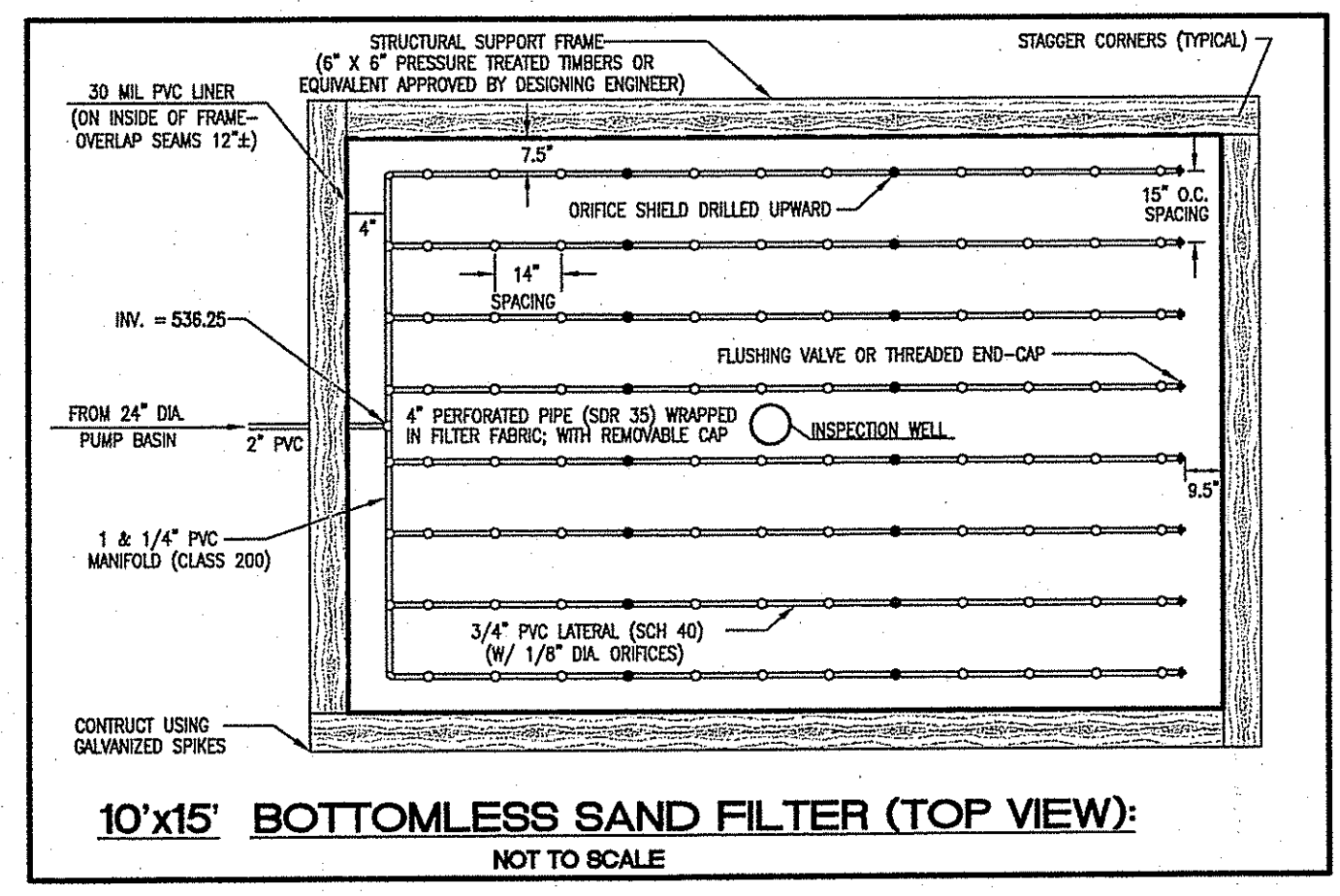


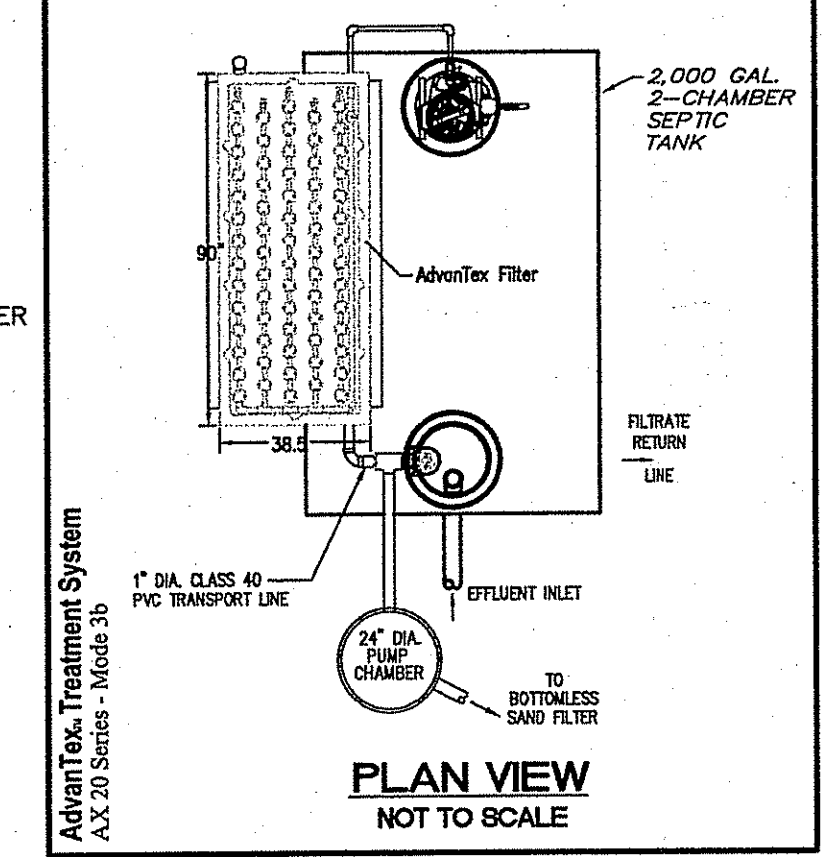
1566B-OWTS-LOT 9.dwg (DISK 2-1043)
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EXISTING BENCHMARK:
RAILROAD SPIK IN POLE # 94
ELEVATION = 512.71
DATUM: MSL

PROPOSED BENCHMARK:
PRIOR TO THE START OF CONSTRUCTION,
THE INSTALLER SHALL SET A PERMANENT
BENCHMARK WITHIN 150 FEET OF THE
PROPOSED SYSTEM

- LEGEND:**
- PROPERTY LINE
 - ABUTTER PROPERTY LINE
 - BUILDING SETBACK LINE
 - EXISTING STONE WALL
 - EXISTING COUNTOUR
 - SOIL EVALUATION TEST W/ DEPTH TO GROUND WATER
 - 100' WELL RADIUS
 - PROPOSED WATER
 - PROPOSED CONTOUR
 - PROPOSED WELL
 - PROPOSED ELECTRIC



- EXCAVATION NOTES:**
- 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.
 - THE SAND MEDIA SHALL BE PLACED IN LEVEL, 8" LIFTS WITHIN THE BOTTOMLESS SAND FILTER AND "WETTED" SLIGHTLY DURING INSTALLATION.

- MAINTENANCE NOTES:**
- THE SEPTIC TANK, ADVANTEX FILTER, PUMP SYSTEM AND BOTTOMLESS SAND FILTER SHALL BE MAINTAINED ANNUALLY.
 - MAINTENANCE SHALL BE PERFORMED IN CONFORMANCE WITH THE PROCEDURES SPECIFIED IN THE COMPONENT'S 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.
 - PUMP, FLOAT ASSEMBLY AND CONTROL PANEL SHALL BE CHECKED FOR PROPER OPERATION AND CYCLE TIMING.
 - 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", THE SLUDGE DEPTH EXCEEDS 13" OR THE DEPTH OF THE COMBINED SOLIDS (SCUM AND SLUDGE) EXCEEDS 16".

O.W.T.S. DESIGN DATA

(4 BEDROOM DWELLING)

| | | |
|----------------------|---|-----------------|
| 115 GALLONS/BEDROOM | = | 460 GALLONS/DAY |
| DESIGN SOIL CATEGORY | = | 4 |
| LOADING RATE | = | 0.61 GAL/SF/DAY |
| AREA REQUIRED | = | 115 S.F. |
| BSF DIMENSIONS | = | 10' x 15' |
| TOTAL AREA PROVIDED | = | 150 S.F. |

ZONING: RR-120

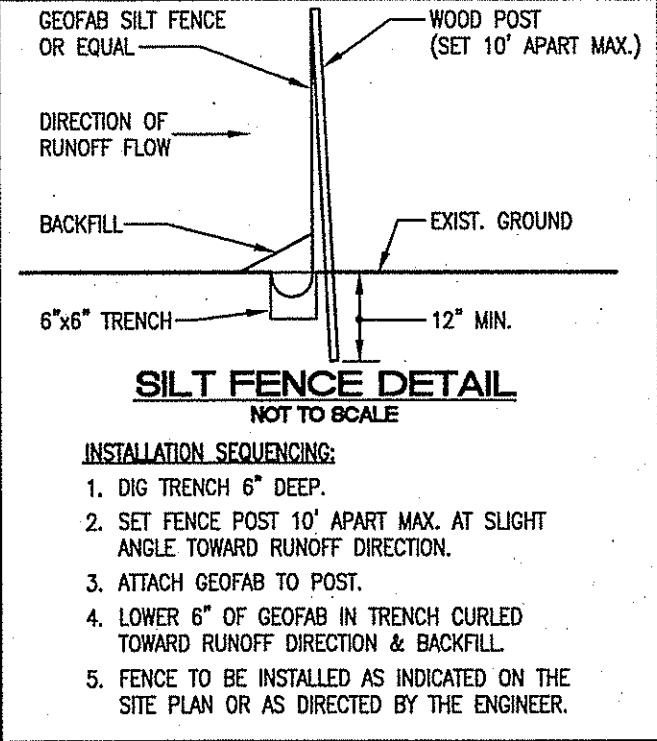
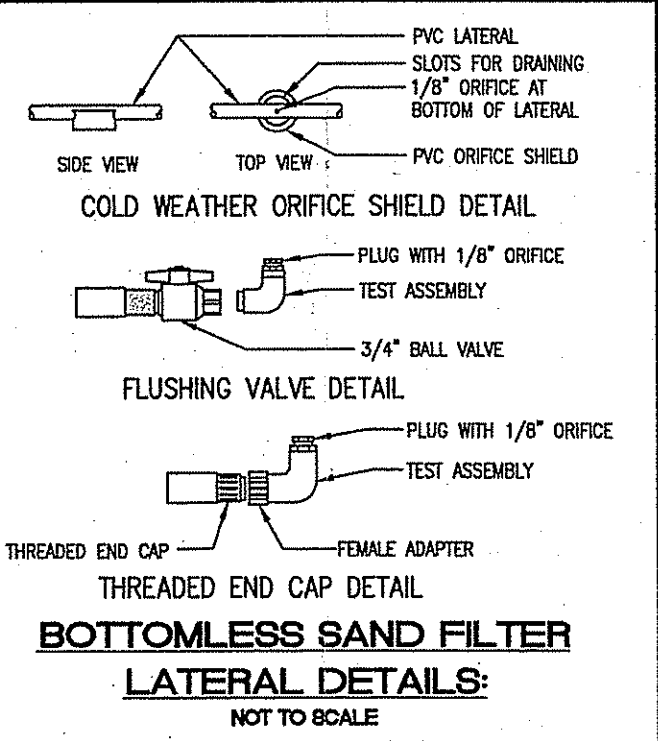
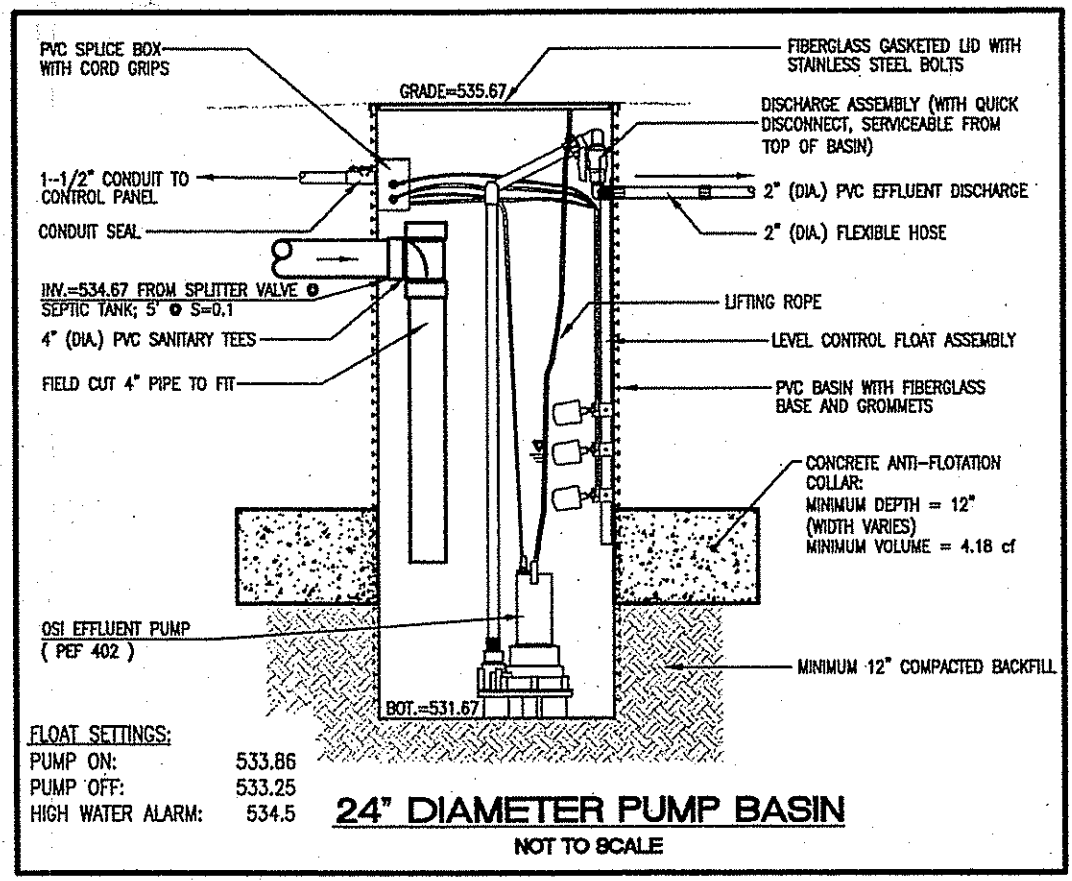
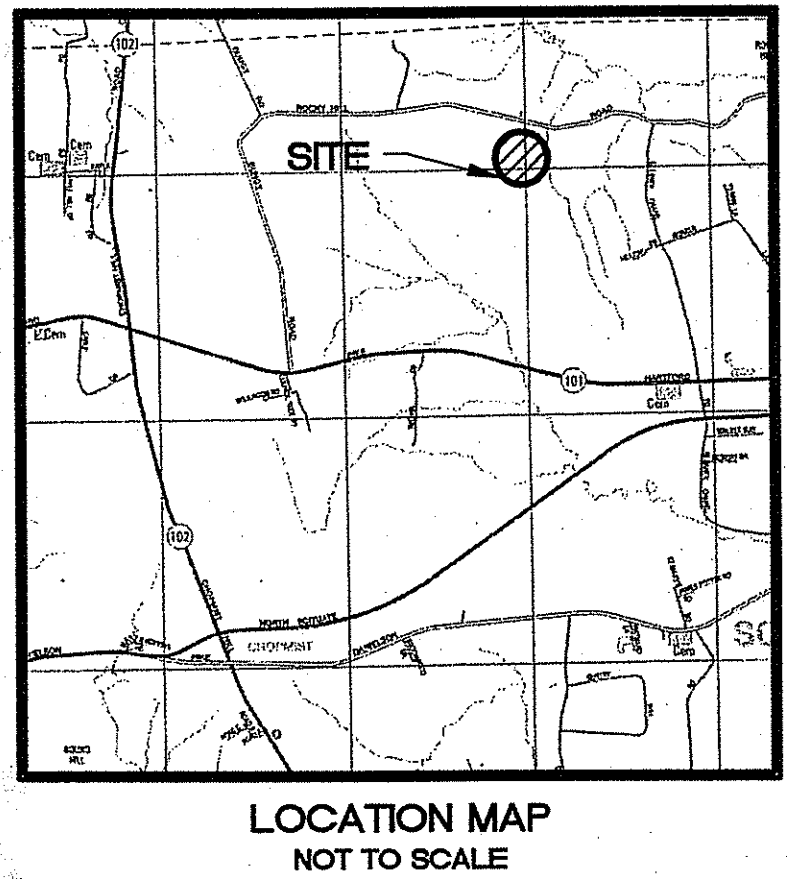
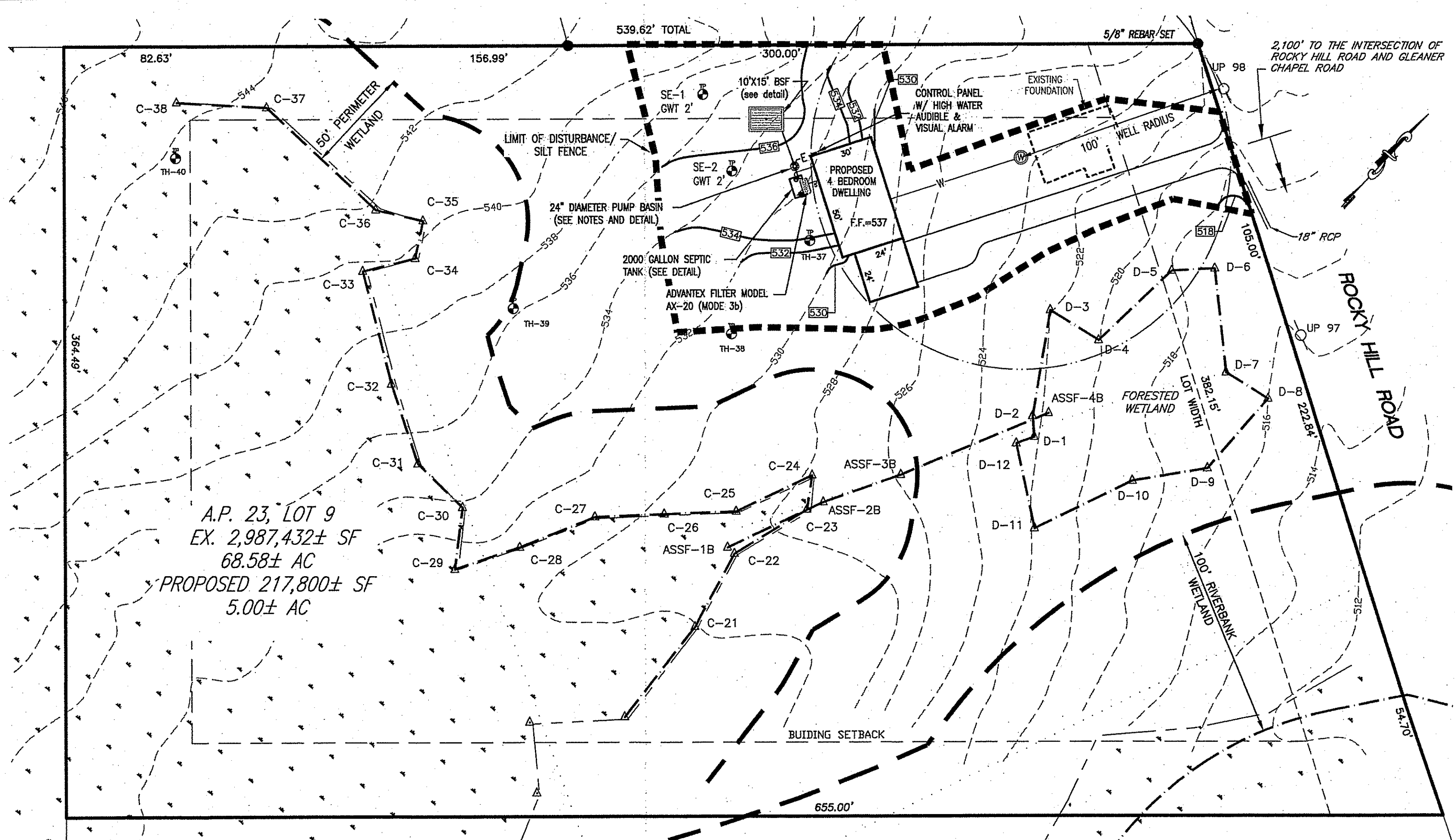
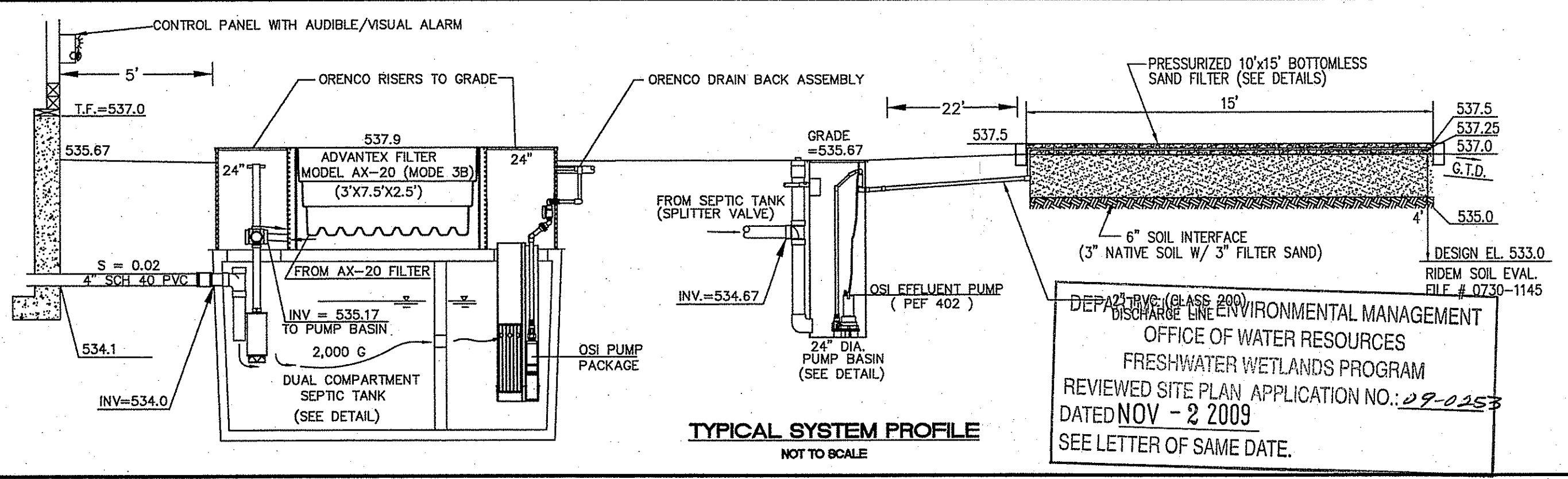
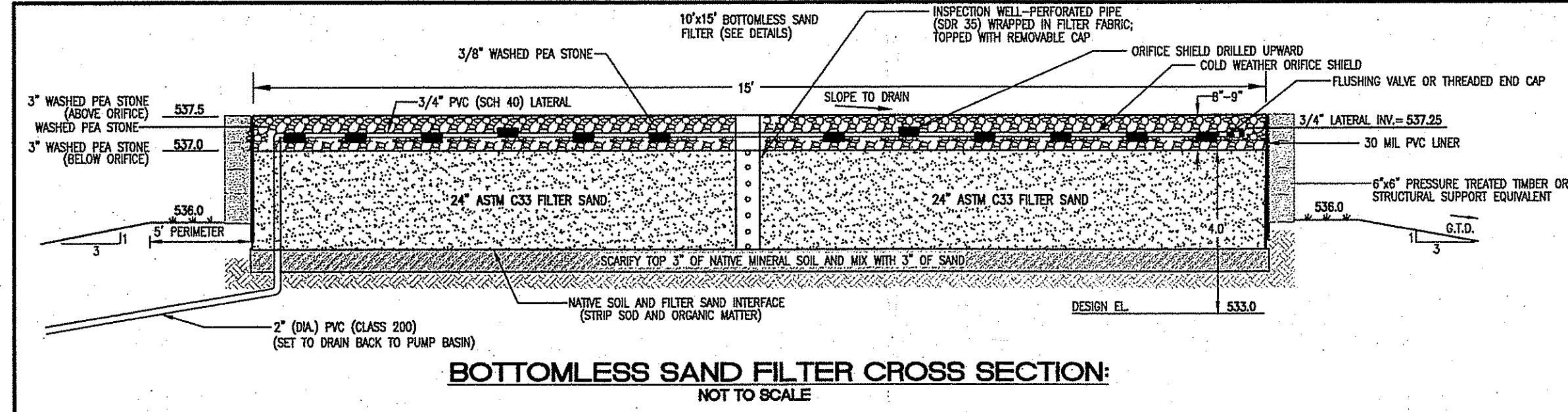
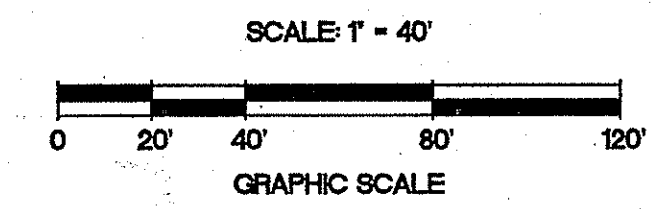
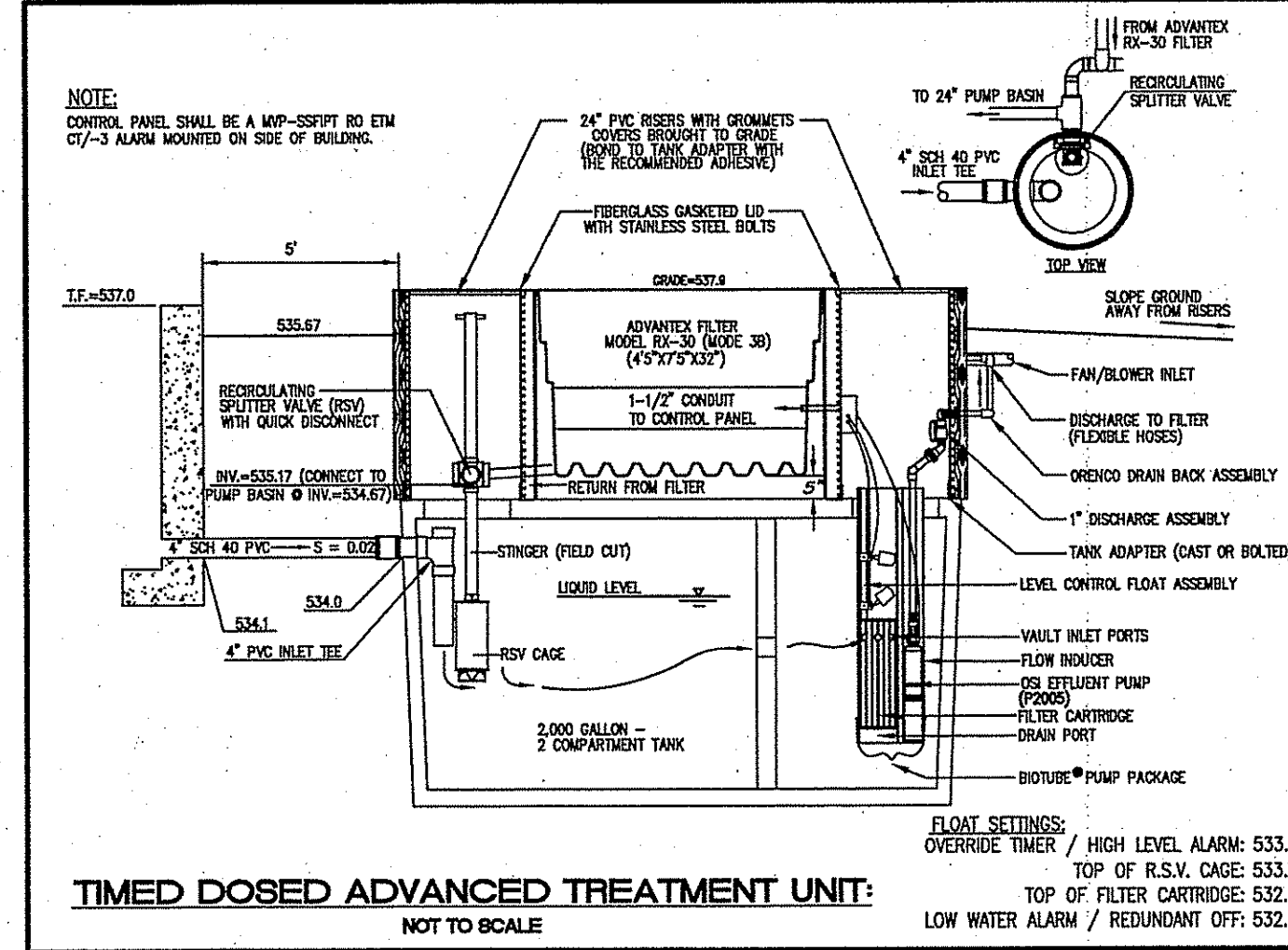
| | |
|-------|-------|
| FRONT | 50 FT |
| SIDE | 35 FT |
| REAR | 60 FT |

- EQUIPMENT NOTES:**
- SEPTIC TANK SHALL BE PRECAST WATER-TIGHT CONCRETE, 2,000 GALLON W/Baffle OR EQUIVALENT.
 - ALL COMPONENTS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.
 - 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.
 - 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.
 - THE SEPTIC TANK SHALL BE MANUFACTURED IN ACCORDANCE WITH ASTM C-1227-02A STANDARDS OR THE LATEST SUPERSEDING VERSION OF THIS STANDARD. UPON FINAL INSPECTION, THE CONTRACTOR SHALL PROVIDE JOHN P. CAITO CORPORATION WITH WRITTEN CERTIFICATION OF WATER-TIGHTNESS.
 - 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.
 - ADVANCED TREATMENT UNITS AND THE PUMP DOSING THE BOTTOMLESS SAND FILTER SHALL BE WIRED ON THE SAME ELECTRICAL CIRCUIT.

- ONSITE WASTEWATER TREATMENT SYSTEM NOTES:**
- 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 ONSITE WASTEWATER TREATMENT SYSTEMS, JANUARY 1, 2008 BY THE R.I. DEPARTMENT OF ENVIRONMENTAL MANAGEMENT, AUTHORITY: CHAPTER 42-35 PURSUANT TO CHAPTERS 42-17.1, 23-19.5, 23-24.3, 6-96 AND 6-96.1 OF THE RHODE ISLAND GENERAL LAWS OF 1956, AS AMENDED (OWTS REGULATIONS).
 - COMPLY WITH ANY ADDITIONAL TERMS OF APPROVAL AS MAY BE REQUIRED BY R.I.D.E.M.
 - ONLY A R.I.D.E.M. BOTTOMLESS SAND FILTER TYPED AS INSTALLED SHALL BE ENGAGED TO INSTALL THIS OWTS.
 - PRIOR TO THE START OF CONSTRUCTION, THE DESIGNER SHALL STAKE OUT AND PROTECT THE PROPOSED BOTTOMLESS SAND FILTER (BSF) LOCATION.
 - 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.
 - MAINTAIN LAND SURFACE ELEVATION 533.0 FOR 5' AROUND THE BSF.
 - ALL NON-PRESSURE PIPING AND FITTINGS SHALL BE SCH 40 PVC, UNLESS OTHERWISE NOTED.
 - ALL PRESSURE PIPING SHALL BE A MINIMUM CLASS 200 PVC, UNLESS OTHERWISE NOTED.
 - THE TWO (2) ORIFICES THAT ARE LOCATED APPROXIMATELY 1/3 AND 2/3, RESPECTIVELY, ALONG THE LENGTH OF EACH LATERAL OR THE 4TH AND 8TH ORIFICE, SHALL BE DRILLED UPWARD.
 - THERE SHALL BE NO SUBSURFACE, FOUNDATION, OR STORM DRAINS WITHIN 25 FEET OF THE PROPOSED OWTS.
 - NO LOAM OR VEGETATIVE PLANTINGS SHALL BE PLACED OVER THE TOP LAYER OF PEA GRAVEL-SURFACE OF THE BSF.
 - DIRECT STORMWATER AWAY FROM BSF.
 - KEEP HEAVY EQUIPMENT AND IMPERMEABLE MATERIALS OFF BSF SURFACE.
 - THERE ARE NO OTHER KNOWN PUBLIC WELLS, EXISTING OR PROPOSED, WITHIN 500 FEET OF THE PROPOSED OWTS (OR ALTERNATE AREA) OTHER THAN THOSE SHOWN.
 - THERE ARE NO OTHER KNOWN WELLS, EXISTING OR PROPOSED, WITHIN 200 FEET OF THE PROPOSED OWTS (OR ALTERNATE AREA) NOR ARE THERE ANY OTHER O.W.T.S. S, EXISTING OR PROPOSED, WITHIN 100 FEET OF THE PROPOSED WELL, EXCEPT AS NOTED.

OWTS CONFORMANCE NOTE:
PRIOR TO RECEIVING A CERTIFICATE OF CONFORMANCE, THE HOMEOWNER SHALL FILE A COPY OF THE APPROVED OWTS PERMIT, OPERATION AND MAINTENANCE AGREEMENT AND MONITORING SCHEDULE OF THE OWTS WITH THE LAND EVIDENCE RECORDS OF THE MUNICIPALITY IN WHICH THE OWTS 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.

FLOOD NOTE:
THIS PROPERTY IS LOCATED IN ZONE X-AREAS OUTSIDE OF THE 500 YR FLOOD PLANE, AS DELINEATED ON NATIONAL FLOOD INSURANCE RATE MAP ENTITLED "PROVIDENCE COUNTY, RHODE ISLAND, PANEL 260 OF 451, SITUATE, COMMUNITY-PANEL NUMBER 440024 EFFECTIVE DATE: MARCH 2, 2009"



REVISION
NO. DATE
RECEIVED
SEP 30 2009
JOHN P. CAITO
REGISTERED PROFESSIONAL ENGINEER
CIVIL ENGINEERS
141 JAMES P. WILBERT HIGHWAY
WEST WARWICK, RHODE ISLAND
02893-8382
401-515-8600
FAX: 401-515-8606
CORPORATION
LAND PLANNERS
PROJECT NO: 3351566A
DATE: SEPTEMBER, 2009
SCALE: 1" = 40'
DESIGNED BY: J.C.H.
DRAWN BY: M.J.V.
CHECKED BY: J.P.C.
PLAN OF PROPOSED
ONSITE WASTEWATER TREATMENT SYSTEM
ASSESSOR'S PLAT 23 / LOT 9
ROCKY HILL ROAD
RHODE ISLAND
SCITUATE
PREPARED FOR
LUIGI MANZOLILLO
DRAWING NUMBER
1
SHEET 1 OF 1

W. Joseph Casey