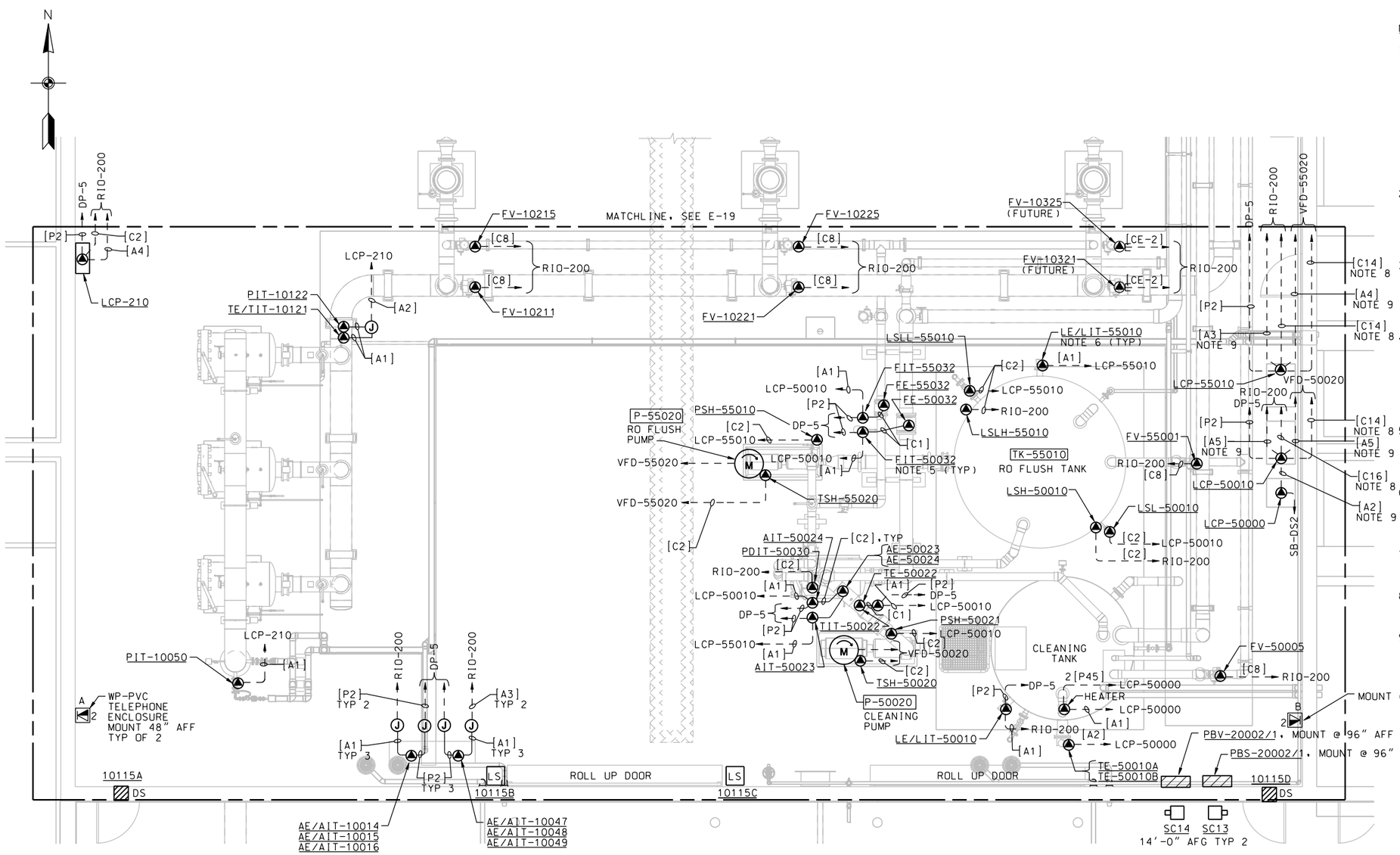
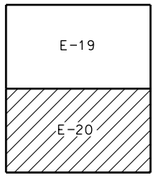


PARTIAL PLAN 2

1/4"=1'-0"

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 OR EMBEDDED IN SLAB. CONTRACTOR SHALL ROUTE THE CONDUITS IN AREAS INDICATED AS "CONCEALED CONDUIT ROUTING AREA". CONTRACTOR SHALL COMBINE CONTROL OR SIGNAL CIRCUITS IN RESPECTIVE COLLECTOR CONDUITS FOR INSTRUMENTS, ASSOCIATED TO SAME PUMP OR RO TRAIN, 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, AND E-6. CONDUIT ROUTING BETWEEN ELECTRICAL EQUIPMENT SHALL BE BELOW GRADE OR EMBEDDED IN SLAB.
4. CONTRACTOR SHALL COORDINATE THE LOCATION OF EQUIPMENT AND INSTRUMENTS WITH ROEM (REVERSE OSMOSIS) VENDOR PRIOR TO CONDUIT ROUTING AND INSTALLATION. WIRING OF SKID-MOUNTED INSTRUMENTS TO THE SKID MOUNTED CONTROL PANEL IS BY ROEM. SEE SPECIFICATIONS 43 32 56 - REVERSE OSMOSIS (RO) SYSTEM.
5. 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.
6. PROVIDE A WEATHER-PROOF RATED TOGGLE SWITCH, WITH INTEGRAL PADLOCK HASP, TO DISCONNECT POWER TO THE LEVEL TRANSMITTER. TYPICAL. INSTALL PER STANDARD DETAIL 2605-011b.
7. INCLUDES 4 ADDITIONAL SPARE ANALOG CIRCUITS. PROVIDE 5'-0" COIL IN BOTH CONTROL PANELS AND IDENTIFY AS "SPARES".
8. INCLUDES 3 ADDITIONAL SPARE DISCRETE CIRCUITS. PROVIDE 5'-0" COIL IN BOTH CONTROL PANELS AND IDENTIFY AS "SPARES".
9. INCLUDES 1 ADDITIONAL SPARE ANALOG CIRCUITS. PROVIDE 5'-0" COIL IN BOTH CONTROL PANELS AND IDENTIFY AS "SPARE".



KEY PLAN

SYMBOL	DESCRIPTIONS	DATE	APPROVAL

REVISIONS

EASTERN MUNICIPAL WATER DISTRICT
PERRIS II DESALINATION FACILITY
PERRIS, CALIFORNIA

RO PROCESS AREA PLAN 2

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: PDFe113d.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

E-20

SHEET 165 OF 226 SHEETS

PLOT DATE: 2/19/2010 PLOT TIME: 11:08:58 AM
NDM-SCO:EMWD USACE PERRIS II/ PDFe113d.dgn