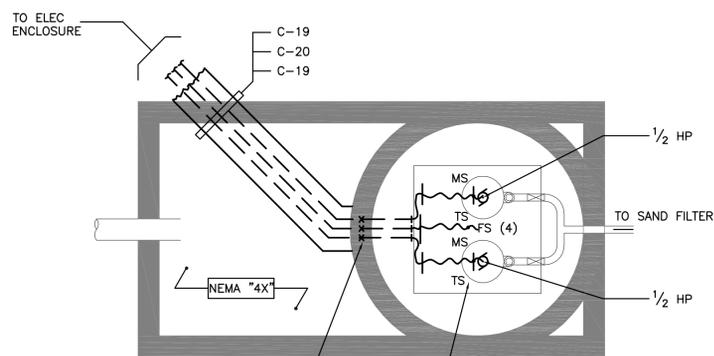
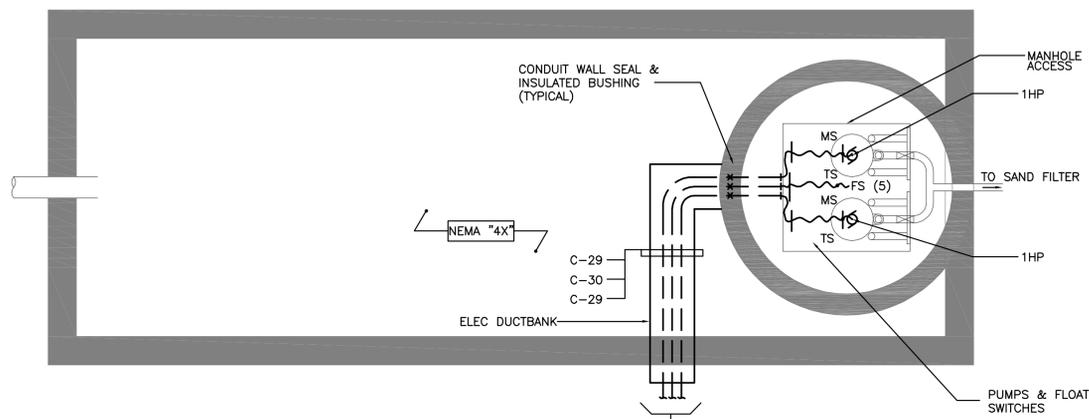


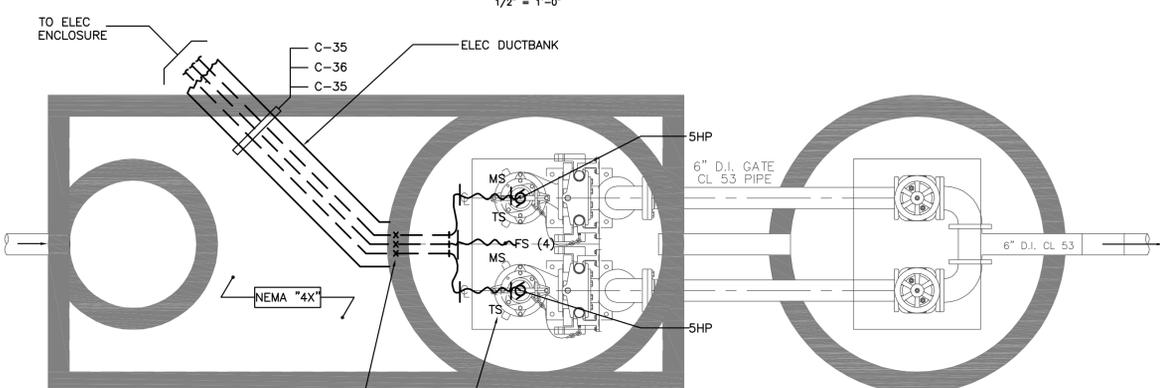
SAWYER SCHOOL  
2,000-GAL. PUMP CHAMBER POWER PLAN  
1/2" = 1'-0"



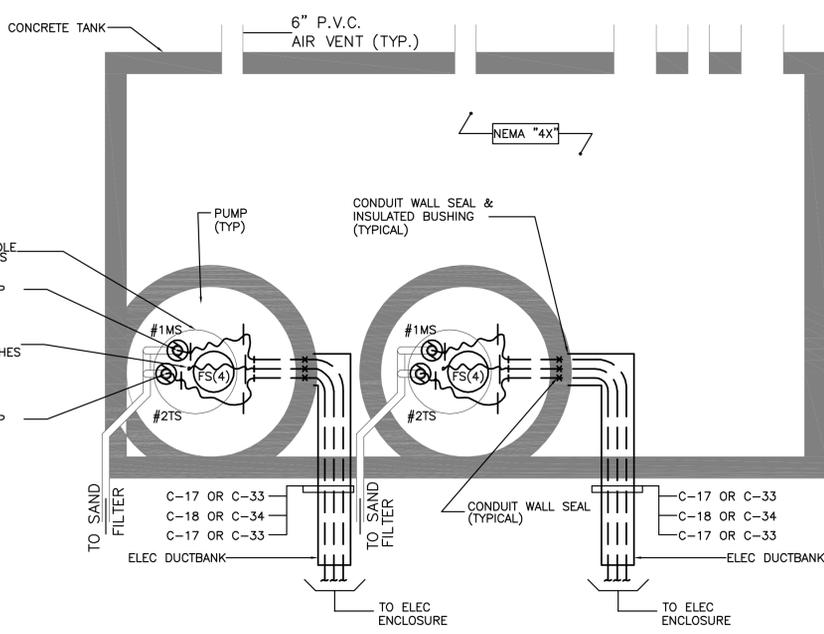
FLORENCE SAWYER SCHOOL  
1,500-GAL. PUMP CHAMBER POWER PLAN (NC)  
1/2" = 1'-0"



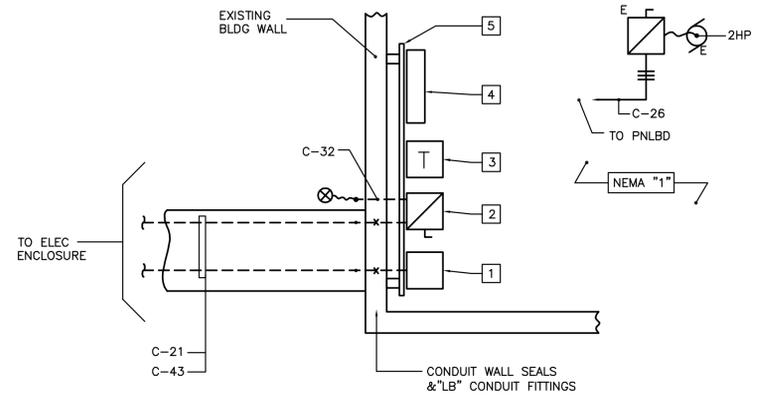
EMERSON SCHOOL  
12,000-GAL. PUMP CHAMBER POWER PLAN (NC)  
1/2" = 1'-0"



EMERSON SCHOOL  
3,000-GAL. DOSING PUMP CHAMBER POWER PLAN (MC)  
1/2" = 1'-0"



TYPICAL  
FLORENCE SAWYER OR EMERSON SCHOOL  
8,000-GAL. RECIRCULATION TANK POWER PLAN \*  
1/2" = 1'-0"



IRRIGATION SHED PARTIAL POWER PLAN  
NOT TO SCALE

ELECTRICAL POWER PLANS NOTES

- ELECTRICAL CONTRACTOR SHALL FURNISH/INSTALL TANKS CORING, CONDUIT WALL SEALS, BUSHINGS, CONDUIT/WIRE, ETC IN ORDER TO POWER, CONTROL AND ALARM THE EQUIPMENT IN THE TANKS, ELEC ENCLOSURES AND BUILDINGS.
- EC SHALL COORDINATE WITH THE "PROPOSED" NEW PUMPS ON ELECTRICAL POWER, CONTROL AND ALARM REQUIREMENTS PRIOR TO ANY EQUIPMENT RELEASE OR ROUGH WIRING.
- EC'S WORK INCLUDES FIELD SURVEYING THE EXISTING AFFECTED PWR, TELE & PUMPS EQUIPMENT AND WIRING PRIOR TO ANY DEMOLITION OR NEW WORK.
- GENERAL CONTRACTOR SHALL FURNISH/INSTALL THE NEW UNDERGROUND ELECTRICAL DUCTBANK'S EXCAVATION, BACKFILL, CONCRETE, HANDHOLES ETC INCLUDING FIELD LOCATING THE DUCTBANKS AND PROVIDING ALL NECESSARY HORIZONTAL/VERTICAL SITE COORDINATION.
- ALL EQUIPMENT AND WIRING IN THE NEMA "4X" PUMPS SHALL BE PVC WITH STAINLESS STEEL CHANNELS/HARDWARE FOR CORROSION RESISTANCE.
- THE PUMPS AND FLOAT SWITCHES SUBMERSIBLE CABLES SHALL BE SUFFICIENTLY LONG TO WIRE BETWEEN THE TANKS AND THE ELEC ENCLOSURES.
- ALL SUBMERSIBLE CABLES SHALL HAVE S/S KELLUM GRIPS SUPPORTS AS REQUIRED BY ELECTRICAL CODE.
- THE ELECTRICAL WORK IN THE IRRIGATION SHED INCLUDES DEMOLITION OF THE EXISTING OVERHEAD POWER SERVICE AND RE-CONNECTION TO THE NEW UNDERGROUND SERVICE AND SERVICE EQUIPMENT. EC'S WORK INCLUDES REWIRING ALL AFFECTED EXISTING LIGHTING & RECEPTACLES INCLUDING REWIRING THE EXISTING IRRIGATION PUMP.

ELECTRICAL DRAWINGS REFERENCE NOTES

- FOR SYMBOLS, ABBREVIATIONS & GENERAL NOTES, REFER TO DWG # E-1.
- FOR ELECTRICAL SITE PLAN & DETAILS, REFER TO DWGS # E-2 & E-3.
- FOR TANKS POWER PLANS AND DETAILS, REFER TO DWG # E-4.
- FOR ELECTRICAL ENCLOSURES PLANS AND DETAILS, REFER TO DWG # E-5.
- FOR PWR AND TELE SYSTEMS RISER DIAGRAMS, REFER TO DWG # E-6.
- FOR ELECTRICAL DETAILS, REFER TO DWG # E-7.
- FOR ELECTRICAL SCHEDULES REFER TO DWG # E-8.
- FOR ELECTRICAL SPECIFICATIONS, REFER TO DWG # E-9.

CONDUIT WALL SEAL & INSULATED BUSHING (TYPICAL)  
PUMPS & FLOAT SWITCHES

ELECTRICAL POWER PLANS EQUIPMENT LIST	
1	NEW GALVANIZED TELEPHONE SERVICE PANEL
2	NEW 480 VOLT MAIN POWER FUSED DISC SWITCH
3	NEW 480 TO 120/240 VOLT DRY TYPE TRANSFORMER
4	NEW 120/240 VOLT PANELBOARD "ISP8"
5	NEW GALVANIZED "U" CHANNEL SUPPORTS WITH PAINTED PLYWOOD EQUIPMENT MOUNTING BOARD.

SEWAGE DISPOSAL PUMPS EQUIPMENT LIST	
1	EMERSON SCHOOL 12000 GALLON PUMP CHAMBER PUMPS # 1 & 2
2	EMERSON SCHOOL 6000 GALLON RECIRCULATION TANK PUMPS # 1, 2, 3 & 4
3	EMERSON SCHOOL 3000 GALLON PUMP CHAMBER PUMPS # 1 & 2
4	SAWYER SCHOOL 6000 GALLON RECIRCULATION TANK PUMPS # 1, 2, 3 & 4
5	SAWYER SCHOOL 1500 GALLON PUMP CHAMBER PUMPS # 1 & 2

\* FOR NUMBER OF TANKS, REFER TO ELEC

ELECTRICAL SEWAGE DISPOSAL PLANS "1"  
EMERSON & SAWYER SCHOOLS  
SEWAGE DISPOSAL SYSTEM  
50 MECHANIC ST. BOLTON, MASS

DWG. NO  
E-4

PREPARED FOR: TOWN OF BOLTON TEL: (978) 779-2297  
P.O. 278 DATE: JANUARY 13, 2005  
BOLTON, MA 01740

NO.	DATE	DESCRIPTION	BY	WPE	1-13-05
			DESIGN BY:	DGK	1-13-05
			DRAWN BY:	DGK	1-13-05
			CHECKED BY:	WPE	1-13-05

SED ASSOCIATES CORP.  
Consulting MEP and I&C Engineers  
132 LINCOLN STREET  
BOSTON, MA 02111  
TEL: (617) 350-7245  
FAX: (617) 350-0332



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