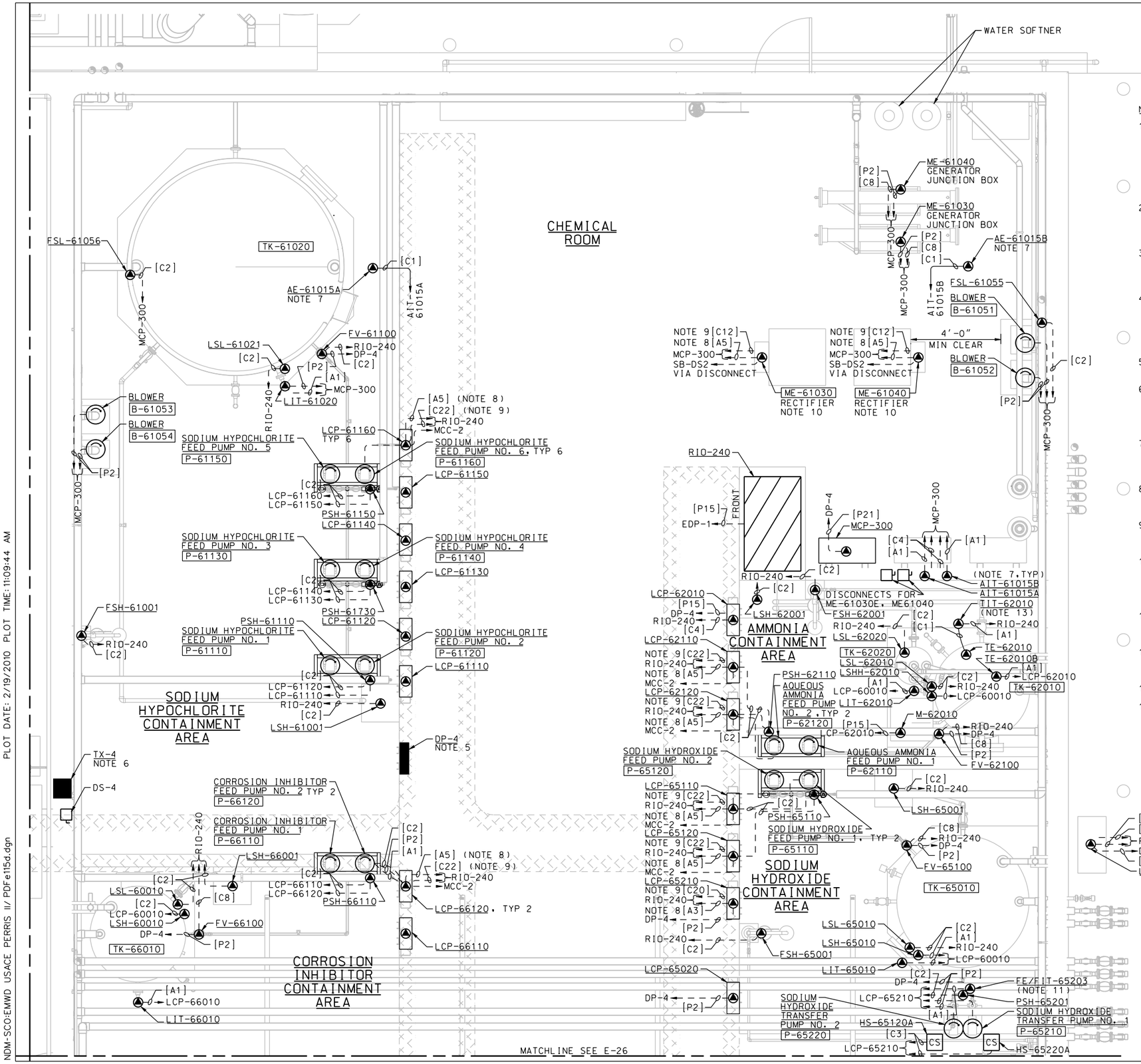
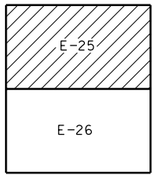


NOTES:

1. SEE SPECIFICATION 26 00 00.00 20 BASIC ELECTRICAL MATERIALS AND METHODS FOR COMBINING CIRCUITS INTO COMMON RACEWAY. ALL CONDUITS ARE TO BE INSTALLED BELOW GRADE. CONTRACTOR SHALL ROUTE THE CONDUITS IN AREAS INDICATED AS CONCEALED CONDUIT ROUTING AREA. CONTRACTOR MAY COMBINE CONTROL OR SIGNAL CIRCUITS IN RESPECTIVE COLLECTOR CONDUITS FOR INSTRUMENTS GROUPED IN AN AREA TO THE FINAL HOME RUN DESTINATION.
2. 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.
3. CONTRACTOR SHALL PROVIDE CIRCUITING BETWEEN THE ELECTRICAL EQUIPMENT AS SHOWN ON THE SINGLE LINE DIAGRAM DRAWINGS E-4, E-5, E-6, AND E-7. CONDUIT ROUTING BETWEEN ELECTRICAL EQUIPMENT SHALL BE BELOW GRADE.
4. CONTRACTOR SHALL COORDINATE THE LOCATION OF EQUIPMENT AND INSTRUMENTS WITH SODIUM HYPOCHLORITE (SHC) AND AMMONIA VENDORS PRIOR CONDUIT ROUTING AND INSTALLATION. SEE SPECIFICATIONS 44 44 13.02 - SODIUM HYPOCHLORITE GENERATION SYSTEM AND 44 44 20 - AQUEOUS AMMONIA SYSTEM FOR COORDINATION.
5. SURFACE MOUNT PANEL BOARD DP-4 AS PER STANDARD DETAIL 2605-008B.
6. MOUNT TRANSFORMER AND DISCONNECT SWITCH AS PER STANDARD DETAIL 2622-007. INSTALL TRANSFORMER PER MANUFACTURER'S REQUIREMENTS. THE SUPPORTS SHALL BE CAPABLE OF HOLDING THE TRANSFORMER WEIGHT AND SHALL MEET SEISMIC REQUIREMENTS.
7. COORDINATE THE LOCATION OF HYDROGEN SENSORS AE-61015A AND AE-61015B WITH SHC VENDOR PRIOR TO CONDUIT ROUTING AND INSTALLATION. MOUNT THE DETECTORS AIT-61015A AND AIT-61015B PER 2605-008B.
8. INCLUDES 2 ADDITIONAL SPARE ANALOG CIRCUITS. PROVIDE 5'-0" COIL IN BOTH CONTROL PANELS AND IDENTIFY AS "SPARES".
9. INCLUDES 4 ADDITIONAL SPARE DISCRETE CIRCUITS. PROVIDE 5'-0" COIL IN BOTH CONTROL PANELS AND IDENTIFY AS "SPARES".
10. ALTHOUGH NOT SHOWN, CONTRACTOR SHALL INSTALL OPEN CABLE TRAYS TO ROUTE THE DC CABLES BETWEEN THE ELECTROLYTIC CELL END CONNECTIONS AND THE RECTIFIER. DC CABLES ARE PROVIDED BY SHC VENDOR AND INSTALLED BY THE CONTRACTOR PER MANUFACTURER'S REQUIREMENTS.
11. 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.
12. COORDINATE LOCATION OF ALL INSTRUMENTS, VALVES, CHEMICAL PUMP MOTORS, AND PANELS AS SHOWN ON MECHANICAL DRAWINGS PRIOR TO CONDUIT ROUTING AND INSTALLATION.
13. INSTALL PER STANDARD DETAIL 2605-011b.
14. SEE DRAWING E-10 COMMUNICATIONS RISER DIAGRAM FOR ADDITIONAL COMMUNICATION CONDUIT AND CABLE REQUIREMENTS.



KEY PLAN

SYMBOL	DESCRIPTIONS	DATE	APPROVAL

REVISIONS

EASTERN MUNICIPAL WATER DISTRICT
PERRIS II DESALINATION FACILITY
PERRIS, CALIFORNIA

CHEMICAL STORAGE AREA
PLAN 1

DESIGNED BY: A MATHEWS
DRAWN BY: J HAMNER
CHECKED BY: R DENTON

U.S. ARMY ENGINEER DISTRICT
LOS ANGELES
CORPS OF ENGINEERS

CH2MHILL

SUBMITTED BY:
ART JUNG, P.E.
CHIEF, DESIGN BRANCH

CADD FILE NAME: PDFe115d.dgn
SPEC. NO.: NOT APPLICABLE
L.A. DISTRICT FILE NO. XXX-XXXX

REGISTERED PROFESSIONAL ENGINEER RANDALL S. DENTON No. 10438 Exp. 09/30/10 ELECTRICAL STATE OF CALIFORNIA
DATE: 10/05/09

SHEET **E-25** 170 OF 226 SHEETS

PLOT DATE: 2/19/2010 PLOT TIME: 11:09:44 AM
NDM-SCO-EMWD USACE PERRIS II/ PDFe115d.dgn