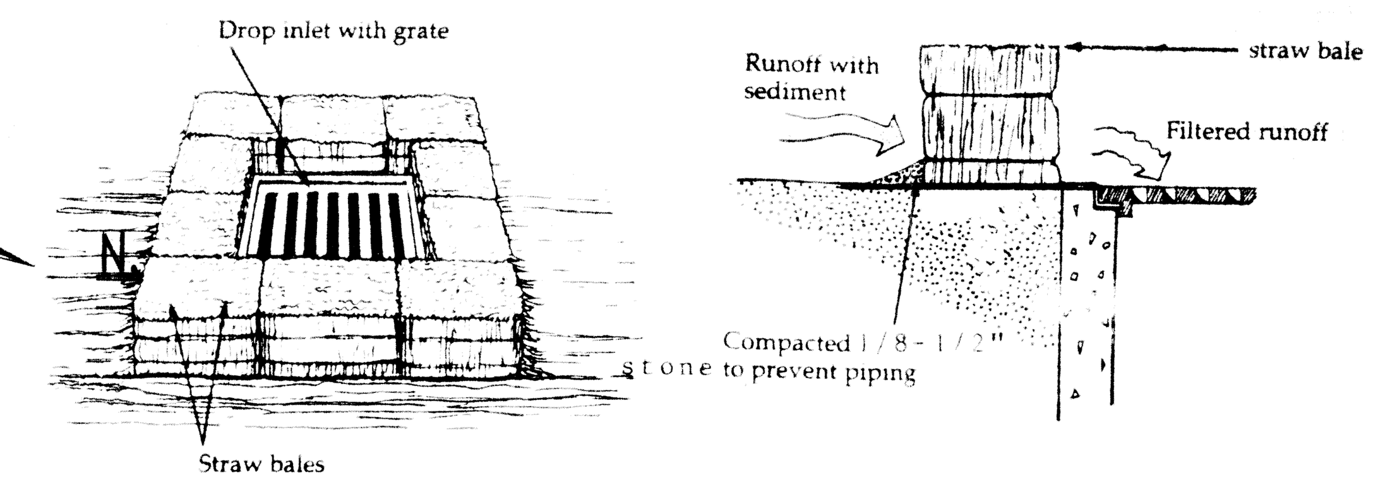
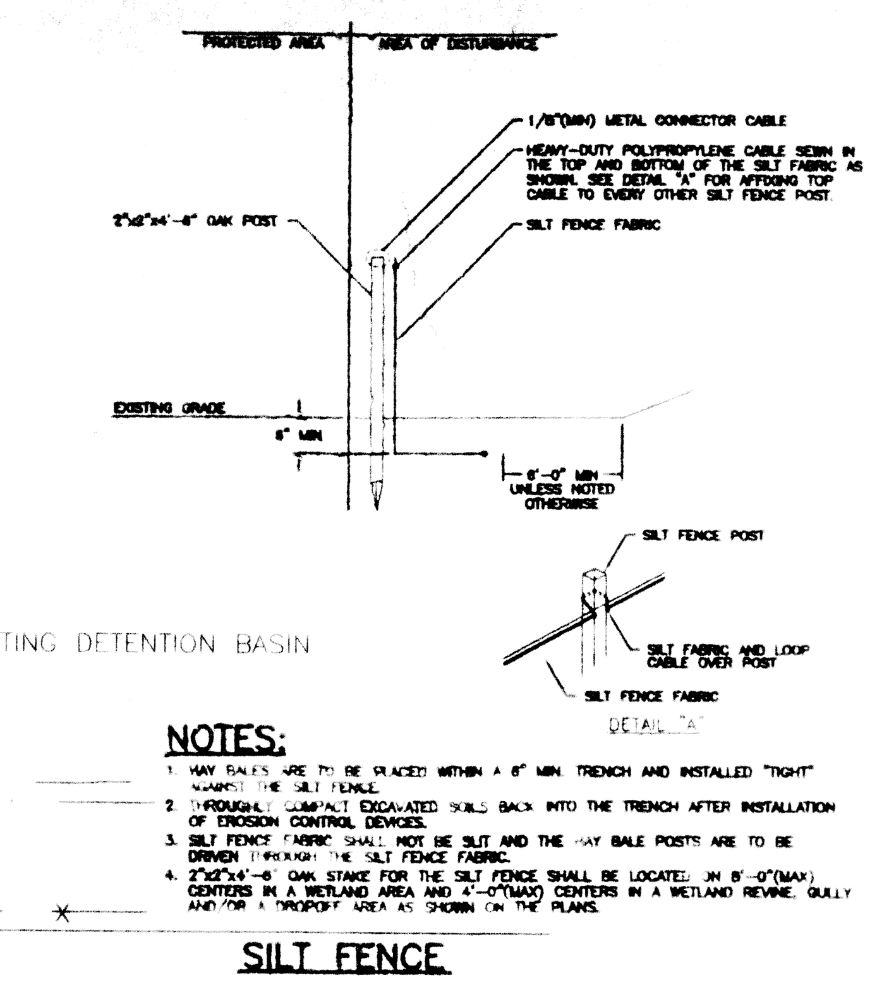
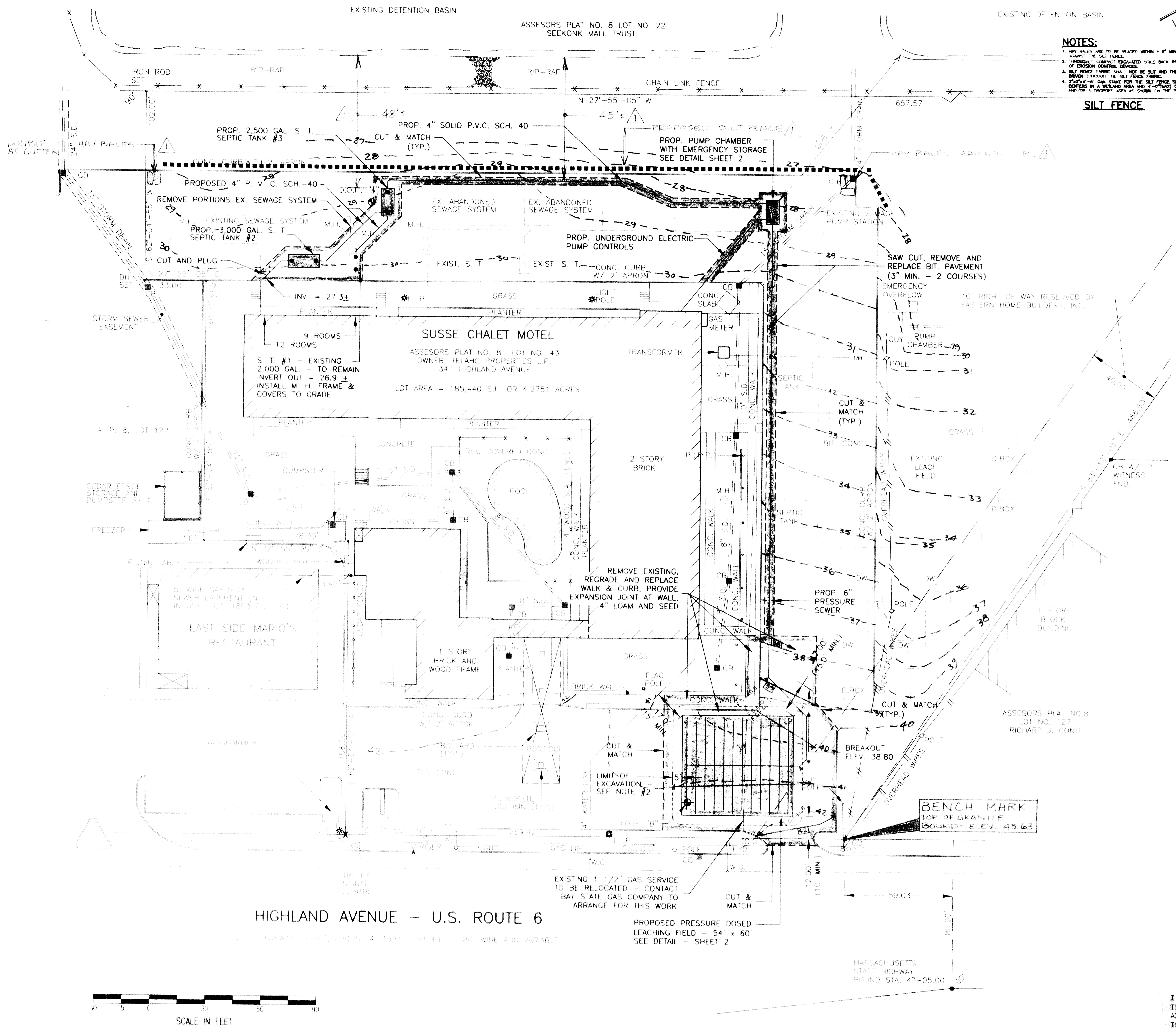


Figure 5-9 Straw Bale Drop Inlet Protection
Adapted from: Virginia Erosion and Sediment Control Handbook, Virginia Soil and Water Conservation Commission 1980





NOTES:

1.) ALL WORK SHALL CONFORM TO THE 310 CMR 15.00 STATE ENVIRONMENTAL CODE - TITLE 5 AND THE RULES AND REGULATIONS OF THE SEEKONK BOARD OF HEALTH.
2.) STRIP ALL TOPSOIL, SUBSOIL AND UNSUITABLE MATERIAL, TREE ROOTS AND STUMPS AND ANY OTHER IMPERVIOUS OR SPECIFIED SOIL IN THE AREA OF THE SYSTEM AND 5 FEET BEYOND IN ALL DIRECTIONS, WHERE POSSIBLE. REPLACE WITH GRANULAR FILL MEETING LATEST SPECIFICATIONS OF 310CMR15.255(3).
3.) ALL PIPE TO BE P. V. C. SCHEDULE 40 UNLESS OTHERWISE NOTED.
4.) PLACE 6" MINIMUM COMPACTED CRUSHED STONE UNDER SEPTIC TANK, PUMP CHAMBER, AND DISTRIBUTION BOX.
5.) IF CONDITIONS ENCOUNTERED DURING CONSTRUCTION VARY SUBSTANTIALLY FROM THOSE SHOWN ON THIS PLAN, NOTIFY CAPUTO AND WICK, LTD. BEFORE PROCEEDING WITH CONSTRUCTION.
6.) GARBAGE GRINDER IS NOT ALLOWED WITH THIS DESIGN.
7.) IT IS RECOMMENDED THAT THE SEPTIC TANK BE INSPECTED TWICE A YEAR, AND BE CLEANED WHEN THE SOLIDS EQUAL ONE THIRD THE LIQUID DEPTH.
8.) BREAKOUT ELEVATION = 38.80. NO FINISHED GRADE BELOW 38.80 FOR 15 FEET (MINIMUM) FROM THE EDGE OF THE LEACHING AREA.
9.) CONTRACTOR SHALL CONTACT "DIG-SAFE" PRIOR TO CONSTRUCTION. LOCATIONS OF UTILITIES ON THIS PLAN ARE FROM EXISTING INFORMATION, BUT ARE ONLY TO BE CONSIDERED APPROXIMATE.
10.) EXISTING SEPTIC TANK AND DIST. BOX TO BE ABANDONED ARE TO BE PUMPED OUT, RINSED WITH CLEAN WATER AND PUMPED OUT AGAIN. PUMPING MUST BE PERFORMED BY A STATE LICENSED SEPTIC HAULER AND THE CONTENTS OF THE TANK DISPOSED OF PROPERLY. AFTER PUMPING, THE TOPS OF THE STRUCTURES ARE TO BE REMOVED AND FILLED WITH CLEAN, GRANULAR MATERIAL.
11.) SEPTIC TANK INLET AND OUTLET TEES TO BE PLACED DIRECTLY BELOW ACCESS COVERS.
12.) DIG EXPLORATORY HOLES PRIOR TO CONSTRUCTION TO CONFIRM ELEVATIONS OF EXISTING UTILITIES AT CONNECTIONS OR CROSSINGS.
13.) ALL EXCAVATION AND PAVING SHALL CONFORM WITH THE "MA. HIGHWAY DEPARTMENT STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES" (1988 WITHADDENDA).

DESIGN DATA

DAILY SEWAGE FLOW
- EXISTING MOTEL BEDROOMS = 12 + 9 = 21 BEDROOMS
- DAILY FLOW = 110 GAL./DAY/BEDROOM x 21 BEDROOMS = 2,310 GALLONS PER DAY

SEPTIC TANK REQUIREMENTS
- SEPTIC TANK #1 (EXISTING - TO REMAIN)
  - VOLUME REQUIRED = 2 x DAILY FLOW = 2 x 9 x 110 = 1980 GALLONS
  - VOLUME EXISTING TANK = 2,000 GALLONS
- SEPTIC TANK #2
  - VOLUME REQUIRED = 2 x DAILY FLOW = 2 x 12 x 110 = 2,640 GALLONS
  - VOLUME PROPOSED TANK = 3,000 GALLONS
- SEPTIC TANK #3 (SECOND COMPARTMENT)
  - VOLUME REQUIRED = 1 x DAILY FLOW = 1 x 21 x 110 = 2,310 GALLONS
  - VOLUME PROPOSED TANK = 2,500 GALLONS

LEACHING AREA REQUIREMENTS
- PERCOLATION RATE = < 2 MINUTES PER INCH
- DESIGN FOR 5 MINUTES PER INCH - SOIL TEXTURE CLASS - I
  - EFFLUENT LOADING RATE = 0.74 GAL. PER S. F.
  - SIDEWALL AREA = 0 SQUARE FEET (FIELD)
  - BOTTOM AREA = 54' x 60' = 3,240 SQUARE FEET
- TOTAL LEACHING AREA = 3,240 SQUARE FEET
- TOTAL LEACHING CAPACITY
  - = 3,240 S. F. x 0.74 GAL/DAY/S. F. = 2,398 GALLONS PER DAY > 2,310 GALLONS PER DAY

DEEP OBSERVATION HOLE "A" LOG
ORIGINAL GRADE - 29.0 ±

DEPTH	SOIL HORIZON	SOIL TEXTURE	SOIL COLOR	SOIL MOTTLING	OTHER
0 - 4"	BIT. PAVEMENT	-	-	— — —	-
4" - 22"	FILL	-	-	— — —	-
22" - 45"	Bw	LOAMY SAND	10YR 4/6	— — —	MASSIVE, FRIABLE
45" - 72"	C1	MEDIUM SAND	10 YR 4/4	— — —	LOOSE, SINGLE GRAIN
72" - 120"	C2	MEDIUM SAND	2.5 Y 5/3	7.5 YR 5/8, MANY, PROM	LOOSE, SINGLE GRAIN

OBSERVED GROUNDWATER - 86"
PERCOLATION TEST AT 58" ≤ 2 MINUTES/INCH

ESTIMATED HIGH GOUNDWATER - 72" (EL. = 23.0)

DEEP OBSERVATION HOLE "B" LOG
ORIGINAL GRADE - 41.3

DEPTH	SOIL HORIZON	SOIL TEXTURE	SOIL COLOR	SOIL MOTTLING	OTHER
0 - 4"	BIT. PAVEMENT	-	-	— — —	-
4" - 30"	FILL	-	-	— — —	-
30" - 40"	A	SANDY LOAM	10YR 3/3	— — —	MASSIVE, FRIABLE
40" - 50"	Bw	LOAMY SAND	10 YR 4/6	— — —	MASSIVE, FRIABLE
50" - 70"	C1	MEDIUM SAND	2.5 Y 4/3	— — —	LOOSE, SINGLE GRAIN
70" - 168"	C2	COARSE SAND	2.5 Y 4/3	— — —	LOOSE, SINGLE GRAIN, GRAVELLY

OBSERVED GROUNDWATER - NONE
PERCOLATION TEST AT 68" ≤ 2 MINUTES/INCH

ESTIMATED HIGH GOUNDWATER > 168" (EL. = 27.3)
REMOVE TO 3" INTO C1 HORIZON

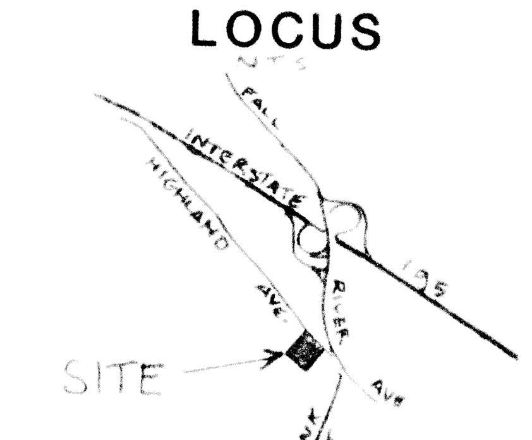
WITNESS: MR. CHENEVERT, SEEKONK BOARD OF HEALTH
TESTING PERFORMED BY: CAPUTO AND WICK LTD.

DATE OF TESTS - SEPT. 18, 1996

LEGEND

HYD.	HYDRANT	-100-	EXISTING CONTOUR
WV	WATER VALVE	100	PROPOSED CONTOUR
L.P.	LAMP POST	MA. STD.	MASSACHUSETTS STANDARD
T&E	UNDERGROUND TELEPHONE & ELECTRIC	INV.	INVERT OF PIPE
		P. V. C.	POLYVINYL CHLORIDE PIPE
CB	CATCH BASIN	S. D. R.	STANDARD DIMENSION RATIO
M.H.	MANHOLE	R. C. P.	REINFORCED CONCRETE PIPE
-o-	UTILITY POLE	CONC.	CONCRETE (BIT. OR P. C.)
T.S.	TRAFFIC SIGNAL POLE	BIT.	BITUMINOUS
GV	GAS VALVE	P. C.	PORTLAND CEMENT
ST	SEPTIC TANK	TYP.	TYPICAL
DB	DISTRIBUTION BOX	F.G. 100x00	FINISHED SPOT GRADE
DW	LEACHING DRYWELL	100x00	EXISTING SPOT GRADE
(symbol)	DEEP OBSERVATION HOLE	T. C.	TOP OF CURB
MHB	MASSACHUSETTS HIGHWAY BOUND	B. C.	BOTTOM OF CURB
		ℙ	PROPERTY LINE
S.D.	STORM DRAIN	-x-CLF-x-	CHAIN LINK FENCE
STA.	STATION	DH	DRILL HOLE SET
STK	STAKE FOUND	GB	GRANITE BOUND
IR	IRON ROD SET	IP	IRON PIPE
▲	THRUST BLOCK		

LOCUS



I CERTIFY THAT I HAVE CONTACTED THE SEEKONK WATER DISTRICT FOR THE LOCATION OF THE EXISTING WATER SERVICE CURB STOP TO LOT #43 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.

⚠ ADD EROSION CONTROL

EXHIBIT "A" 69-418

RODNEY W. WICK No. 27837 REGISTERED PROFESSIONAL ENGINEER

SEWAGE DISPOSAL SYSTEM
SUSSE CHALET
AP 8, LOT 43 - HIGHLAND AVE.
SEEKONK, MASSACHUSETTS

CAPUTO AND WICK LTD.
1150 PAWTUCKET AVE.
RUMFORD, R.I. 02916
401-434-8880

DATE JULY, 1997 REV. 6/99

SHEET 1 OF 6