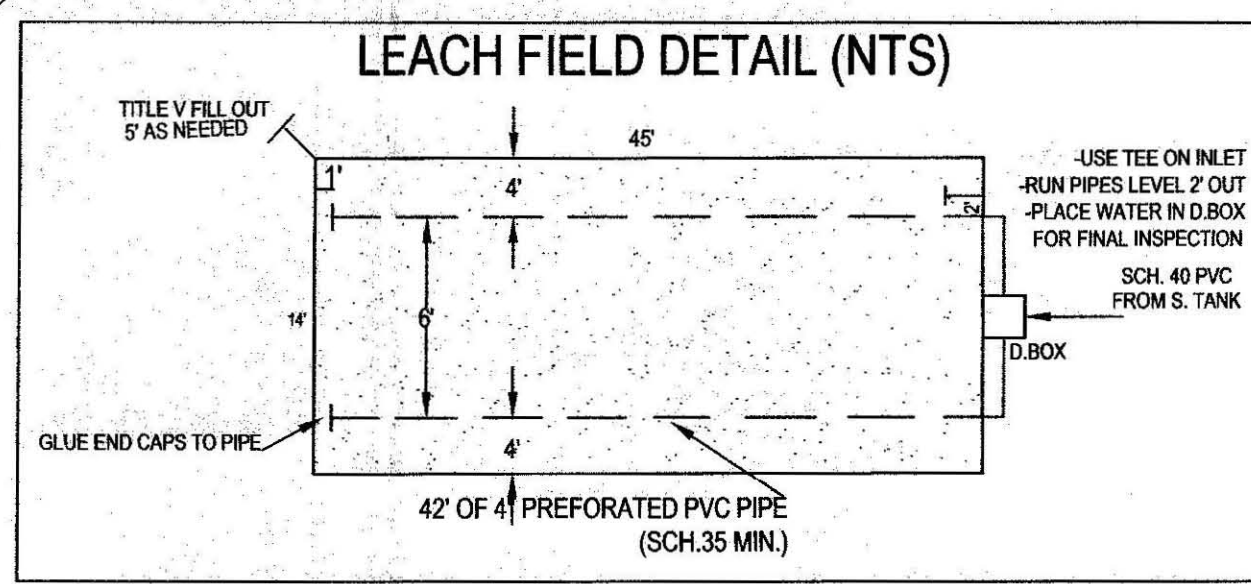
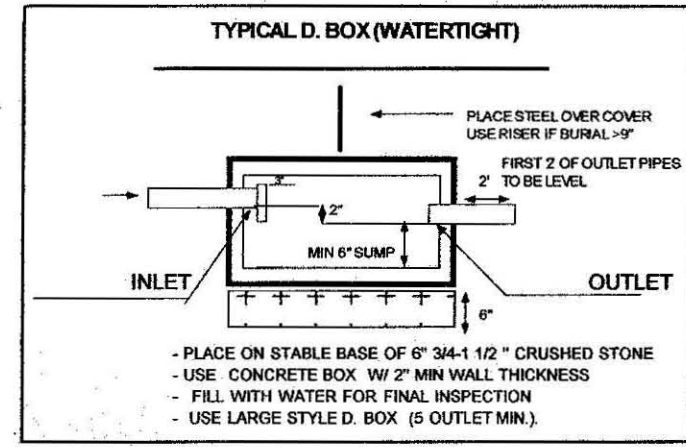
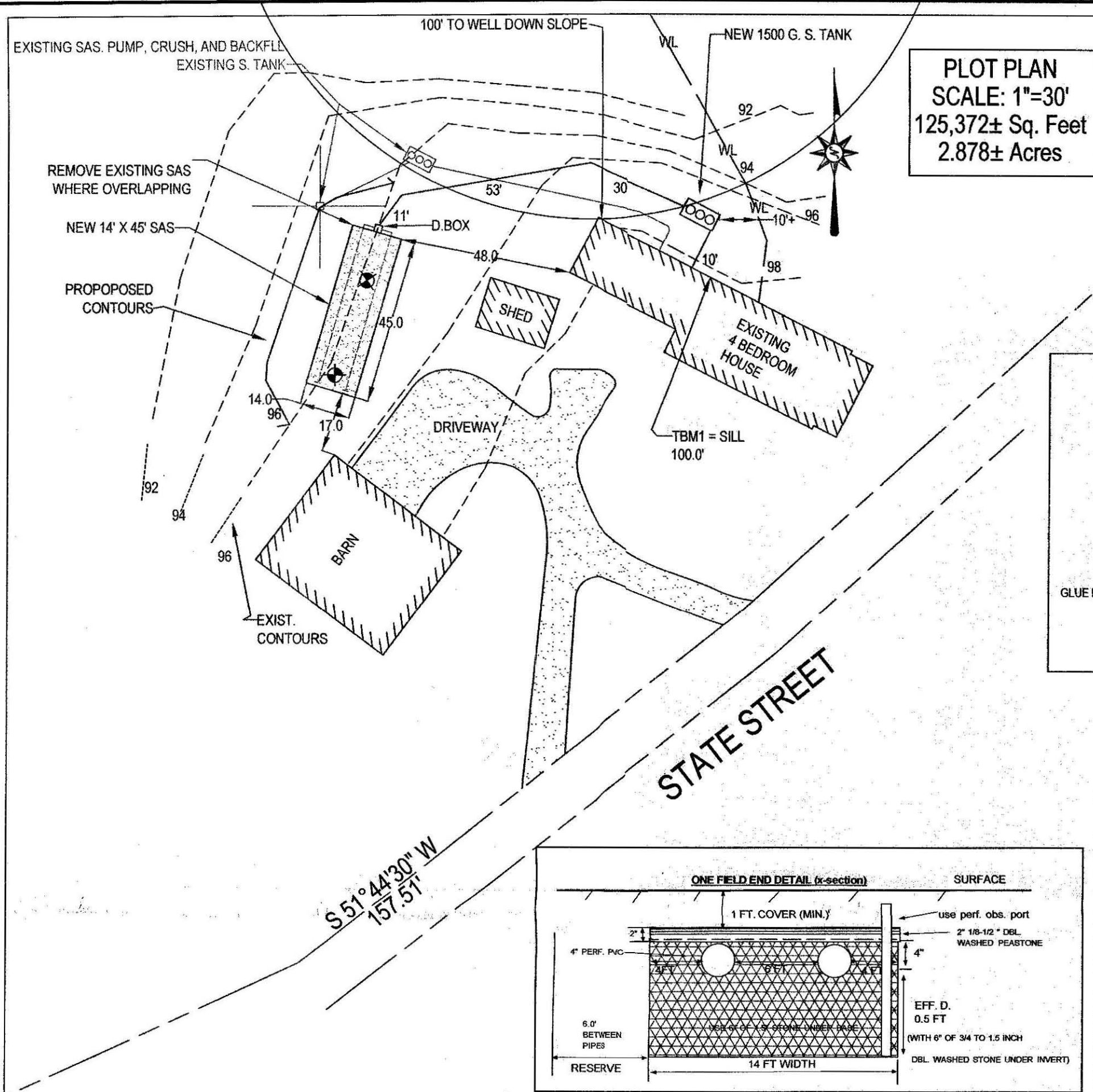
TITLE V FI
5' AS NEE

GLUE END CAPS TI

AS BUILT: 7/16/06







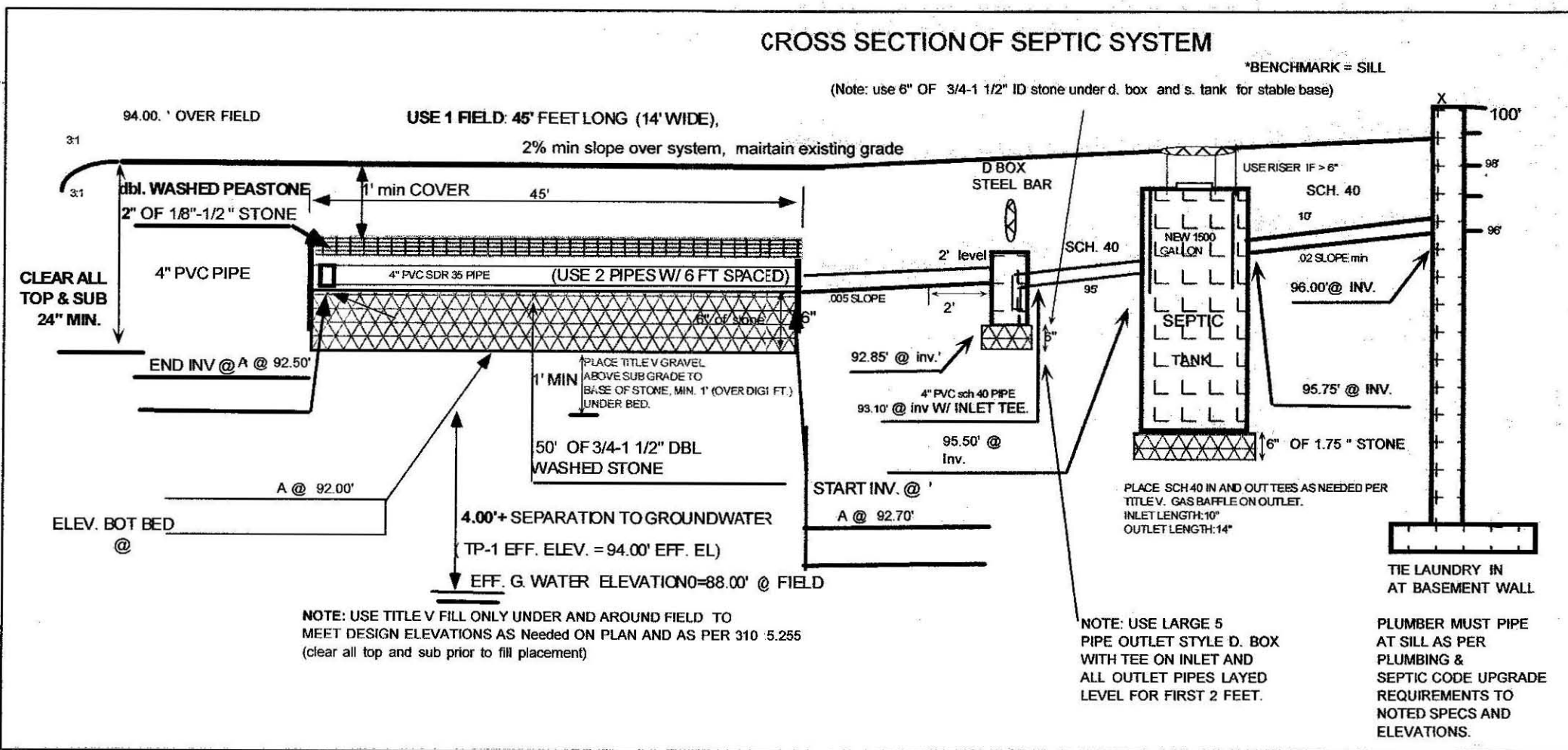
DESIGN NOTES AND CALCULATIONS:

- 4 BR X 110 GPD/BR = 440 GPD
 - Use ONE FIELD: 14' WIDE X 45' LONG WITH 6" OF 3/4" TO 1/2" DBL WASHED STONE BELOW INVERT
 - BOTTOM AREA: 14' W X 45' L = 630 SF.
 - SIDE AREA: 0 SF.
 - TOTAL AREA: 630 SF X 0.74 GAL/SF = 466 GPD
- GARBAGE DISPOSAL INOT ALLOWED
- NO OTHER PRIVATE WELLS WITHIN 150 FEET OF SAS
- NO OTHER WETLANDS: WITHIN 150 FEET OF SAS
- USE NEW 1,500 GAL S. TANK AS NOTED & MAINTAIN 0.02 PITCH FROM SILL TO S. TANK
- INSTALL & INSPECT SICH. 40 TEES / BAFFLES (10" INLET, 14" OUTLET),
 NOTE:
 - SEPTIC TANKS AND PUMP CHAMBERS WITH RECEDED 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.
 7A ALL D. BOX OUTLET PIPES LEVEL FOR FIRST 2'. USE RISER IF > 6" COVER.
 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 RPVC TEES AS SHOWN.
- PRE & POST CONTOURS NOTED AS NECESSARY, RESERVE AREA NOTED REQUIRED.
- SLOPE CALCS (SEE CONTOURS), SUBGRADE INSP. REQ'D.
- USE FIELD 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
 - CLEAR TOP AND SUB TO 36" MIN. AS NEEDED (INSPECTION REQUIRED).
 - CLEAR TO BASE OF IB (MIN. 36") UNDER BED PRIOR TO TITLE V SAND PLACEMENT (if needed).
 - EXCAVATE EXISTING SYSTEM AND REMOVE.
- SOIL EVALUATION BY A. WEISS, RS. 05/02/06 (D. ZAROZINSKI, BOH AGENT).
 - DEPTH OF PERC. 48"
 - PERC RATE = 3' MIN / IN
 - CLASS I SOIL RATING (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 @ SILL, 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.

TEST PIT LOG:

| | |
|---|-------------------|
| TP-1 EFF. EL. 94.0 EFF. ELEV. | TP-2 @ PERC: |
| 0-8" A: F. SANDY LOAM (10 YR 33) | 0-8" 0-8" |
| 8-24" Bw: SANDY LOAM (2.5 Y 44) | 8"-24" 8"-24" |
| 24-78" C1: F. SAND LAMINATED (2.5 Y 56) | 24"-78" 24"-78" |
| 78-120" C2: SAND AND GRAVEL (5 Y 42) | 78"-120" 78"-120" |

OXIDES: OBSERVED @ 72" (10 YR 68)
 ESHWT: ASSUMED @ 72"
 NOTE: STANDING H2O
 MGT: WEEPING FROM FACE
 120"+ BEDROCK



2006 SEPTIC PLAN ADDENDUM
DUE TO LATE REGULATION CHANGES 4-22-2006
ALL NEW SYSTEMS MUST:
 1.) INSTALL RISERS OVER D. BOX'S GREATER THAN 9" BURIED.
 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.

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.



SEPTIC SYSTEM REPAIR PLAN FOR ALICE ALLEN
64 STATE STREET
AMHERST, MA.

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

PROJECT NO: (413) 323-5957
 DATE: (413) 323-4916
 DRAWN BY: ALAN WEISS
 SCALE: 1"=30'

e-Mail: ALWES@charter.net
 REVISED:
 DRAWING NUMBER: 106-2451-0412

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 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.