

LEGEND PROPERTY LIES WITHIN SCITUATE RESERVOIR WATERSHED

- SOIL EVALUATION
- PROPOSED WELL
- WATER LINE(Pressure)
- EXISTING CONTOUR
- PROPOSED CONTOUR
- LIMIT OF DISTURBANCE
- SOIL EROSION CONTROLS
- BLDG SETBACK
- CONTROL PANEL
- PUMP CHAMBER
- OWTS SETBACK
- WETLANDS SETBACKS
- BUILDING SETBACK
- PROPERTY LINES
- STORMWATER CHAMBER
- PROPOSED PLANTING

ZONING RS-120
 MINIMUMS:
 AREA 120,000 S.F.
 FRONTAGE 300'
 SETBACKS:
 FRONT 50'
 SIDE 35'
 REAR 60'

NOTES:
 1) OWNER/APPLICANT:
 A.P. 14 LOTS 12 & 13
 JAMES L. POOLE
 149 WILLIAM T. HENRY ROAD
 NORTH SCITUATE, RI 02857
 2) THE PARCELS DO NOT LIE WITHIN A SPECIAL FLOOD HAZARD ZONE, AS SHOWN ON FEMA FLOOD INSURANCE RATE MAP COMMUNITY PANEL NO. 4400702896, EFFECTIVE DATE 3/2/2009.

REFERENCE:
 PLAN, TOPO and SURVEY TAKEN FROM ADMINISTRATIVE SUBDIVISION PLAN PREPARED BY INTERNATIONAL MAPPING and SURVEYING, Anthony E. Muscatelli, PLS #1718"
 PLAN WAS PREPARED TO ACCOMPANY AN APPLICATION FOR AN ADMINISTRATIVE SUBDIVISION, IN ACCORDANCE WITH THE TOWN OF SCITUATE'S SUBDIVISION REGULATIONS.

WETLANDS DELINEATIONS and REPORTS BY JOSEPH McCUE, PWS, SR ENVIRONMENTAL SCIENTIST FOR MASON & ASSOC. (McCue@Mason-Associates.com)

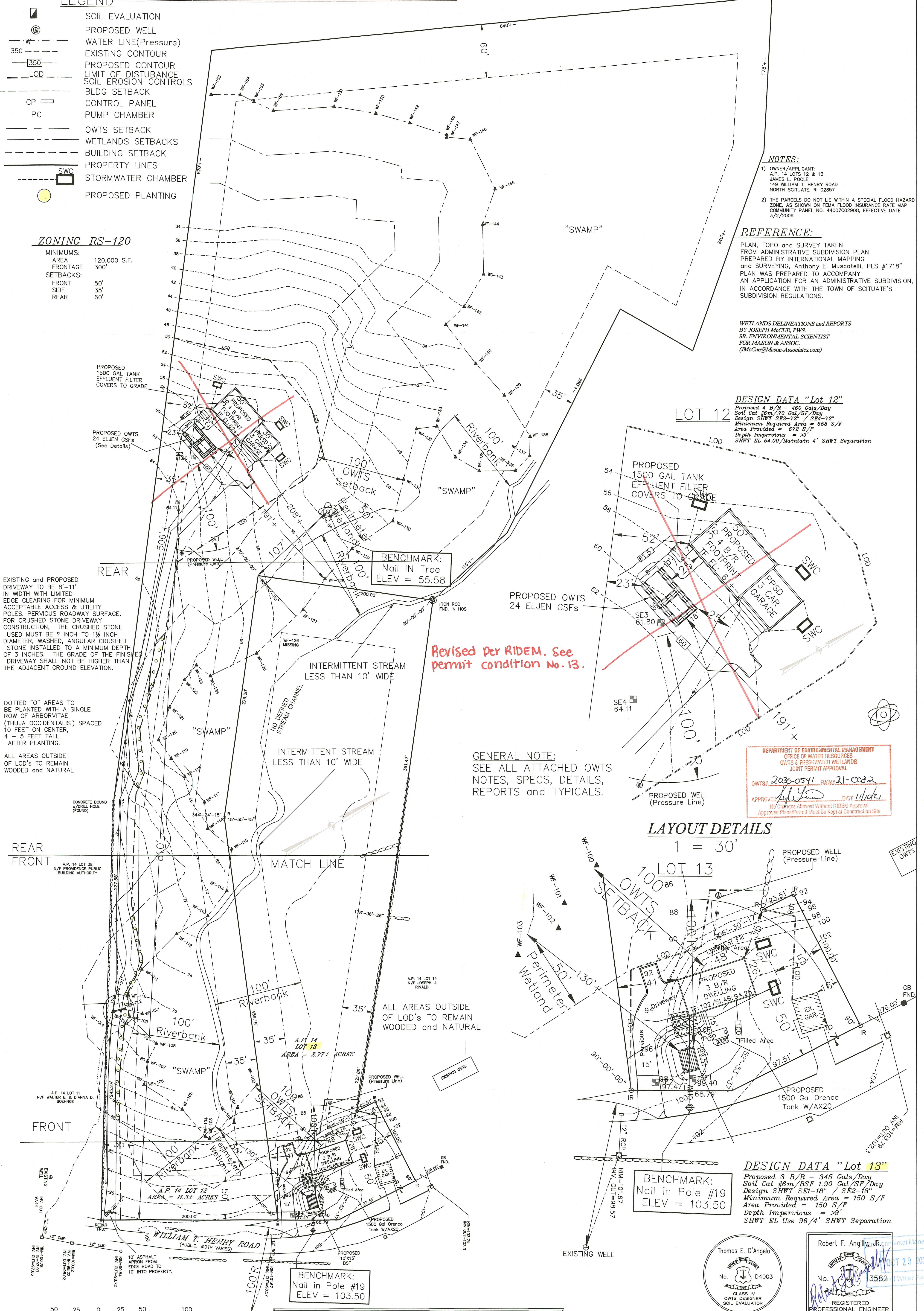
DESIGN DATA "Lot 12"
 Proposed 4 B/R - 480 Gals/Day
 Soil Cat #6m/70 Gal/SF/Day
 Design SHWT SE3-72' SE4-72'
 Minimum Required Area = 658 S/F
 Area Provided = 672 S/F
 Depth Impervious = >9'
 SHWT EL 54.00/Maintain 4' SHWT Separation

**DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 OWTS & FRESHWATER WETLANDS
 JOINT PERMIT APPROVAL**
 OWTS# 2030-0541 R/W# 21-0082
 APPROVED: [Signature] DATE 11/14/24
 No Change Allowed Without RIDEM Approval
 Approved Plans/Permit Must Be Kept at Construction Site

LAYOUT DETAILS
 1" = 30'

GENERAL NOTE:
 SEE ALL ATTACHED OWTS NOTES, SPECS, DETAILS, REPORTS and TYPICALS.

Revised Per RIDEM. See permit condition No. 13.



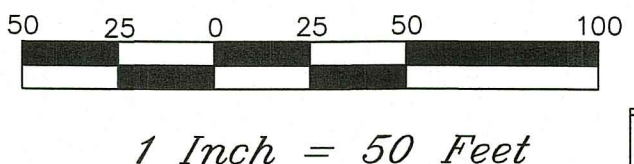
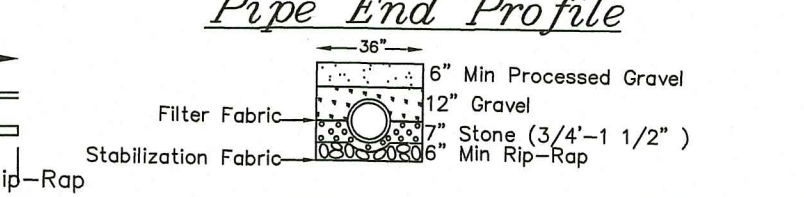
EXISTING and PROPOSED DRIVEWAY TO BE 8'-11" IN WIDTH WITH LIMITED EDGE CLEARING FOR MINIMUM ACCEPTABLE ACCESS & UTILITY POLES. PERVIOUS ROADWAY SURFACE. FOR CRUSHED STONE DRIVEWAY CONSTRUCTION, THE CRUSHED STONE USED MUST BE 3/4" TO 1 1/2" INCH DIAMETER, WASHED, ANGULAR CRUSHED STONE INSTALLED TO A MINIMUM DEPTH OF 3 INCHES. THE GRADE OF THE FINISHED DRIVEWAY SHALL NOT BE HIGHER THAN THE ADJACENT GROUND ELEVATION.

DOTTED "O" AREAS TO BE PLANTED WITH A SINGLE ROW OF ARBORVITAE (THUJA OCCIDENTALIS) SPACED 10 FEET ON CENTER, 4 - 5 FEET TALL AFTER PLANTING.

ALL AREAS OUTSIDE OF LOD'S TO REMAIN WOODED and NATURAL

Pipe Crossing Details

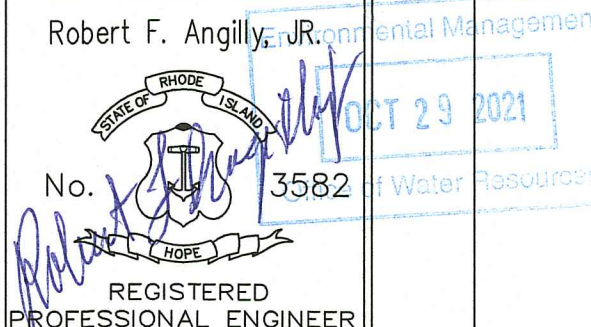
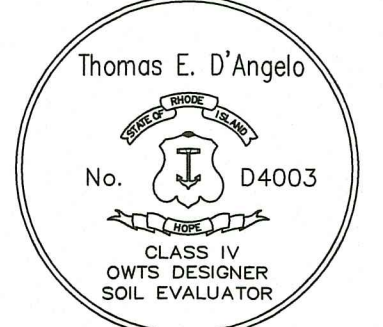
- CROSSING CONSTRUCTION NOTES**
1. PLACE EROSION CONTROLS PRIOR TO ANY EXCAVATION
 2. REMOVE A HORIZON (loom) IN ROAD AREA ONLY.
 3. INSTALL STABILIZATION FABRIC AT BOTTOM EXCAVATION.
 4. PLACE MIN 6" RIP-RAP ABOVE FABRIC
 5. INSTALL ADS PIPE AS SHOWN
 6. INSTALL FILTER FABRIC PRIOR TO GRAVEL PLACEMENT.
 7. PLACE AND COMPACT GRAVEL IN 6" LIFTS
 8. PLACE PROCESSED GRAVEL TO FINISH GRADE.
 9. FINALLY CONTOUR AND PLACE 1-1 SLOPING RIP-RAP.



TERRY LANE COMPANY
 LAND USE FACILITATORS-OWTS CONSULTANTS-SOIL EVALUATORS
 15A TERRY LANE, CHEPACHET, R.I. 02814 (401) 568-8006 OWTSRI@gmail.com

PROPOSED OWTS/WETLANDS PLAN
 for JAMES POOLE
 WILLIAM HENRY ROAD
 SCITUATE
 A.P. 14 LOT 12 & 13

DEM Rev's	DATE	NO.
ADD. MONS. SET	5/25/19	1
REVISIONS	DATE	NO.
DRAWN BY	P.A.K./T.E.D.	
CKD. BY	T.E.D./R.F.A.	
APPRD. BY	T.E.D.	
DATE	02/14/21	
SCALE	AS NOTED	
SHEET	1 OF 4	
DWG.NO.	190406-SP	

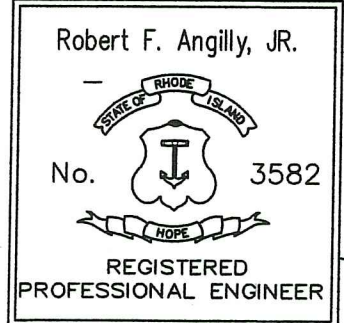
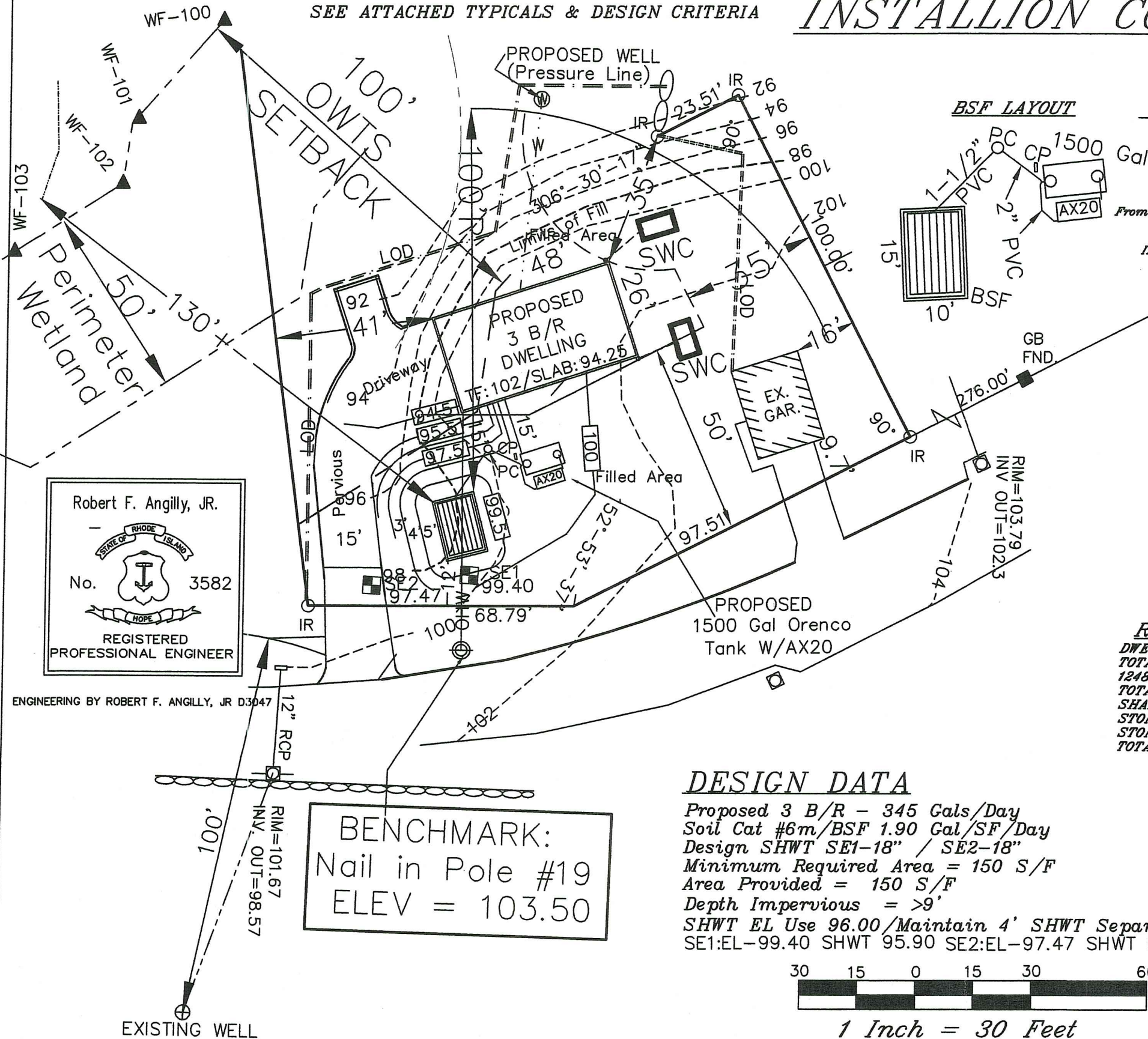


SOIL EVALUATIONS BY THOMAS E. D'ANGELO D4003 ENGINEERING BY ROBERT F. ANGILLY, JR D3047

A.P. 14 LOT 13
 AREA 2.77± ACRES

REMOVE ALL FILL LOAM & SUB BELOW SAND FILTER.
 SCARIFY AND MIX SANDY LOAM WITH NATIVE SOIL & RAISE TO EL. 98 (Bottom Sand).
 Install BSF Per Attached BSF Guidelines.
 Place Panel On 4x4 Posts. Do Not Attach To Dwelling or Deck
 No Water Softener Systems Allowed.
 SEE ATTACHED TYPICALS & DESIGN CRITERIA

INSTALLION COPY

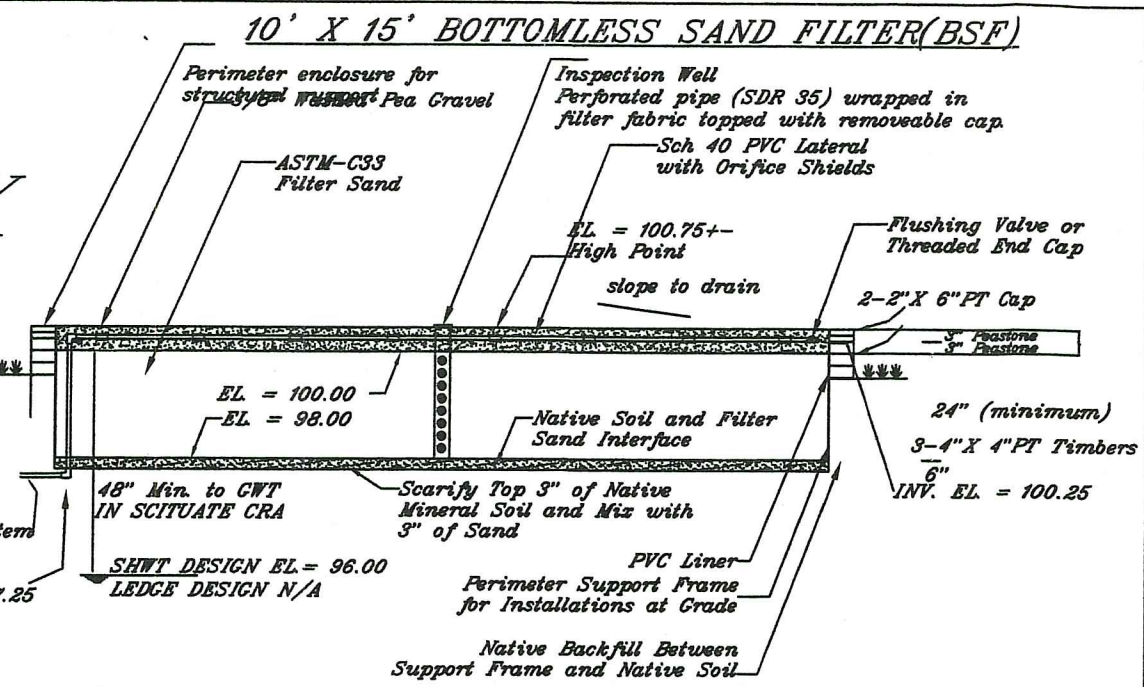
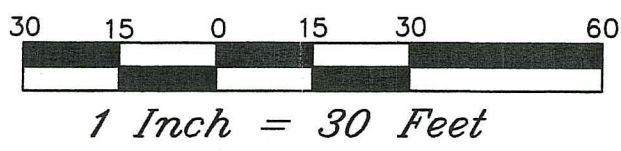


ENGINEERING BY ROBERT F. ANGILLY, JR D3047

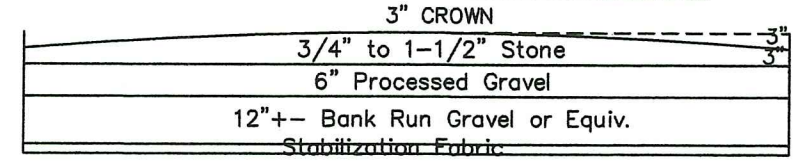
BENCHMARK:
 Nail in Pole #19
 ELEV = 103.50

DESIGN DATA

Proposed 3 B/R - 345 Gals/Day
 Soil Cat #6m/BSF 1.90 Gal/SF/Day
 Design SHWT SE1-18" / SE2-18"
 Minimum Required Area = 150 S/F
 Area Provided = 150 S/F
 Depth Impervious = >9'
 SHWT EL Use 96.00/Maintain 4' SHWT Separation
 SE1:EL-99.40 SHWT 95.90 SE2:EL-97.47 SHWT 95.97



DRIVEWAY CONSTRUCTION DETAILS

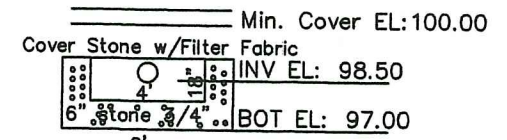


1. PLACE EROSION CONTROLS PRIOR TO ANY EXCAVATION
2. AS NEEDED REMOVE "A"(loam) & SOME "B" (subsoil) HORIZON SOILS IN ROAD AREA ONLY.
3. INSTALL STABILIZATION FABRIC AT BOTTOM EXCAVATION.
4. PLACE & COMPACT 12"+- BANK RUN GRAVEL ABOVE FABRIC.
5. PLACE MIN 6" PROCESSED GRAVEL ABOVE BANK RUN.
6. PLACE A MIN 3' OF STONE NEXT w/3' CROWN AT CENTER.

ROOF STORMWATER CHAMBER DETAILS

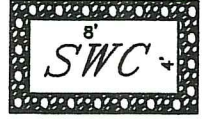
ROOF STORMWATER

DWELLING ROOF AREA 1248SF
 TOTAL ROOF AREA 1248SF
 1248SF X 1" = 104CF X 7.48GAL = 777.92 GALS
 TOTAL MINIMUM AREA REQ. 104 CU FT
 SHALLOW CHAMBER 4 X 8 X 1.5 = 48 CF
 STONE BOTTOM 6 X 10 X 6" = 30 X 40% = 12 CF
 STONE SIDES = 28 X 1 X 1 = 28 X 40% = 7 CF
 TOTAL CF PER CHAMBER = 60 CF X 2 = 120 CF TOTAL



6" STONE BELOW & 12" SIDES OF CHAMBER
 MAINTAIN MIN 10' FROM FOUNDATION & PROPERTY LINES
 and 25' FROM OWTS.

REMOVE ALL FILL & SUBSOIL IN CHAMBER AREA ONLY. FILL w/GRAVEL TO BOTTOM OF STONE.

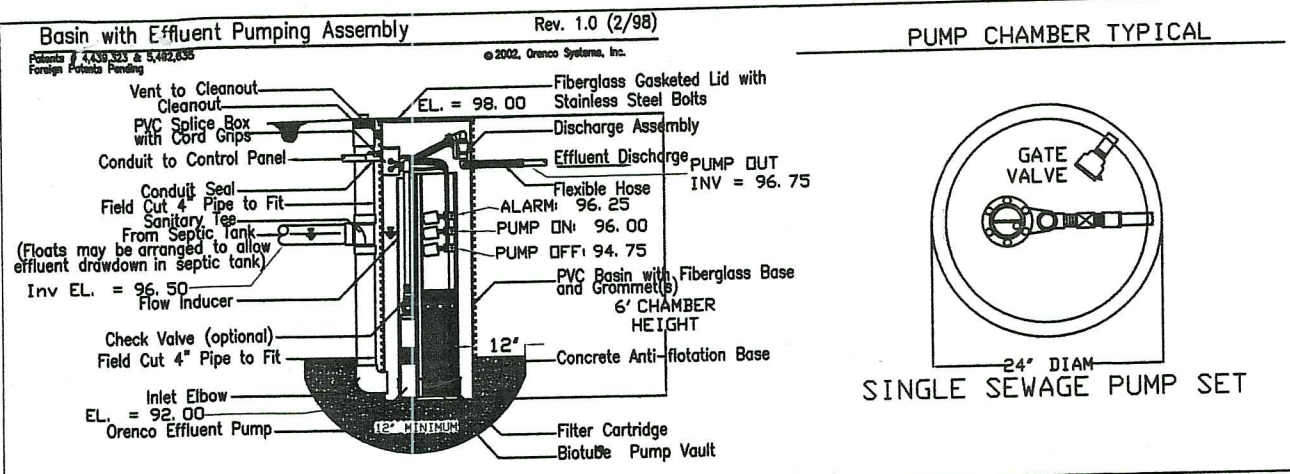


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PROPOSED OWTS DESIGN
 for JAMES POOLE
 William Henry Rd.
 SCITUATE, RI
 A.P. 14 LOT 13

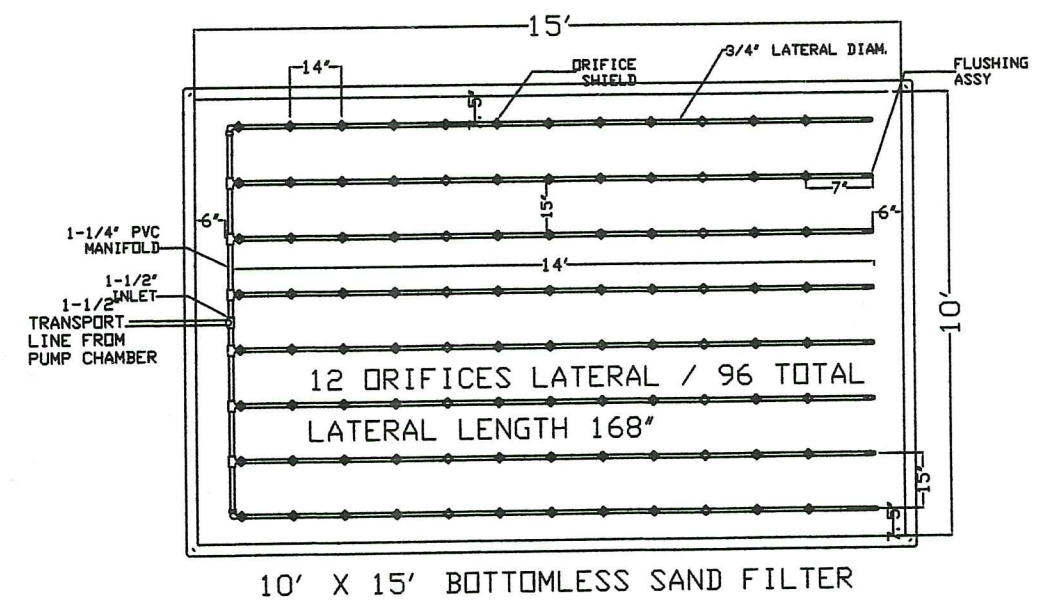
Mailing Address:
 149 Wm. Henry Rd.
 N. Scituate, RI 02857

PROPERTY LIES WITH SCITUATE RESERVOIR WATERSHED

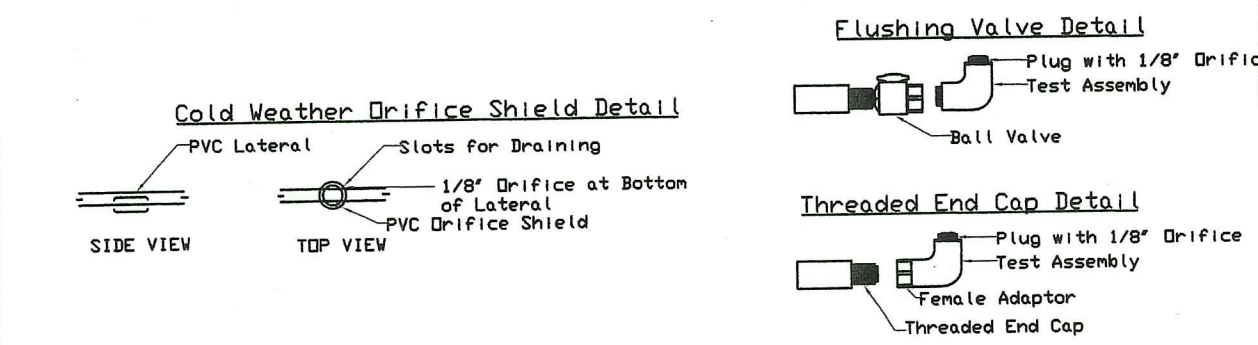
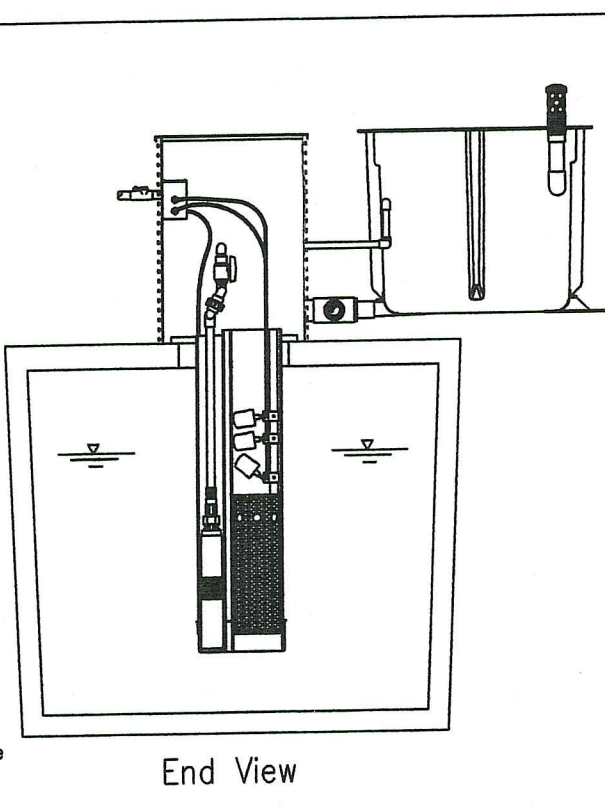
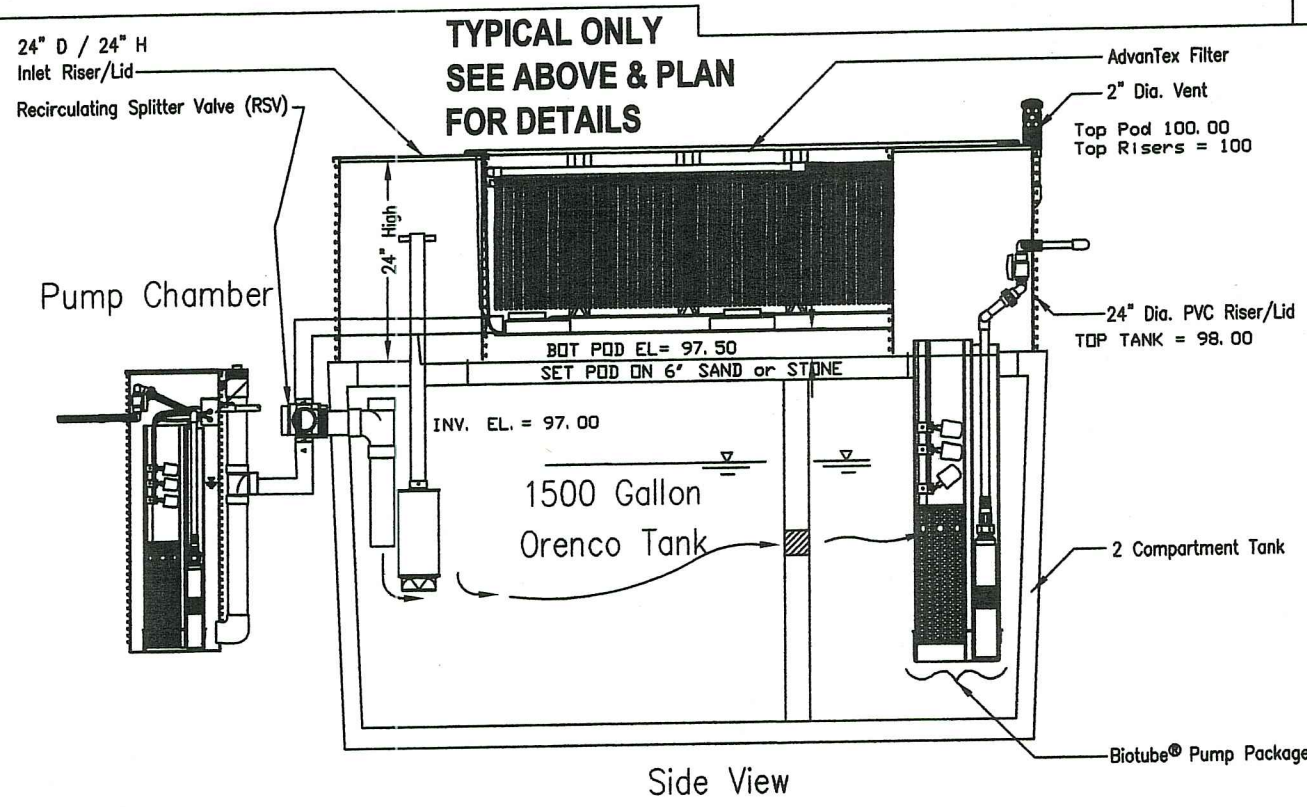
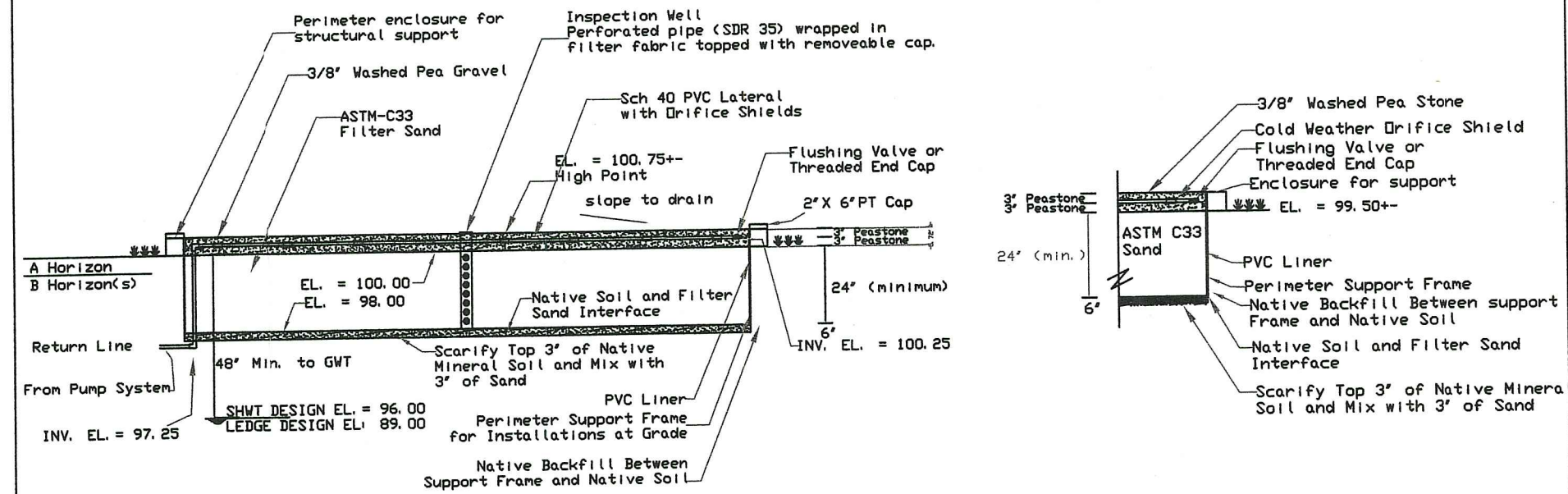
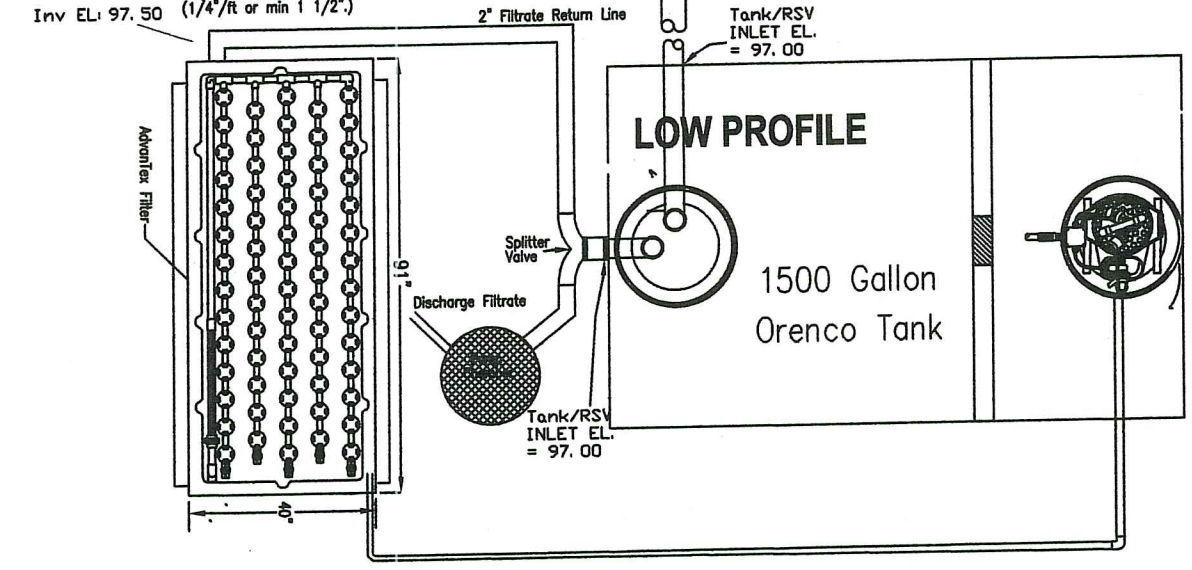


BSF ELEVATIONS

BOTTOM OF SAND EL. = 98.00
 BOTTOM OF PEA STONE EL. = 100.00
 TOP OF PEA STONE EL. = 100.75
 INV. OF 3/4" PVC LATERAL = 100.25



AdvanTex Treatment System
 AX 20 Series - Mode 3b



REVISIONS			DRAWN BY	SCALE	MATERIAL
NO.	DATE	BY			
				N. T. S.	
			CHK'D	DATE	JAN 2021
			TRACED	APP'D	

BSF DESIGN TYPICALS
 for JAMES POOLE
 William Henry Rd.
 Scituate
 AP 14 / LOT 13

DRAWING NO. **4 OF 4**