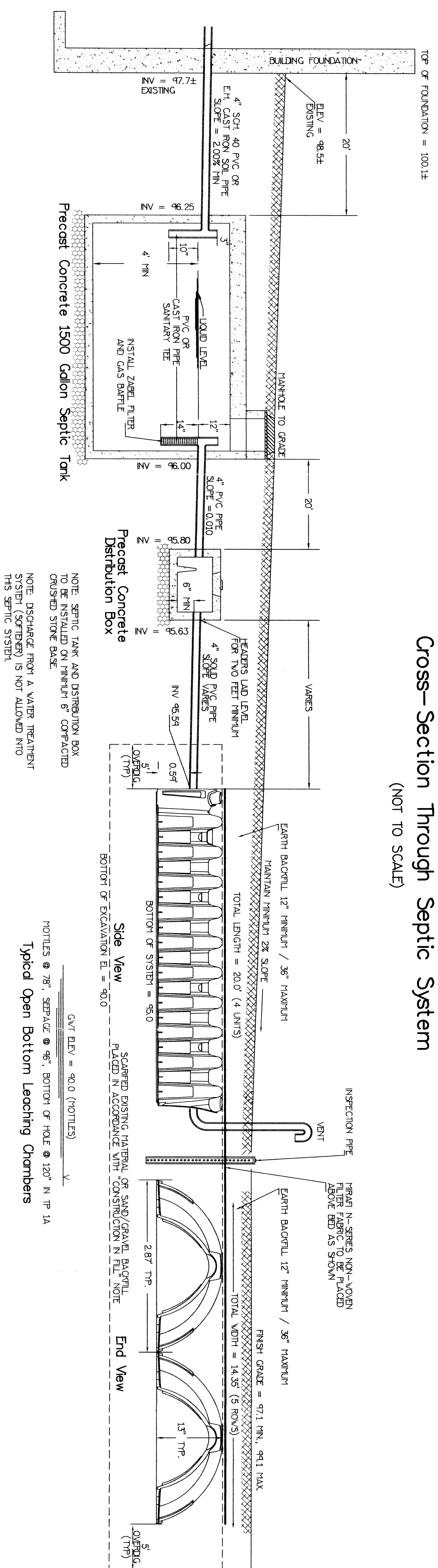
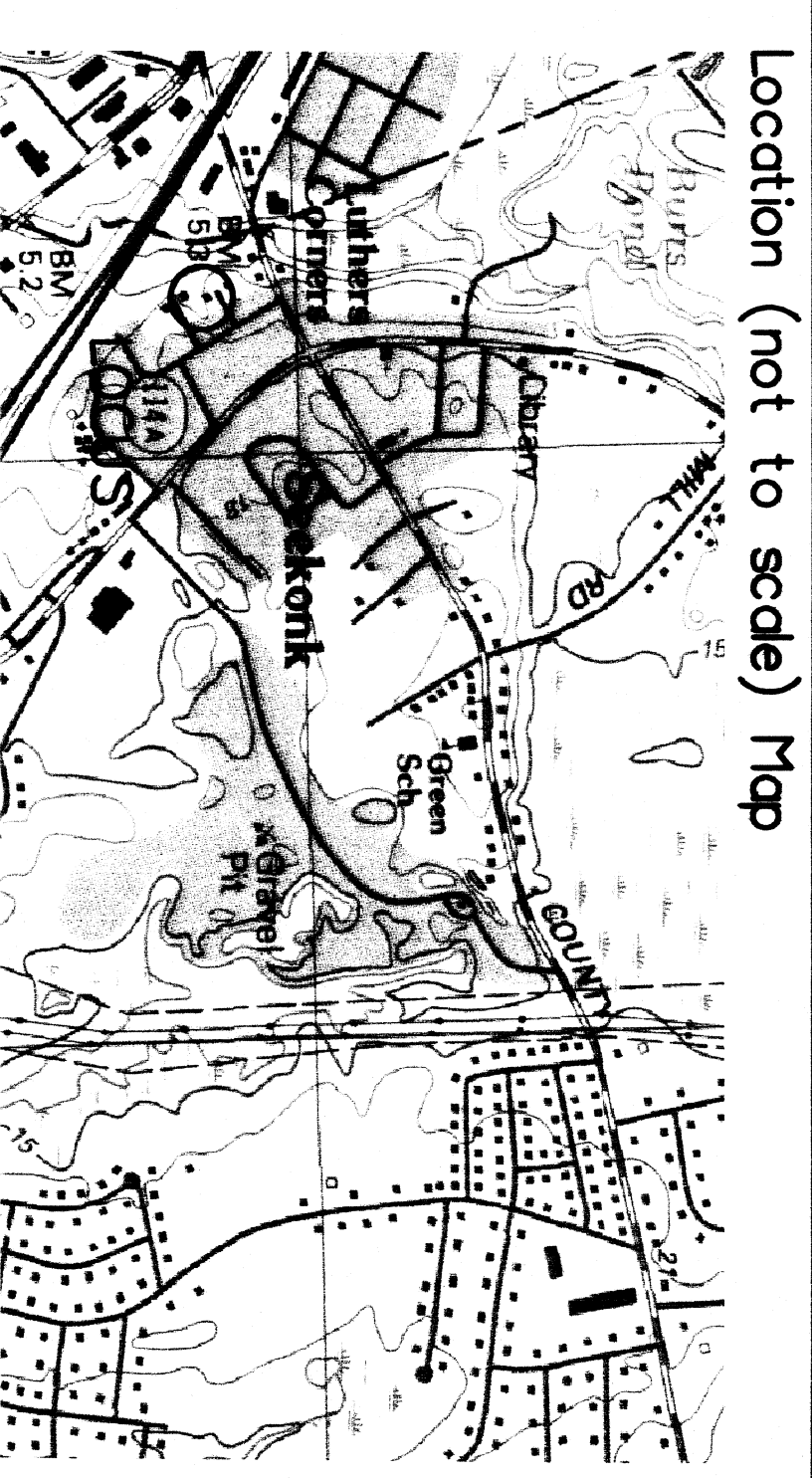


Cross-Section Through Septic System (NOT TO SCALE)



Typical Open Bottom Leaching Chambers
GVY ELEV. = 90.0 (HOTLIES)
HOTLIES @ 75' SEPTIC @ 95', BOTTOM OF HOLE @ 120' N TP 1A



Location (not to scale) Map

Notes & Specifications

THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE RULES AND REGULATIONS OF 310 OR 15 (LITTLE V) OF THE COMMONWEALTH OF MASSACHUSETTS AND THOSE OF THE TOWN OF SEEKONK BOARD OF HEALTH. THE REQUIRED INSPECTION SCHEDULE DURING THE PROCESS OF CONSTRUCTION SHALL BE ARRANGED BY THE CONTRACTOR WITH THE BOARD OF HEALTH AND DESIGN ENGINEER PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.

1500 GALLON SEPTIC TANK AND 5 OUTLET DISTRIBUTION BOX SHALL BE STANDARD DUTY DESIGN AS MANUFACTURED BY BRISTOL COUNTY PRECAST, INC. OR APPROVED EQUAL OPEN BOTTOM LEACHING CHAMBERS SHALL BE STANDARD DUTY DESIGN BY ADS, MANUFACTURER OF APPROVED EQUAL.

ALL PIPING SHALL BE 4" DIA. SCH. 40 NSF PVC, WITH ALL JOINTS SEALED WATER-TIGHT. ALL STONE SHALL BE DOUBLE WASHED AND FREE OF ROOTS, CLAY OR PILES AND SHALL BE SATISFACTORY TO THE TOWN OF SEEKONK BOARD OF HEALTH.

THIS SYSTEM IS NOT DESIGNED TO ACCOMMODATE A CEMETERY DISPOSAL OR OTHER HIGH WATER USE TYPES.

THE PROPOSED SEPTIC SYSTEM IS NOT LOCATED WITHIN THE COVE OF INFLUENCE OF ANY RAINFALL WELL NOR ARE THERE ANY PRIVATE WELLS LOCATED WITHIN 100 FEET (RADIAL) OF THE PROPOSED SYSTEM.

EXCAVATE ALL TOP, SID AND ANY OTHER SOILS ENCOUNTERED DOWN INTO THE EXISTING GRAVEL RESERVE AREA TO THE PROPOSED SEPTIC SYSTEM. REMOVE ALL ROOTS OR OTHER DESTRUCTIVE SUBSTANCES AND CLEAN GRANULAR SAND FREE OF ORGANIC MATTER OR OTHER DESTRUCTIVE SUBSTANCES AND RETURN THE SPEC SIZE REQUIREMENTS OF 30 OR 15250(3) & (5) (CONSTRUCTION IN FILL).

ELEVATIONS SHOWN ON THIS PLAN ARE BASED ON ASSUMED DATUM.

MAGNETIC LOCATION TYPE TO BE PLACED OVER SEPTIC SYSTEM COMPONENTS IN ACCORDANCE WITH 310 OR 1522(12).

Requested Variances

NO VARIANCES REQUESTED FOR THIS INSTALLATION.

Design Data

Average Daily Sewage Flow (gallons)
 Existing 1 Bedroom Dwelling
 Proposed 3 Bedroom Dwelling @ 110 GPD PER BEDROOM = 330 GPD

Septic Tank Sizing (gallons)
 3 BEDROOM (15250(3)) = 660 GALLONS
 3 BEDROOM HOSE REQUIRES 1500 GALLON TANK (PREFERRED).

Leaching Area Calculation

50L CLASS 1 (SAND)
 PERC IN TP 1 WAS 3.7%
 PERC IN TP 2 WAS 5.1%
 DESIGN FOR 3 TP IN 15" TILE V

Required Minimum Leaching Area

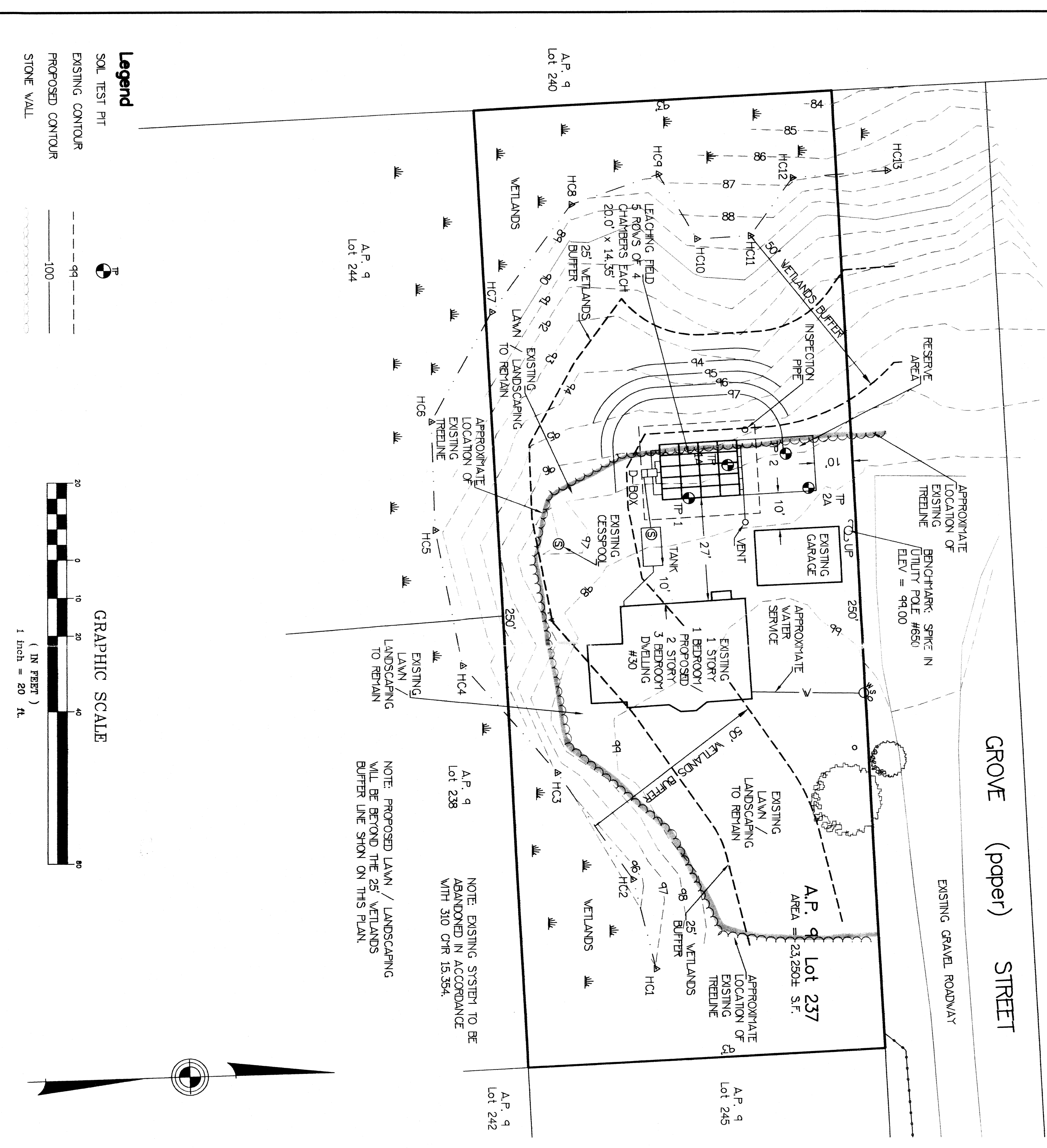
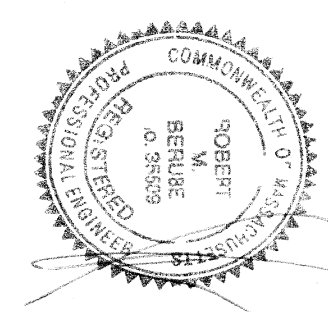
AP = 330 GPD / 0.74 = 446 SF MINIMUM
 TPIN: OPEN BOTTOM LEACHING CHAMBERS
 446 SF / 480 SF/TF OF CHAMBER = 0.9 TF OF CHAMBERS
 5 ROWS OF 4 CHAMBERS @ 5.0 TF EACH = 100 LF OF CHAMBERS
 DESIGN = 100 LF > REQUIRED = 93 LF OK

Septic System Design Plan

A.P. 9 Lot 237
 30 Grove Street, Seekonk, Massachusetts
 PREPARED FOR
Victor Dasiva
 57 Jillion Way, Westport, Massachusetts 02790

PREPARED BY
Pro-Line Engineering, Inc.
 City/Environmental Engineering & Land Surveying
 190 CHAMBERS NECK ROAD, SWANSEA, MA 02777
 PHONE 508/672-3337 FAX 508/672-3307
 EMAIL: PROLINEENR@COMCAST.NET

Date: August 8, 2012
 Revised: September 17, 2012
 Scale: 1" = 20'
 Con Com Comments



1080B11 SOIL EVALUATION LOG
 30 Grove Street
 30 Grove Street
 30 Grove Street

DEPTH OBSERVATION HOLE LOG	DEPTH OBSERVATION HOLE LOG
Date: 08/28/12 Time: 9:00 Observer: J. Sweeney Start Time: 9:30 End Time: 10:18 Time at 12": 9:50 Time at 6": 10:05 Time at 0": 10:18 Rate (in./min): 3	Date: 08/28/12 Time: 9:00 Observer: J. Sweeney Start Time: 9:30 End Time: 10:18 Time at 12": 9:50 Time at 6": 10:05 Time at 0": 10:18 Rate (in./min): 3

1080B12 PERCOLATION TEST
 30 Grove Street
 30 Grove Street
 30 Grove Street

PERCOLATION TEST
Date: 08/28/12 Time: 9:00 Observer: J. Sweeney Start Time: 9:30 End Time: 10:18 Time at 12": 9:50 Time at 6": 10:05 Time at 0": 10:18 Rate (in./min): 3

Soil Report & Test Data

SEP 17 2012

RECEIVED

SEP 17 2012

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