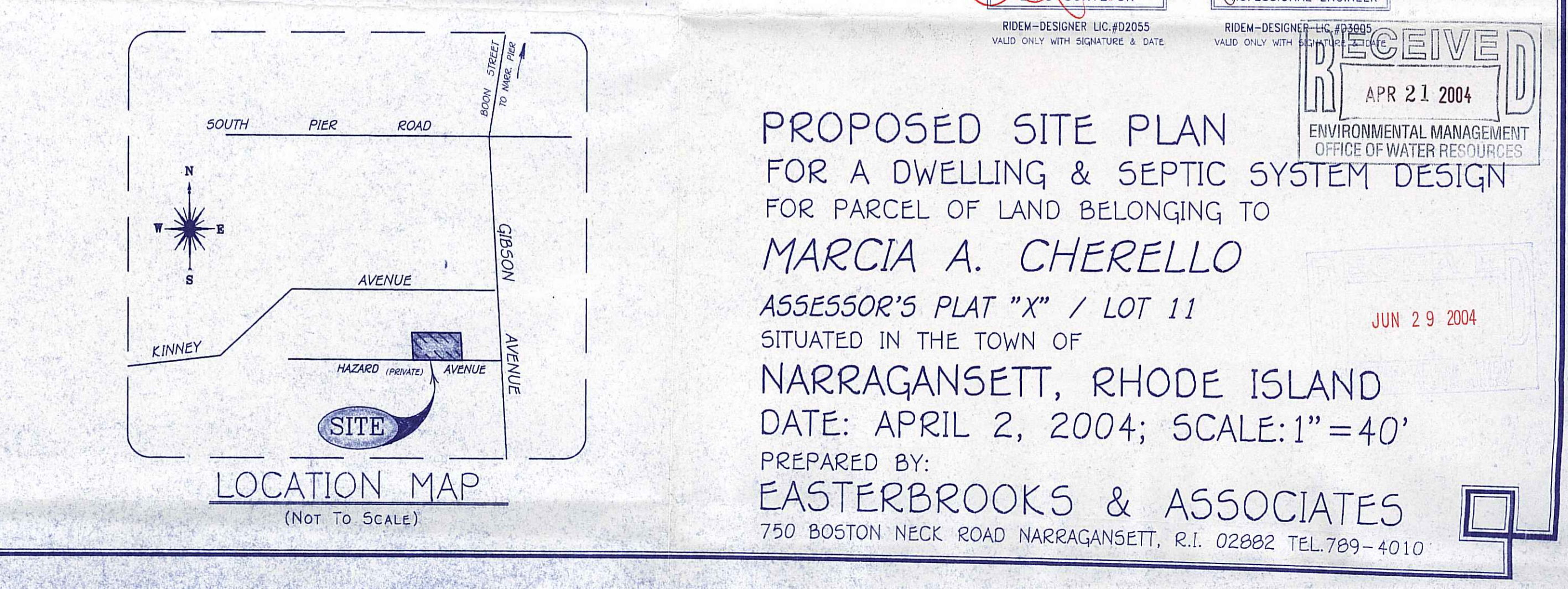


ADVANTEX TREATMENT SYSTEM
RX Series - Mode 3b

DETERMINING RSV AND FLOAT LEVELS

RSV LEVEL FOR STRONGER PIPE LENGTHS UP TO 24" LONG, THE LOW LIQUID LEVEL WILL BE APPROXIMATELY 5'-6" BELOW THE LOW LIQUID LEVEL IS THE LEVEL AT WHICH 100% OF THE FLUIDS RETURN TO THE TANK. FOR MOST RESIDENTIAL RECOMMENDED SIZES VOLUME IS APPROXIMATELY 150 TO 250 GALLONS (APPROX. 10% TO 100% OF ACTUAL FLOW). THE SURGE VOLUME BETWEEN THE LOW LIQUID LEVEL AND THE HIGH WATER ALARM POINT FOR MODE 3 INSTALLATIONS, THE DUCKBILL MODE WHICH HAS A FLEXIBLE PVC TUBE THAT VENTS THE RSV (AGE TO ATMOSPHERE).

PLUMBING TYPICALLY THE BOTTOM PLUMBING SHOULD BE POSITIONED AS CLOSE TO THE TOP OF THE BUREAU CHAMBER AS POSSIBLE. IT IS TYPICALLY SET ONE TO TWO INCHES BELOW THE INVERT OF THE TANK INLET. FOR MOST RESIDENTIAL APPLICATIONS, SURGE VOLUME IS APPROXIMATELY 150 TO 250 GALLONS. THE SURGE VOLUME BETWEEN THE LOW LIQUID LEVEL AND THE HIGH WATER LEVEL IS SURE TO CHECK THE PLANS FOR ANY SITE-SPECIFIC OR TANK-SPECIFIC FLOAT SETTINGS.



LEGEND:

- PERIMETER BOUNDARY
- ADJUTING PROPERTY LINE
- EXISTING CONTOUR ELEVATION
- PROPOSED CONTOUR ELEVATION
- EXISTING STONEWALL
- WETLAND FLAG LOCATION & NUMBER
- FLAGGED WETLAND LINE
- PROPOSED PLANTING
- STAKED HAYBALES/SILT FENCING & APPROX. LIMIT OF DISTURBANCE
- EXISTING STONE BOUND

GENERAL NOTES
(ONLY CIRCLED NOTES APPLY.)

- DISTRIBUTION BOX TO BE 3 SQ.FT. MIN. & BE PROVIDED A SUITABLE BAFFLE.
- SEPTIC TANK TO BE PROVIDED WITH EFFLUENT FILTER & AN INLET TEE & OUTLET TEE.
- MAINTAIN INVERT ELEVATION 28.50 FOR 5 FEET AROUND THE BOTTOMLESS SAND FILTER AND ELEVATION 28.25 FOR 10 FT. AROUND THE SEPTIC TANK, UNLESS OTHERWISE NOTED.
- THERE ARE NO WELLS WITHIN 200 FT. OF THE PROPOSED SEPTIC SYSTEM, UNLESS SHOWN ON PLAN.
- THERE ARE NO SEPTIC SYSTEMS WITHIN 100 FT. OF THE PROPOSED WELL, UNLESS SHOWN ON PLAN.
- THERE ARE NO DRAINS EXISTING OR PROPOSED WITHIN 25 FT. OF THE PROPOSED SEPTIC SYSTEM, UNLESS SHOWN ON PLAN.
- SCHEDULE 35-SDR P.V.C. PIPE FOR ALL 150S PIPING UNLESS OTHERWISE NOTED.
- THE BOTTOMLESS SAND FILTER AND EXTENDING 2 FT. INTO THE BOTTOMLESS SAND FILTER PERIMETER FROM SIDE WALLS MUST BE STRIPPED OF TREES, BRUSH, TOPSOIL, SUBSOIL, UNDESIRABLE MATERIAL AND SOIL CONTAINING FINES AND THE EXCAVATION SCARIFIED AND BACKFILLED WITH CLEAN COARSE GRAVEL. (REF:5011.99)
- HEAVY MACHINERY SHALL NOT BE PERMITTED TO DRIVE OVER THE LEACH FIELD.
- FOR PROPER PERFORMANCE, THE SEPTIC TANK AND EFFLUENT FILTER SHOULD BE INSPECTED AT LEAST ONCE A YEAR & WHEN THE TOTAL DEPTH OF SCUM AND SOLIDS EXCEED 1/3 THE LIQUID DEPTH OF THE TANK, THE TANK SHOULD BE PUMPED.
- THE DESIGNER SHALL NOT BE RESPONSIBLE FOR THE PERFORMANCE OF THIS SYSTEM UNLESS CONSTRUCTED AS SHOWN. ANY OTHER ALTERATIONS MUST BE APPROVED IN WRITING BY THE DESIGNER.
- PROPERTY LINES, UNLESS OTHERWISE INDICATED CONFORM TO A CLASS III STANDARD AS ADOPTED BY THE RHODE ISLAND BOARD OF PROFESSIONAL LAND SURVEYORS.
- THERE ARE NO PUBLIC WELLS WITHIN 500 FT. OF THE PROPOSED I.S.D.S., EXCEPT AS SHOWN.
- THERE ARE NO COASTAL PONDS OR TRIBUTARIES THERETO INCLUDING STORM AND SUBSURFACE DRAINS DIRECTLY DISCHARGING THERETO WITHIN 200 FT. OF THE PROPOSED I.S.D.S., EXCEPT AS SHOWN.
- SUBJECT PARCEL IS SITUATED IN THE COASTAL POND CRITICAL RESOURCE AREA.
- BE-PLUMB EXISTING STRUCTURE AS NECESSARY TO MATCH THE INVERTS OF THE PROPOSED SEPTIC SYSTEM.
- BENCHMARK TO BE SET WITHIN 150 FT. OF THE PROPOSED I.S.D.S. LOCATION, PRIOR TO CONSTRUCTION.
- ALL OTHER DESIGN, CONSTRUCTION AND MAINTENANCE REQUIREMENTS, WHETHER NOTED HEREON, OR NOT SHALL CONFORM WITH THE RULES & REGULATIONS ESTABLISHING MINIMUM STANDARDS RELATIVE TO LOCATION, DESIGN, CONSTRUCTION AND MAINTENANCE OF INDIVIDUAL SEWER DISPOSAL SYSTEMS, SEPTEMBER, 1998 BY RESOLUTION AUTHORITY SECTION 42-171-2 (REV. 18) & (S) OF THE RHODE ISLAND GENERAL LAWS OF 1956 AND ANY AMENDMENTS THERETO.

ZONING DISTRICT: R-80
PARCEL AREA = 98,142.7 ± 50 SQ. FT.
MINIMUM BUILDING SETBACKS:
* (SUBSTANDARD LOT OF RECORD)
FRONT YARD.....25 FEET
SIDE YARD.....8 FEET
REAR YARD.....20 FEET

MAXIMUM BUILDING AREA = 25.0% (*)
MAXIMUM IMPERVIOUS AREA = 25.0% (*)

SUBJECT PARCEL IS SITUATED IN THE COASTAL & FRESHWATER WETLAND OVERLAY DISTRICT THE HIGHWATER TABLE OVERLAY DISTRICT "A" SOIL SURVEY OF RHODE ISLAND - ISSUED JULY 1991. THE HIGHWATER TABLE OVERLAY DISTRICT "B" IN AREA OF PROPOSED I.S.D.S. PER SOIL EVALUATION REPORT (RIGHT).

LICENSED DESIGNER SYSTEM REQUIREMENTS:

NOTICE TO OWNER & INSTALLER - THE EXACT LOCATION OF THE PROPOSED LEACHING SYSTEM SHALL BE FIELD STAKED BY THE LICENSED DESIGNER AS PART OF HIS CONSTRUCTION OBSERVATION CONTRACT WITH THE OWNER. A 72 HOUR NOTICE IS HEREBY REQUIRED PRIOR TO THE START OF ANY CONSTRUCTION. A PRE-CONSTRUCTION MEETING BETWEEN THE LICENSED DESIGNER & LICENSED INSTALLER AT THE SITE IS REQUIRED FOLLOWING THE FIELD STAKING OF THE LEACHING SYSTEM.

A. THE DESIGNER MUST AT A MINIMUM, INSPECT AND MAKE MEASUREMENTS, WHERE APPROPRIATE, OF THE FOLLOWING COMPONENTS AND STEPS IN THE INSTALLATION OF THE 150S STAKING OF THE LEACHING SYSTEM.

- THE EXPOSED BOTTOM OF THE EXCAVATION FOR THE LEACH FIELD;
- THE SIZE AND CONDITION OF ALL STRUCTURES SUCH AS THE SEPTIC TANK, D-BOX;
- THE ELEVATIONS OF ALL PIPE INVERTS;
- ALL SAND MEDIA, PEA STONE AND AGGREGATE IS IN ACCORDANCE WITH SPECIFICATIONS;
- COMPLETED INSTALLATION PRIOR TO COVERING;
- THE TYPE OF BACKFILL AND THAT THE BACKFILL IS PROPERLY PLACED AND COMPACTED, PLACED IN ACCORDANCE WITH THE DESIGN PLAN;
- FINAL SOIL COVER INCLUDING 25 FT PERIMETER; AND
- ALL HORIZONTAL SET-BACKS, INCLUDING FROM THE BUILDING AND ANY WELLS ON-SITE OR ON ADJUTING LOTS.

B. IF CONDITIONS ARE ENCOUNTERED DURING CONSTRUCTION WHICH INDICATE THAT THE SYSTEM CANNOT BE INSTALLED OR IS NOT INSTALLED IN ACCORDANCE WITH THE PERMIT, OR ANY TERMS AND CONDITIONS CONTAINED THEREIN, THE DESIGNER SHALL NOTIFY THE DIRECTOR AS SOON AS POSSIBLE, BUT NO LATER THAN 24 HOURS AFTER DISCOVERY. THE DEPARTMENT SHALL ISSUE WRITTEN GUIDANCE ON SPECIFICATIONS FOR CONSTRUCTION TOLERANCES AS WELL AS CONDITIONS UNDER WHICH AS-BUILT PLANS AND REDESIGNED PLANS ARE REQUIRED. THE INSTALLER SHALL STOP CONSTRUCTION IF CONDITIONS ARE SUCH THAT A REVISION IS REQUIRED. NOTIFICATION IS NOT REQUIRED IF ALL DESIGN ELEMENTS ARE WITHIN THE TOLERANCES ESTABLISHED BY THE DEPARTMENT THROUGH WRITTEN GUIDANCE.

C. THE INSTALLER SHALL PROVIDE THE LICENSED DESIGNER AT MINIMUM THE INFORMATION BELOW THAT CAN BE USED TO VERIFY THAT THE INSTALLATION OF THE 150S WAS PERFORMED AS SPECIFIED: DEPARTMENT THROUGH WRITTEN GUIDANCE.

- LIST OF ALL MATERIALS USED, THEIR SOURCE, AND THE DATES DELIVERED TO THE SITE; AND
- PRODUCT SPECIFICATION SHEETS, IF DIFFERENT FROM THOSE SPECIFIED IN THE APPROVED DESIGN.
- A MINIMUM OF TWO PHOTOGRAPHS OF THE SYSTEM BEING INSTALLED;

D. CERTIFICATE OF CONSTRUCTION

- THE DESIGNER THAT IS RESPONSIBLE FOR THE SYSTEM INSTALLATION IN ACCORDANCE WITH 50 27.00(c) SHALL COMPLETE A CERTIFICATE OF CONSTRUCTION THAT CERTIFIES THAT THE 150S WAS INSTALLED IN CONFORMANCE WITH THE APPROVED APPLICATION, PLANS, SPECIFICATIONS, APPLICABLE STATUTES AND REGULATIONS AND THAT HE OR SHE IS RESPONSIBLE FOR HAVING OBSERVED THE INSTALLATION. THE CERTIFICATE OF CONSTRUCTION SHALL BE ON FORMS PROVIDED BY THE DIRECTOR.
- THE CERTIFICATE OF CONSTRUCTION SHALL BE SUBMITTED TO THE DIRECTOR AFTER THE 150S, BUILDING FOUNDATION, DRINKING WATER WELL, AND OTHER APPURTENANCES, AS MAY BE SPECIFIED IN WRITTEN DEPARTMENT GUIDANCE AND HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE DESIGN PLAN.
- IN ADDITION TO THE CERTIFICATION IN 50 27.00(L)(1) ABOVE, THE CERTIFICATE OF CONSTRUCTION SHALL INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING:
 - NAME AND LICENSE NUMBER OF THE DESIGNER;
 - NAME AND LICENSE NUMBER OF THE INSTALLER;
 - DISTANCES FROM TWO BUILDING FOUNDATION CORNERS TO THE SEPTIC TANK MANHOLE, TO THE DISTRIBUTION BOX, AND TO THE LEACH FIELD CORNERS.

E. ONCE THE DESIGNER HAS CERTIFIED THAT THE 150S HAS BEEN PROPERLY INSTALLED, THE DESIGNER SHALL PROVIDE INFORMATION AND RECOMMENDATIONS TO THE OWNER OF THE 150S ON SYSTEM SPECIFIC OPERATION AND MAINTENANCE PRACTICES TO PREVENT AGAINST PREMATURE SYSTEM FAILURE AND POLLUTION OF THE WATERS OF THE STATE.

F. THE DESIGNER IS NOT RESPONSIBLE FOR ANY NEGLIGENCE ACT OR OMISSION OF A USER OF AN 150S, INCLUDING BUT NOT LIMITED TO, FAILURE TO PROPERLY USE AND MAINTAIN THE SYSTEM, WHICH CAUSES DAMAGE TO THE 150S.

G. THE OWNER OF THIS SEPTIC SYSTEM SHALL CONTINUOUSLY MAINTAIN A SERVICE CONTRACT WITH A QUALIFIED AND CERTIFIED SERVICE PROVIDER, FOR THE LIFE OF THE SEPTIC SYSTEM. THIS APPLIES TO ALL POSSIBLE FUTURE OWNERS OF THIS SEPTIC AS WELL, A COPY OF THIS SERVICE CONTRACT SHALL BE FILED IN THE TOWN LAND EVIDENCE RECORDS.

Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED JUL 02 2004 FILE # 04-092
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE.

Martin Wenzel

AMY N. SONDER
PROFESSIONAL LAND SURVEYOR
RIDEM-DESIGNER LIC.#02055
VALID ONLY WITH SIGNATURE & DATE

CRAG RICHARD CARRIGAN
REGISTERED PROFESSIONAL ENGINEER
RIDEM-DESIGNER LIC.#00005
VALID ONLY WITH SIGNATURE & DATE

RECEIVED
APR 21 2004
ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES

PROPOSED SITE PLAN
FOR A DWELLING & SEPTIC SYSTEM DESIGN
FOR PARCEL OF LAND BELONGING TO
MARCIA A. CHERELLO
ASSESSOR'S PLAT "X" / LOT 11
SITUATED IN THE TOWN OF
NARRAGANSETT, RHODE ISLAND
DATE: APRIL 2, 2004; SCALE: 1"=40'
PREPARED BY:
EASTERBROOKS & ASSOCIATES
750 BOSTON NECK ROAD NARRAGANSETT, R.I. 02882 TEL: 789-4010

JUN 29 2004