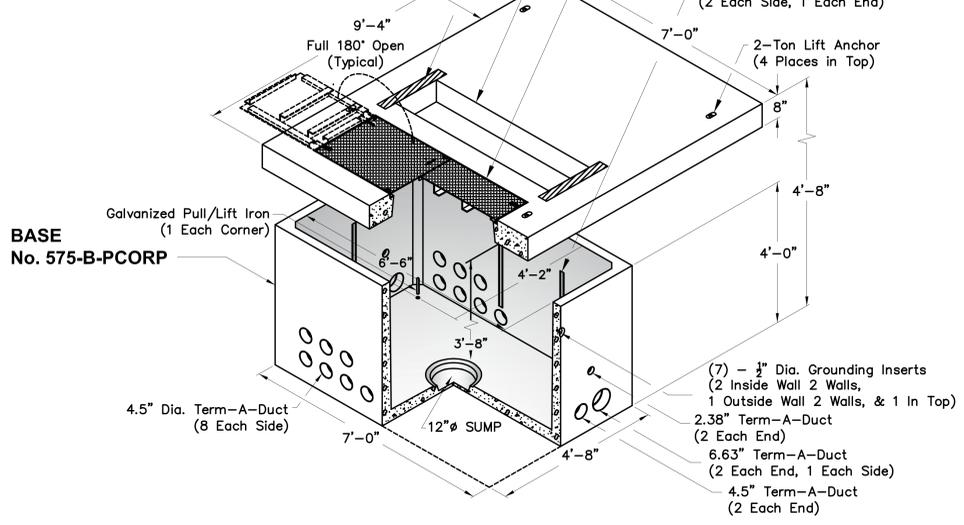


1 IRRIGATION SYSTEM ONE-LINE DIAGRAM

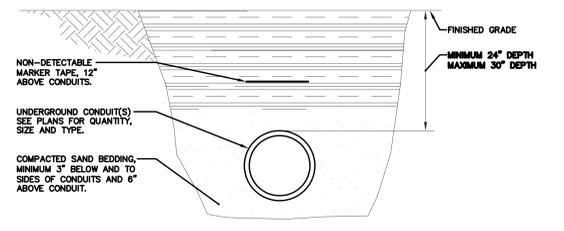
- E0.00 N.T.S.
NOTES:
1. ALL FUSES FROM 0 AMPERE TO 200 AMPERE SHALL BE DUAL ELEMENT, CLASS RK-5 UNLESS NOTED OTHERWISE.
2. INDICATES DIRECT CONNECTION OF GROUND CONDUCTOR TO GROUND BUS.
3. INDICATES O.Z. GEDNEY OR EQUAL GROUND BUSHING BONDED TO GROUND BUS WITH CONDUCTOR SIZED TO MAXIMUM FEEDER GROUND CAPACITY.
4. SERVICE ENTRANCE CONDUCTORS ARE SIZED FOR UNDERGROUND DUCT CAPACITY, TABLE B.310.7. ALL OTHER CONDUCTORS ARE SIZED BASED ON TABLE 310.16. FOR THE LISTED QUANTITY OF COPPER CONDUCTORS, IN RACEWAY, CONDUCTOR AMPACITIES ARE BASED ON 90C AND 75C TEMPERATURE RATINGS, UNLESS NOTED OTHERWISE.
5. ALL WIRE SHALL BE TYPE "THWN".
6. ALL CONDUIT LOCATED UNDERGROUND SHALL BE SCHEDULE 80 PVC OR PVC COATED RIGID METALLIC CONDUIT PER SPECIFICATIONS AND AS NOTED.
7. INDICATES KILOWATT-HOUR METER AS SUPPLIED BY UTILITY COMPANY.
8. INDICATES CURRENT TRANSFORMER, SIZE AS SPECIFIED.

TOP 4-25kV, 3-PHASE TRANSFORMER W/ACCESS No. 84/112-T-25P-1660-PCORP (Shown)



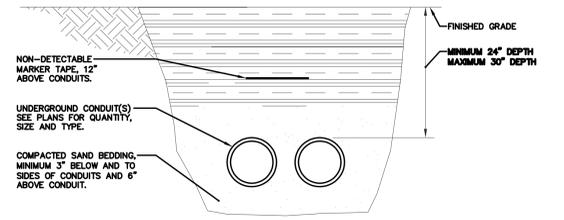
2 UTILITY TRANSFORMER/VAULT DETAIL

- E0.00 N.T.S.
NOTES:
1. DETAIL PROVIDED BY OLDCASTLE CORPORATION AND IS PROVIDED FOR REFERENCE ONLY BASED ON THE SPECIFIED PRODUCT COMPONENTS TO BE MOORED AS REQUIRED FOR THE EXACT TRANSFORMER BEING PROVIDED AS COORDINATED WITH PACIFIC POWER.



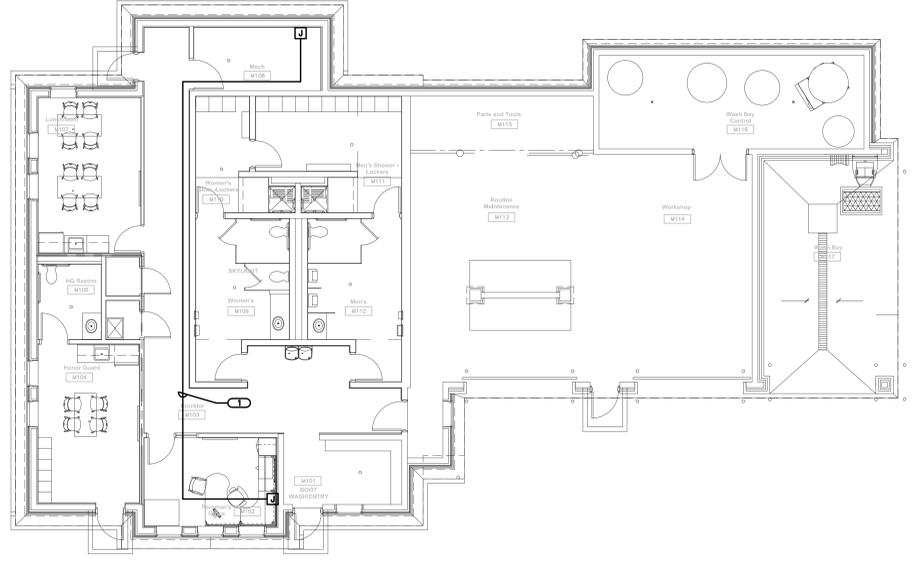
3 UNDERGROUND CONDUIT DETAIL

- E0.00 N.T.S.
NOTES:
1. INSTALL 200 LB TENSILE STRENGTH PULL ROPE IN ALL EMPTY CONDUITS.



4 UNDERGROUND CONDUIT DETAIL

- E0.00 N.T.S.
NOTES:
1. INSTALL 200 LB TENSILE STRENGTH PULL ROPE IN ALL EMPTY CONDUITS.



6 MAINTENANCE BUILDING - FIRST FLOOR PLAN

- E0.00 N.T.S.
KEYNOTES:
1. PROVIDE ONE (1) CATEGORY 6 DATA CABLE ABOVE EXISTING CEILING USING EXISTING TECHNOLOGY CABLING PATHWAYS. CABLE IS TO TERMINATE AT A JACK/FACEPLATE NEAR THE IRRIGATION CONTROLLER IN THE MECHANICAL ROOM, AND AT A FACEPLATE/JACK IN THE FOREMAN'S OFFICE. FISH DOWN EXISTING FINISHED WALL TO CONCEAL CABLE AND PROVIDE NEW FLUSH BACKBOX IN FOREMAN'S OFFICE. PROVIDE CATEGORY 6 PATCH CABLES FROM JACK TO IRRIGATION CONTROLLER AND FROM JACK TO WATER MANAGER COMPUTER IN FOREMAN'S OFFICE. COORDINATE IRRIGATION CONTROLLER AND WATER MANAGER COMPUTER LOCATIONS PRIOR TO INSTALLATION. CONFIRM WIRING REQUIREMENTS WITH IRRIGATION VENDOR.

GENERAL ELECTRICAL NOTES:

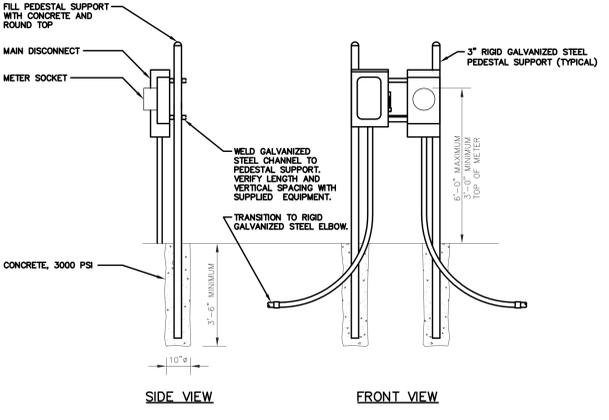
- 1. "/E0.00" INDICATES DETAIL NUMBER/SHEET NUMBER.
2. INDICATES ELECTRICAL EQUIPMENT DEFINED IN ELECTRICAL SCHEDULES. REFER TO DRAWINGS CONTAINING ELECTRICAL SCHEDULES. PERMANENT NAMEPLATE SHALL MATCH FINAL EQUIPMENT NOMENCLATURE, NOT ELECTRICAL EQUIPMENT TAG NAME, REFER TO SPECIFICATIONS.
3. INDICATES KEYED NOTE USED TO DESCRIBE ADDITIONAL INFORMATION OF WORK REQUIRED, SPECIFIC TO THE SHEET AND/OR DETAIL IT IS SHOWN WITH.
4. ALL ELECTRICAL CONDUCTORS SHALL BE COPPER AND INSTALLED IN CONDUIT.
5. ABBREVIATION KEY:
E.C. ELECTRICAL CONTRACTOR
G.C. GENERAL CONTRACTOR
C. TYPICAL
6. LINE TYPE KEY:
NEW WORK BY THIS CONTRACTOR (DARK SOLID LINE)
NEW WORK UNDERLOOR OR UNDERGROUND BY THIS CONTRACTOR (DARK LONG DASHED LINE)
NEW WORK BY OTHERS AND/OR EXISTING TO REMAIN (LIGHT SOLID LINE)

ELECTRICAL INSTALLATION NOTES:

- 1. THE COMPLETE INSTALLATION SHALL BE IN ACCORDANCE WITH THE ADAAG (AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES).
2. A #12 GREEN INSULATED GROUND CONDUCTOR SHALL BE INSTALLED WITH CIRCUIT CONDUCTORS TO ALL RECEPTACLES.
3. CONTRACTOR SHALL VERIFY ALL EQUIPMENT LOCATIONS WITH CIVIL AND IRRIGATION PLANS, ELEVATIONS AND REVIEWED SHOP DRAWINGS. PRIOR TO MAKING THE ACTUAL ELECTRICAL INSTALLATION THIS CONTRACTOR SHALL ADJUST RECEPTACLES, OUTLETS OR CONNECTION LOCATIONS TO ACCOMMODATE EQUIPMENT.
4. ELECTRICAL EQUIPMENT SHALL BE MOUNTED TO AVOID IMPEDANCE OF OPERATION OF AND/OR ACCESS TO ELECTRICAL AND MECHANICAL EQUIPMENT. ALL MOUNTING OF ELECTRICAL, OR EQUIPMENT SUPPLIED BY ANOTHER CONTRACTOR, SHALL BE APPROVED IN ADVANCE BY THE OTHER CONTRACTOR.
5. ALL FINAL ELECTRICAL CONNECTIONS TO EQUIPMENT SHALL BE MADE WITH FLEXIBLE LIQUIDTIGHT CONDUIT. FLEXIBLE LIQUIDTIGHT CONDUIT SHALL NOT EXCEED 6' IN LENGTH.
6. ALL WELDING SHALL BE ACCORDING TO AMERICAN WELDING SOCIETY STANDARDS. CONTRACTOR SHALL FURNISH TO THE ARCHITECT/ENGINEER CERTIFICATES QUALIFYING EACH WELDER, PRIOR TO START OF WORK. THE ARCHITECT/ENGINEER RESERVES THE RIGHT TO REQUIRE QUALIFYING DEMONSTRATION, AT THE CONTRACTOR'S EXPENSE, OF ANY WELDERS ASSIGNED TO THE JOB.

ELECTRICAL SYMBOL LIST table with columns for SYMBOL and DESCRIPTION. Includes symbols for electrical connection to equipment, electrical meter, meter/CT cabinet, disconnect switch, and transformer.

DISCONNECT AND STARTER SCHEDULE table with columns for ITEM, FUSED, NON-FUSED, CIRCUIT BREAKER, VOLTAGE, POLES, STARTER, NEMA SIZE, TYPE, NEMA ENCLOSURE, REMARKS, and APPROVED MANUFACTURERS.



5 METER PEDESTAL DETAIL

- E0.00 N.T.S.

BID DOCUMENTS

Project information section including Drawing Title (ELECTRICAL COVER SHEET), Project Title (CEMETERY EXPANSION), Date (10-9-2015), Project Number (906 CM 3012), Drawing Number (E0.00), and Dwg. 75 of 85. It also lists logos for Anderson Engineering, Water in Motion, and National Cemetery Administration.

