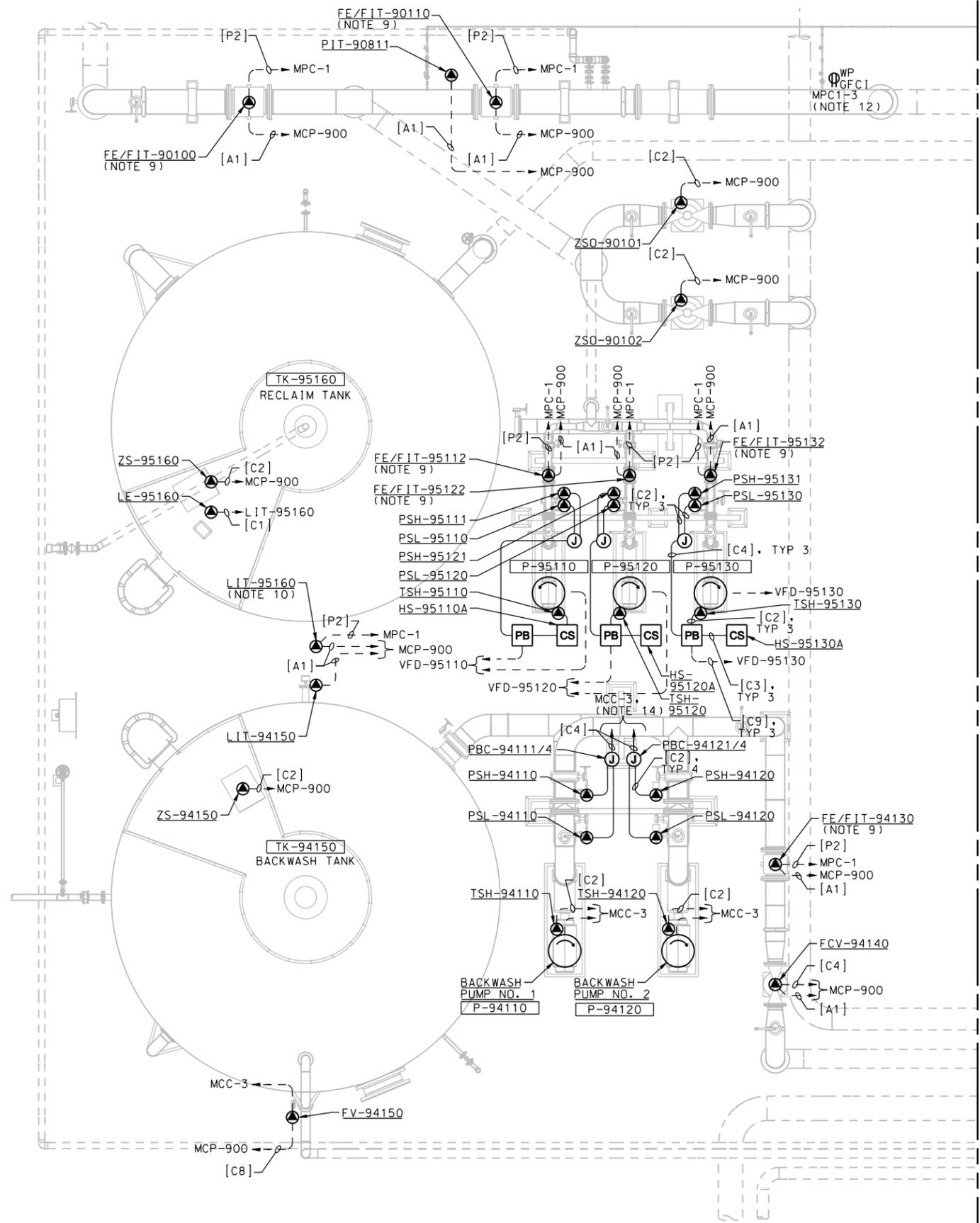


PLOT DATE: 2/19/2010 PLOT TIME: 11:08:31 AM

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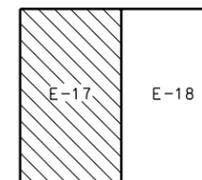


**PARTIAL PLAN 1**  
1/4"=1'-0"

**NOTES:**

- SEE SPECIFICATION 26 00 00.00 20 BASIC ELECTRICAL MATERIALS AND METHODS FOR COMBINING CIRCUITS INTO COMMON RACEWAY. CONDUITS SHALL BE INSTALLED IN CONCRETE SLAB OR BELOW GRADE. CONTRACTOR MAY COMBINE CONTROL OR SIGNAL CIRCUITS IN RESPECTIVE COLLECTOR CONDUITS FOR INSTRUMENTS GROUPED IN AN AREA TO THE FINAL HOME RUN DESTINATION. CONTRACTOR SHALL ONLY COMBINE CIRCUITS OF INSTRUMENTS ASSOCIATED TO SAME PUMP OR FILTER EQUIPMENT TO FINAL HOME RUN DESTINATION.
- SOLID LINES INDICATE NEW EQUIPMENT INSTALLATION. SCREEN LINES INDICATE FUTURE EQUIPMENT. FOR EQUIPMENT SHOWN AS FUTURE, PROVIDE CONDUITS STUBBED AND CAPPED AT EQUIPMENT LOCATIONS SHOWN AND AT HOMERUN DESTINATION SHOWN.
- CONTRACTOR SHALL PROVIDE CIRCUITING BETWEEN THE ELECTRICAL EQUIPMENT AND PROCESS EQUIPMENT AS SHOWN ON THE SINGLE LINE DIAGRAM DRAWINGS E-4
- CONDUIT ROUTING BETWEEN ELECTRICAL EQUIPMENTS AND PROCESS EQUIPMENT SHALL BE BELOW GRADE.
- CONTRACTOR SHALL COORDINATE THE LOCATION OF EQUIPMENT AND INSTRUMENTS WITH IRON AND MANGANESE FILTER SYSTEMS SUPPLIER (FSS) PRIOR TO CONDUIT ROUTING AND INSTALLATION. SEE SPECIFICATIONS 43 32 70 - IRON AND MANGANESE FILTRATION SYSTEMS.
- COORDINATE LOCATION OF ALL INSTRUMENTS, VALVES, CHEMICAL PUMP MOTORS, AND PANELS AS SHOWN ON MECHANICAL DRAWINGS PRIOR TO CONDUIT ROUTING AND INSTALLATION.
- SURFACE MOUNT PANEL BOARD MPC-1 AS PER STANDARD DETAIL 2605-008B.
- ALTHOUGH CANOPY IS NOT SHOWN, MPC-1 SHALL BE LOCATED UNDERNEATH THE CANOPY ADJACENT TO MCP-900.
- PROVIDE A WEATHER-PROOF RATED TOGGLE SWITCH, WITH INTEGRAL PADLOCK HASP, TO DISCONNECT POWER TO THE FLOW METER. TYPICAL. INSTALL PER STANDARD DETAIL 2605-011b.
- PROVIDE A WEATHER-PROOF RATED TOGGLE SWITCH, WITH INTEGRAL PADLOCK HASP, TO DISCONNECT POWER TO THE LEVEL TRANSMITTER. INSTALL PER STANDARD DETAIL 2605-011b.
- CIRCUIT NUMBERS ARE SHOWN ADJACENT TO RECEPTACLES. FOR EXAMPLE THE MPC1-14 INDICATES CIRCUIT NO. 14 IN PANEL MPC-1.
- CIRCUIT NUMBERS ARE SHOWN ADJACENT TO RECEPTACLES. FURNISH, INSTALL, AND CONNECT THE QUANTITY OF CONDUCTORS IN CONDUIT AS REQUIRED FOR THE RECEPTACLES AND EQUIPMENT CONNECTIONS ASSIGNED TO THE BRANCH CIRCUITS SHOWN. INSTALL PER STANDARD DETAIL 2605-011b.
- SEE DRAWINGS E-1 SITE PLAN AND E-16 DUCTBANK RACEWAY SCHEDULE FOR DUCTBANK ROUTING AND INTERCONNECTION.
- ROUTE THE DISCRETE SIGNALS FROM INSTRUMENTS ASSOCIATED WITH BACKWASH PUMPS TO RESPECTIVE RVSS IN MCC-3.

MATCH LINE, SEE E-18



**KEY PLAN**



DATE: 10/05/09

|  |   |                                 |                            |                               |  |
|--|---|---------------------------------|----------------------------|-------------------------------|--|
| DESIGNED BY: A. MATHIENS<br>DRAWN BY: J. HAWKER<br>CHECKED BY: R. DENTON | EASTERN MUNICIPAL WATER DISTRICT<br>PERRIS II DESALINATION FACILITY<br>PERRIS, CALIFORNIA | SYMBOL                          | DESCRIPTIONS               | REVISIONS                     |  |
|  |   |                                 |                            | DATE                          | APPROVAL   |
| SUBMITTED BY:<br>ART. JUNG, P.E.<br>CHIEF, DESIGN BRANCH                 | U.S. ARMY ENGINEER DISTRICT<br>LOS ANGELES<br>CORPS OF ENGINEERS                          | L.A. DISTRICT FILE NO. XXX-XXXX | SPEC. NO. : NOT APPLICABLE | CADD FILE NAME: PDF.e108d.dgn | <p style="text-align: center;"><b>FE/MN REMOVAL SYSTEM</b><br/><b>PLAN 1</b></p> |
|  |   |                                 |                            |                               |  |
| <p style="text-align: center;">SHEET <b>E-17</b> 162 OF 226 SHEETS</p>   |   |                                 |                            |                               |  |