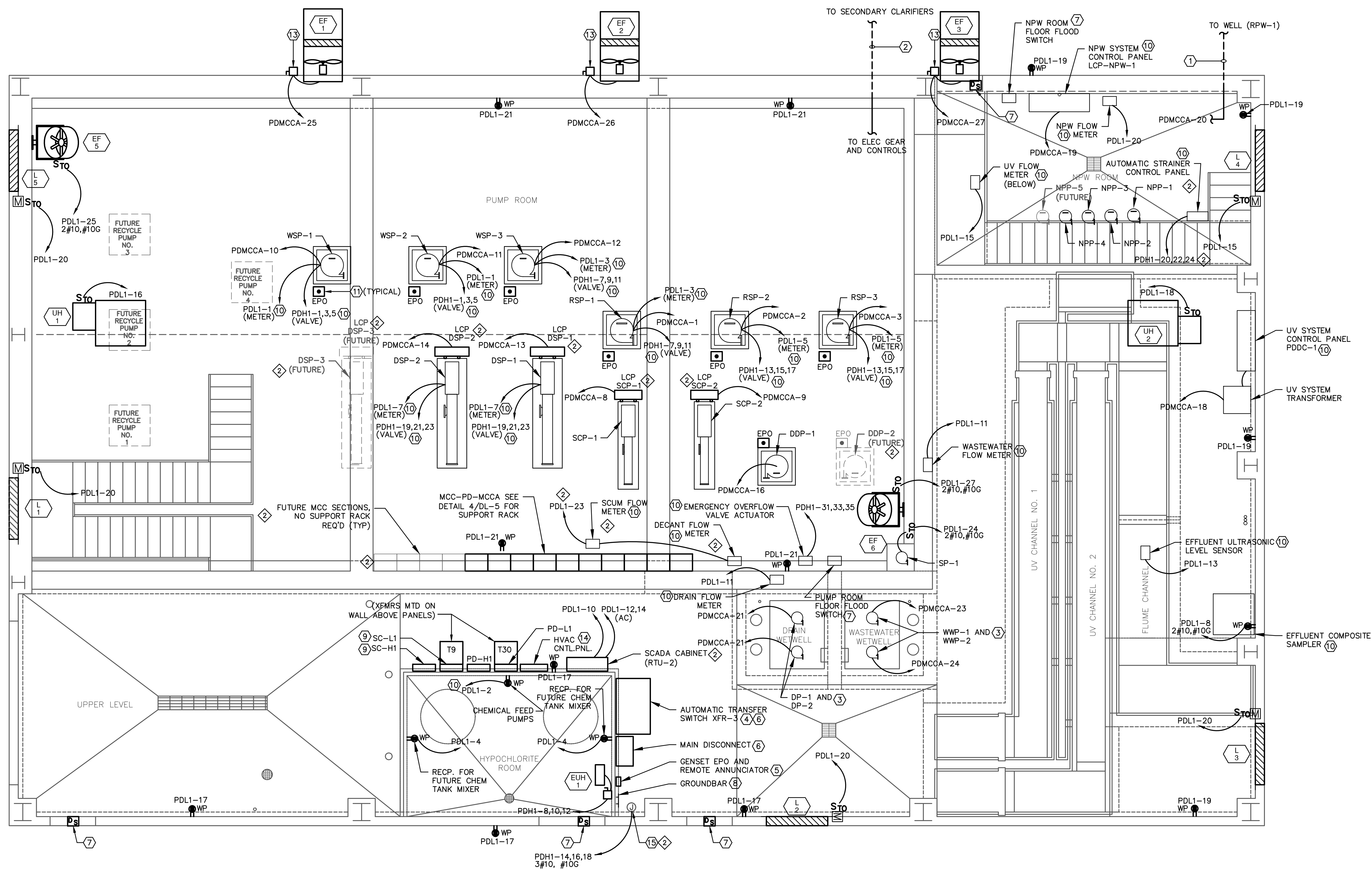


GENERAL NOTES

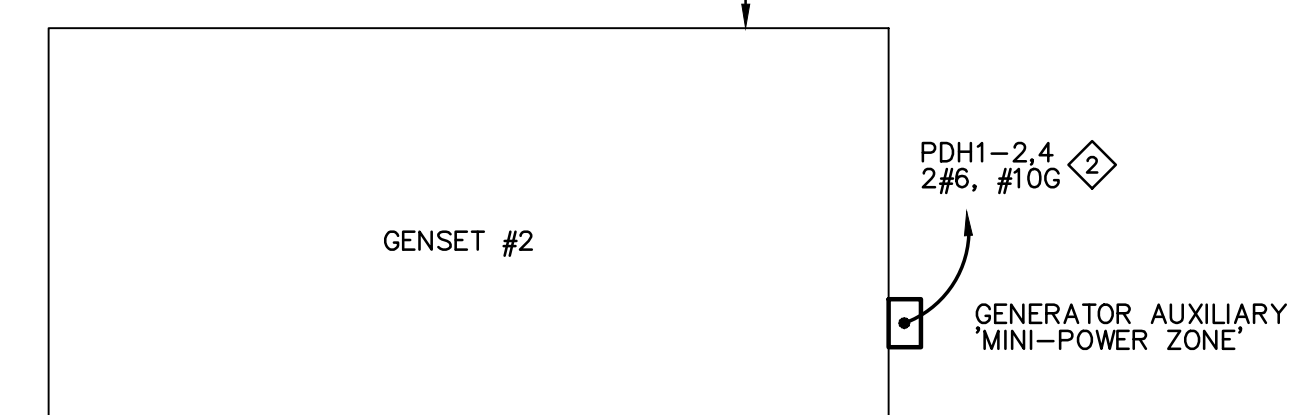
- A. DUE TO PROPOSED HOIST/CRANE ARRANGEMENTS FOR BUILDING, THE CEILING AREA MUST BE KEPT CLEAR, AND NO ELECTRICAL EQUIPMENT OR SUPPORTS CAN BE ATTACHED TO THE CEILING.
- B. UNO, WALL MOUNTED RECEPTACLES SHALL BE WEATHERPROOF WITH HINGED COVERS, MOUNTED 48" AFF.
- C. SEE SHEETS EPD-3, EPD-4, AND EPD-5 FOR FOUNDATION PACKAGE ELECTRICAL DRAWINGS INCLUDING UNDERFLOOR AND UNDERGROUND CONDUIT RUNS FOR EQUIPMENT, AND GROUNDING SYSTEM DETAILS.

KEYED NOTES

- ① FEEDER AND CONTROLS TO WELL PUMP. SEE ESP-1 FOR LOCATION. PROVIDE PUMP FEEDER AND CONTROL CONNECTIONS.
- ② FEEDERS AND CONTROLS TO SECONDARY CLARIFIERS. SEE SHEETS ESC-1, ESC-2, AND ESC-3.
- ③ SEE WET WELL DETAILS ON PROCESS PIPING PLANS. PROVIDE FLEXIBLE PUMP FEEDER CABLE IN WELLS AND PROVIDE CONTROL CONNECTIONS FOR WETWELL LEVEL PRESSURE TRANSDUCERS.
- ④ PROVIDE INDICATION TO SCADA FOR: NORMAL SOURCE AVAILABLE, ALTERNATE SOURCE AVAILABLE, TRANSFER SWITCH POSITION, GENERATOR RUNNING, AND GENERATOR FAILURE.
- ⑤ GENERATOR NO. 2 REMOTE ANNUNCIATOR PANEL AND EMERGENCY STOP PUSHBUTTON. PROVIDE LABELS INDICATING GENERATOR NO. 2.
- ⑥ PROVIDE 4" HOUSEKEEPING PADS. SEE DETAIL ON CIVIL DRAWINGS.
- ⑦ PROVIDE CONNECTION TO SCADA.
- ⑧ MAIN GROUND BAR. SEE FOUNDATION PACKAGE FOR REQUIRED GROUNDING ELECTRODES. PROVIDE SIGN ABOVE GROUND BAR PER NEC 701.9(B) INDICATING THAT GENERATOR NO. 2 IS GROUNDING AT THIS POINT.
- ⑨ MOUNT SPD UNITS FOR SC-H1 AND SC-L1 BELOW PANELS.
- ⑩ ALSO PROVIDE CONTROL AND MONITORING CONNECTION TO SCADA SYSTEM.
- ⑪ EPO'S CONNECTED TO MOTOR CONTROL CIRCUIT. SEE EDP-1.
- ⑫ PROVIDE LABEL ON DOOR INDICATING GENERATOR NO. 2 MAIN DISCONNECT INSIDE ENCLOSURE.
- ⑬ 30A/3P, NEMA 3R DISCONNECTS FOR WALL EXHAUST FANS MOUNTED ON EXTERIOR WALL AT GROUND LEVEL.
- ⑭ HVAC CONTROL PANEL BY MECH. SEE MECH DRAWINGS FOR DESCRIPTION AND SEQUENCE OF OPERATIONS. COORDINATE BRANCH CIRCUITING, AND CONTROL INTERLOCKS WITH MECHANICAL.
- ⑮ CONNECTION POINT FOR BRIDGE CRANE POWER FEEDER. COORDINATE WITH CRANE MANUFACTURER ON LOCATION AND TERMINATION REQUIREMENTS.



1 PUMPING AND DISINFECTION BUILDING ELECTRICAL POWER PLAN
 EPD-2 SCALE: SCALE: 1/4" = 1'-0"



REVISIONS		
NO.	DATE	DESCRIPTION
1	01/25/2012	ISSUED FOR PD BUILDING VALUE ENGINEERING REVIEW AND COMMENTS
2	04/18/2012	ISSUED FOR BUILDING PERMIT SUBMITTAL TO PPRBD (PUMPING AND DISINFECTION BLDG)
3	05/21/2012	ISSUED FOR CONSTRUCTION PER PPRBD BLDG PERMIT #88993 (PUMP AND DISINFECTION BLDG)

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ELECTRICAL POWER PLAN
PUMPING AND DISINFECTION BUILDING
 HAROLD D. THOMPSON REGIONAL WATER RECLAMATION FACILITY
 LOWER FOUNTAIN METROPOLITAN SEWAGE DISPOSAL DISTRICT

DRAWN: MAR DESIGNED: MAR CHECKED: MAR DATE: 2011 PROJECT NO.: 20166.330 GMS FILE NO.: 2599	GMS, INC. CONSULTING ENGINEERS 611 N. WEBER, SUITE 300 COLORADO SPRINGS, COLORADO 80903	SHEET EPD-2 OF -
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