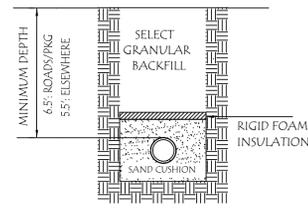
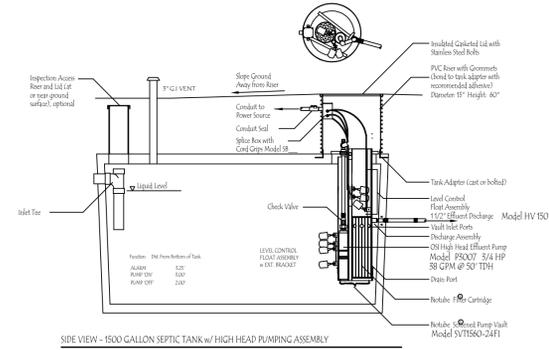


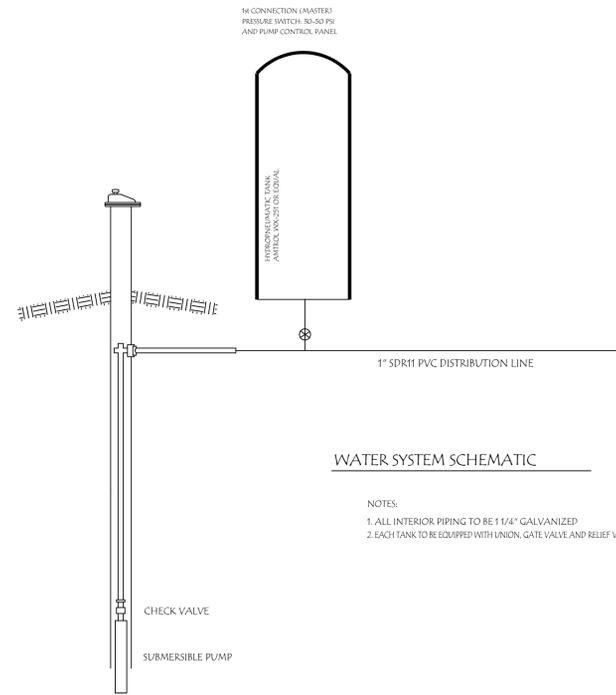
Effluent Pumping System with Drain-Back System

Materials and information for this system are available from Wastewater Technologies, Inc. (802) 893-2401



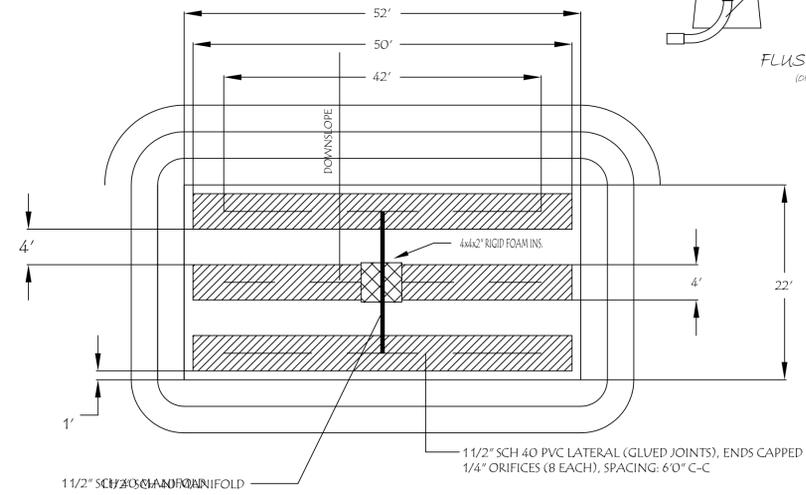
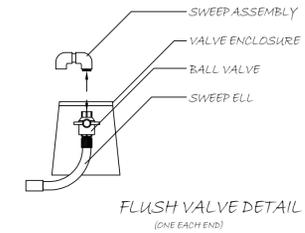
PIPE TYPICAL TRENCH NOTES

1. PIPE SHALL BE FREE OF DEFECTS AND SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S AND ENGINEER'S SPECIFICATIONS.
2. THE PIPE SHALL BE INSTALLED IN ACCORDANCE WITH THE GRADE AND DEPTH SHOWN ON THESE DRAWINGS. NO VARIATION WILL BE PERMITTED WITHOUT THE AUTHORIZATION OF THE PROJECT ENGINEER.
3. AFTER EXCAVATING THE TRENCH TO THE REQUIRED DEPTH, THE PIPE WILL BE BEDDED AS SHOWN IN THE DETAIL BELOW. BEDDING MATERIAL WILL BE PLACED AROUND THE ENTIRE LENGTH OF THE PIPE BARREL TO PROVIDE UNIFORM SUPPORT.
4. AFTER PLACEMENT OF THE PIPE AND BEDDING, THE TRENCH WILL BE BACK-FILLED WITH CLEAN GRANULAR MATERIAL THAT IS FREE OF ANGULAR OR LARGE STONE (4" MIN. DIMENSION) WITHIN 12" OF THE PIPE. BACKFILL MATERIAL WILL BE COMPACTED IN 12" LAYERS WITH A PORTABLE VIBRATORY UNIT.
5. AFTER BACKFILLING, THE PIPE WILL BE SUBJECTED TO THE PRESSURE TEST OF 50 PSI AT THE HIGHEST POINT IN THE LINE.
6. IF SUFFICIENT COVER IS NOT AVAILABLE, OR IF THE PIPE WILL PASS UNDER A TRAVELED AREA, RIGID FOAM INSULATION WILL BE USED AS SHOWN.

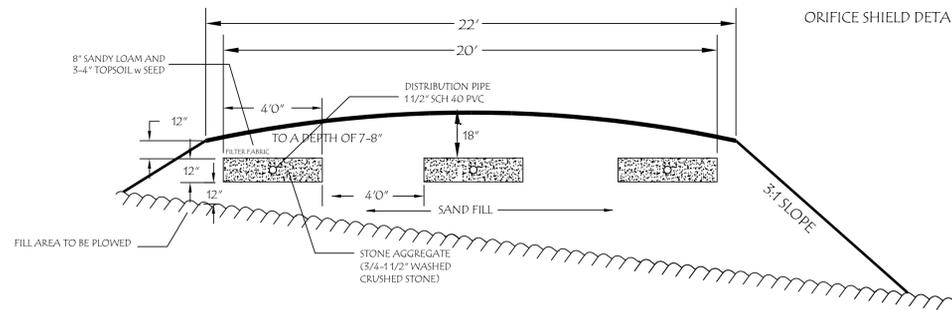
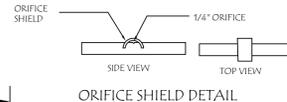


WATER SYSTEM SCHEMATIC

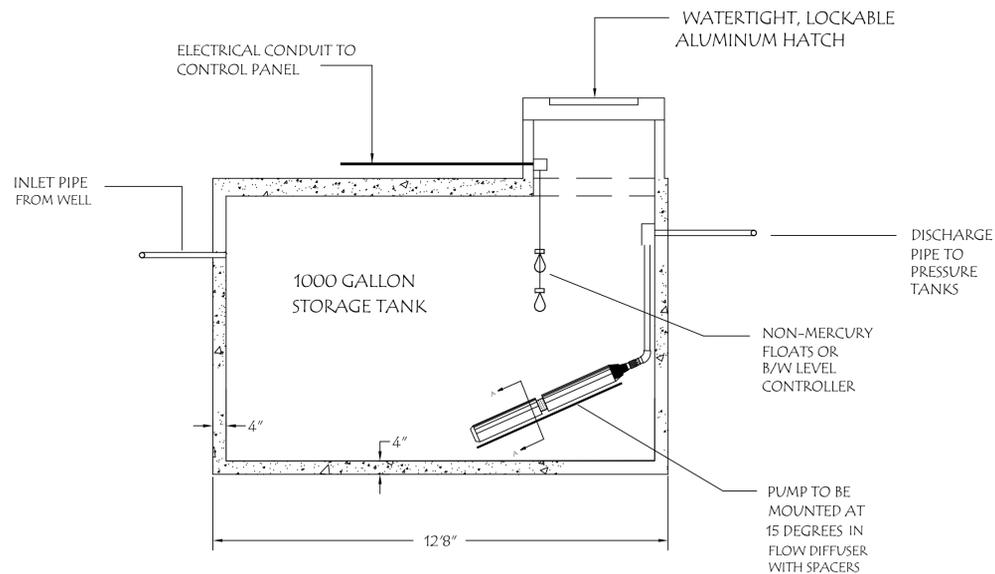
- NOTES:
1. ALL INTERIOR PIPING TO BE 1/4" GALVANIZED
 2. EACH TANK TO BE EQUIPPED WITH UNION, GATE VALVE AND RELIEF VALVE



MOUND PLAN VIEW



MOUND ELEVATION VIEW



WATER TANK INSTALLATION NOTES

1. CONCRETE SHALL BE 4000 PSI @ 28 DAYS AND ALL PIPE OPENINGS SHALL BE ROOTED PIPE CONNECTIONS OR COUPLINGS CAST INTO THE TANK.
2. THE TANK SHALL BE OF MONOLITHIC CONSTRUCTION.
3. REINFORCING SHALL MEET ASTM STANDARDS WITH 6X6X10 GAUGE WWF AS A MINIMUM FOR H-10 LOADING. PROXIMITY TO TRAFFIC WILL REQUIRE H-20 REINFORCING.
4. EXCAVATION FOR THE TANK SHALL BE LEVEL ALONG ITS WIDTH AND LENGTH.
5. AFTER INSTALLATION, THE TANK SHALL BE FILLED FOR 24 HOURS WITH NO LOSS ALLOWED.
6. ALL ELECTRICAL ACTIVATION SHALL BE PERFORMED BY A LICENSED CONTRACTOR.
7. THE SUBMERSIBLE PUMP SHALL BE BY GOULD, MODEL 10EJ05 OR EQUAL. FLOW RATE FOR THE PUMP SHALL BE A MINIMUM 10 GPM.

ANDREW D. ZINS

WATER & WASTEWATER DETAILS 1654 PRINDLE ROAD
CHARLOTTE, VERMONT DWG. 2 OF 2 08/12/2017



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