

LOCUS
NOT TO SCALE

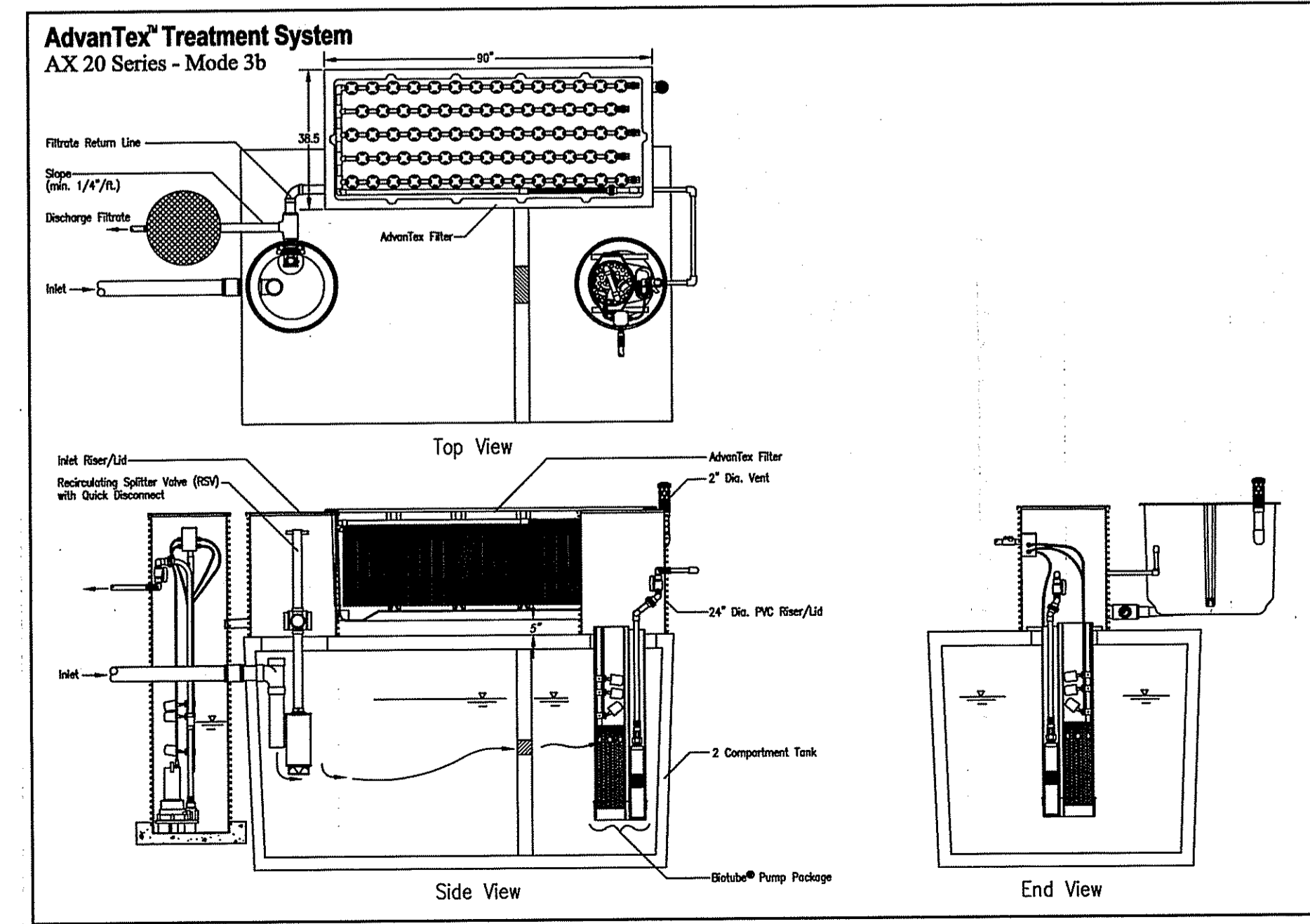
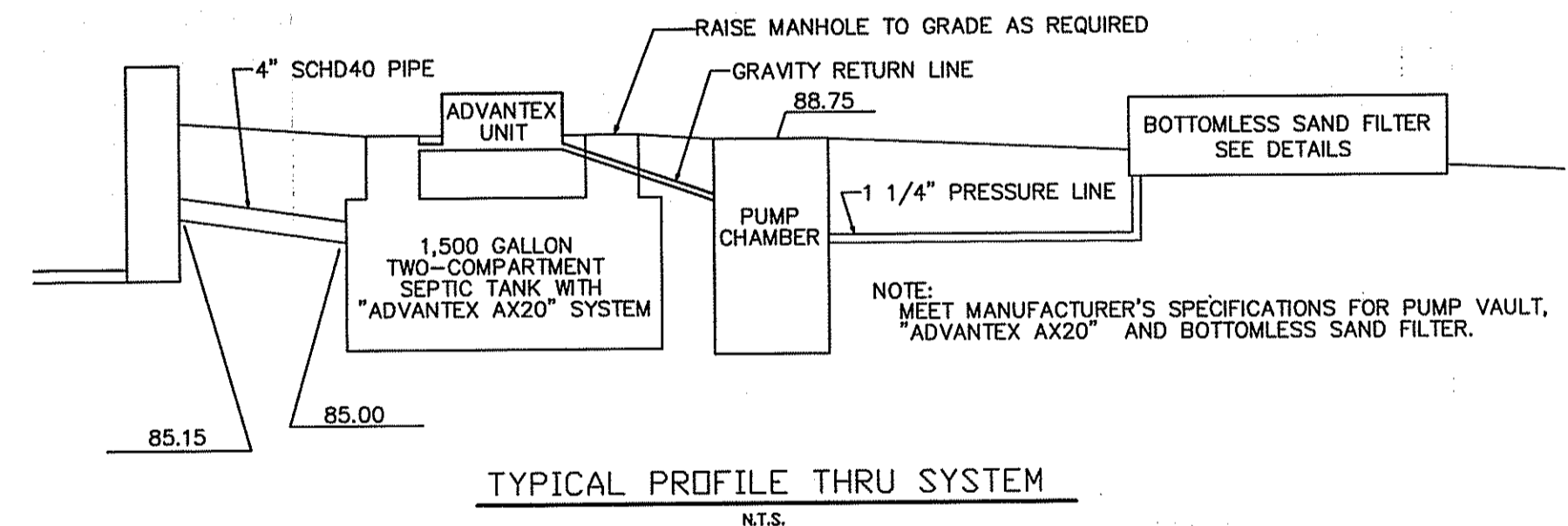
- GENERAL NOTES:
1. THE SLOPE OF BUILDING SEWER FROM DWELLING TO SEPTIC TANK SHALL NOT BE LESS THAN 1 PERCENT AND NOT GREATER THAN 5 PERCENT.
 2. ALL FILL UNDER AND WITHIN 5- FEET OF THE BOTTOMLESS SAND FILTER IS TO BE REMOVED AND BACKFILLED WITH CLEAN COARSE SEPTIC GRAVEL TO ELEVATION 87.50.
 3. USE SCHED 40 PVC PIPING OR EQUIVALENT THROUGHOUT SEWAGE SYSTEM, EXCEPT AS NOTED.
 4. NO WELL EXISTS WITHIN 200 FEET OF THE PROPOSED SEWAGE SYSTEM EXCEPT AS SHOWN.
 5. IF A WELL IS PROPOSED, NO SEWAGE SYSTEM EXISTS WITHIN 200 FEET OF THE PROPOSED WELL EXCEPT AS SHOWN.
 6. ALL WELLS, EXISTING AND PROPOSED, WITHIN 200 FEET OF THE SEWAGE SYSTEM AREA ARE SHOWN. ALL PUBLIC WELLS, EXISTING AND PROPOSED, WITHIN 500 FEET OF THE SEWAGE SYSTEM AREA ARE SHOWN.
 7. IF A DRIVEWAY OR PAVEMENT IS TO BE NEAR THE SEWAGE SYSTEM, A PROTECTIVE BERM IS TO BE PLACED AROUND THE SEWAGE SYSTEM IN THE AREA OF THE DRIVEWAY OR PAVEMENT TO PREVENT VEHICULAR TRAFFIC TRAVELING OVER THE SEWAGE SYSTEM.
 8. INSTALLER TO MEET ALL O.W.T.S. SPECIFICATIONS AND REQUIREMENTS.
 9. NO DRAINS OF ANY KIND SHALL BE LOCATED WITHIN 25 FEET OF THE PROPOSED SEWAGE SYSTEM.
 10. THE FINISH GRADE AT 5 FEET FROM ALL SIDES OF LEACHING FIELD SHALL NOT BE LOWER THAN ELEVATION OF 300.50 WITH 3:1 SLOPE.
 11. OWNER AND/OR BUILDER IS RESPONSIBLE FOR BUILDING AND LEACHING FIELD MEETING LOCAL ZONING SETBACK REQUIREMENTS.
 12. ALL UNDERGROUND UTILITIES AND STRUCTURES ARE APPROXIMATE AND MUST BE FIELD VERIFIED BEFORE THE START OF ANY CONSTRUCTION OR EXCAVATION.
 13. THE PROPOSED SILT FENCE IS TO BE INSTALLED BEFORE THE START OF ANY CONSTRUCTION AND REMAIN IN PLACE UNTIL ALL DISTURBED AREAS ARE REVEGETATED.
 14. THE SILT FENCE IS TO BE INSPECTED ONCE A MONTH OR AFTER ALL STORM EVENTS AND REPAIRED AS NEEDED.

- SEPTIC TANK NOTES:
1. ONE INLET AND ONE OUTLET SHALL BE PROVIDED THROUGH THE APPROPRIATE END OR SIDE WALL OF EACH TANK. WHERE MORE THAN ONE INLET IS REQUIRED FOR MULTIPLE BUILDING SEWERS, THE TANK SHALL BE MANUFACTURED WITH THE APPROPRIATE NUMBER OF INLETS.
 2. THE INVERT ELEVATION OF THE OUTLET SHALL BE AT LEAST 3 INCHES BELOW THE INVERT ELEVATION OF THE INLET, AND ABOVE THE SEASONAL HIGH GROUNDWATER TABLE.
 3. THE OUTLET AND INLET PIPES SHALL BE CONNECTED TO THE SEPTIC TANK WITH A WATER TIGHT SEALED FLEXIBLE JOINT. THE PIPE GASKET SHALL BE AN INTEGRAL PART OF ALL TANKS AND THE PIPE GASKET SHALL BE FASTENED TO THE PIPE WITH A STAINLESS STEEL RETRACTABLE CLAMP. A FRICTION FIT CONNECTION IS ONLY ALLOWED IF THE TANK IS PERFORMANCE TESTED.
 4. SEPTIC TANKS SHALL BE PROVIDED WITH AN INLET SANITARY TEE AND OUTLET TEES OR OTHER NON-CORRODING EQUIVALENT DEVICE APPROVED BY THE DIRECTOR. THE INLET AND OUTLET TEES SHALL BE MINIMUM SDR 35 PVC SOLVENT WELDED. THE TOPS OF THE TEES SHALL EXTEND A MINIMUM OF 6 INCHES ABOVE THE FLOW LINE, AND SHALL BE LEFT OPEN TO PROVIDE VENTILATION. THERE SHALL BE AN AIR SPACE OF AT LEAST 3 INCHES BETWEEN THE TOP OF THE TEES AND TOP INTERIOR OF THE TANK.
 5. THE INLET SANITARY TEE SHALL EXTEND DOWNWARD AT LEAST 12 INCHES BELOW THE FLOW LINE.
 6. THE OUTLET TEE SHALL EXTEND DOWNWARD 1/3 OF THE DEPTH BELOW THE FLOW LINE. ALL OUTLET TEES OR OTHER APPROVED OUTLET DEVICES SHALL BE EQUIPPED WITH AN EFFLUENT SCREEN.
 7. SPECIFICATIONS FOR INLET TEES AND OUTLET TEES ARE FOR NORMAL, LOW-FLOW CONDITIONS. HIGH-FLOW CONDITIONS, CREATED WITH LIQUID IS PUMPED FROM ANOTHER TANK, MAY REQUIRE OTHER DIMENSIONS AND CONSIDERATIONS.
 8. A MINIMUM 20 INCHES INSIDE DIAMETER ACCESS SHALL BE LOCATED OVER BOTH THE INLET TEE AND OUTLET TEE. ALL SEPTIC TANK OPENINGS SHALL MEET THE FOLLOWING REQUIREMENTS.
 9. THE ACCESS OPENING OVER THE OUTLET TEE SHALL BE BROUGHT TO FINISHED GRADE. OTHER ACCESS OPENINGS SHALL EITHER BE BROUGHT TO FINISHED GRADE OR WITHIN 12 INCHES OF FINISHED GRADE. WHERE A RISER IS REQUIRED, IT SHALL BE WATER TIGHT.
 10. LIDS ON TOP OF THE SEPTIC TANK SHOULD REMAIN IN PLACE WHERE PRACTICAL. LIDS FOR THE OPENING AT FINISHED GRADE SHALL PREVENT UNAUTHORIZED ENTRY BY MEETING EITHER OF THE FOLLOWING: (A) LID SHALL WEIGH A MINIMUM OF 50 POUNDS AND FIT TIGHTLY ONTO THE RISER OR (B) LID SHALL BE TAMPER RESISTANT AND MECHANICALLY FASTENED.
 11. THE SEPTIC TANK MANUFACTURERS SHALL PROVIDE AND LICENSED OWTS INSTALLERS SHALL ATTACH A LABEL OF NON-CORROSIVE MATERIAL IN A PROMINENT LOCATION AT EACH ACCESS OPENING TO WARN THAT "ENTRANCE INTO THE TANK COULD BE FATAL."
 12. SURFACE WATER SHALL BE DIVERTED AWAY FROM THE SEPTIC TANK OPENING.
 13. ACCESSIBILITY TO SEPTIC TANKS SHALL BE LOCATED ON THE LOT AS TO BE ACCESSIBLE FOR SERVICING AND CLEANING.
 14. INSTALLATION OF ALL SEPTIC TANKS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S MINIMUM REQUIREMENTS. IN ADDITION, ALL SEPTIC TANKS MUST MEET THE INSTALLATION REQUIREMENTS SPECIFIED.
 15. THE SEPTIC TANK SHALL BE INSTALLED ON A LEVEL, STABLE BASE THAT WILL NOT SETTLE.
 16. BACKFILL SHALL BE PLACED AROUND THE SEPTIC TANK IN SUCH A MANNER AS TO AVOID DAMAGE TO IT. ALL BACKFILL PLACED AROUND THE SEPTIC TANK SHALL BE FREE OF LARGE STONES, STUMPS, WASTE, CONSTRUCTION MATERIAL AND RUBBISH.
 17. WHERE ANY PORTION OF A SEPTIC TANK IS INSTALLED BELOW THE SEASONAL HIGH GROUNDWATER TABLE, THE TANK'S SUSCEPTIBILITY TO FLOATAION SHALL BE DETERMINED, AND PROVISIONS SHALL BE MADE TO PREVENT FLOATAION, WHERE NECESSARY AS DETERMINED BY THE FLOATAION CALCULATIONS.
 18. WHENEVER MORE THAN 25 PERCENT OF THE DAILY DESIGN FLOW IS PUMPED INTO A SEPTIC TANK, THE TANK CAPACITY SHALL BE INCREASED BY 50 PERCENT BEYOND THE MINIMUM CAPACITIES.
 19. THE MINIMUM COVER OVER THE INVERT OF THE OUTLET SHALL BE 18 INCHES. IF THE DEPTH OF COVER EXCEEDS 42 INCHES, THE OWTS APPLICATION SHALL INCLUDE DOCUMENTATION OF THE TANK'S ABILITY TO STRUCTURALLY WITHSTAND THE LOADING, AND THE TANK'S DESIGN SHALL ALLOW FOR PROPER MAINTENANCE AND ACCESS.
 20. THE SEPTIC TANK SHALL BE A MINIMUM OF 75 FEET FROM ALL WELLS.

TEST HOLE DATA: GROUND WATER TABLE DATA: 0908-1197
 DATE DUG - 12-3-09 DETERMINED BY: SOIL EVALUATION

TEST HOLE - #1 WATER TABLE DEPTH = 3'-0" (FROM ORIGINAL GRADE)
 TEST HOLE - #2 WATER TABLE DEPTH = 2'-0" (FROM ORIGINAL GRADE)
 TEST HOLE - #1 WATER TABLE ELEVATION = 82.5
 TEST HOLE - #2 WATER TABLE ELEVATION = 83.0

REQUIRED CAPACITY OF LEACHING SYSTEM:
 3 BEDROOMS X 115 GALLONS PER BEDROOM = 345 GALLONS PER DAY
 DESIGN RATE: 2.3 GAL/SF/DAY (CATEGORY 6 SOIL) FOR BOTTOMLESS SAND FILTER
 BOTTOMLESS SAND FILTER SIZE REQUIRED: 150 SQUARE FEET
 BOTTOMLESS SAND FILTER SIZE PROPOSED: 150 SQUARE FEET



DESIGNED BY: ADVANTEX	DATE: 1/19/04
CHECKED BY: [Signature]	DATE: 2/2
APPROVED BY: [Signature]	DATE: 2/2
SCALE: 1" = 2'-0"	

PLAT 25, LOT 102
 AREA = 89,270 S.F. OR 2.0494 ACRES

LEGEND

S.F.	SQUARE FEET
SE-1	SOIL EVALUATION TEST HOLE LOCATION

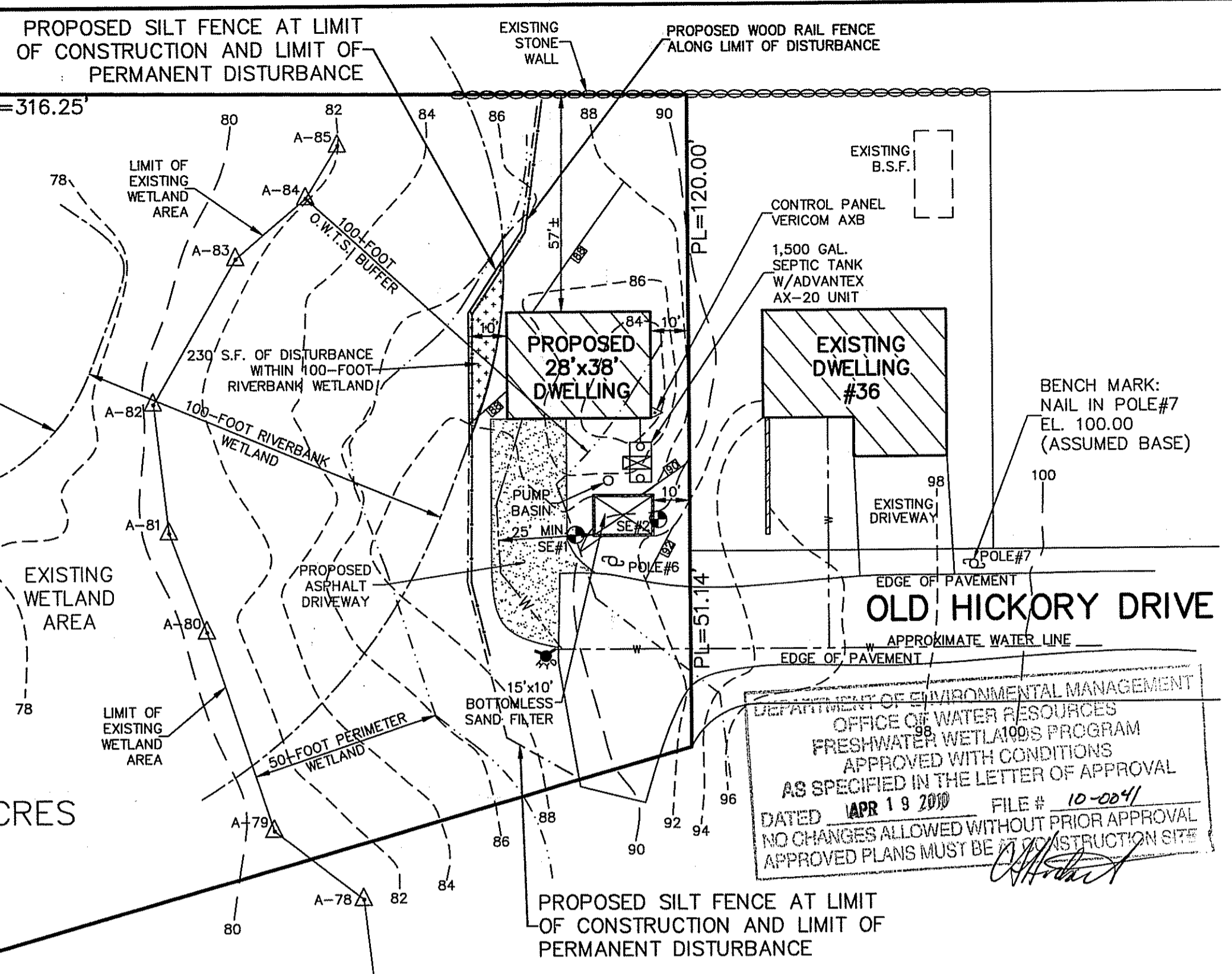
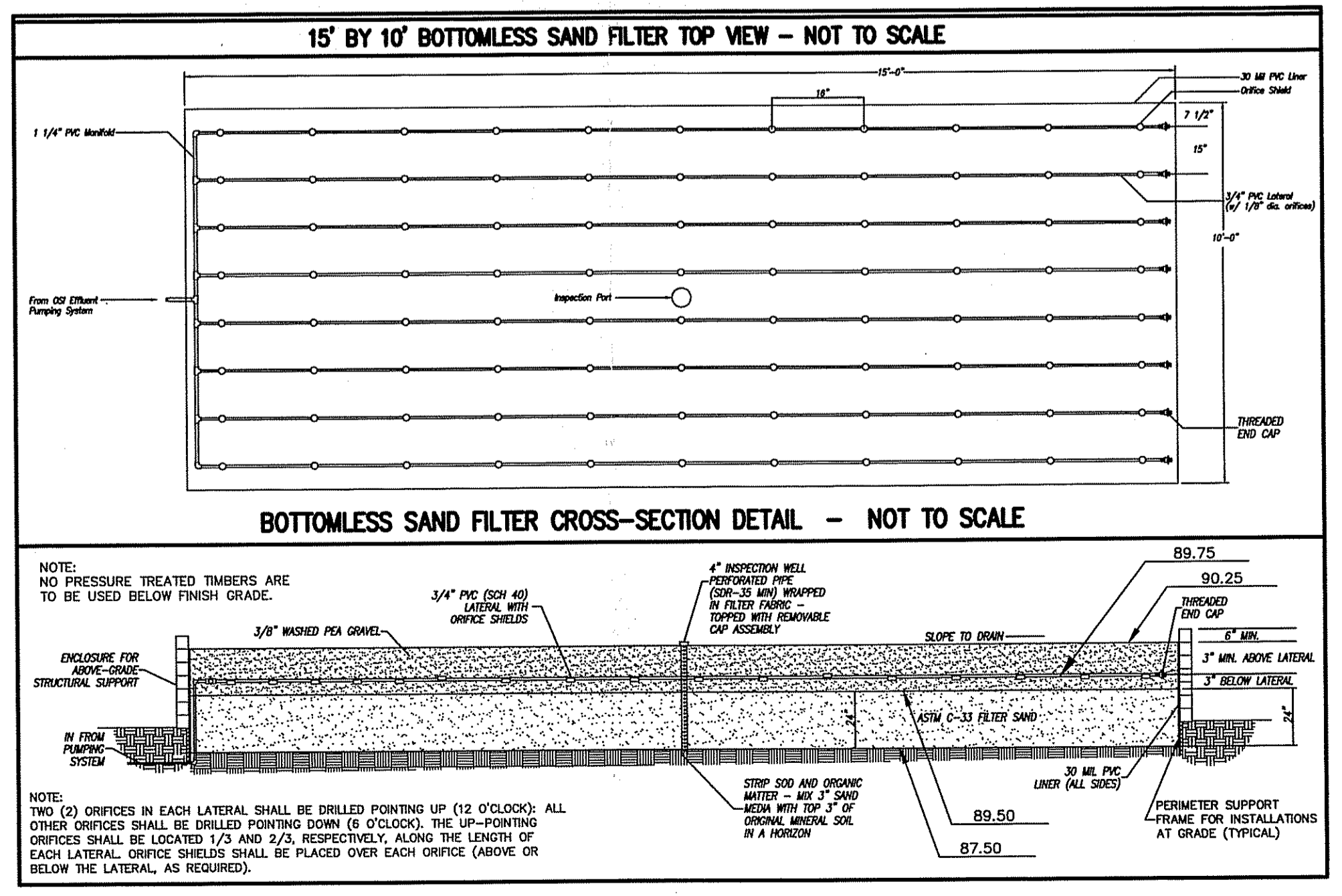


TABLE OF ELEVATIONS:

TEST HOLE ELEVATIONS:	
ORIGINAL GRADE AT SE-1	89.5
WATER TABLE AT SE-1	82.5
ORIGINAL GRADE AT SE-2	81.0
WATER TABLE AT SE-2	83.0
SEPTIC SYSTEM ELEVATIONS:	
INV. OUT HOUSE	85.15
INV. IN SEPTIC TANK	85.00
BOTTOM OF SEPTIC TANK	80.42
TOP OF 24" FILTER CARTRIDGE	83.67
TOP OF RSV CASE	84.88
HIGH WATER ALARM	85.00
OVERSIDE TIMER	84.83
NORMAL LOW LIQUID LEVEL	84.47
LOW WATER ALARM/REDUNDANT OFF	84.05
ADVANTEX AX20 UNIT ELEVATIONS:	
BOTTOM OF "ADVANTEX AX20" UNIT	86.42
TOP OF "ADVANTEX AX20" UNIT	89.00
24" DIAMETER PUMP CHAMBER ELEVATIONS:	
TOP OF CHAMBER/FINISH GRADE	88.75
BOTTOM OF CHAMBER	82.75
INVERT IN CHAMBER	86.25
INVERT OUT CHAMBER	86.25
PUMP "ON"	85.44
PUMP "OFF"	84.75
HIGH WATER ALARM/TIMER OFF	85.85
BOTTOMLESS SAND FILTER ELEVATIONS:	
SAND/PEA STONE INTERFACE	89.50
INV. ELEVATION OF LATERALS	89.75
TOP OF PEA STONE	90.25
TOP OF ENCLOSURE	90.75 MIN.

PROFESSIONAL LAND SURVEYOR
 MICHAEL R. DARVEAU
 NO. 1978
 I HEREBY CERTIFY THAT THIS SURVEY AND PLAN CONFORMS TO A CLASS 3 STANDARD AS ADOPTED BY THE RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS.
 BY: [Signature] DATE: 1/27/10
 MICHAEL R. DARVEAU, PLS#1978
 GRAPHIC SCALE
 1 inch = 30 ft.



DARVEAU & ASSOCIATES, INC.
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PROPOSED SITE PLAN FOR
 JEFF TOWLE
 PLAT 25, LOT 102
 OLD HICKORY DRIVE
 CUMBERLAND, RHODE ISLAND

DRAWING NO: 2009_031
 SHEET NO: 1 OF 1

REVISION: SCALE: 1" = 30'
 DRAWN BY: MICHAEL R. DARVEAU
 DATE: JAN. 27, 2010