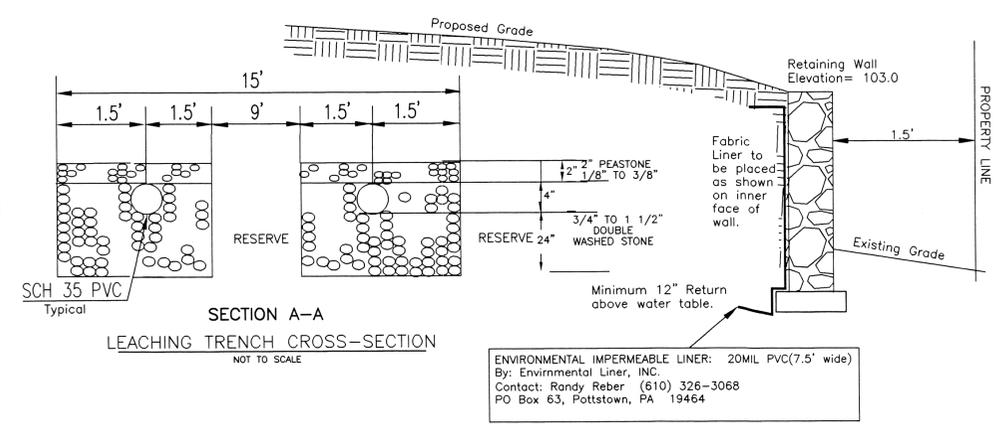


SEPTIC SYSTEM PROFILE

NOT TO SCALE

CONTRACTOR TO INSTALL AN ISO BIOTUBE EFFLUENT FILTER BY ORENCO SYSTEMS INC. CONTACT: SANECO, INC. 508-768-3840 HANDLE TO BE EXTENDED TO WITHIN 6" OF COVER. TUBE IS TO BE WASHED DOWN AT TIME OF PUMPING.

FABRIC INSTALLATION NOTES:
 1. Liner is to be placed on inside face of the entire retaining wall as shown in Section A-A.
 2. Liner is to have a minimum 12" return above the groundwater table.



SECTION A-A LEACHING TRENCH CROSS-SECTION

NOT TO SCALE

ENVIRONMENTAL IMPERMEABLE LINER: 20MIL PVC(7.5' wide)
 By: Environmental Liner, INC.
 Contact: Randy Reber (610) 326-3068
 PO Box 63, Pottstown, PA 19464

SWING TIE LOCATION OF SYSTEM COMPONENTS

SYSTEM COMPONENT	DISTANCE FROM POINT A	DISTANCE FROM POINT B	DISTANCE FROM POINT C	DISTANCE FROM POINT D
SEPTIC TANK				
DISTRIBUTION BOX				
BEND IN PIPE				
END SOUTH TRENCH				
END OF NORTH TRENCH				

AS BUILT LEACHING FIELD DIMENSIONS AND AREA
 DESIGN = 2(TRENCHES) (3'+2'+2') x 34' = 476 SF
 AS-BUILT = _____ SF

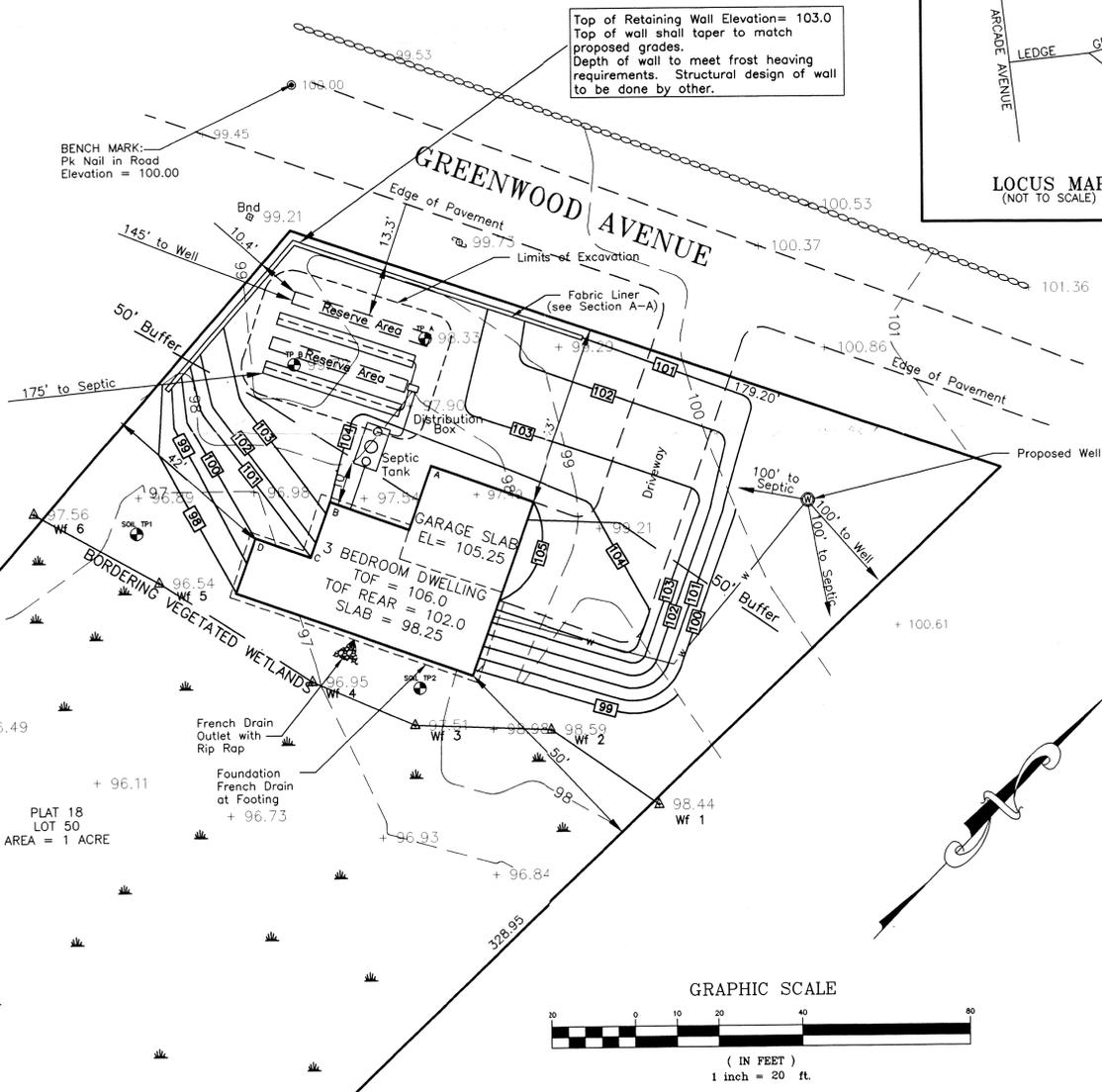
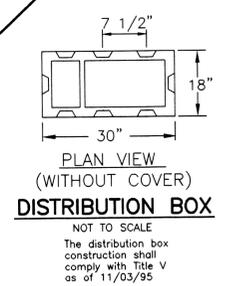
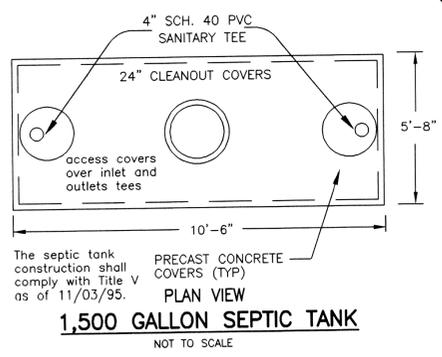
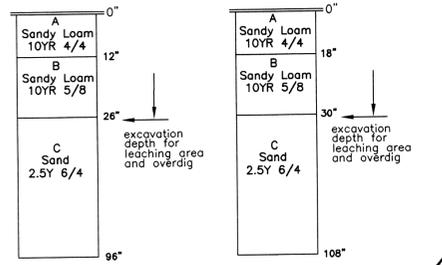
TABLE OF INVERT ELEVATIONS FOR DESIGN AND AS-BUILT

SYSTEM COMPONENT	PLAN ELEVATION	AS-BUILT ELEVATION
SEPTIC TANK PIPE IN	102.55	
SEPTIC TANK PIPE OUT	102.30	
DISTRIBUTION BOX PIPE IN	102.15	
DISTRIBUTION BOX PIPE OUT	101.95	
PIPE AT START TRENCH	101.95	
PIPE AT END OF TRENCH	101.75	

TEST PIT DATA

PERFORMED BY: DARREN MICHAELIS, CSE
 WITNESSED BY: SEEKONK BOARD OF HEALTH AGENT
 DATE PERFORMED: 12/11/97

TEST PIT #1	TEST PIT #2
GROUND ELEV. = 98.33	GROUND ELEV. = 99.72
GROUND WATER ELEV. = 93.33	GROUND WATER ELEV. = 95.72
BOTTOM OF TEST PIT = 90.33	BOTTOM OF TEST PIT = 91.72
PERC TEST ELEV. = 94.33	PERC TEST ELEV. = 95.72
PERC RATE = 6 MIN./INCH	PERC RATE = 6 MIN./INCH



SITE PLAN

LEGEND

- SEPTIC TANK
- DISTRIBUTION BOX
- EXISTING CONTOURS
- PROPOSED CONTOURS
- TEST PIT
- PERCOLATION TEST

DESIGN CRITERIA:

- TYPE OF ESTABLISHMENT: 3 BEDROOM SINGLE FAMILY DWELLING
- NO ADDITIONAL CAPACITY HAS BEEN PROVIDED FOR GARBAGE GRINDERS.
- DESIGN FLOW: 3 BEDROOMS X 110 GAL./BEDROOM = 330 GPD
- SEPTIC TANK CAPACITY REQUIRED: 1,500 GALLONS
- SEPTIC TANK CAPACITY PROVIDED: 1,500 GALLONS
- DESIGN PERCOLATION RATE: 6 MIN./IN
- LEACHING CAPACITY REQUIRED: 330 GPD
- LEACHING CAPACITY PROVIDED: (3'+2'+2') = 7 sf/ft x 34' = 238 sf
238 sf x 2(Trenches) = 476 sf x .7 gpd/sf = 333 gpd

NOTES:

1. ALL CHANGES TO THIS PLAN MUST BE APPROVED BY THE BOARD OF HEALTH AND MOUNT HOPE ENGINEERING
 2. ALL WORK AND MATERIALS SHALL CONFORM TO THE REQUIREMENTS OF TITLE 5 OF THE STATE ENVIRONMENTAL CODE AND ANY APPLICABLE LOCAL RULES AND REGULATIONS
 3. ANY CONDITIONS ENCOUNTERED DURING CONSTRUCTION DIFFERING FROM THOSE SHOWN HEREON SHALL BE REPORTED TO MOUNT HOPE BEFORE CONSTRUCTION CONTINUES.
 4. ALL ELEVATIONS BASED ON ASSUMED VERTICAL DATUM.
 5. MOUNT HOPE ENGINEERING IS NOT RESPONSIBLE FOR THE FAILURE OF THE CONTRACTOR OR OWNER TO NOTIFY THE BOARD OF HEALTH AND/OR MOUNT HOPE ENGINEERING FOR PROPER INSPECTIONS DURING CONSTRUCTION.
 6. INSPECTIONS FOR CONSTRUCTION SHALL BE AS FOLLOWS:
 A. AT THE COMPLETION OF THE EXCAVATION FOR THE SEWAGE DISPOSAL SYSTEM.
 B. AFTER STONE AND DISTRIBUTION PIPES ARE IN BUT PRIOR TO FINAL
 7. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE UTILITIES AND NOTIFY DIG SAFE BEFORE PROCEEDING WITH CONSTRUCTION.
 8. WITHIN THE LIMITS OF EXCAVATION, REPLACE ALL MATERIAL DOWN TO DEPTHS INDICATED ON THE SOIL PROFILE WITH CLEAN GRANULAR SAND, FREE FROM ORGANIC MATTER AND DELETERIOUS SUBSTANCES. MIXTURES AND LAYERS OF DIFFERENT CLASSES OF SOIL SHALL NOT BE USED. THE FILL SHALL NOT CONTAIN ANY MATERIAL LARGER THAN 2". A SIEVE ANALYSIS MUST MEET THE SPECIFICATIONS GIVEN BELOW.
- | SIEVE SIZE | EFFECTIVE PARTICLE SIZE | % THAT MUST PASS SIEVE |
|------------|-------------------------|------------------------|
| #4 | 4.75 mm | 100% |
| #50 | 0.30 mm | 10% - 100% |
| #100 | 0.15 mm | 0% - 20% |
| #200 | .075 mm | 0% - 5% |
9. ALL PROPERTY LINE LAY-OUTS WERE TAKEN FROM PROVIDED PLOT PLANS AND ARE NOT THE RESULT OF A PROPERTY LINE SURVEY.

PREPARED FOR: CHAVES PROPERTIES
 351 BEDFORD ROAD
 FALL RIVER, MA 02723

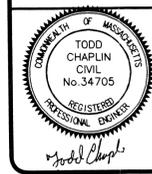
69-379

REVISED 3/26/98 PER CONSERVATION COMMISSION AND NEW SOIL LOGS BY BOTANIST

SUBSURFACE SEWAGE DISPOSAL SYSTEM

PREPARED FOR: JOE CHAVES
 GREENWOOD AVENUE, LOT 50
 SEEKONK, MA

SCALE: AS NOTED
 DATE: 1/27/98
 DRAWN: DJM
 DESIGN: DJM
 CHECKED: TC



Mount Hope ENGINEERING
 CIVIL/ENVIRONMENTAL SERVICES
 163 G.A.R. HIGHWAY
 Swansea, MA 02777
 Phone (508) 677-3936

PROJECT NO.
 97-623B
 SHEET NO.
 1 OF 1