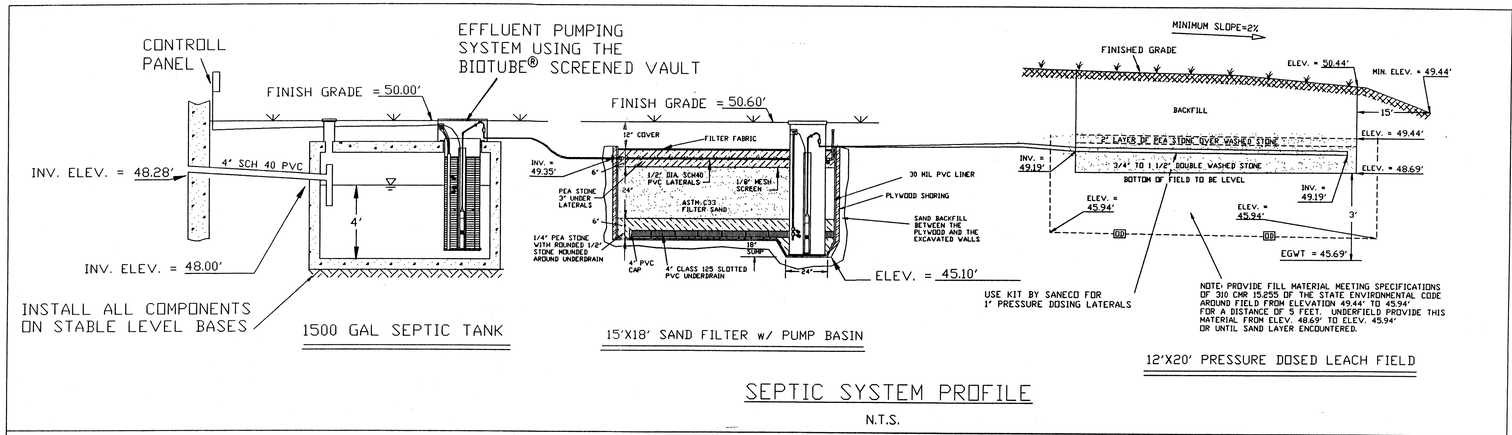
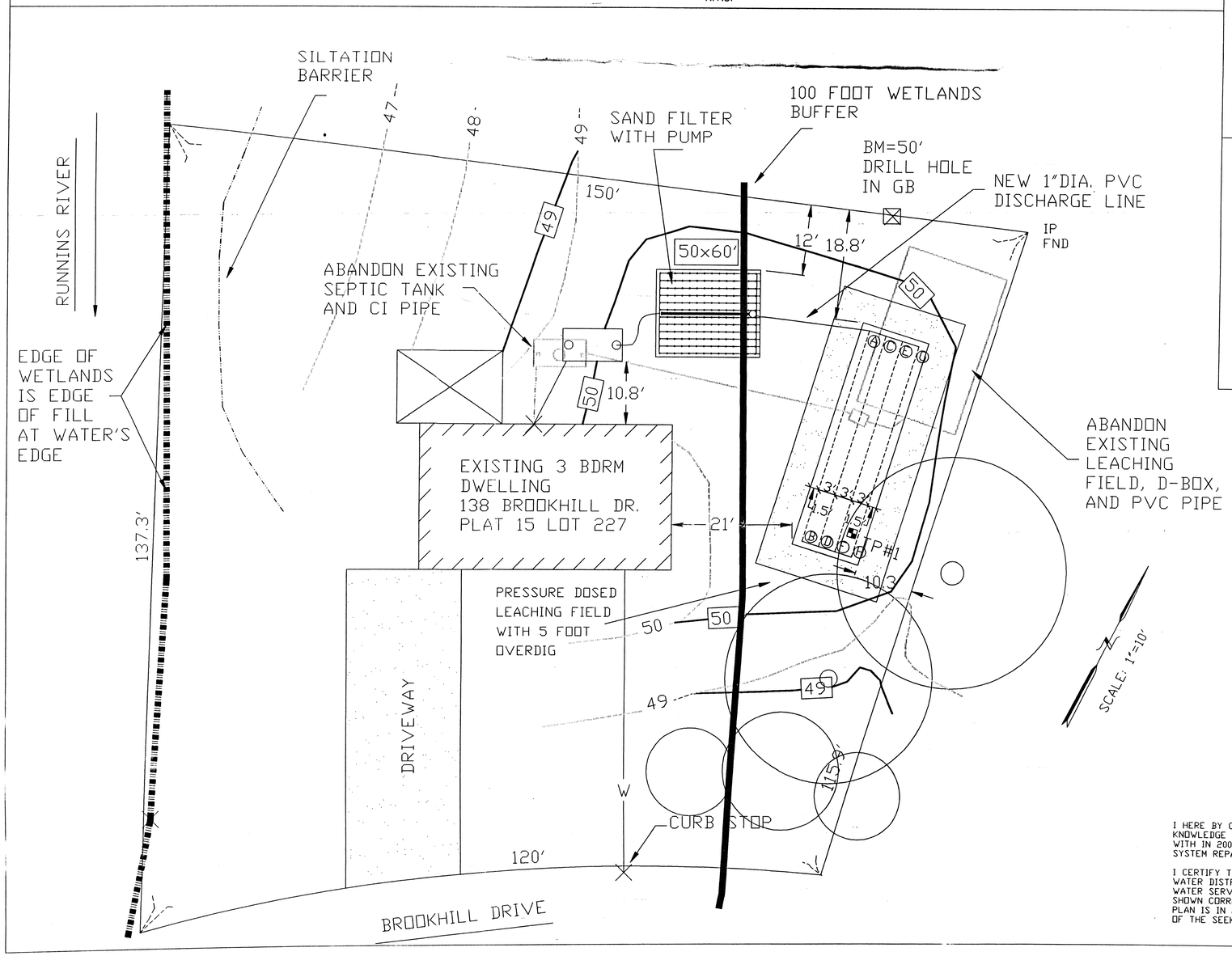


SEPTIC SYSTEM PROFILE

N.T.S.



GENERAL NOTES

1. COMPONENT DETAILS ARE PROVIDED BY SAND FILTER DISTRIBUTOR SANECO. Inc. ADVANCED SANITATION TECHNOLOGY BOX 9B, 65 EASTERN AVE. ESSEX, MA 01929 508/768-3840
2. ALL CONSTRUCTION SHALL CONFORM TO THE TOWN OF SEEKONK BOARD OF HEALTH RULES AND REGULATIONS AND TITLE 5, THE STATE ENVIRONMENTAL CODE.
3. THIS PLAN IS TO BE USED ONLY FOR THE CONSTRUCTION OF THE DESIGN DISPOSAL SYSTEM AND DOES NOT REPRESENT ACTUAL AS BUILT CONDITIONS UNLESS OTHERWISE NOTED.
4. THE PROPOSED SYSTEM SHOWN HEREON IS NOT DESIGNED FOR THE USE OF A GARBAGE DISPOSAL AND SAID USE IS NOT ALLOWED.
5. THE SEPTIC TANK SHOULD BE PUMPED OUT EVERY ONE TO TWO YEARS DEPENDING ON USE.
6. ALL SHALLOW STONE IN FIELD MUST HAVE LESS THAN 0.2 PERCENT MATERIAL FINER THAN A NUMBER 200 SIEVE AS DETERMINED BY THE A.A.S.H.T.O. (AS MOST RECENTLY AMENDED) AND BE DOUBLE WASHED.
7. TIGHT JOINT PIPING TO CONSIST OF POLYVINYL CHLORIDE PIPE (PVC) SCHEDULE 40, UNLESS OTHERWISE NOTED.
8. NO PERMANENT STRUCTURE MAY BE CONSTRUCTED OVER THE CONSTRUCTION AREA.
9. THE OVERDIG AREA [OD] AS SHOWN HEREON IS TO BE STRIPPED OF ALL TREES, BRUSH, STUMPS, TOPSOIL, PEAT OR OTHER IMPERVIOUS MATERIALS. THE CLEARING AREA EXTENDS 5 FEET IN ALL DIRECTIONS AROUND THE PROPOSED SYSTEM. THE REPLACEMENT MATERIAL SHALL BE A CLEAN COARSE GRANULAR MATERIAL FREE FROM CLAY, FINES, DUST, ORGANIC MATTER, LARGE STONES, MASONRY, STUMPS, FROZEN CLUMPS OF EARTH, WOOD, TREE BRANCHES AND WASTE CONSTRUCTION MATERIALS, AND HAVE A PERCOLATION RATE OF LESS THAN 2 MINUTES PER INCH BEFORE AND AFTER PLACEMENT. THE ABOVE - MENTIONED REPLACEMENT MATERIAL SHALL EXTEND 5 FEET IN ALL DIRECTIONS AROUND SAID SYSTEM. (SEE PLAN AND PROFILES)
10. BEFORE BEGINNING ANY EXCAVATION OR DEMOLITION CALL 'DIG SAFE' AT 1-800-322-4844 TO NOTIFY MEMBER UTILITIES.

DEEP OBSERVATION HOLE

HOLE: #1 DATE: 11/25/97
SOIL DEPTH, HORIZON, & TEXTURE:

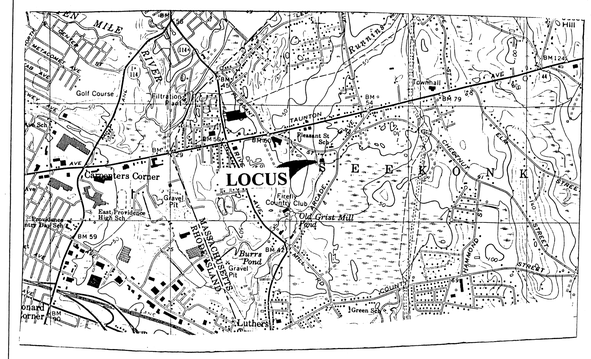
0'-7'	A	LOAM
7'-14'	B	SAND
14'-31'	--	FILL
31'-42'	Ap	LOAM
42'-45'	B	SAND
45'-120'	C	SAND

SURFACE EL.: 49.69'
EST. SEASONAL HIGH GROUND WATER: 48'
WEEPING WATER EL.: 67'
STANDING WATER EL.: 67'
BEDROCK EL.: NONE OBSERVED

TOWN AGENT: HAROLD CHENEVERT, Jr.
SOIL EVALUATOR: DEAN MONSEES

LOCUS MAP

SCALE: 1"=2000'



PERCOLATION TESTS

PERCOLATION TEST #: 1 DATE: 11/25/97
PERCOLATION RATE: 2 MIN./IN.
DEPTH OF PERC: 46'

DESIGN PERCOLATION RATE: 2 MINS. PER INCH

BENCH MARKS

BM # 1 ASSUMED DATUM: 50.00'
DESCRIPTION: DRILL HOLE IN GRANITE BOUND AS SHOWN ON SITE PLAN

DESIGN CALCULATIONS

FLOW:
(3 BDRM)(110GPD/BDRM) = 330GPD -- 660 PEAK

SEPTIC TANK:
USE 1500 GAL > 660 GAL

LEACHING FIELD:
RATE = 1.35SF/GPD FOR PERC = 2 MINS/IN (CLASS I SOIL)
MINIMUM SIZE: (330GPD)(1.35SF/GPD) = 446SF
USE 12'X40' = 480SF > 446 SF

DESIGN ELEVATIONS

HOUSE ELEVATIONS:
BUILDING SEWER AT FOUNDATION: 48.28'

SEPTIC TANK:
SIZE OF SEPTIC TANK: 1500 GALLONS
INLET: 48.00' OUTLET: 2' DIA PRESSURE LINE

INTERMITTENT SAND FILTER
MAINTAIN COVER AS PER DESIGN SPECIFICATIONS

PRESSURE DOSING LATERAL INVERTS:

(A) 49.19'	(B) 49.19'
(C) 49.19'	(D) 49.19'
(E) 49.19'	(F) 49.19'
(G) 49.19'	(H) 49.19'

LEGEND

TEST PIT
SAND FILTER
SEPTIC TANK
WATER LINE
PERFORATED PIPE
CAST IRON PIPE
EXISTING GRADE
PROPOSED GRADE

I HERE BY CERTIFY THAT TO THE BEST OF MY KNOWLEDGE THERE ARE NO WATER WELLS WITH IN 200 FEET OF THE PROPOSED SEPTIC SYSTEM REPAIR.

I CERTIFY THAT I HAVE CONTACTED THE SEEKONK WATER DISTRICT FOR THE LOCATION OF THE EXISTING WATER SERVICE CURB STOP TO LOT 227 AND IT IS SHOWN CORRECTLY. THE WATER SERVICE SHOWN ON THIS PLAN IS IN ACCORDANCE WITH THE RULES AND REGULATIONS OF THE SEEKONK WATER DISTRICT.

SEWAGE DISPOSAL SYSTEM

LOT NUMBER: 227 AREA OF LOT: 16,181SF ASSESSORS MAP: 15
LOT ADDRESS: 138 BROOK HILL DRIVE
IN
SEEKONK, MA
PREPARED FOR:

RAYMOND & LISA JACKSON
138 BROOK HILL DRIVE
SEEKONK, MA 02771

SCALE: AS SHOWN
DATE: JANUARY 20, 1998
REVISIONS: JULY 16, 1998
SAS SIZE INCREASE TO 100% CODE MINIMUM

DESIGNED BY: DEAN R. MONSEES
JOB NO: 98-105
FILE: 138BKHSF.PLT
PAGE 1 OF 2

69-381

OSD engineering & associates
CIVIL ENGINEERS
62 WATSON STREET
SEEKONK, MA 02771
(508) 336-3903
OSD

Received 6/24/99 from J.R
Chgs to septic per DEP (Enlarged)