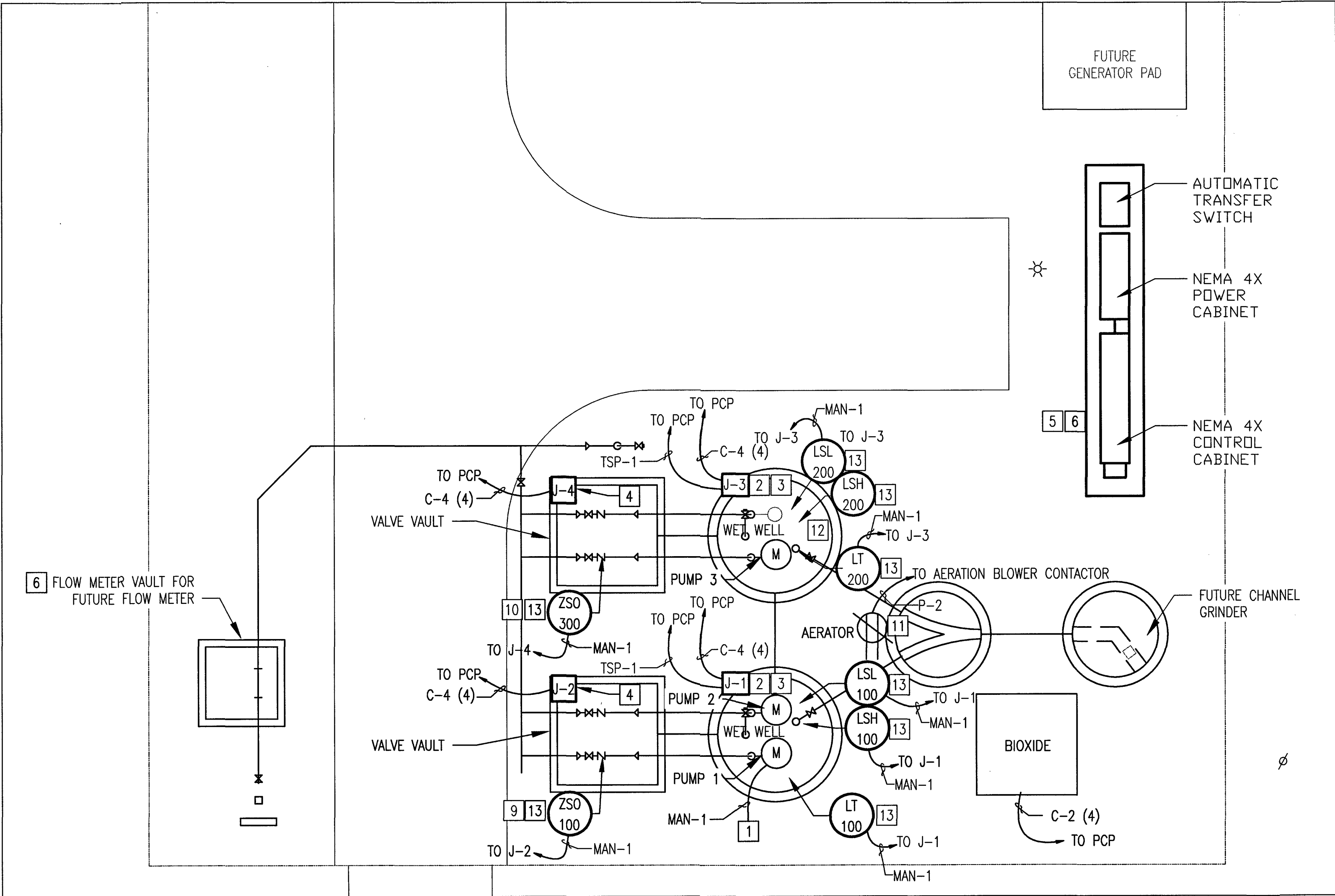
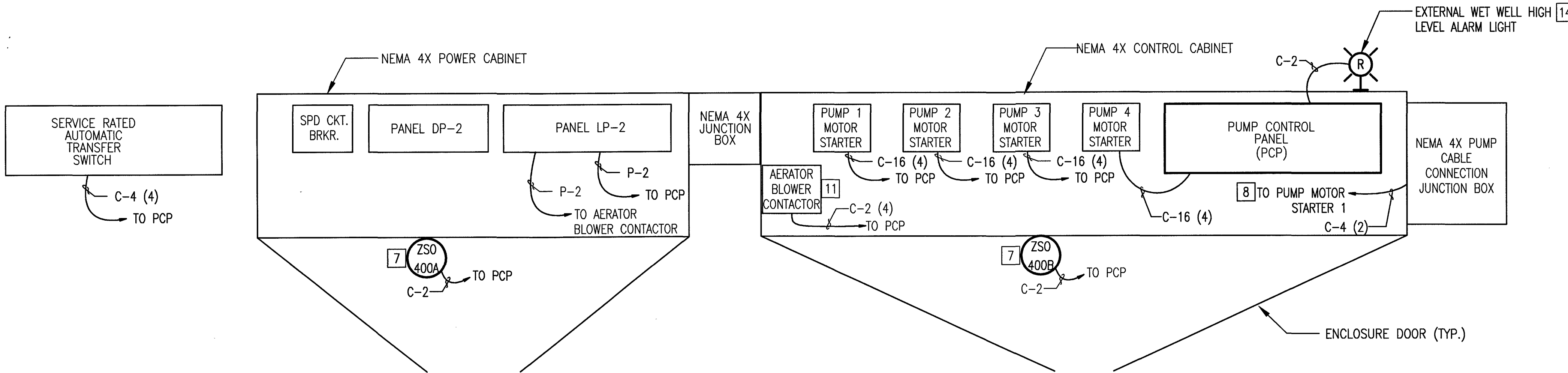


SPECIFIC NOTES

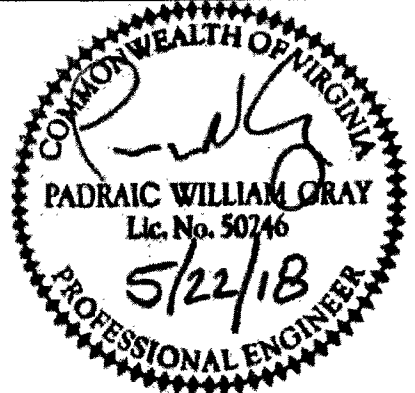
- 1 PUMP MANUFACTURER SUPPLIED CABLE CONTAINING MOTOR OVER TEMPERATURE AND SEAL FAIL CONDUCTORS. ROUTE TO NEMA 4X PUMP CABLE CONNECTION JUNCTION BOX. REFER TO E-SHEETS FOR JUNCTION BOX LOCATION AND DETAILS. TYPICAL FOR PUMPS 2 AND 3.
- 2 NEMA 4X JUNCTION BOX MOUNTED AT WET WELL. SEE DETAIL ON SHEET 11.07.
- 3 PROVIDE DIN RAIL MOUNTED, NEMA RATED TERMINALS IN JUNCTION BOX FOR SPLICING TRANSDUCER AND FLOAT SWITCH CABLES.
- 4 NEMA 4 PVC JUNCTION BOX INSTALLED IN VAULT NEAR CEILING. PROVIDE DIN RAIL MOUNTED, NEMA RATED TERMINALS FOR SPLICING PUMP CHECK VALVE SWITCH CABLES.
- 5 PROVIDE SPARE CONDUITS FOR FUTURE GENERATOR I&C CIRCUITS:
 - a. GENERATOR MONITORING/ALARMS = 1' CONDUIT - STUB CONDUIT UP BENEATH PCP AND EXTEND 3' BEYOND EDGE OF ELECTRICAL CABINET SLAB. CAP CONDUIT AT BOTH ENDS.
- 6 PROVIDE SPARE CONDUITS FOR FUTURE CHANNEL GRINDER AND FLOW METER VAULT
 - a. CHANNEL GRINDER MONITORING CONTROL = 3/4" CONDUIT - STUB UP BENEATH PCP AND EXTEND 3' BEYOND EDGE OF ELECTRICAL CABINET SLAB.
 - b. FLOW METER POWER = 3/4" CONDUIT - STUB CONDUIT UP BENEATH PCP AND EXTEND INTO VAULT.
 - c. FLOW METER SIGNAL = 1' CONDUIT - STUB CONDUIT UP BENEATH PCP AND EXTEND INTO VAULT.NOTE: CAP ALL CONDUITS AT BOTH ENDS.
- 7 INSTALL INTRUSION SWITCH ON ACTIVE SIDE OF ENCLOSURE DOOR
- 8 TYPICAL FOR PUMP MOTOR STARTERS 2, 3 AND 4
- 9 TYPICAL FOR CHECK VALVE 2
- 10 TYPICAL FOR CHECK VALVE 4
- 11 20 AMPERE, AERATION BLOWER RECEPTACLE:
 - A. SEE INSTRUMENTATION SHEETS FOR CONTROLS INTERLOCK DETAILS
 - B. SEE ELECTRICAL SHEETS AND SPECIFICATIONS FOR RECEPTACLE REQUIREMENTS.
- 12 PROVIDE CONDUIT FROM WET WELL TO NEMA 4X CABLE CONNECTION JUNCTION BOX FOR FUTURE PUMP 4 MOTOR OVER TEMPERATURE AND SEAL FAIL CONDUCTORS.
- 13 SEE DETAIL SHEET 11.07
- 14 PROVIDE 2" X 4" ENGRAVED PHENOLIC LABEL WITH 3/16" LETTERS READING "HIGH WET WELL LEVEL ALARM LIGHT"



1 LS-2 I&C LAYOUT
11.02 SCALE: NONE



2 LS-2 NEMA 4X ELECTRICAL CABINETS LAYOUT DETAIL
11.02 SCALE: NONE



WESTERN VIRGINIA WATER AUTHORITY 601 South Jefferson Street, Suite 300 Roanoke, Virginia 24011		DES: HCA DRAWN: HCA CHECK: XXX DATE: 05/24/18	SCALE: NO SCALE HORIZ: N/A VERT: N/A	SUMMIT VIEW BUSINESS PARK UTILITY IMPROVEMENTS PHASE 1	LIFT STATION #2 INSTRUMENTATION AND CONTROLS LAYOUT	DRAWING 11.02	SHEET 71
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