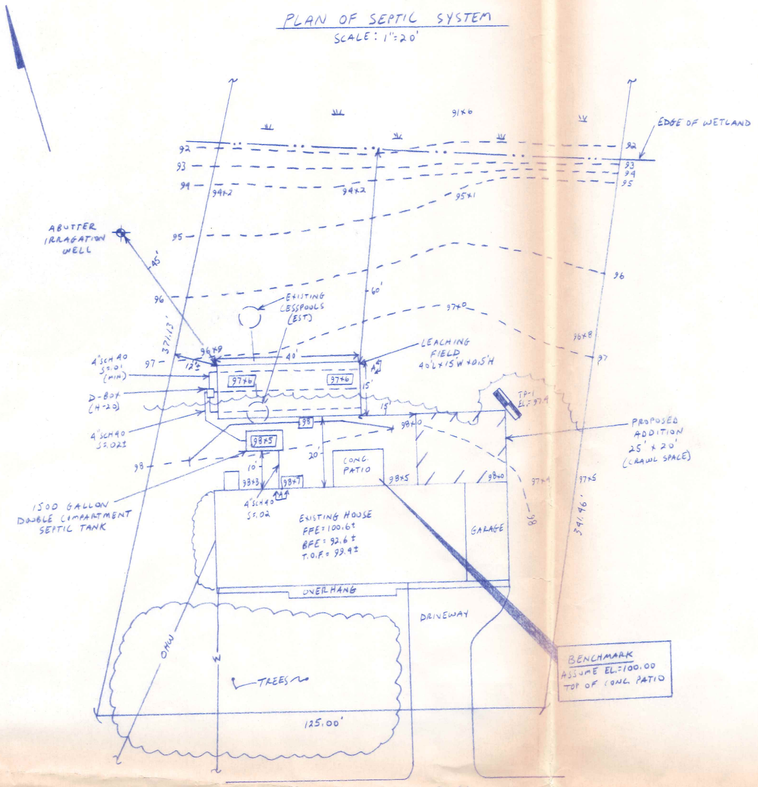
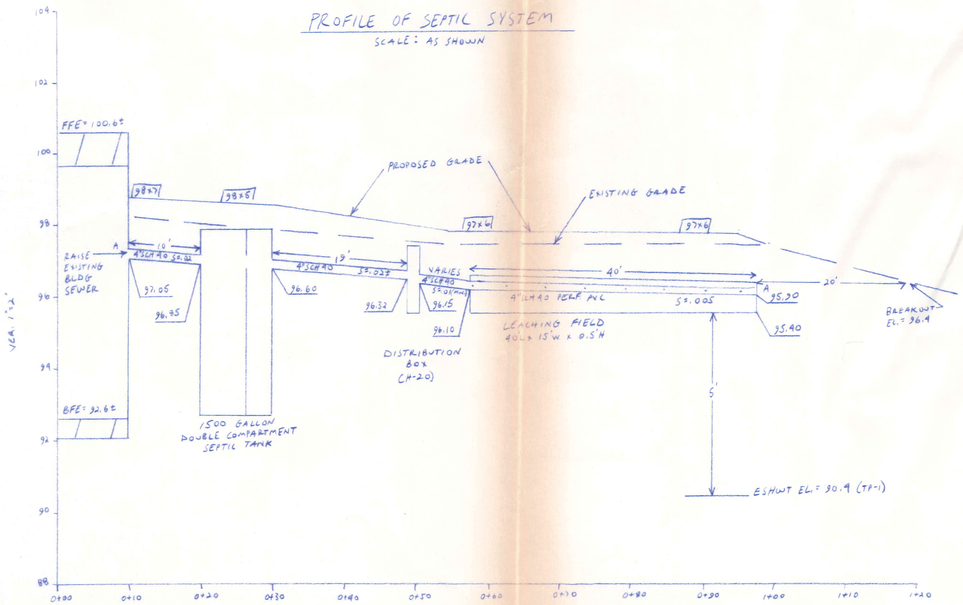
PLAN OF SEPTIC SYSTEM

SCALE: 1"=20'



PROFILE OF SEPTIC SYSTEM

SCALE: AS SHOWN



TEST PIT DATA

Performed By: Daniel B. Johnson

Witnessed By: John Jacobi

Date: March 17, 2004

TP-1 (EL. = 97.4)

0" - 8" A, 10YR4/3 Sandy loam
8" - 21" Bw, 10YR5/8 Sandy loam
21" -108" C1, 10YR4/4 Medium-coarse sand
84" Observed ESHWT (2.5Y6/2)
100" Observed Groundwater

PERCOLATION TEST DATA

Date: March 17, 2004

Soil Class: Class I (0.74 G/SF)

Perc Rate: < 2 MPI (TP-1)

Depth of Perc Test: 21" - 39" (TP-1)

SCHEDULE OF ELEVATIONS

Inv. Out Foundation	97.05
Inv. In Septic Tank	96.85
Inv. Out Septic Tank	96.60
Inv. In Distribution Box	96.32
Inv. Out Distribution Box	96.15
Inv. Begin of Leaching Field	96.10
Inv. End of Leaching Field	95.90
Bottom of Leaching Field	95.40
ESHWT (TP-1)	90.4

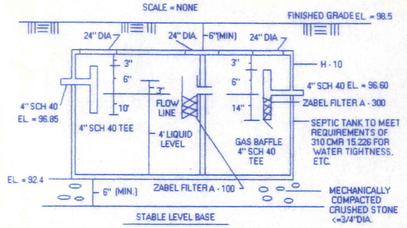
LEGEND

Existing Contour	- - - 98 - - -
Proposed Contour	98
Test Pit	
Finished Floor Elevation	FFE
Basement Floor Elevation	BFE
Water Line	W

1500 GALLON DOUBLE COMPARTMENT SEPTIC TANK

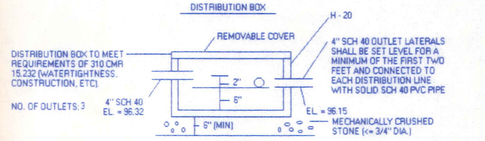
SHEA: MODEL TK-1500DC

SCALE = NONE



SEPTIC TANK DIMENSIONS: 10' 6"L X 5' 8"W X 5'6"H

DISTRIBUTION BOX



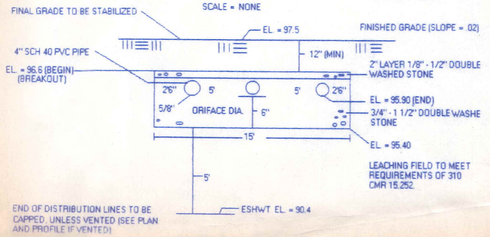
LENGTH OF LEACHING LINE: 40'

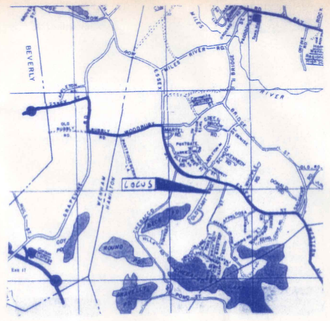
LEACHING FIELD "END" CROSS SECTION

SCALE = NONE

NO. OF ACTUAL DISTRIBUTION LINES: 3

LEACHING FIELD DIMENSIONS: 40' X 15' W X 0.5'H





NOTES

1. All construction methods shall conform to the Title V (310 CMR 15) and the Hamilton Board of Health Regulations.
2. There are no known private or public wells within 150 feet/400 feet, respectively, of the proposed leaching area. There is no wetland within 100 feet of the proposed leaching area, nor is the proposed leaching area within 200 feet of a riverfront. The proposed leaching area is not within 150 feet of the ECAC.
3. Existing cesspools to be pumped and removed prior to installing the new septic tank.
4. No changes are to be made in the field without the approval of the Board of Health and the design engineer.
5. Proposed leaching field is not designed for use with garbage disposal.
6. Contractor to notify Dig Safe 72 hours prior to construction. (800) 344-7233.
7. Property line information taken from deed, Book 15560, page 227 and Certified Land #30115, Lot 8, Sheet 1. The septic plan is not to be used as a property line survey.
8. Contractor shall verify all plumbing from existing structure will be connected to the new septic system prior to construction. If any existing plumbing exiting the structure is found to be different the that shown on the approved septic system plan, the contractor shall notify the designer. All internal plumbing shall be connected to new septic system, unless otherwise specified.

CALCULATIONS:

4 Bedrooms (existing)
110 GPD/Bedroom X 4 Bedrooms = 440 GPD
Percolation Rate - < 2 MPI (TP-1)
Soil Class: Class I(0.74 G/SF)

PROPOSED LEACHING AREA:

Leaching Field: 40'L x 15'W x 0.5'H
Bottom Area: 600 SF X 0.74 G/SF = 444 GPD
Total Leaching Capacity: 444 GPD

RECEIVED
MAY 5 2004

APPROVED BY
BOARD OF HEALTH
HAMILTON, MASS.
5/7/04

DANIEL BENJAMIN JOHNSON NO. 9771 REGISTERED SANITARIAN

4/6/04

SUBSURFACE SEWAGE DISPOSAL SYSTEM
18 Old Cart Road, Hamilton

SCALE: As Shown	APPROVED BY:	DRAWN BY	
DATE: 4/6/04	Daniel B Johnson	REVISED	
Prepared For:	Robert Jenner (978) 468-2048 18 Old Cart Road, Hamilton, MA 01982		
Prepared By:	DOMESTIC SEPTIC DESIGN, INC. (508) 420-1904 P.O. Box 831, Osterville, MA 02655	DRAWING NUMBER	J-1048