

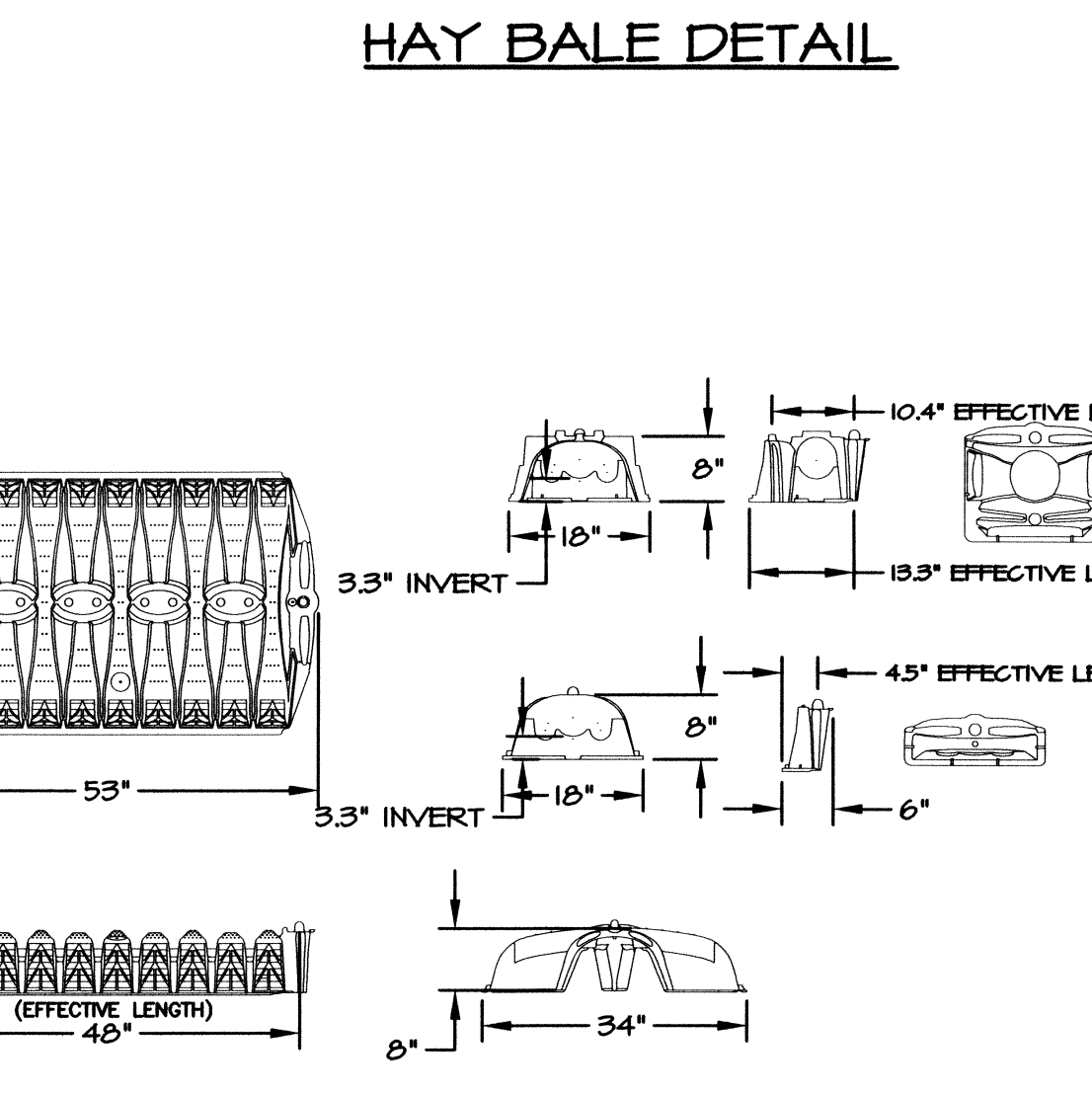
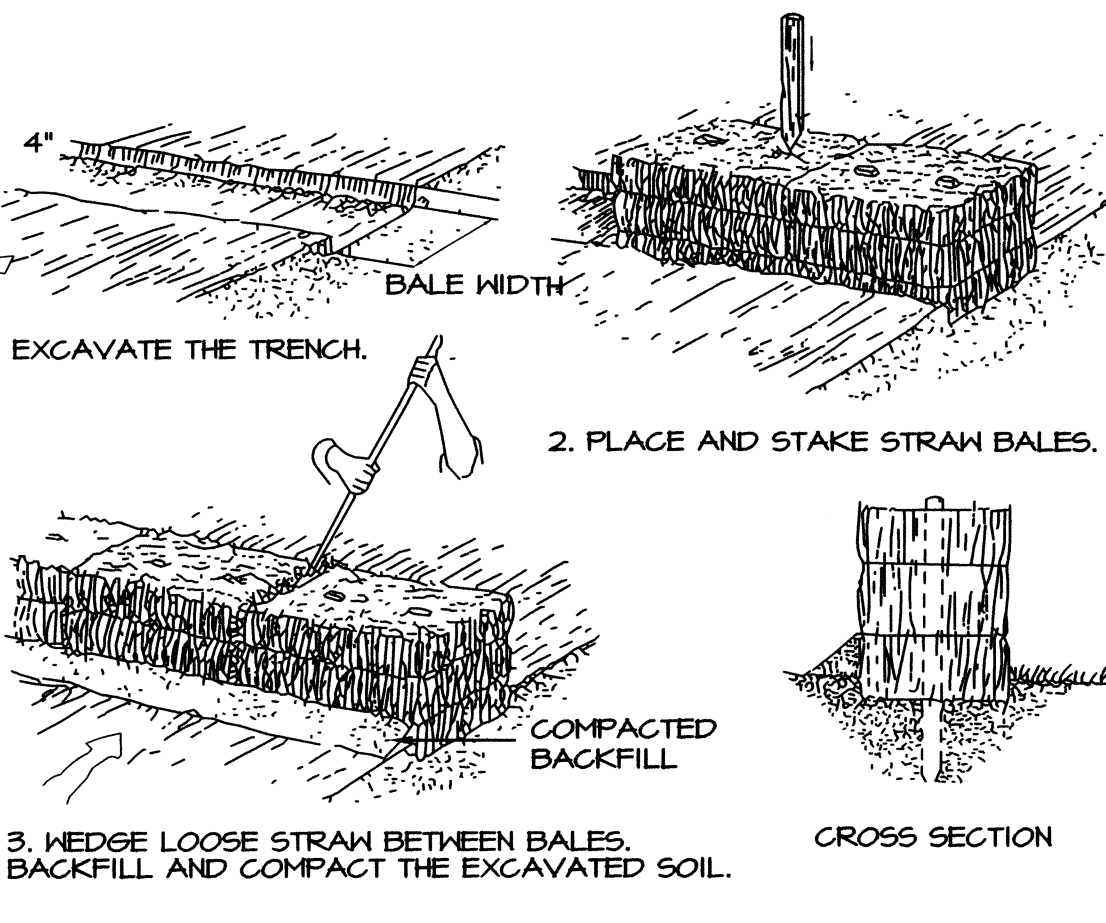
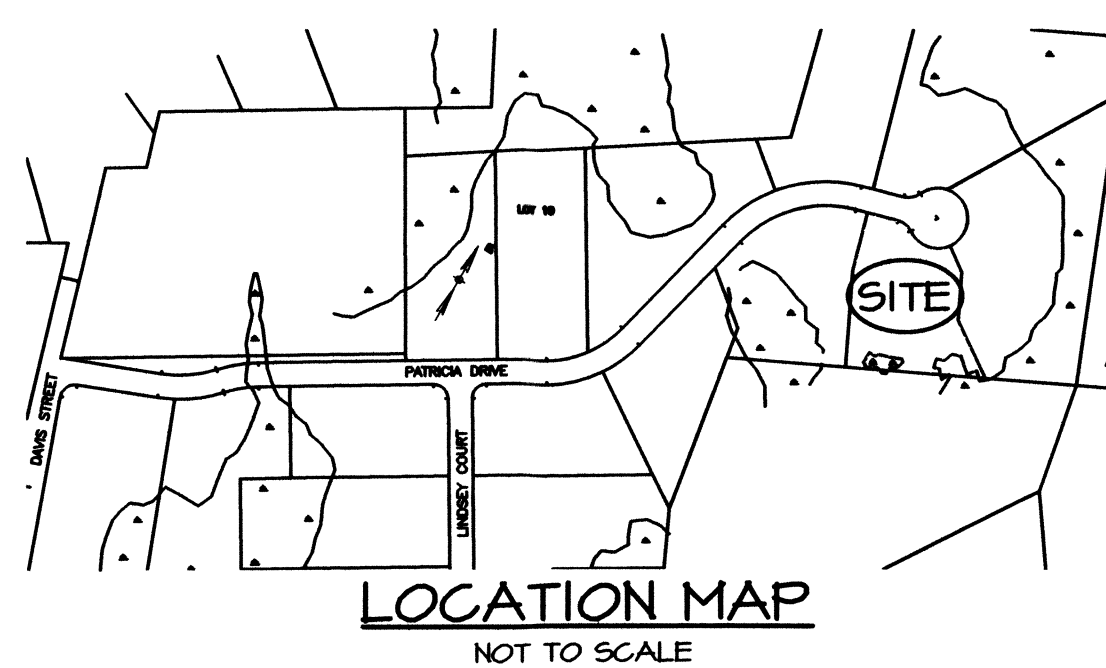
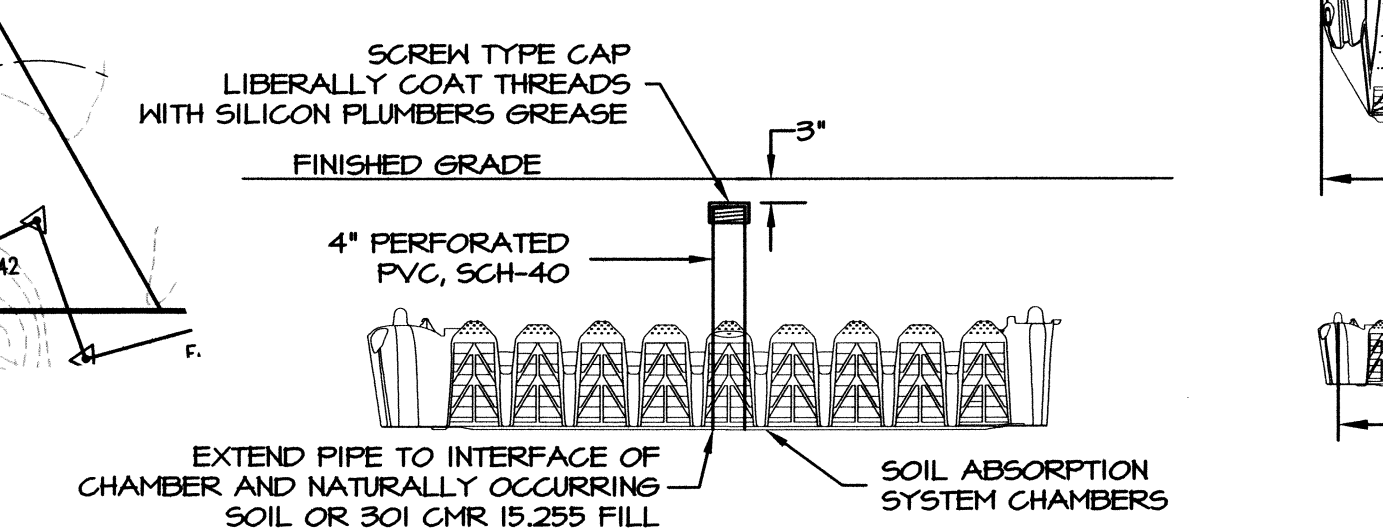
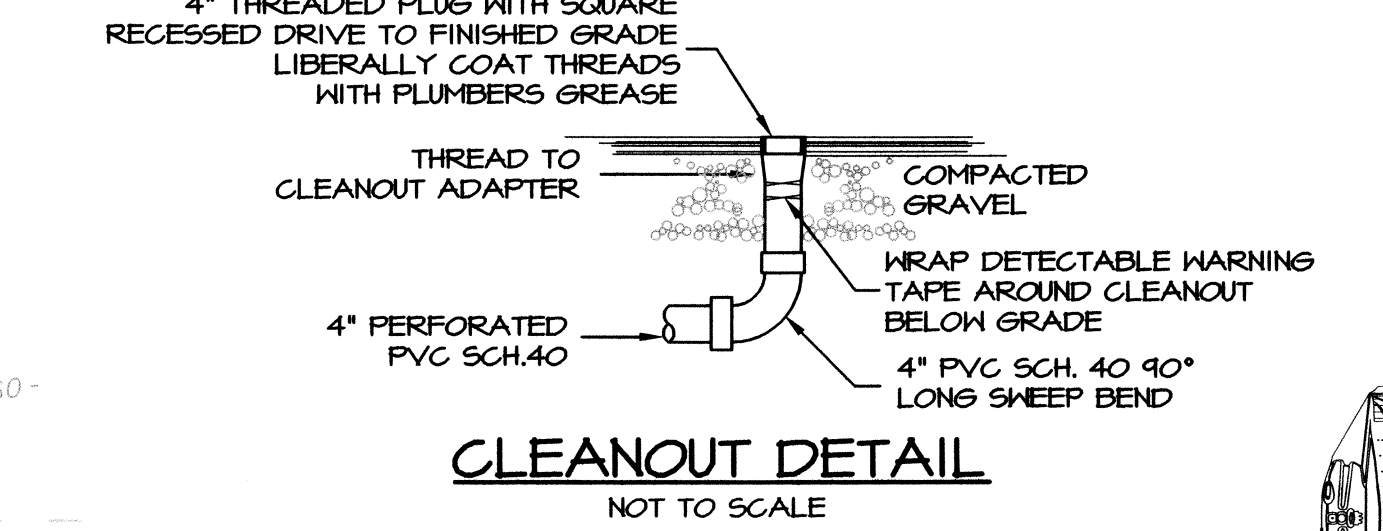
DESIGN DATA:
 DAILY SEWAGE FLOW
 PROPOSED BEDROOMS = FOUR
 DAILY FLOW = 110 GAL./DAY/BEDROOM x 4 BEDROOMS = 440 GALLONS PER DAY
 SEPTIC TANK REQUIREMENTS
 VOLUME = 2 x DAILY FLOW = 880 GALLONS
 MINIMUM SIZE = 1500 GALLONS
 LOADING:
 PERCOLATION TEST - 16 MPI - DESIGN FOR 20 MPI
 EFFLUENT LOADING RATE - CLASS II SOIL - 0.53 GAL./S.F./DAY
 MINIMUM LEACHING AREA REQUIRED - 440 GPD/0.53 GAL./S.F./DAY = 830 SQ. FT.
 INFILTRATOR QUICK 4 PLUS STANDARD LP (3.3-INCH INVERT) - 5.65 S.F./L.F. IN TRENCH
 MINIMUM UNITS REQUIRED 830 S.F./5.65 S.F./L.F. * 4 L.F. PER UNIT = 147 UNITS
 31 UNITS - USE 4 TRENCHES X 10 UNITS LONG = 40 UNITS
 TOTAL LEACHING AREA = 40 X 5.65 S.F./L.F. X 4 L.F./UNIT = 904 SQUARE FEET
 TOTAL LEACHING CAPACITY = 904 S.F. x 0.53 GAL./DAY/S.F. = 479 GAL./DAY > 440 GPD

ELEVATION SCHEDULE

DESCRIPTION	ELEVATION
INVERT AT FOUNDATION	165.10
INVERT IN - SEPTIC TANK	164.55
INVERT OUT - SEPTIC TANK	164.30
INVERT IN - DIST. BOX	163.85
INVERT OUT - DIST. BOX	163.60
INVERT BEGINNING CHAMBERS	163.61
ELEV. TOP OF CHAMBERS (BREAKOUT)	164.00
ELEV. BOTTOM OF CHAMBERS	163.33
EST. SEASONAL HIGH GR.	159.03

EROSION & SEDIMENTATION CONTROL NOTES:

- ALL PERIMETER EROSION AND SEDIMENTATION CONTROLS MUST BE INSTALLED PRIOR TO THE COMMENCEMENT OF EARTHWORK.
- ACCESSIBLE RESERVES OF HAY BALES AND STAKES ARE TO BE MAINTAINED ON SITE FOR ROUTINE MAINTENANCE AND IN THE EVENT OF UNANTICIPATED PROBLEMS REQUIRING EMERGENCY RESPONSE.
- HAY BALES SHOULD BE INSTALLED IN ACCORDANCE WITH THE DETAILS PROVIDED.
- NO WORK IS TO OCCUR ON THE WETLAND SIDE OF THE PERIMETER EROSION AND SEDIMENTATION CONTROLS. ALL PERIMETER CONTROLS SERVE AS THE PROJECT LIMIT OF DISTURBANCE.
- NO STONES, BRUSH, CONSTRUCTION DEBRIS, LITTER, OR OTHER MATERIALS ARE TO BE DEPOSITED ON THE WETLAND SIDE OF THE EROSION AND SEDIMENTATION CONTROLS.
- ALL DISTURBED SOILS NOT DESIGNATED FOR OTHER SURFACE TREATMENT ARE TO BE LOADED AND SEEDED IMMEDIATELY FOLLOWING FINAL GRADING.
- APPROPRIATE PRECAUTIONS SHOULD BE TAKEN TO PREVENT THE TRANSPORT OF SOIL OFFSITE FROM CONSTRUCTION EQUIPMENT.
- ALL PERIMETER EROSION AND SEDIMENTATION CONTROLS MUST BE PROPERLY MAINTAINED AND MUST REMAIN IN PLACE UNTIL THE SOILS HAVE BEEN STABILIZED TO THE SATISFACTION OF THE ENGINEER AND THE SEEKONK CONSERVATION COMMISSION.
- THE SPLIT RAIL FENCE SERVES AS THE LIMIT OF LAWN AND FUTURE YARD ACTIVITIES AND SHALL BE PERMANENTLY MAINTAINED IN GOOD CONDITION.



NOTES:

- ALL WORK SHALL CONFORM TO THE 310 CMR 15.00 STATE ENVIRONMENTAL CODE - TITLE 5, THE RULES AND REGULATIONS OF THE SEEKONK BOARD OF HEALTH AND THE LOCAL UPGRADES APPROVED FOR THIS DESIGN.
- 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 THE EDGE OF LEACHING TRENCHES HORIZONTALLY IN ALL DIRECTIONS, WHERE THE INSTALLER IS TO STRIP MATERIAL 3" VERTICALLY INTO THE NATURALLY OCCURRING PERVIOUS MATERIAL. REPLACE WITH GRANULAR FILL MEETING THE LATEST SPECIFICATIONS OF 310 CMR 15.255 FILL TO THE LIMITS INDICATED (BREAKOUT). THE CONTRACTOR IS TO REMOVE ALL UNSUITABLE MATERIAL BELOW THE PROPOSED SOIL ABSORPTION SYSTEM PRIOR TO INSTALLATION. SEE DEEP OBSERVATION HOLES SOIL DATA FOR FURTHER INFORMATION.
- VERTICAL LIMITS MAY BE VARIABLE**
- CONTRACTOR SHALL CONTACT **310-SAFE** PRIOR TO CONSTRUCTION. LOCATION OF UTILITIES ON THIS PLAN ARE FROM EXISTING INFORMATION. IF CONDITIONS ENCOUNTERED DURING CONSTRUCTION VARY SUBSTANTIALLY FROM THOSE SHOWN ON THIS PLAN, NOTIFY CAPUTO AND WICK, LTD. AND THE TOWN OF SEEKONK HEALTH AGENT BEFORE PROCEEDING WITH CONSTRUCTION. **IF IN DOUBT, ASK.**
- ALL PIPE TO BE 4" P. V. C. SCHEDULE 40, UNLESS OTHERWISE NOTED.
- SEPTIC TANK AND DISTRIBUTION BOX SHALL BE DESIGNED FOR H5-10, AND SHALL BE PROTECTED FROM VEHICULAR TRAFFIC BOTH DURING AND AFTER INSTALLATION.
- PLACE 6" MINIMUM COMPACTED CRUSHED STONE UNDER SEPTIC TANK AND DISTRIBUTION BOX.
- SOIL TESTING FOR THIS PROJECT WAS PERFORMED BY DEN MONSEES AND WITNESSED BY THE SEEKONK BOARD OF HEALTH AGENT, MR. CHENEVERT. IF CONDITIONS ENCOUNTERED DURING CONSTRUCTION VARY SUBSTANTIALLY FROM THOSE SHOWN ON THIS PLAN, NOTIFY CAPUTO AND WICK, LTD. AND THE TOWN OF SEEKONK HEALTH AGENT BEFORE PROCEEDING WITH CONSTRUCTION. **IF IN DOUBT, ASK.**
- GARBAGE GRINDER IS **NOT** ALLOWED WITH THIS DESIGN.
- INLET AND OUTLET TEES FOR SEPTIC TANK ARE TO BE LOCATED DIRECTLY BELOW ACCESS COVERS.
- BREAKOUT ELEVATION = 164.00. NO FINISHED GRADE BELOW 164.00 FOR 15 FEET (MINIMUM) FROM THE EDGE OF THE CHAMBERS, UNLESS IMPERVIOUS BARRIER IS INSTALLED.
- EXISTING WATER WELLS HERE FOUND WITHIN 200' OF PROPOSED SEWAGE DISPOSAL SYSTEM ARE SHOWN.
- IT IS RECOMMENDED THAT THE SEPTIC TANK BE INSPECTED TWICE A YEAR, AND BE CLEANED WHEN THE SOLIDS ARE LESS THAN 12" BELOW THE OUTLET TEE OR EFFLUENT FILTER.
- MATERIAL AND EQUIPMENT FROM ALTERNATE MANUFACTURERS MAY BE USED IF EQUAL. APPROVAL FOR ALTERNATE MATERIAL AND/OR EQUIPMENT REQUIRED FROM ENGINEER AND THE TOWN PRIOR TO CONSTRUCTION. FULL SPECIFICATIONS FOR ALTERNATE EQUIPMENT MUST BE PROVIDED BY THE CONTRACTOR. THE DESIGNER EXPRESSLY DISCLAIMS ANY RESPONSIBILITY FOR MONITORING, INSPECTING OR SUPERVISING THE ACTUAL CONSTRUCTION WORK. AFTER EXCAVATING AND PRIOR TO INSTALLING ANY IMPORTED MATERIAL, CONTACT THE BOARD OF HEALTH AGENT FOR A BOTTOM OF EXCAVATION INSPECTION. AFTER SYSTEM COMPONENTS ARE IN PLACE AND PRIOR TO BACKFILLING, CONTACT THE DESIGNER TO VERIFY THE LOCATION AND ELEVATION OF SYSTEM COMPONENTS AND PREPARE A RECORD DRAWING AS REQUIRED BY THE BOARD OF HEALTH.
- THE DESIGNER EXPRESSLY DISCLAIMS ANY RESPONSIBILITY FOR THE INSTALLATION AND MAINTENANCE OF THE SYSTEM. IT SHALL BE THE RESPONSIBILITY OF THE INSTALLER TO CONSTRUCT THE SYSTEM IN ACCORDANCE WITH 310 CMR 15.00 AND LOCAL BOARD OF HEALTH REGULATIONS INCLUDING APPROVED LOCAL UPGRADES AND THE RESPONSIBILITY OF THE OWNER FOR PROPERLY MAINTAINING THE SYSTEM IN ACCORDANCE WITH 310 CMR 15.00 AND THE LOCAL BOARD OF HEALTH REGULATIONS. REFER TO 310 CMR 15.00 AND THE LOCAL BOARD OF HEALTH REGULATIONS FOR ADDITIONAL INFORMATION CONCERNING THE SYSTEM. THE INSTALLER AND OWNER SHOULD REVIEW AND APPLY 310 CMR 15.00 AND THE LOCAL BOARD OF HEALTH REGULATIONS.
- REFER TO 310 CMR 15.00 AND THE LOCAL BOARD OF HEALTH REGULATIONS FOR ADDITIONAL INFORMATION CONCERNING THE CONSTRUCTION AND OPERATION OF THE SYSTEM. THE SYSTEM IS TO BE CONSTRUCTED BY A INSTALLER LICENSED BY THE SEEKONK BOARD OF HEALTH.
- THE CELLAR FLOOR ELEVATION SHOWN HAS BEEN SUGGESTED AS A MINIMUM BASED ON OBSERVED GROUNDWATER CONDITIONS. SINCE THE GROUNDWATER LEVELS FLUCTUATE ANNUALLY, NO WARRANTY OF A DRY CELLAR IS EXPRESSED OR IMPLIED.
- FILL MEETING THE REQUIREMENTS OF 310 CMR 15.255(3) MUST BE PLACED ON SCARIFIED, RELATIVELY DRY NATURAL SOIL. THE CONTRACTOR SHALL PROVIDE FOR DEMATERING AS REQUIRED AND ALL WORK SHALL BE PERFORMED UNDER DRY CONDITIONS PER 310 CMR 15.255(6). THE DISCHARGE WATER MUST BE PROPERLY DISPOSED OF AND SHALL NOT BE A SOURCE OF POLLUTION AND/OR EROSION.
- INSTALL MAGNETIC TAPE OVER ALL PIPE AND SYSTEM COMPONENTS.
- ALL DISTURBED AREAS NOT DEPICTED TO HAVE OTHER FINAL SURFACE TREATMENT SHALL RECEIVE 4" LOAM AND SEED.
- THE CONTRACTOR MUST BE FAMILIAR WITH THE PROPOSED ALTERNATIVE SOIL ABSORPTION SYSTEM TECHNOLOGY AND MUST STRICTLY FOLLOW MANUFACTURERS INSTALLATION INSTRUCTION AND MA. DEF CERTIFICATION.**

DEEP OBSERVATION HOLE Y2K-10 LOG ORIGINAL GROUND ELEVATION = 159.8

DEPTH	HORIZON	TEXTURE	COLOR	MOTTLING	OTHER
+3' - 0"	O	-	-	-	-
0 - 36"	B	SANDY LOAM	10 YR 6/8	-	-
36" - 108"	C	SANDY LOAM	2.5 Y 6/4	COMMON 10 YR 6/8	-

OBSERVED GROUNDWATER - NONE
ESTIMATED S.H.G.W. = 42" (ELEV. 156.3)
DATE OF TESTING - 1/28/00

KEEPIING FROM PIT FACE - NONE
PERC. RATE = 16 MPI @ 55"

DEEP OBSERVATION HOLE Y2K-10B LOG ORIGINAL GROUND ELEVATION = 160.2

DEPTH	HORIZON	TEXTURE	COLOR	MOTTLING	OTHER
+3' - 0"	O	-	-	-	-
0 - 40"	B	SANDY LOAM	10 YR 6/2	-	BOULDERS
40" - 110"	C	SANDY LOAM	2.5 Y 5/6	COMMON 10 YR 6/8	-

OBSERVED GROUNDWATER - NONE
ESTIMATED S.H.G.W. = 44" (ELEV. 156.53)
DATE OF TESTING - 1/10/01

KEEPIING FROM PIT FACE - NONE
PERC. RATE = 8 MPI @ 54"

DEEP OBSERVATION HOLE Y2K-11 LOG ORIGINAL GROUND ELEVATION = 159.2

DEPTH	HORIZON	TEXTURE	COLOR	MOTTLING	OTHER
+3' - 0"	O	-	-	-	-
0 - 24"	B	SANDY LOAM	10 YR 5/8	-	-
24 - 52"	Cd1	SILT LOAM	2.5 Y 5/6	COMM. 10YR 6/8	BASIL (SIC)
52" - 126"	C2	LOAMY SAND	2.5 Y 5/3	-	10# GRAVEL

OBSERVED GROUNDWATER - 120"
GROUNDWATER READING 3/23/01 - 14"
PERC. RATE = 6 MPI @ 12"

KEEPIING FROM PIT FACE - 118"
ESTIMATED S.H.G.W. = 14" (ELEV. 158.03)
DATE OF TESTING - 1/28/00

TEST PERFORMED BY: DEAM MONSEES
TESTING WITNESSED BY: HAROLD CHENEVERT, JR., SEEKONK BOARD OF HEALTH

LEGEND

100	EXISTING CONTOUR	+100.00	FINISHED SPOT GRADE
-100.5TD	PROPOSED CONTOUR	X 100.00	EXISTING SPOT GRADE
M.A. STD.	M.A. STD.	T.C.	TOP OF CURB
INV.	INVERT OF PIPE	B.	BOTTOM OF CURB
P. V. C.	POLYVINYL CHLORIDE PIPE	ST	PROPERTY LINE
S. D. R.	STANDARD DIMENSION RATIO	ST	SEPTIC TANK
R. C. P.	REINFORCED CONCRETE PIPE	DB	DISTRIBUTION BOX
CONC.	CONCRETE (BIT. OR P. C.)	DB	DEEP OBSERVATION HOLE
BIT.	BITUMINOUS		
P. C.	PORTLAND CEMENT		
TYP.	TYPICAL		

I CERTIFY THAT I HAVE CONTACTED THE SEEKONK WATER DISTRICT FOR THE LOCATION OF THE EXISTING WATER SERVICE STOP FOR PLAT 26, LOT 170 AND WAS INFORMED THAT THERE IS NO CURB STOP CURRENTLY FOR THIS LOT. THE PROPOSED DWELLING WILL BE SERVED BY A PRIVATE WELL TO BE INSTALLED IN CONFORMANCE WITH THE SEEKONK BOARD OF HEALTH REGULATIONS.

NOTICE OF INTENT

SEWAGE DISPOSAL SYSTEM
23 PATRICIA DRIVE
ASSESSORS PLAT 26 - LOT 170
SEEKONK, MASSACHUSETTS

LOT INFORMATION
23 PATRICIA DRIVE
ASSESSORS PLAT NO. 26, LOT 170
ZONE - R-4
AREA = 67,972 S.F.

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

DATE: APRIL 2014
SHEET: 1

