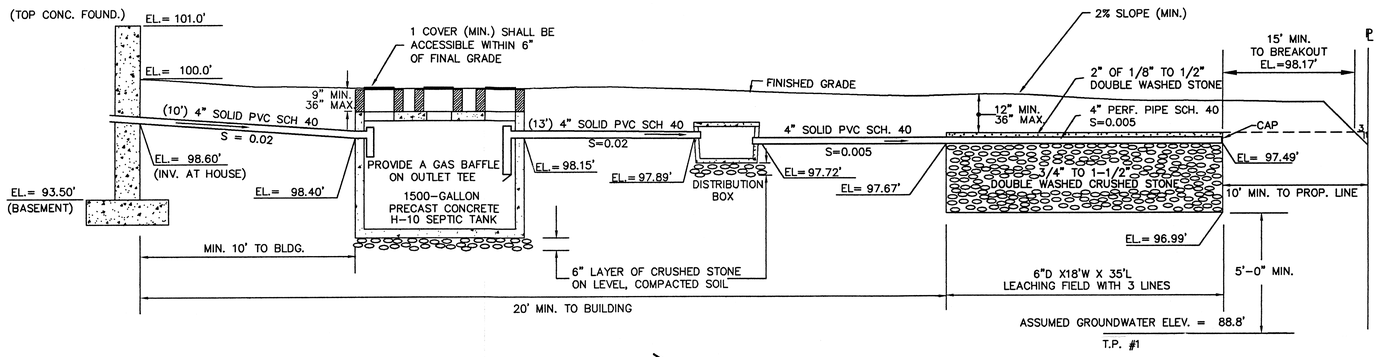
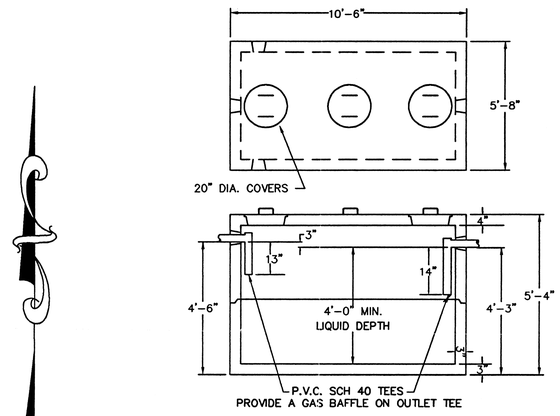


SEPTIC SYSTEM PROFILE

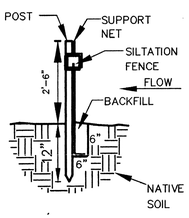
N.T.S.



1500 GAL. SEPTIC TANK H-10

NOTES:

1. SITE IS NOT LOCATED IN A WATER SUPPLY PROTECTION AREA.
2. PLAN IS SUBJECT TO INSTALLATION OF PUBLIC WATER SERVICE TO BE INSTALLED ON CASE AVE. BY APPLICANT PER LOCAL REGULATIONS.
3. HATCHED AREAS OF SOIL STRATA LOG ARE TO BE REMOVED AND REPLACED. (SEE NOTE #16)
4. CONTRACTOR IS TO VERIFY EXISTING UTILITY LOCATIONS PRIOR TO EXCAVATION.



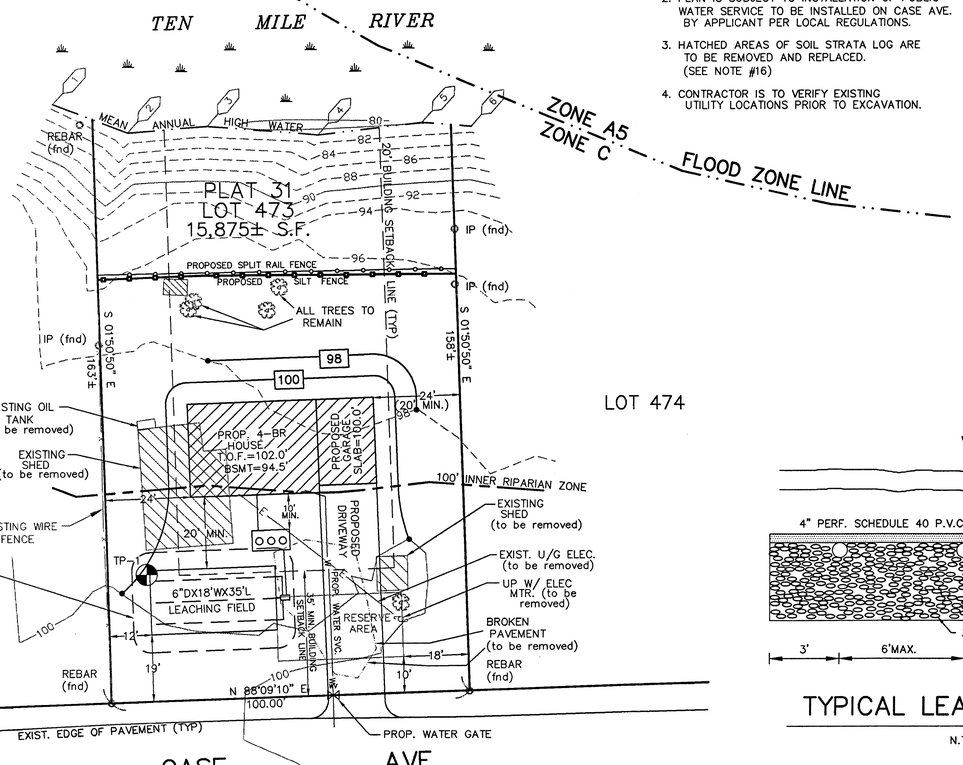
SILTATION FENCE DETAIL

NOT TO SCALE

EXISTING WELL (182' TO PROP. LEACHING FIELD)

RIVERFRONT AREA

TOTAL AREA = 15,875 S.F.
PROPOSED ALTERATION = 9,491 S.F.
S.F. WITHIN 100' = 3,672 S.F.
S.F. BETWEEN 100' & 200' = 5,819 S.F.



LIMIT OF 5' REMOVE AND REPLACE. THE INSTALLER SHALL PROVIDE THE DESIGN ENGINEER WITH THE RESULTS OF THE SIEVE ANALYSIS BEFORE THE AS-BUILT CERTIFICATION WILL BE RELEASED. (SEE NOTE 16 d)

A DEEP HOLE IS TO BE DUG AT TIME OF CONSTRUCTION TO VERIFY SOIL CONDITIONS AND WATER TABLE. THE DEEP HOLE IS TO BE WITNESSED BY OUTBACK ENGINEERING, INC.

NO WELLS ARE LOCATED WITHIN 100' OF PROPOSED LEACHING FIELD

LOCATION OF UTILITIES IS APPROXIMATE AND CONTRACTORS SHALL NOTIFY DIGSAFE (1-888-344-7233) AT LEAST 72 HOURS PRIOR TO THE ONSET OF CONSTRUCTION TO HAVE ALL EXISTING UTILITIES LOCATED AND CLEARLY MARKED.

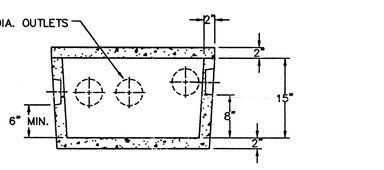
T.P. #1

DEPTH		ELEV.
0		98.8'
12"	FILL	97.8'
15"	Ap HORIZON SANDY LOAM 10YR 3/3	97.6'
36"	Bw HORIZON SANDY LOAM 10YR 4/6	95.8'
48"	C HORIZON COARSE SAND 2.5Y 4/3	
120"	NO WATER NO MOTTLES	88.8'

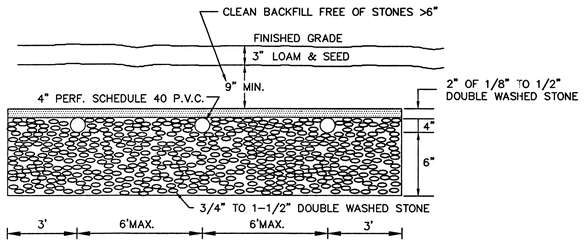
PERC. RATE : <2 M.P.I.
DATE OF TEST : 2/11/97
B.O.H. AGENT : J.R. CHENEVERT
SOIL EVALUATOR: ALLAN SHEAR

SOIL STRATA LOGS

ZONING
R1
LOT AREA . . . . . .14,400 S.F
LOT FRONTAGE . . . .100 FT.
FRONT SET-BACK . . .35 FT.
REAR-YARD SETBACK . .25 FT.
SIDE YARD SETBACK . .20 FT.



DISTRIBUTION BOX

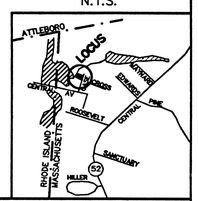


TYPICAL LEACHING FIELD

N.T.S.

LOCUS MAP

N.T.S.



OWNER:
HENRY V. GENEST
92 BARBURY DRIVE
SEEKONK, MA 02771

APPLICANT:
STONEHEDGE BLDRS.
P.O. BOX 4070
ATTLEBORO, MA 02703

1. ELEVATIONS REFER TO ASSUMED
2. BENCH MARK ELEV.=101.16' NAIL IN UP#7592
3. ESTIMATED DAILY FLOW 4 BEDROOMS X 110 GALLONS PER BEDROOM PER DAY = 440 GALLONS PER DAY.
4. SEPTIC TANK REQ'D CAPACITY = 1500 GALLONS
5. LEACHING AREA REQUIREMENTS: USE <5 M.P.I. EFFLUENT LOADING RATE = 0.74 GPD/S.F. (CLASS I) WITH A FIELD
   AREA REQ'D = 440 GPD ÷ 0.74 GPD/S.F.
   = 595 S.F.
6. LEACHING AREA PROVIDED:
   USE A FIELD 6"D X 18'W X 35'L
   AREA PROV. = 18'W X 35'L = 630 S.F.
   CAP. PROV. = 630 S.F. X 0.74 GPD/S.F.
   = 466 GPD
7. HEAVY GRADING MACHINERY SHALL NOT BE PERMITTED TO PASS OVER LEACHING AREAS.
8. ALL CONSTRUCTION TO CONFORM TO THE REQUIREMENTS OF THE MASSACHUSETTS DEPT. OF ENVIRONMENTAL PROTECTION SANITARY CODE, TITLE 5, AND THE TOWN OF SEEKONK BOARD OF HEALTH.
9. PERCOLATION DATA

	PERC RATE	DEPTH OF TEST	DATE
TP-1	<2 M.P.I.	48" - 66"	2-11-97

10. THIS SYSTEM IS NOT DESIGNED TO ACCOMMODATE A GARBAGE GRINDER.
11. THE FIRST TWO FEET OF EACH LINE EXITING FROM THE "D-BOX" SHALL BE LEVEL.
12. DESIGN ENGINEER TO BE NOTIFIED AT LEAST 48 HOURS PRIOR TO REQUIRED INSPECTIONS.
13. SEPTIC SYSTEM OWNER SHALL HAVE SEPTIC TANK INSPECTED & PUMPED OUT AT LEAST ONCE EACH YEAR AFTER CONSTRUCTION.
14. PROPERTY LINE INFORMATION TAKEN FROM "RIVER VIEW PLAT OF HOUSE LOTS NEAR LEBANON MILLS, SEEKONK, MA. BELONGING TO SAM'L O. CASE, JR." DATED JULY 1893 BY DAVID B. FITTS, C.E.
15. TOPOGRAPHIC INFORMATION TAKEN FROM FIELD SURVEY BY OUTBACK ENGINEERING INC. ON SEPTEMBER 23, 2003.
16. IN AREAS SHOWN ON THE PLAN, ALL TOPSOIL, SUBSOIL AND OTHER IMPERVIOUS MATERIALS SHALL BE REMOVED AND REPLACED WITH A CLEAN GRANULAR SAND, FREE FROM ORGANIC MATTER AND OTHER DELETERIOUS SUBSTANCES, GRADED AS FOLLOWS:
    a. NO MATERIAL LARGER THAN 2 INCHES.
    b. UP TO 45% BY WEIGHT MAY BE RETAINED ON A #4 SIEVE.
    c. OF THE FRACTION PASSING THE #4 SIEVE, THE FOLLOWING CRITERIA APPLY:

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	0.075 mm	0% - 5%

    d. A SIEVE ANALYSIS OF THE MATERIAL SHALL BE PERFORMED TO DETERMINE THAT IT MEETS THE GRADATION REQUIREMENTS NOTED ABOVE. THE INSTALLER SHALL PROVIDE A COPY OF THE SIEVE ANALYSIS RESULTS TO THE DESIGN ENGINEER.

COMMONWEALTH OF MASSACHUSETTS
JAMES A. PAVLIK
CIVIL
NO. 36488
REGISTERED PROFESSIONAL ENGINEER

11-25-03

ASSESSOR'S PLAT 31 LOT 473

REVISIONS			
1	10/22/03	ADD RIVERFRONT AREAS	MLM
1	11/25/03	CON. COMM COMMENTS	MLM
NO.	DATE	DESCRIPTION	BY

LEGEND

- 70 — EXISTING CONTOURS
- 70 — PROPOSED CONTOURS
- 128 EXISTING ELEVATIONS
- 128 PROPOSED ELEVATIONS
- PERC TEST HOLE
- EXISTING MONUMENTS
- GROUND WATER LEVEL
- ADJUSTED WATER LEVEL
- 100 WETLAND FLAG NUMBER

SUBSURFACE SEWAGE DISPOSAL SYSTEM
CASE AVENUE
SEEKONK, MASSACHUSETTS

Received DEC 16 2003 Con. Comm.

OUTBACK ENGINEERING, INC. 69-535
106 WEST GROVE STREET
MIDDLEBORO, MASS. 02346
TEL:1-(508) 946-9231
FAX:1-(508) 947-8873

FEET 20 0 20 40 60

SHEET NUMBER	1 OF 1
SCALE:	1"=20'
DATE:	10/17/03
DRAWING:	OE1147BOH.DWG
DRAWN:	MLM
CHECKED:	AAE

OE-1147