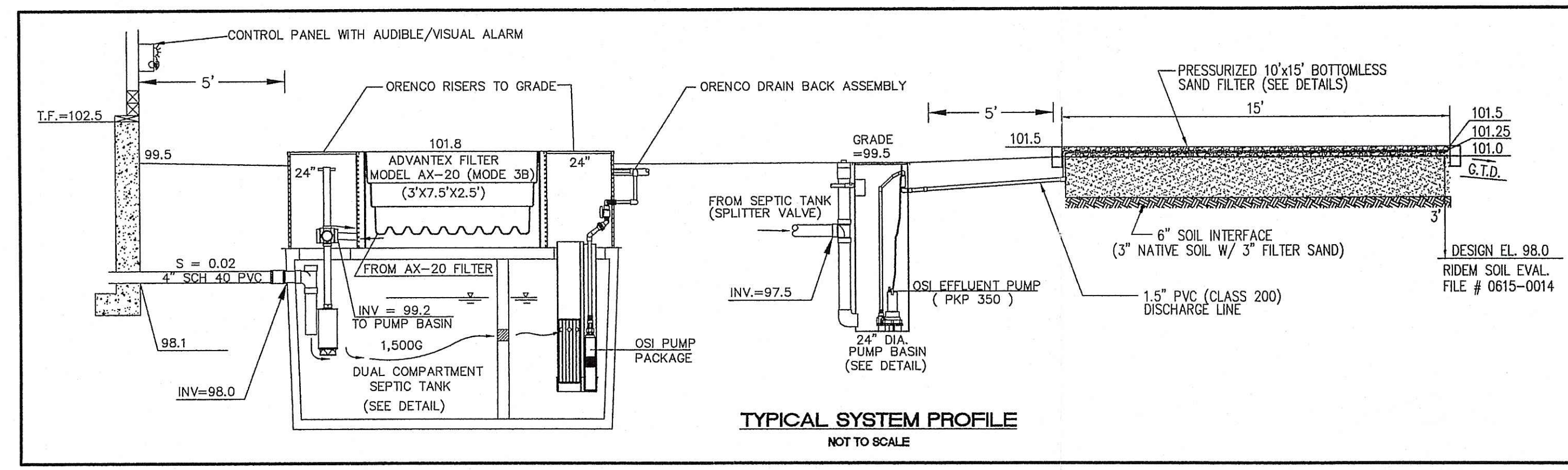
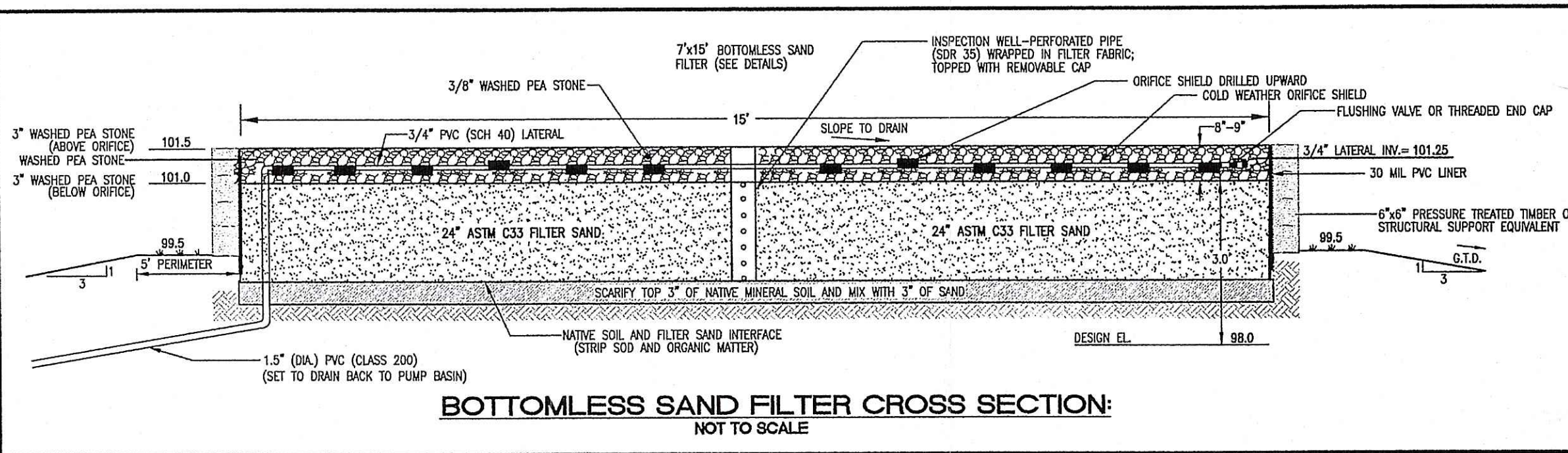
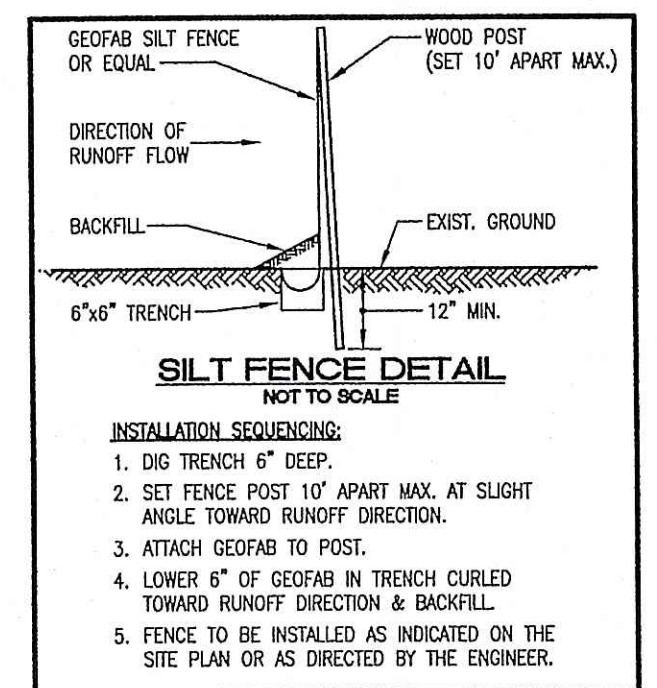
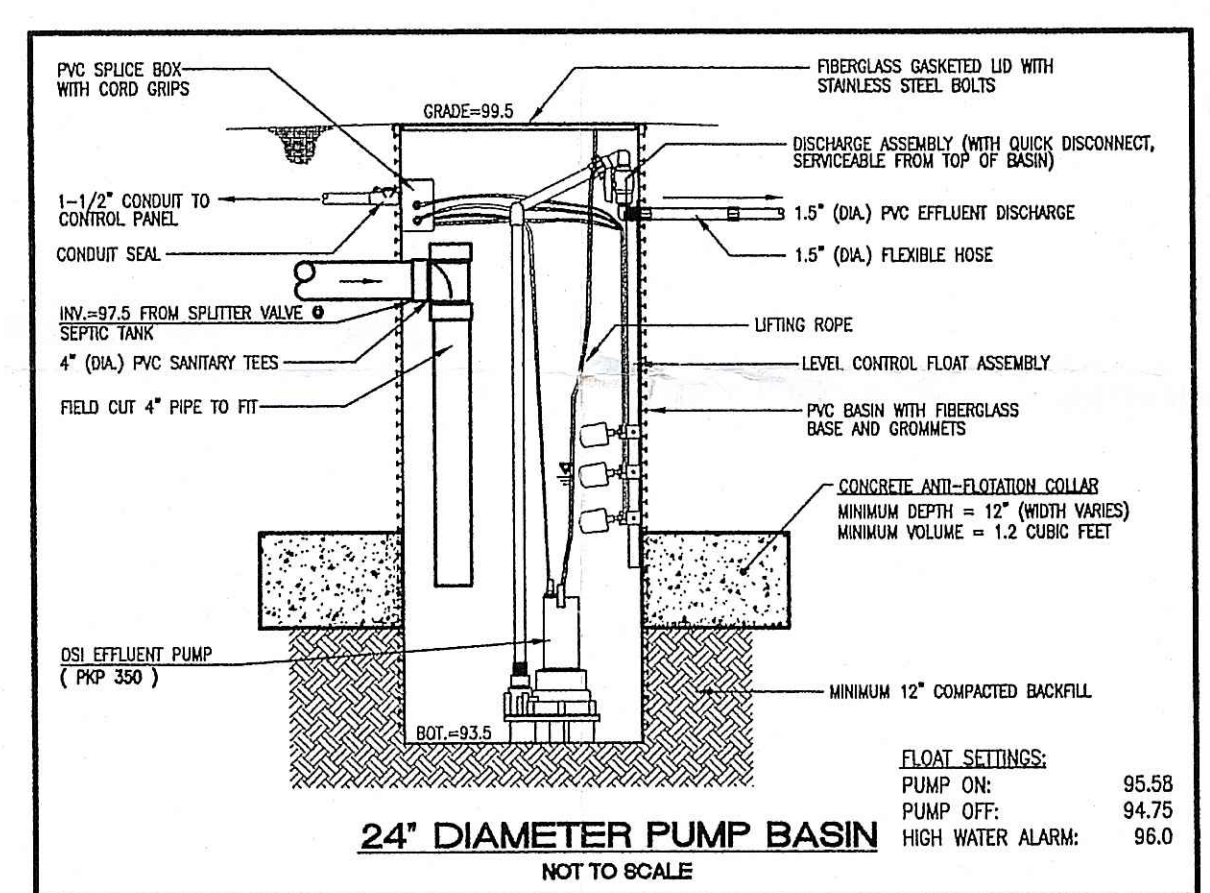
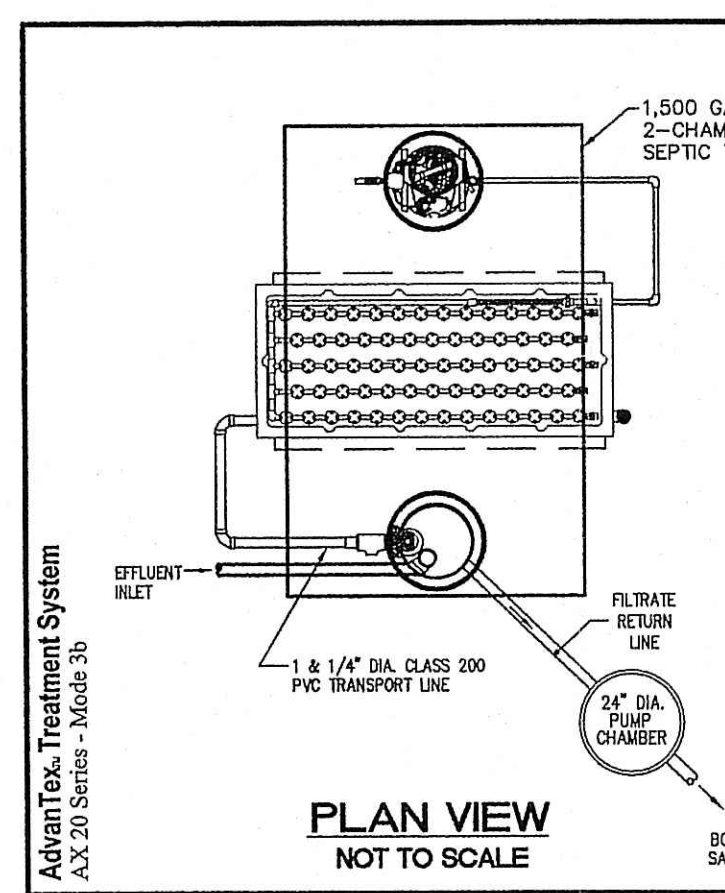
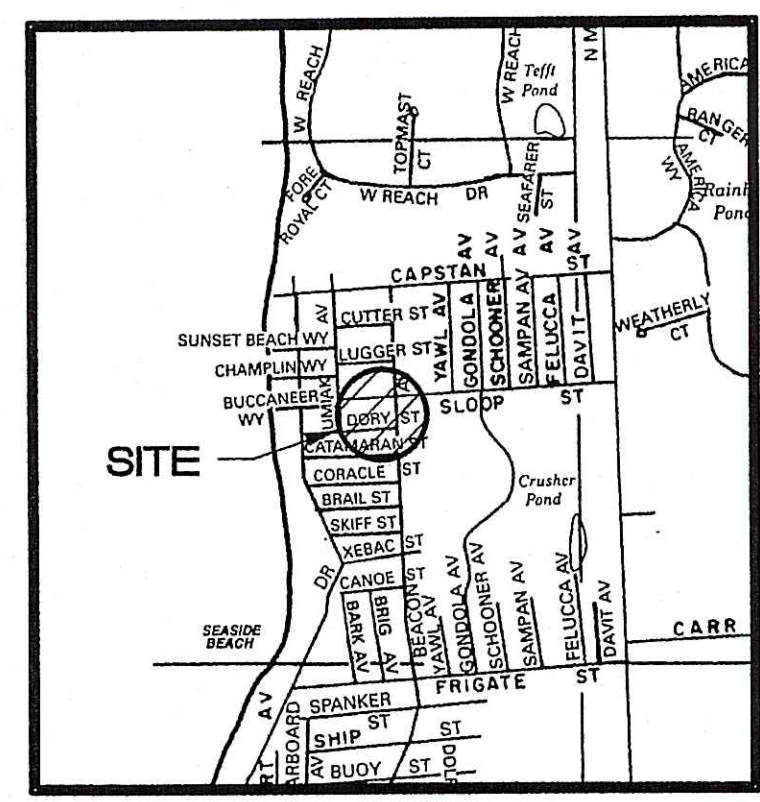
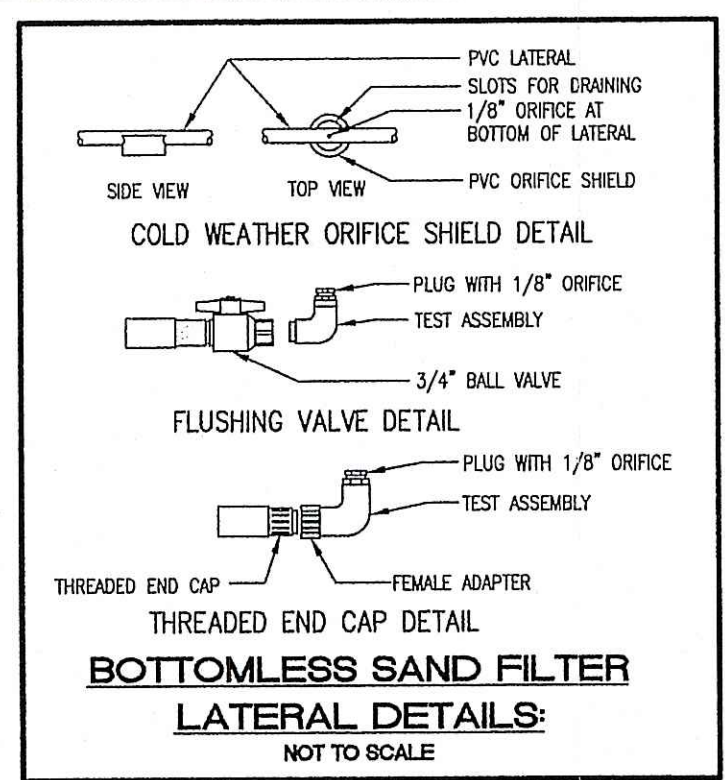
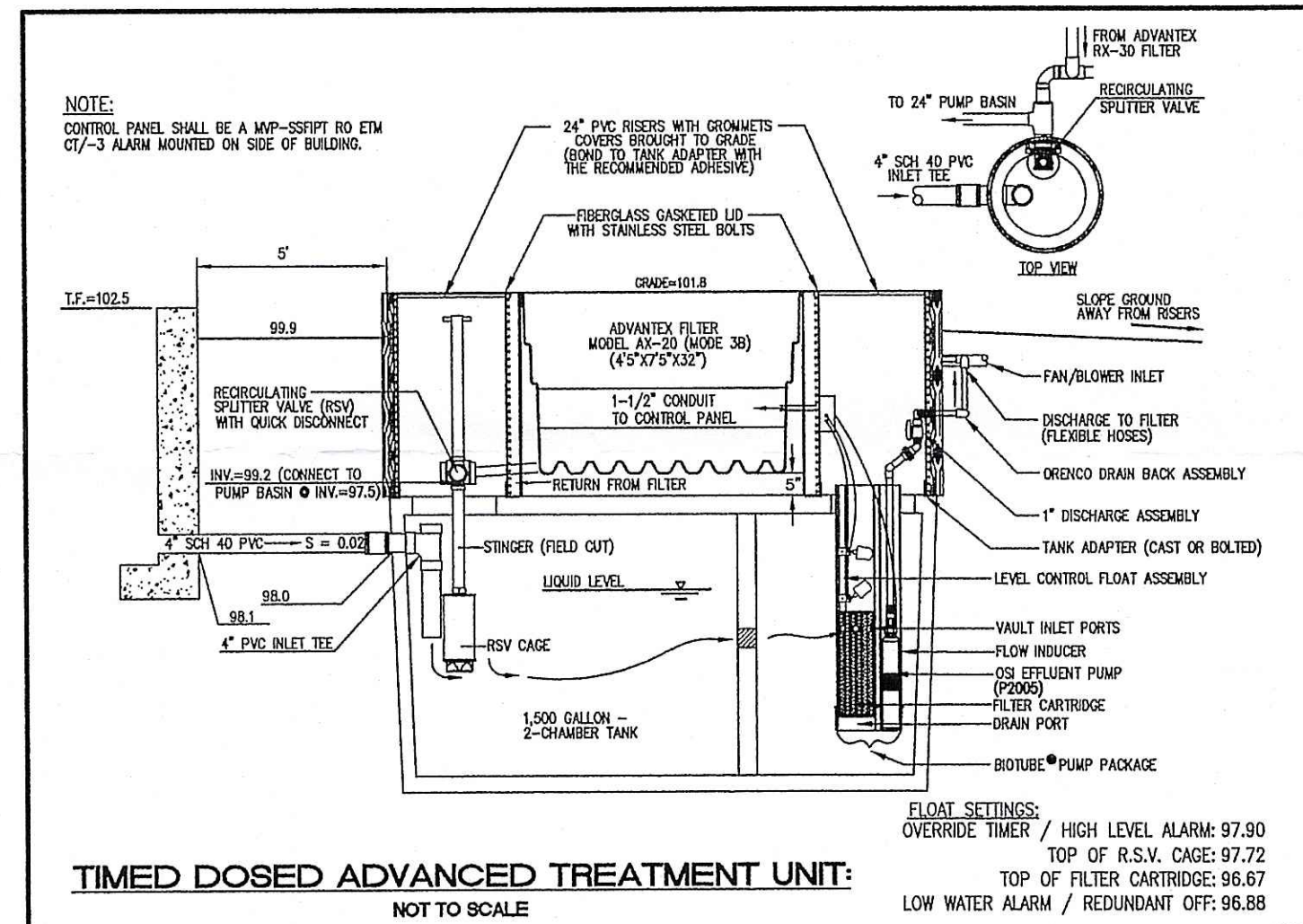
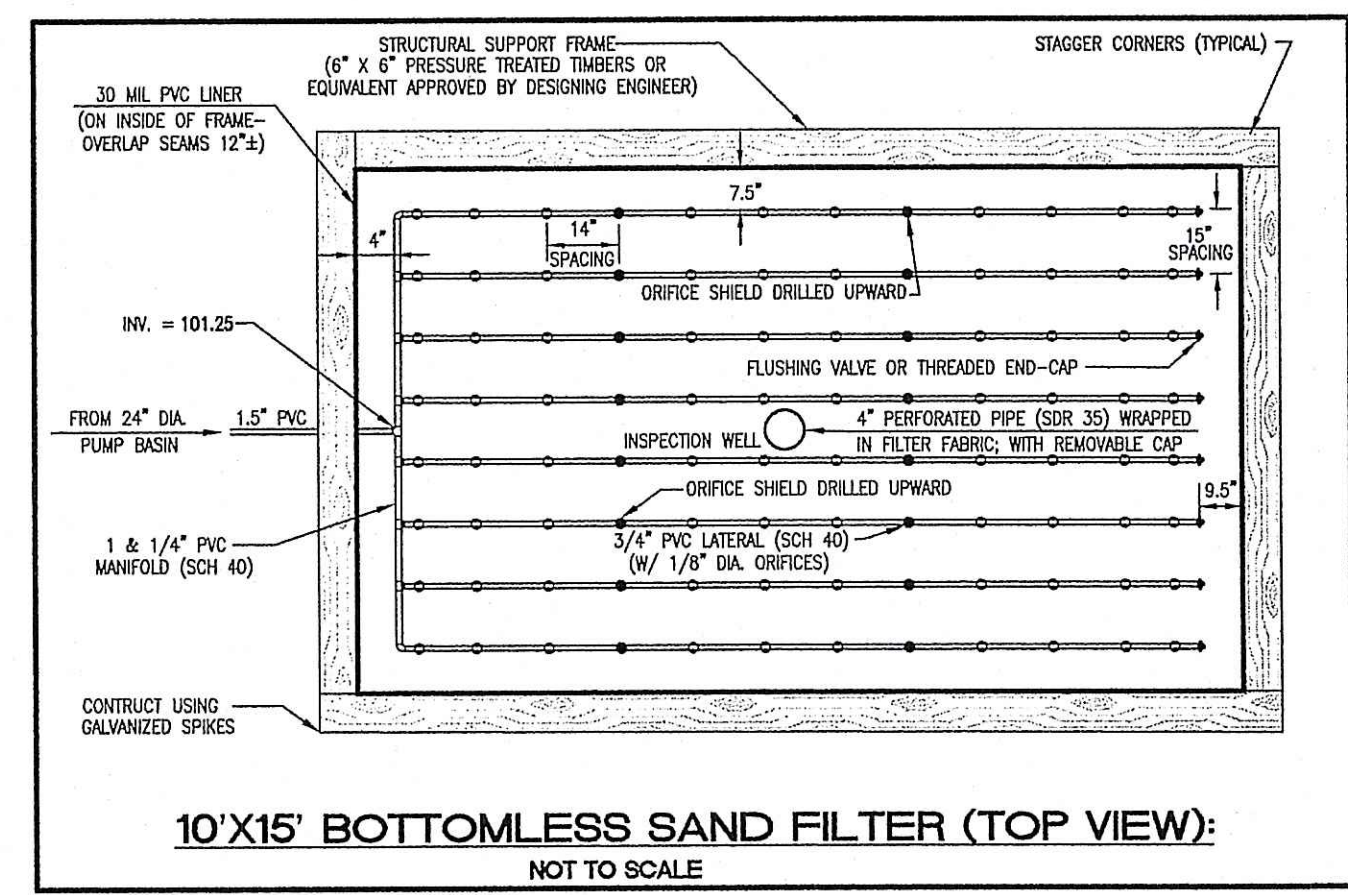
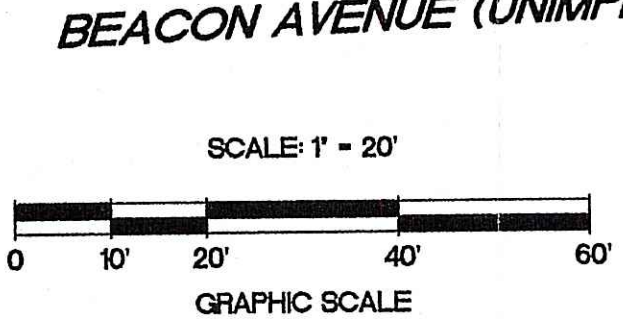
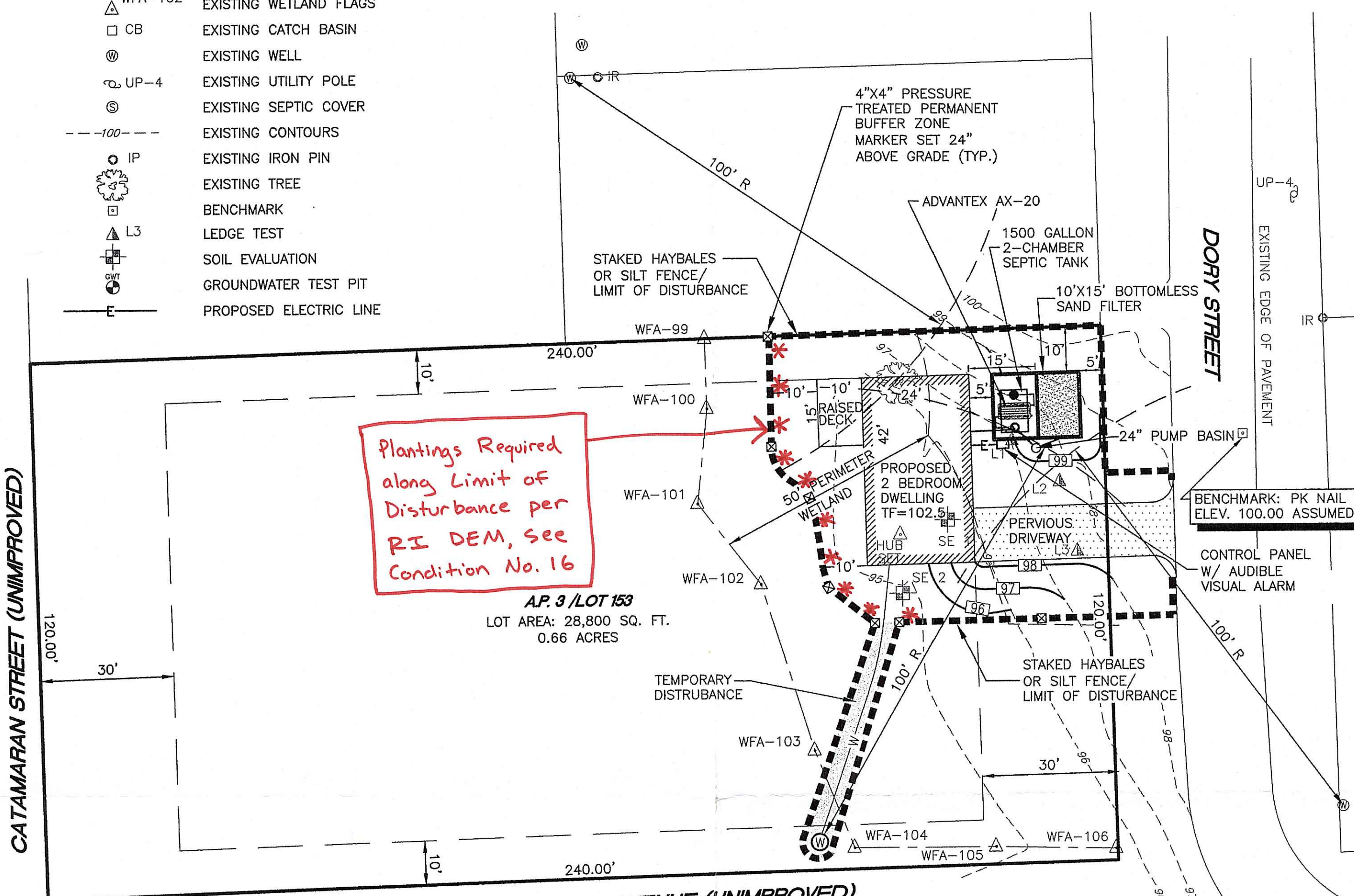
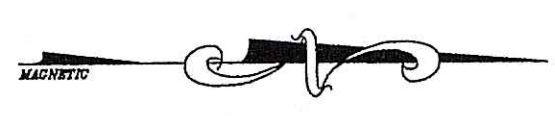


1489-ACAD2000\_USDS\_B-28-07\_R1.dwg (DISK: USDS-B)

**LEGEND**

- AP 3 / LOT 153 ASSESSOR'S PLAT/LOT NUMBER
- PROPERTY LINE
- - - - - EXISTING WETLAND EDGE
- - - - - 50' WETLAND PERIMETER
- ▲ WFA-102 EXISTING WETLAND FLAGS
- CB EXISTING CATCH BASIN
- ⊙ EXISTING WELL
- ⊕ UP-4 EXISTING UTILITY POLE
- ⊙ EXISTING SEPTIC COVER
- - - - - EXISTING CONTOURS
- ⊙ IP EXISTING IRON PIN
- ⊙ EXISTING TREE
- ⊙ L3 BENCHMARK
- ⊙ LEDGE TEST
- ⊙ SOIL EVALUATION
- ⊙ GROUNDWATER TEST PIT
- - - - - PROPOSED ELECTRIC LINE



**ISDS CONFORMANCE NOTE:**  
PRIOR TO RECEIVING A CERTIFICATE OF CONFORMANCE, THE HOMEOWNER SHALL FILE A COPY OF THE APPROVED ISDS PERMIT, OPERATION AND MAINTENANCE AGREEMENT AND MONITORING SCHEDULE OF THE ISDS WITH THE LAND EVIDENCE RECORDS OF THE MUNICIPALITY IN WHICH THE ISDS IS LOCATED. UPON RECORDING, THE HOMEOWNER SHALL SUBMIT TO R.I.D.E.M. A CERTIFIED COPY OF SAID RECORDED MATERIAL SETTING FORTH THE DATE AND TIME OF THE RECORDING AS WELL AS THE BOOK AND PAGE WHERE THIS MATERIAL CAN BE FOUND.

**MAINTENANCE NOTES:**  
1. THE SEPTIC TANK, ADVANTEX FILTER, PUMP SYSTEM AND BOTTOMLESS SAND FILTER SHALL BE MAINTAINED ANNUALLY.  
2. MAINTENANCE SHALL BE PERFORMED IN CONFORMANCE WITH THE PROCEDURES SPECIFIED IN THE COMPONENTS' OPERATION AND MAINTENANCE MANUAL AND IN ACCORDANCE WITH THE R.I.D.E.M. GUIDELINES FOR THE DESIGN AND USE OF BOTTOMLESS SAND FILTERS, NOVEMBER 2001, AS AMENDED.  
3. PUMP, FLOAT ASSEMBLY AND CONTROL PANEL SHALL BE CHECKED FOR PROPER OPERATION AND CYCLE TIMING.  
4. SCUM AND SLUDGE DEPTHS IN THE SEPTIC TANKS SHALL BE MEASURED AND LOGGED ANNUALLY. THE TANKS SHALL BE PUMPED IF THE SCUM DEPTH EXCEEDS 5\"/>

**INDIVIDUAL SEWAGE DISPOSAL SYSTEM NOTES:**  
1. ALL OTHER DESIGN, CONSTRUCTION AND MAINTENANCE REQUIREMENTS, WHETHER NOTED HEREON, OR NOT, SHALL BE IN CONFORMANCE WITH RULES AND REGULATIONS ESTABLISHING MINIMUM STANDARDS RELATING TO LOCATION, DESIGN, CONSTRUCTION AND MAINTENANCE OF INDIVIDUAL SEWAGE DISPOSAL SYSTEMS, JANUARY, 2002 BY THE R.I. DEPARTMENT OF ENVIRONMENTAL MANAGEMENT, AUTHORITY, CHAPTER 42-35 PURSUANT TO CHAPTERS 42-171, 25-19.5 AND 25-36.1 OF THE RHODE ISLAND GENERAL LAWS OF 1966, AS AMENDED, (ISDS REGULATIONS) COMPLY WITH ANY ADDITIONAL TERMS OF APPROVAL AS MAY BE REQUIRED BY R.I.D.E.M.  
2. ONLY A R.I.D.E.M. BOTTOMLESS SAND FILTER TRAINED INSTALLER SHALL BE ENGAGED TO INSTALL THIS ISDS.  
3. PRIOR TO THE START OF CONSTRUCTION, THE DESIGNER SHALL STAKE OUT AND PROTECT THE PROPOSED BOTTOMLESS SAND FILTER (BSF) LOCATION.  
4. CLEAR ALL TREES, STUMPS AND BRUSH WITHIN 10 FEET OF THE BSF. THIS BUFFER AREA SHALL REMAIN FREE OF ANY FUTURE TREES OR SHRUBS UNLESS APPROVED BY R.I.D.E.M.  
5. MAINTAIN LAND SURFACE ELEVATION 99.0 FOR 5' AROUND THE BSF.

**EQUIPMENT NOTES:**  
1. SEPTIC TANK SHALL BE PRECAST WATER TIGHT CONCRETE, 1,500 GALLON W/BAFFLE OR EQUIVALENT.  
2. ALL COMPONENTS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.  
3. ALL COMPONENTS AND INSTALLATION MUST BE INSPECTED AND APPROVED BY JOHN P. CAITO CORPORATION. ANY COMPONENT SUBSTITUTION MUST BE PRE-APPROVED BY JOHN P. CAITO CORPORATION PRIOR TO INSTALLATION.  
4. SEPTIC TANK AND PUMP BASIN INVERTS SHALL BE WATER TIGHT. CAST-IN-SEAL CONNECTORS (OR EQUIVALENT) SHALL BE UTILIZED ALONG WITH EZ-WRAP RUBBER ALONG ALL JOINTS.  
5. THE SEPTIC TANK SHALL BE MANUFACTURED IN ACCORDANCE WITH ASTM C-1227-02A STANDARDS. THE LATEST SUPERSEDING VERSION OF THIS STANDARD. UPON FINAL INSPECTION, THE CONTRACTOR SHALL PROVIDE JOHN P. CAITO CORPORATION WITH WRITTEN CERTIFICATION OF WATER TIGHTNESS.  
6. PUMPS SHALL BE EQUIPPED WITH A HIGH WATER LEVEL (VISIBLE AND AUDIBLE) ALARM POWERED BY A CIRCUIT SEPARATE FROM THE PUMP POWER. THE ALARM SHALL BE LOCATED IN AN OCCUPIED AREA OF THE DWELLING.  
7. ADVANCED TREATMENT UNITS AND THE PUMP DOSING THE BOTTOMLESS SAND FILTER SHALL BE WIRED ON THE SAME ELECTRICAL CIRCUIT.

**EXCAVATION NOTES:**  
1. SOD, VEGETATION OR DEAD/DECAYING ORGANIC LITTER SHALL BE REMOVED FROM THE AREA PLANNED FOR THE BOTTOMLESS SAND FILTER INSTALLATION. THREE (3) INCHES OF THE NATIVE SOIL MATERIAL SHALL BE SCARIFIED AND MIXED WITH THREE (3) INCHES OF THE SAND MEDIA.  
2. THE SAND MEDIA SHALL BE PLACED IN LEVEL, 8\"/>

**I.S.D.S. DESIGN DATA**  
(2 BEDROOM DWELLING)  
1500 GALLONS/BEDROOM = 300 GALLONS/DAY  
DESIGN SOIL CATEGORY = 3  
APPLICATION RATE = 3.0 GAL/SF/DAY  
MINIMUM AREA REQUIRED = 100 S.F.  
BSF DIMENSIONS = 10' x 15'  
TOTAL AREA PROVIDED = 150 S.F.

**ZONING: R-40**  
FRONT = 30 FT  
SIDE = 10 FT  
REAR = 30 FT  
CORNER = 20 FT

**FLOOD NOTE:**  
THIS PROPERTY IS LOCATED IN ZONE C-AREAS OF MINIMAL FLOODING, AS DELINEATED ON NATIONAL FLOOD INSURANCE RATE MAP ENTITLED "TOWN OF JAMESTOWN RHODE ISLAND NEWPORT COUNTY COMMUNITY-PANEL NUMBER 44399 0003 B MAP REVISED: FEBRUARY 19, 1986."

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED MAY 09 2008 FILE # 08-0097  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

JOHN P. CAITO  
REGISTERED PROFESSIONAL ENGINEER  
NO. 4398

CIVIL ENGINEERS  
CORPORATION  
LAND PLANNERS  
141 JAMES P. MURPHY HIGHWAY  
WEST WARWICK, RHODE ISLAND 02893  
401-615-6600  
FAX: 401-615-6606

PROJECT NO: 7931499  
DATE: AUGUST 2007  
SCALE: 1" = 20'  
DESIGNED BY: J.P.C.  
DRAWN BY: C.M.W.  
CHECKED BY: J.P.C.

PLAN OF PROPOSED INDIVIDUAL SEWAGE DISPOSAL SYSTEM  
ASSESSOR'S PLAT 3/ LOT 153  
DORY STREET  
JAMESTOWN RHODE ISLAND  
PREPARED FOR  
CLAUDIA J. VILLAMIZAR

DRAWING NUMBER  
**1**  
SHEET 1 OF 1