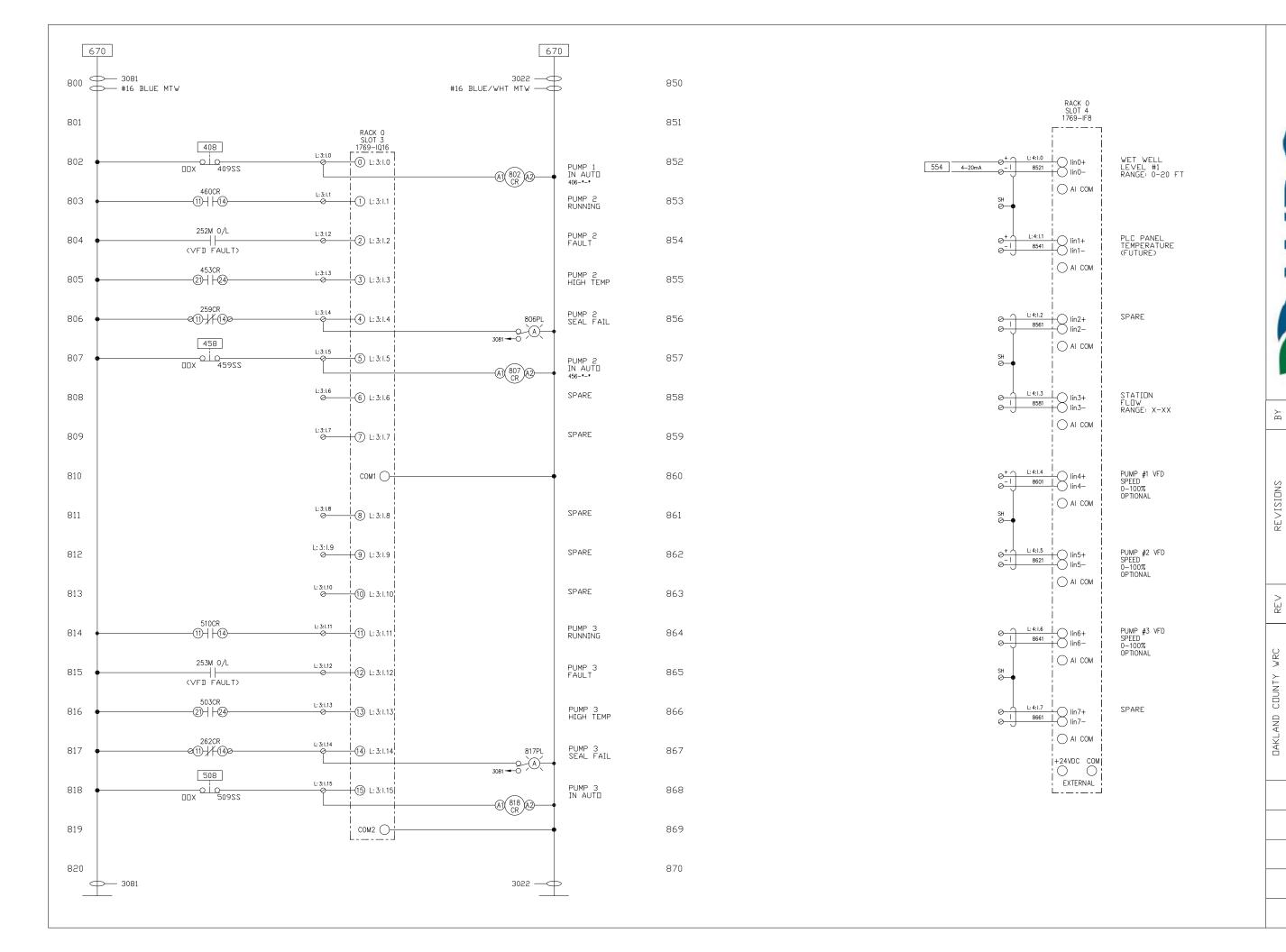
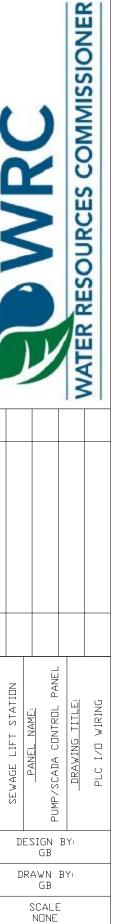




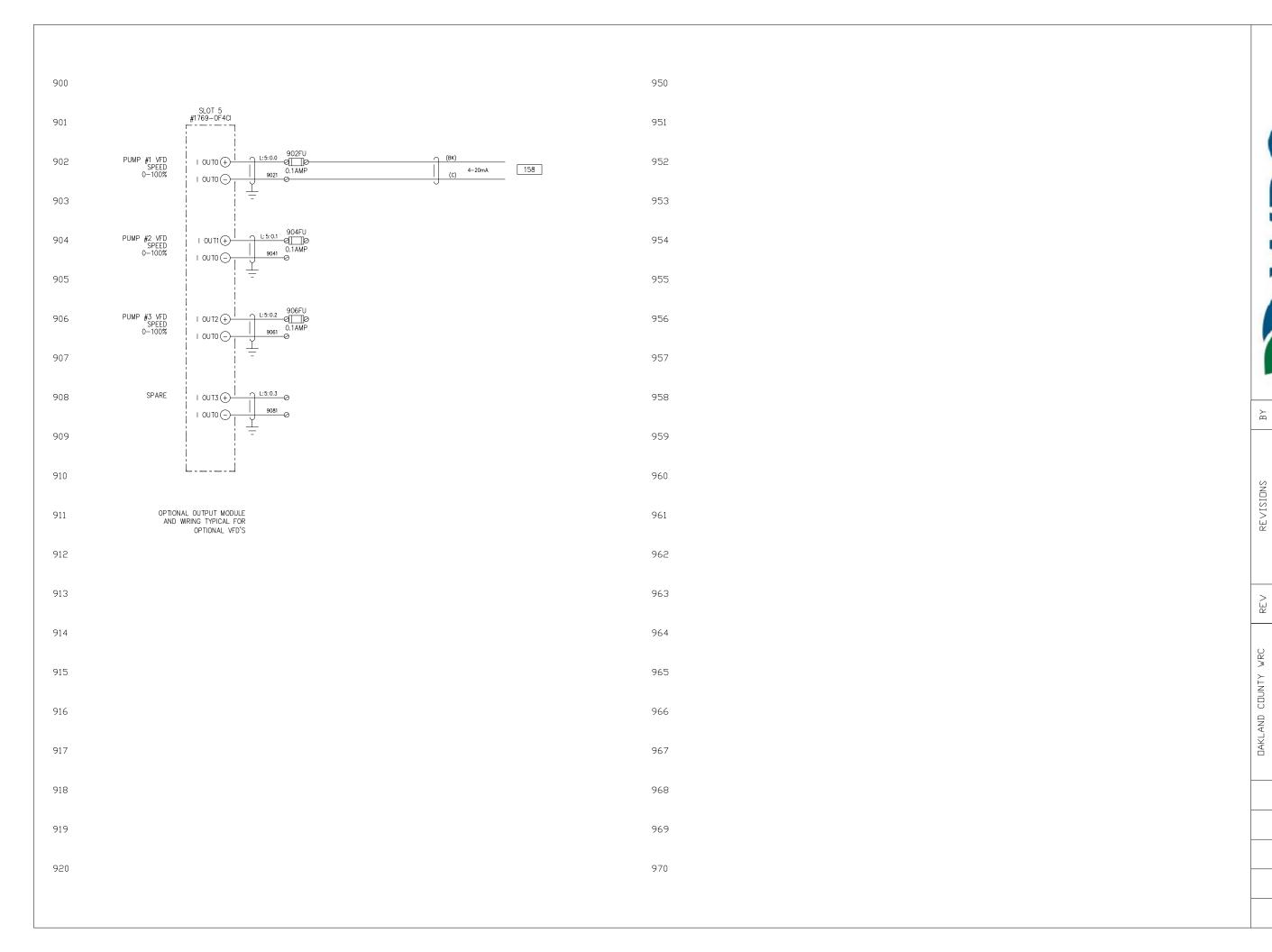
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SHEET: 07 OF 10



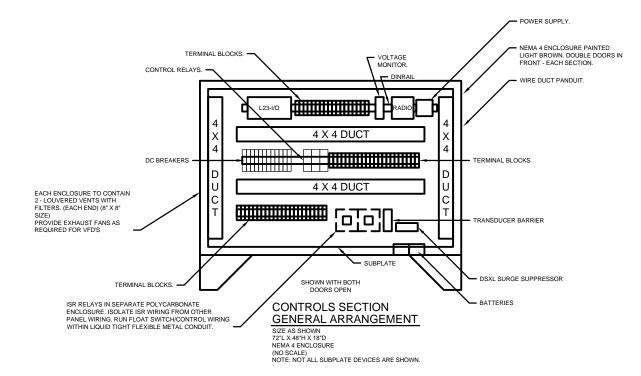


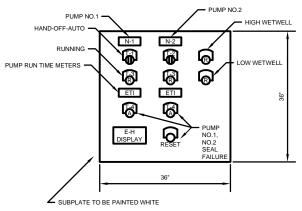
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## INTERIOR HINGED DOOR LAYOUT

CONTROLS SECTION CABINET - (LEFT SIDE)

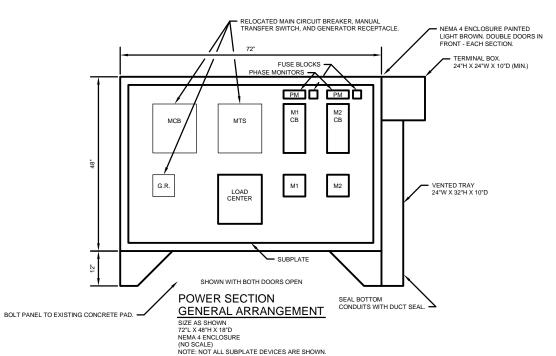
CONTROL SECTION CABINET

SUBPLATES MOUNTED ON SQUARE CHANNEL

9-3-3" CONDUITS/OPENINGS, PVC-RMC.

POWER SECTION CABINET

TERMINAL BOX/VENTED TRAY. SEE DETAIL SHEET 98.



## NOTES:

- DEMOLISH THE EXISTING PUMP CONTROL PANEL IN ITS ENTIRETY.
- 2. INSTALL THE NEW PUMP CONTROL PANEL IN PLACE OF THE EXISTING PANEL.
- 3. RE-WORK THE EXISTING ELECTRICAL SERVICE CONDUIT AND WIRE. INSTALL A NEMA 4X JUNCTION BOX ON SIDE OF PANEL AND EXTEND EXISTING WIRES TO MAIN BREAKER.
- 4. ON THE SIDE OF THE PANEL, CUT OFF THE CONDUITS THAT COME FROM THE WETWELL AT GROUND LEVEL. INSTALL OVER THE EXISTING CONDUITS A NEW 316 STANILESS STEEL VENTED TRAY, AND TERMINAL BOX. SEE DETAIL THIS SHEET FOR TRAY AND BOX REQUIREMENTS. LOCATE BOX BESIDE PANEL. INSTALL CHASE NIPPLES BETWEEN BOX AND NEW PUMP CONTROL PANEL. RECONNECT EXISTING PUMP POWER AND SENSOR CABLES TO NEW STARTERS AND RELAYS AS FOWN.
- RELOCATE THE EXISTING SERVICE ENTRANCE CIRCUIT BREAKER DISCONNECT SWITCH, MANUAL TRANSFER SWITCH, AND GENERATOR RECEPTACLE TO THE NEW PANEL.
- NEW PANEL TO BE SUPPLIED IN TWO SEPARATE SECTIONS. ONE SECTION FOR POWER, AND THE OTHER SECTION FOR CONTROLS.
- SECURE NEW PANEL TO EXISTING CONCRETE PAD. BOLT PANEL LEGS TO PAD WITH STAINLESS STEEL BOLTS.
- 8. INSTALL DUCT SEAL IN THE CONDUITS THAT COME FROM THE WETWELL, AND IN THE PENETRATIONS BETWEEN THE NEW TERMINAL BOX AND PUMP CONTROL PANEL.
- 9. RECONNECT THE EXISTING CONDUIT AND SERVICE GROUND CONDUCTOR TO PANEL GROUND.
- 10. FROM THE NEW PUMP CONTROL PANEL, INSTALL A 2 INCH PVC SCHEDULE 80 CONDUIT TO THE EXISTING RADIO POLE. TURN CONDUIT UP ON OUTSIDE OF POLE 8 FEET ABOVE GRADE. INSTALL CORD GRIP CONNECTOR AT END OF CONDUIT AND SEAL END WITH SUIGONE TO PREVENT WATER FROM ENTERING CONDUIT. SECURE CONDUIT TO SIDE OF POLE WITH STANLESS STEEL CLAMPS. INSTALL RE CABLE ON EXPERIENCE OF POLE ATTO OF POLE, INSTALL A 20 FOOT 2 INCH ALUMINIUM MAST PIPE. SECURE MAST PIPE TWICE TO POLE WITH STANLESS STEEL STRUT AND STRAPS. MOUNT IN WAY AGI ANTENNA AT TOP OF MAST PIPE. SECURE RF CABLE TO MAST PIPE AND EXISTING POLE WITH STAINLESS STEEL CLAMPS.
- 11. DEMOLISH EXISTING RADIO, POWER, SIGNAL WIRES, AND CONDUIT FROM EXISTING PANEL TO RADIO POLE. TURN OVER DEMOLISHED PANEL, AND RADIO TO WRC.
- 12. ORIENT ANTENNA AS DIRECTED BY ENGINEER/WRC.



REVISIONS								
REV								
DAKLAND COUNTY WRC	SEWAGE LIFT STATION	PANEL NAME:		PUMP/SCADA CONTROL PANEL		DRAWING TITLE:	ENCLOSURE LAYOUT	
DESIGN BY: GB								
DRAWN BY: GB								
SCALE NONE								
J□B: 4415-0XX								
SHEET: 10 OF 10								