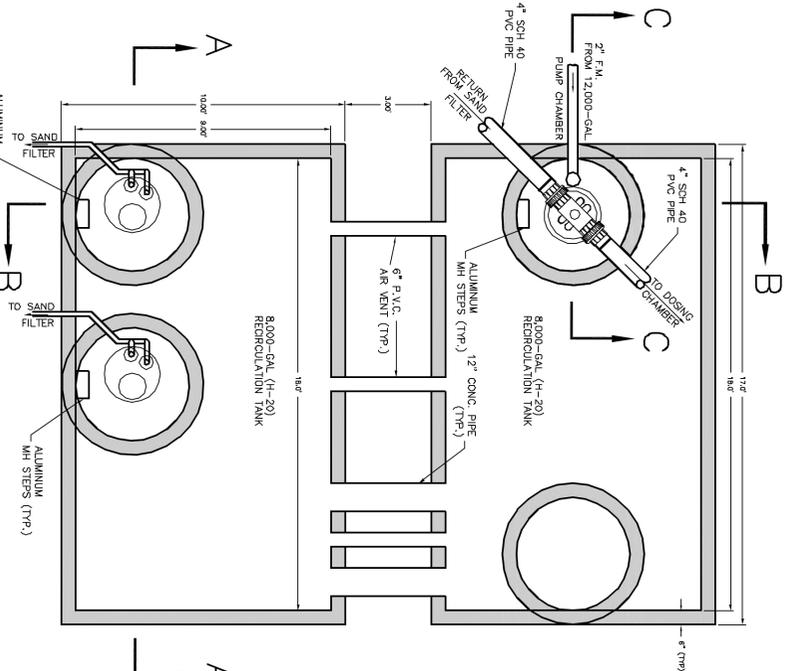


PUMP NOTES - 16,000-GAL. RECIRC. TANK:

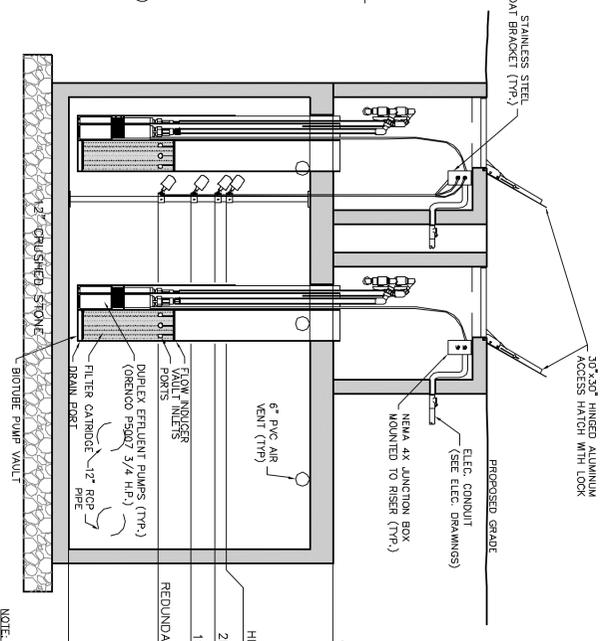
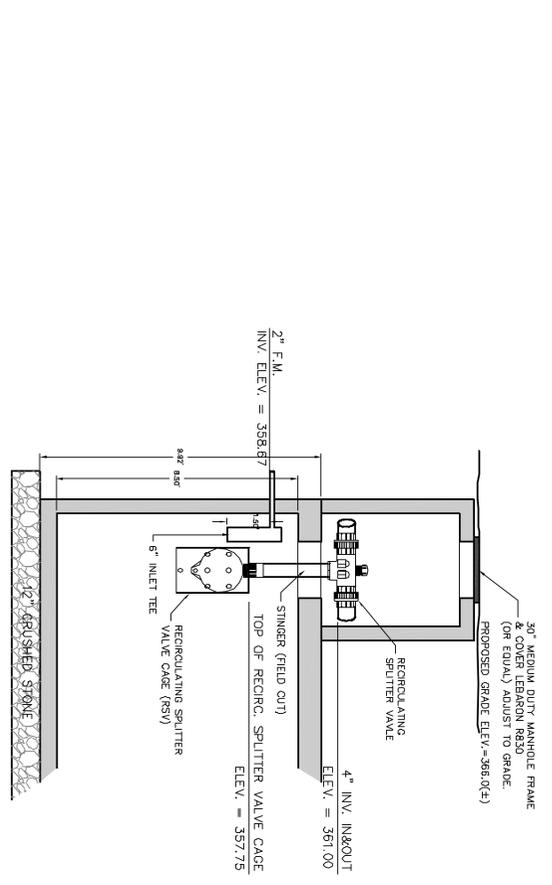
1. GENERAL - INSTALL A COMPLETE PUMPING SYSTEM CONSISTING OF (2) 1/2" SUBMERSIBLE EFFLUENT PUMPS AND MOTORS, SLIDE RAIL SYSTEM DISCHARGE PIPING AND VALVES, FLOAT SWITCH CONTROL, PRECAST CONCRETE PUMP CHAMBER AND ELECTRICAL AND INSTRUMENTATION CONTROLS AND ALARMS AS SHOWN ON ELECTRICAL DRAWINGS. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AND PROVIDE A SUFFICIENT QUANTITY OF CLEAN WATER TO CONDUCT TWO PUMP OPERATION TESTS AND 24 HOUR EXFILTRATION TEST FOR THE 16,000 GALLON PUMP CHAMBER.
2. PUMP CHAMBER - THE PUMP CHAMBER SHALL BE A REINFORCED PRECAST CONCRETE STRUCTURE. CONSTRUCTION JOINTS AND OPENINGS SHALL BE SEALED WITH LINK SEALS AT ALL PIPE OPENINGS. EQUIPMENT WITHIN PUMP CHAMBER NEED NOT BE EXPLOSION PROOF.
3. PUMP AND MOTOR - PUMPS AND MOTORS SHALL BE HIGH HEAD SUBMERSIBLE EFFLUENT PUMPS CAPABLE OF PASSING 2-INCH SOLIDS. PUMP AND MOTOR SHALL BE FULLY SUBMERSIBLE AND SHALL OPERATE AT 480V, 60 CYCLE, THREE PHASE AC POWER SOURCE. PUMPS SHALL BE RATED AS FOLLOWS:
 H.P. 3/4
 RATE 41 GPM
 MODEL ORNOCO P9007 (WASTEWATER TECHNOLOGIES, INC (877) 212-2218)
4. PUMPING - PUMPS SHALL BE FACTORY TESTED PRIOR TO SHIPMENT AND A CERTIFIED FACTORY TEST REPORT SHALL BE PROVIDED TO THE ENGINEER.
5. EPIPE INSULATION - ALL PIPING OUTSIDE THE PUMP CHAMBER LESS THAN FOUR (4) FEET BELOW THE PROPOSED FINA. GRADE SHALL BE WHERE FORKED WARE IS LESS THAN 4 FEET BELOW THE PROPOSED GRADES, IT SHALL BE COVERED WITH 4-INCH THICK FOLDSHIELD WETTED INSULATION.



16,000-GAL. RECIRCULATION TANK PLAN VIEW

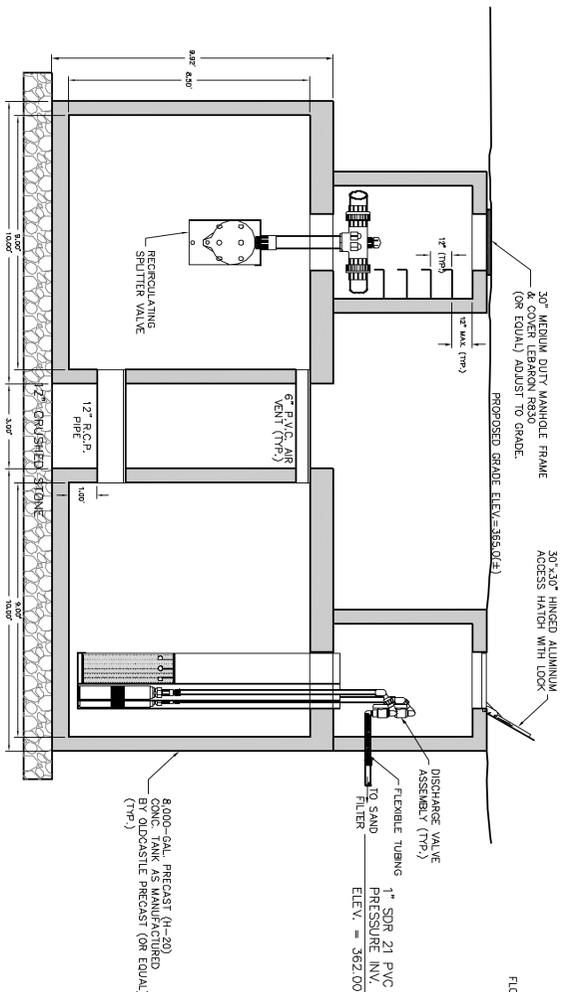
SECTION C-C

SCALE: 1" = 3'



SECTION A-A

SCALE: 1" = 3'



SECTION B-B

SCALE: 1" = 3'

EMERSON SCHOOL - PROPOSED 16,000-GAL RECIRCULATION TANKS
 50 MECHANIC STREET
 BOLTON, MASSACHUSETTS

PREPARED FOR: TOWN OF BOLTON
 PLOAN 228
 BOLTON, MA 01740

TEL: (978) 779-2297
 DATE: MARCH 31, 2004

NO.	DATE	DESCRIPTION	BY	CHECKED BY:	DATE
1	7/16/04	DEP COMMENTS	GSR	CDM	10/28/04
2	1/13/05	DEP COMMENTS	LBD	GSR	FEB 04



1092 MAIN STREET, P.O. BOX 428, BOLTON, MA, 01740
 COMPANY: DUCHARME & WHEELER, INC. 2004 SHEET 8 OF 29 J.N.2421