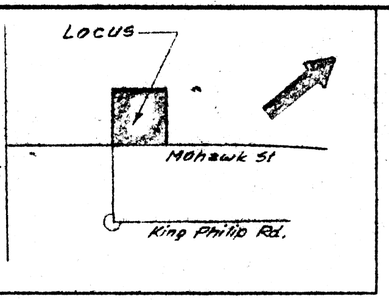
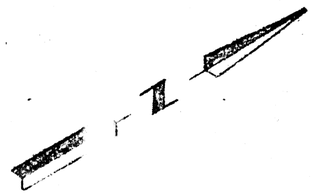
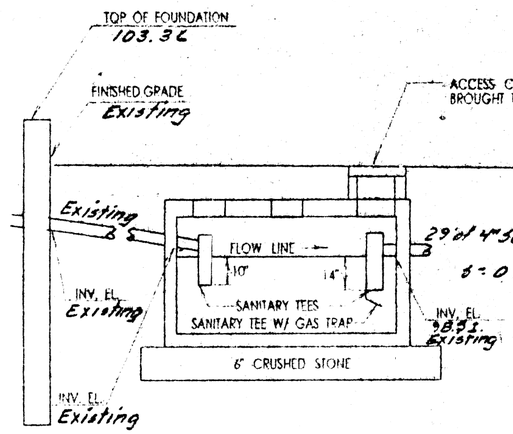


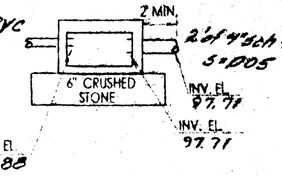
LOCUS MAP (N.T.S.)



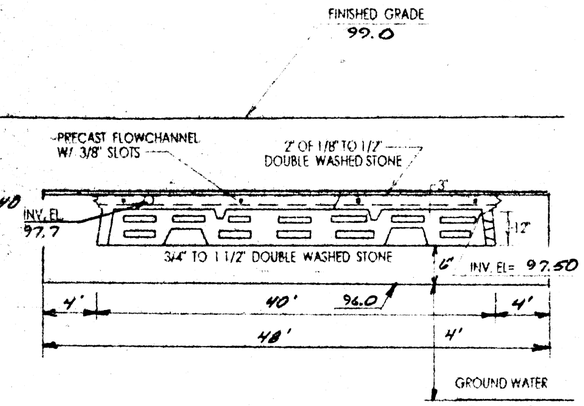
SEPTIC SYSTEM PROFILE
(NOT TO SCALE)



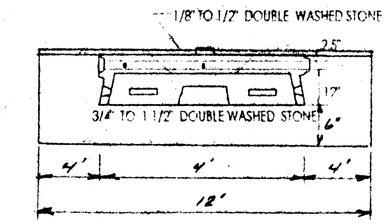
Existing
SEPTIC TANK



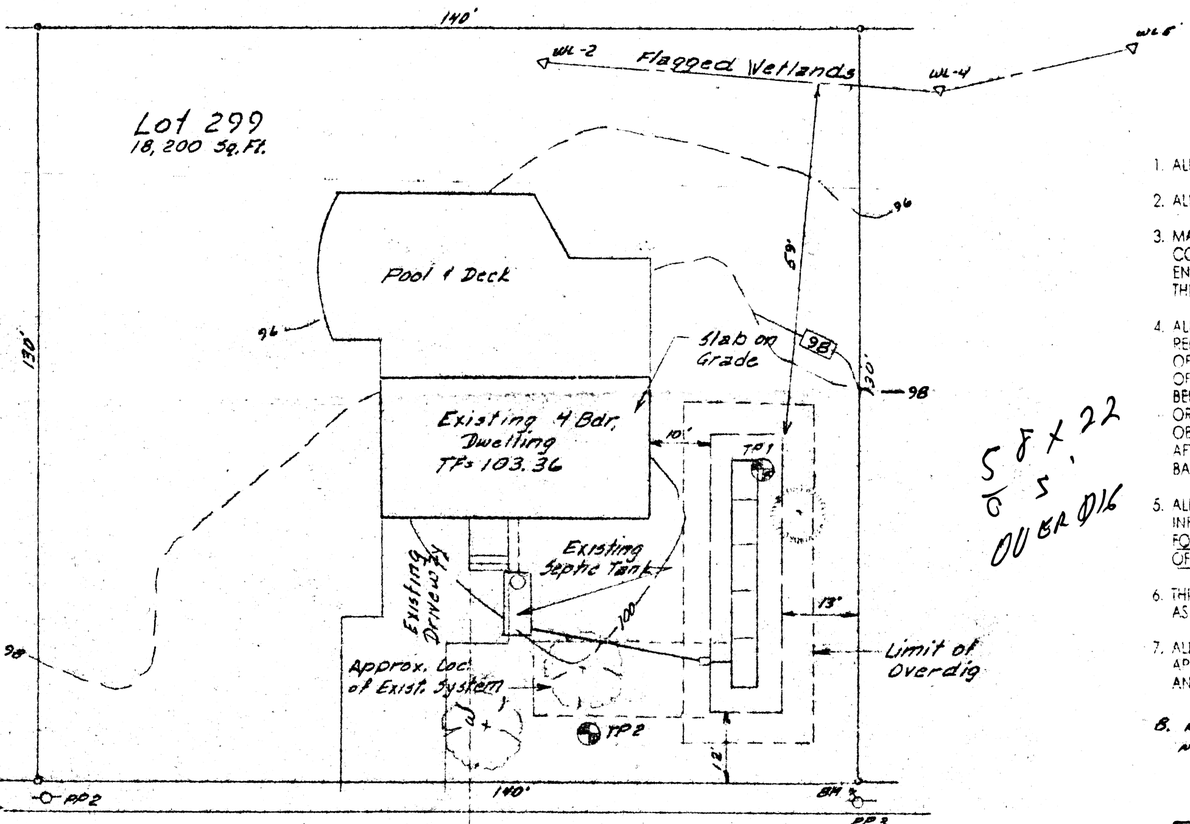
DISTRIBUTION BOX



FLOWDIFFUSORS
Use : 1- 4'x8' D
4 - 4'x8' L



FLOWDIFFUSOR CROSS - SECTION



Mohawk Drive

58 x 22
6 S
OVERDIG

MUST FILE
W CONCOM

NOTES

1. ALL COMPONENTS - ROTONDO PRECAST OR EQUAL
2. ALL PIPE : 4" PVC, SCH 40
3. MATERIALS AND METHODS OF CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF TITLE V, MASS. ENVIRONMENTAL CODE, AND THE REQUIREMENTS OF THE LOCAL BOARD OF HEALTH.
4. ALL TOPSOIL, SUBSOIL AND UNSUITABLE MATERIAL SHALL BE REMOVED AS PER 310 CMR 15.255 (5) FOR A MINIMUM DISTANCE OF 5' LATERALLY FROM ALL SIDES OF THE OUTER PERIMETER OF THE PROPOSED SOIL ABSORPTION SYSTEM AND FROM BENEATH THE SOIL ABSORPTION SYSTEM TO AN ELEVATION OF 90.5 OR UNTIL NATURALLY OCCURRING PERVIOUS MATERIAL IS OBTAINED PER 310 CMR 15.250 AND THE LOCAL B.O.H. OFFICER AFTER THE EXCAVATION IS COMPLETE THE AREA SHALL BE BACKFILLED AS PER 310 CMR 15.255 (3) AND THE LOCAL B.O.H. OFFICE.
5. ALL UTILITIES SHOWN ARE PLOTTED FROM BEST AVAILABLE INFORMATION AND SHALL BE VERIFIED BY THE CONTRACTOR FOR EXACT ELEVATION AND LOCATION PRIOR TO CONSTRUCTION OF THE PROPOSED SEWAGE DISPOSAL SYSTEM.
6. THIS PLAN IS DESIGNED TO MAXIMUM FEASIBLE COMPLIANCE AS PER SEC. 15.404 AND 15.406 OF THE MASS. SANITARY CODE.
7. ALL CHANGES AND VARIATIONS FROM THIS PLAN MUST BE APPROVED, IN WRITING, BY BOTH MILLER ENGINEERING AND THE LOCAL BOARD OF HEALTH.
8. All unused Flowdiffusers outlet ports will be completely filled with grout.

DESIGN DATA

1. DESIGN FLOW: EXISTING 4 BEDROOM, NO GARBAGE GRINDER
   DESIGN FLOW: 4 x 110 GAL/DY / BR. = 440 GAL/DY
2. LEACHING AREA: PERCOLATION RATE = 10 MIN. / IN. SOIL CLASS 2
   DESIGN PERCOLATION RATE = 10 MIN. / IN
   PROVIDE: 5 FLOWDIFFUSORS: 4' WIDE, 8' LONG, 1' DEPTH
3. LEACHING AREA PROVIDED:
   SIDEWALL: FLOWDIFFUSOR: 48' LNG. x 1½' HT. x 2 SIDES = 144 SQ. FT.
   END: FLOWDIFFUSOR: 12' LNG. x 1½' HT. x 2 SIDES = 36 SQ. FT.
   BOTTOM: FLOWDIFFUSOR: 48' LNG. x 12' WIDE = 576 SQ. FT.
   TOTAL AREA PROVIDED = 756 SQ. FT.
4. CAPACITY: 756 SQ. FT. x .60 GAL/SF = 453 GAL/DAY

SOIL DATA

SOIL TEST PERFORMED MAY 4, 1998 BY DAN MONIZ AND WITNESSED BY J. R. CHENEVERT OF THE SEEKONK BOARD OF HEALTH.

5/28/98

APPROVED

Harold E. Chenevert Jr.
Health Agent

TEST PIT 1		TEST PIT 2	
99.2	0	98.6	0
	FINE SANDY LOAM		FILL
98.7	6"	94.1	54"
	FILL		FINE SANDY LOAM
92.7	78"	90.6	96"
	FINE SANDY LOAM		COARSE GRAVELLY SAND
92.0	86"	89.1	114"
	FINE SAND		
90.5	104"		
	VERY GRAVELLY COARSE SAND		
89.2	120"		
PERC. RATE =		PERC. RATE =	
PERC. DEPTH =		PERC. DEPTH =	
G.W. DEPTH = 86" (92.0)		G.W. DEPTH = 86" (91.4)	

PROPOSED REPAIRS TO EXISTING SEWAGE DISPOSAL SYSTEM

LOCATION : 177 MOHAWK DRIVE
SEEKONK, MA

APPLICANT JAMES & VICKI WLILLIAMS
177 MOHAWK DRIVE
SEEKONK, MA

JAMES E. MILLER — No. 31,948 — REGISTERED — PROFESSIONAL ENGINEER

PPEPARED BY
MILLER ENGINEERING
21 BROOK STREET
SEEKONK, MA 02771
Phone / Fax (508) 761-7790

MAY 23, 1998

REVISIONS

CHK. BY:

98-049

LEGEND
- EXIST. CONTOUR
- PROPOSED CONTOUR
- TEST PIT
- PERC HOLE
- PROPOSED SPOT ELEVATION

PLAN
SCALE: 1" = 20'

BENCH MARK
NAIL IN PP#3
ELEV. = 100.00 (Assumed)