

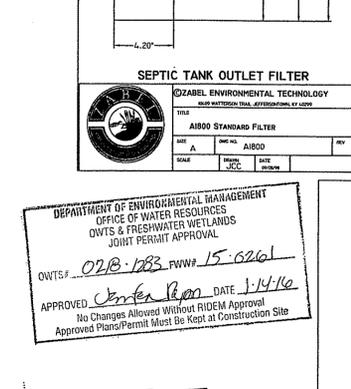
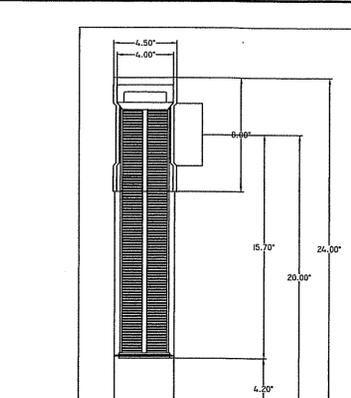
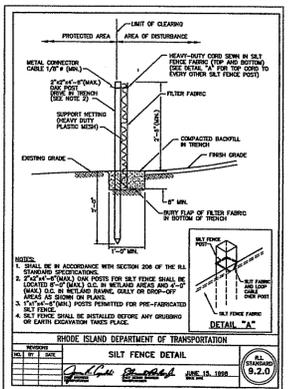
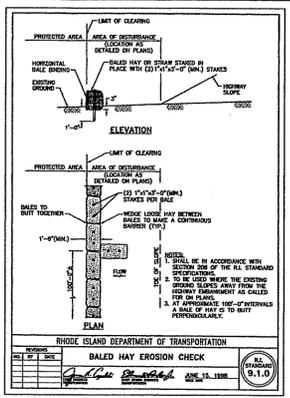
TYPE	LENGTH	WIDTH	HEIGHT	WEIGHT
B	4'	3'	7"	22 LBS.

NOT TO SCALE

SEE SITE PLAN FOR LOCATION AND NUMBER OF TRENCH LINES

*ALL PIPING ON IN-DRAINS TO BE 4" DIA. SDR 35 PERFORATED PVC

*INTERCONNECT TRENCHES EVERY 25' MAXIMUM



BASIS OF SANITARY DESIGN

NUMBER OF BEDROOMS: 4

GARBAGE GRINDER: NOT ALLOWED

WATER SOFTENER: NOT ALLOWED

JACUZZI/HOT TUB: NOT ALLOWED

ESTIMATED SEWAGE FLOW: 460 GALLONS PER DAY

SIZE OF SEPTIC TANK: 2000 GALLONS

DESIGN PERCOLATION RATE: 40 MIN/INCH

LEACHING AREA PROVIDED: 3 IN-DRAIN LEACHING TRENCHES AT 45' LONG

4" WIDE WITH 6" CLEAN, COARSE WASHED SAND ON SIDES & UNDER UNITS

SYSTEM CAPACITY: 1260 SF x 0.40 GALLONS/SF/TOTAL = 504 GALLONS PER DAY

FINISHED FIRST FLOOR: 122.00

TOP OF FOUNDATION: 121.00

FINISHED BASEMENT FLOOR: 113.50 MINIMUM

FINISHED GARAGE FLOOR: 117.50

INVERT AT DWELLING: 117.85

INVERT INTO SEPTIC TANK: 117.10

INVERT OUT OF SEPTIC TANK: 116.85

INVERT INTO D-BOX: 116.77

INVERT AT BEGINNING OF TRENCH: 116.43

INVERT AT END OF TRENCH: 116.43

BOTTOM OF IN-DRAIN: 115.85

BOTTOM OF COARSE SAND: 115.35

BOTTOM OF OWTS SAND & GRAVEL: 111.5

ELEVATION OF WATER TABLE: 112.85

EXISTING AVERAGE GRADE AT OWTS: 115.5

**NOTE: ELEVATIONS ARE BASED ON CONVENTIONAL DWELLING. NOTIFY DESIGNER OF ANY DISCREPANCIES PRIOR TO ANY WORK. DESIGNER DOES NOT PERMIT TOILETS IN BASEMENT AREA.

ALL EXISTING AND PROPOSED WELLS WITHIN 200' OF PROPOSED OWTS ARE SHOWN. NO EXISTING OR PROPOSED PUBLIC WELLS WERE OBSERVED WITHIN 500' OF PROPOSED OWTS. NO EXISTING OR PROPOSED SEPTIC SYSTEMS WITHIN 100' OF PROPOSED WELL. MAINTAIN ELEVATION 116.43 WITHIN 10' OF PROPOSED OWTS. NO UPGRADIENT DRAINS ALLOWED WITHIN 25' OF PROPOSED OWTS. NO DOWNGRADIENT DRAINS ALLOWED WITHIN 50' OF PROPOSED OWTS. BRING SEPTIC TANK COVERS TO GRADE. COVER TO BE 18" MIN AND CAPABLE OF WITHSTANDING H-20 LOADING. COVERS TO WEIGH 59 LBS. MINIMUM OR BOLT DOWN. ALL OWTS PIPE TO BE 4" DIAMETER, PVC SDR 35 (MIN PERFORATED OR SOLID AS REQUIRED). OUTLET FILTER TO BE INSPECTED SEMI-ANNUALLY TO ENSURE PROPER FUNCTIONING. BUILDING SENER TO BE 4" SCH 40 PVC WITH GLUED, WATER TIGHT JOINTS. SLEEVE IN WATER TIGHT 6" OR 8" PVC ATTACHED WITH RUBBER SEALS AND FASTENED WITH STAINLESS STEEL RETRACTABLE CLAMPS.

NOTES:

- 1.) ALL CONSTRUCTION SHALL CONFORM TO THE STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS DEPARTMENT OF ENVIRONMENTAL MANAGEMENT, RULES AND REGULATIONS ESTABLISHING MINIMUM STANDARDS RELATING TO LOCATION, DESIGN, CONSTRUCTION AND MAINTENANCE OF ONSITE WASTEWATER TREATMENT SYSTEMS MOST RECENTLY AMENDED.
- 2.) ALL WORK SHALL BE DONE IN A WORKMANLIKE MANNER WITH LINES LAID AS STRAIGHT AS POSSIBLE AND JOINTS MADE WATER TIGHT. ALL WORK TO BE DONE BY AN INSTALLER LICENSED IN THE STATE OF RHODE ISLAND.
- 3.) SEPTIC TANK TO BE JOLLEY PRECAST 2000 GALLON TWO COMPARTMENT SEPTIC TANK. TWO SEPTIC TANK COVERS TO BE BROUGHT TO FINISH GRADE. OUTLET FILTER REQUIRED.
- 4.) DISTRIBUTION BOX TO BE JOLLEY PRECAST DBS-3 BOX OR APPROVED EQUALS. ALL DISTRIBUTION LINES FROM BOX ONE FOOT INTO START OF TRENCH TO BE MINIMUM SOLID SDR-35. A DROP OF 2" IS REQUIRED FROM THE D-BOX TO THE START OF THE TRENCHES. BAFFLES OR INLET TEE REQUIRED IN D-BOX.
- 5.) LEACHING AREA EXCAVATION SHALL BE LEVEL AND SCARIFIED. CARE SHALL BE TAKEN TO AVOID COMPACTION OF THE LEACHING AREA. EXCAVATION SHALL BE FREE OF ALL BRUSH, TREES, TOPSOIL, SUBSOIL, AND OTHER UNDESIRABLE MATERIAL AND BACKFILLED WITH CLEAN COARSE SAND, GRAVEL OR STONE, AS DESIGNATED ON THE PLAN. SAND AND GRAVEL TO HAVE A MINIMUM PERCOLATION RATE OF 5 MIN/INCH. MAX STONE SIZE IS 6". LIMIT 10% OF 2" - 6" STONES.
- 6.) ALL BACKFILL MATERIAL PLACED OVER THE SEPTIC SYSTEM SHALL BE FREE OF LARGE STONES, RUBBISH, OR OTHER DELETERIOUS MATERIALS. HEAVY EQUIPMENT SHALL NOT BE ALLOWED TO RUN OVER THE LEACHING AREA.
- 7.) THE SYSTEM IS NOT DESIGNED TO ACCOMMODATE A GARBAGE GRINDER, WATER SOFTENER, OR JACUZZI.
- 8.) FOR PROPER OPERATION, THE SEPTIC TANK SHALL BE INSPECTED ANNUALLY AND PUMPED AT NO GREATER THAN 2 YEAR INTERVALS. OUTLET FILTER TO BE INSPECTED AND CLEANED SEMI-ANNUALLY.
- 9.) NO PARKING IS PERMITTED IN THE VICINITY OF THE OWTS.
- 10.) DIG SAFE NOTIFICATION IS REQUIRED PRIOR TO ANY EXCAVATION.
- 11.) CONTRACTOR TO INSTALL 12" MINIMUM COVER OVER OWTS. CONTRACTOR IS TO INSURE 6" LOAM AND SEED OVER ALL DISTURBED AREAS UNLESS OTHER ARRANGEMENTS HAVE BEEN MADE FOR FINISH LANDSCAPING.
- 12.) PROPERTY LINES AS DEPICTED ON THIS PLAN ARE APPROXIMATE ONLY AND ARE NOT THE RESULT OF A BOUNDARY SURVEY.
- 13.) CONTRACTOR IS RESPONSIBLE TO ENSURE THAT ALL SAFETY AND BUILDING CODES ARE FOLLOWED.
- 14.) DESIGNER TO BE NOTIFIED 72 HOURS (3 WORKING DAYS) PRIOR TO THE START OF OWTS CONSTRUCTION. CONTRACTOR IS TO INSURE THAT DESIGNER IS NOTIFIED 2 WORKING DAYS IN ADVANCE OF REQUIRED INSPECTIONS SO PROPER NOTIFICATION TO RIDEM CAN BE MADE. FAILURE TO PROVIDE ADVANCE NOTICE WILL RESULT IN DELAYS TO THE CONTRACTOR. WORK SHALL NOT CONTINUE UNTIL VARIOUS STAGE IS APPROVED.

