

ELECTRICAL SYMBOLS & ABBREVIATIONS:

- ⊕ DUPLEX RECEPTACLE, 120V/20A, MOUNT 15" A.F.F. UNLESS NOTED OTHERWISE.
- ⊙ JUNCTION BOX, MOUNT AS SHOWN.
- ≡ NUMBER OF WIRES IN CONDUIT, LONG SLASH DENOTES GROUND WIRE, SHORT SLASH DENOTES NUMBER OF CURRENT CARRYING CONDUCTORS & NEUTRALS, HALF SLASH DENOTES SWITCHED LEG.
- ⌘ LIGHT CIRCUIT SWITCH, 120V/20A, MOUNT 46" A.F.F. UNLESS NOTED OTHERWISE.
- ⏏ FUSED OR NONFUSED DISCONNECT SAFETY SWITCH, SIZE & TYPE AS SHOWN.
- ⊠ NEMA MOTOR STARTER, SIZE AS SHOWN.
- UNDERGROUND CONDUIT.
- ABOVE GROUND CONCEALED CONDUIT.
- ATS AUTOMATIC TRANSFER SWITCH.
- CWP COLD WATER PIPE.
- (E) EXISTING EQUIPMENT.
- FVNR FULL VOLTAGE, NON-REVERSING.
- GFI GROUND FAULT CIRCUIT INTERRUPTER.
- HD HEAVY DUTY.
- MCC MOTOR CONTROL CENTER.
- S.C.E. SOUTHERN CALIFORNIA EDISON.
- SES SERVICE ENTRANCE SECTION, SIZED AS SHOWN.
- XFMR TRANSFORMER.
- WP OUTDOOR WEATHERPROOF ENCLOSURE.
- WP-IU OUTDOOR WEATHERPROOF "IN-USE" ENCLOSURE.

ELECTRICAL GENERAL NOTES:

1. ALL MATERIALS AND WORKMANSHIP TO BE NEW AND OF FIRST RATE QUALITY. MATERIALS TO BE UL LISTED AND APPROVED. ALL MATERIALS AND EQUIPMENT SHALL BE INSTALLED IN COMPLIANCE WITH THE CURRENT ADOPTED EDITION OF THE NATIONAL ELECTRICAL CODE AND ANY OTHER STATE AND LOCAL APPLICABLE CODES.
2. ALL CEILING, FLOOR, AND WALL PENETRATIONS AND BOXES SHALL BE CAULKED/SEALED TO PRESERVE FIRE RATINGS AND WATER PROOF INTEGRITY. FIRESTOPPING OF PENETRATIONS IN AND THROUGH FIRE RATED FLOORS, CEILINGS & WALLS SHALL BE IN ACCORDANCE WITH IBC & UL AND AS REQUIRED BY THE FIRESTOPPING MANUFACTURER FOR THE CONSTRUCTION TYPE & FIRE RATING SPECIFIED (SEE RECORD DRAWINGS). THE FIRESTOPPING SYSTEM SHALL BE LISTED AND TESTED TO UL-1479 & ASTM E-814. INSTALL IN STRICT COMPLIANCE WITH THE MANUFACTURER INSTRUCTIONS.
3. ALL ELECTRICAL CONDUCTORS SHALL BE COPPER, 90 DEGREE C TEMPERATURE RATING, MINIMUM SIZE IS NO. 12 AWG. ALL WIRING SHALL BE IN CONDUIT UNLESS OTHERWISE NOTED ON THE DRAWINGS. UNDERGROUND CONDUCTORS MUST BE RATED FOR 90 DEGREE C AS DEFINED FOR "WET LOCATION" BY THE NEC UNLESS NOTED OTHERWISE.
4. A. ALL CONDUIT SHALL BE METALLIC ELECTRICAL CONDUIT UNLESS NOTED OTHERWISE ON THE DRAWINGS. MINIMUM SIZE CONDUIT IS 1/2". ALL CONDUITS AND BOXES SHALL BE CONCEALED ABOVE CEILINGS, IN WALLS OR UNDER FLOORS AS REQUIRED OR AS NOTED OTHERWISE ON THE DRAWINGS.
B. UNDERGROUND CONDUIT SHALL BE MINIMUM OF SCHEDULE 40 PVC OR MEDIUM WALL (MW) FIBERGLASS RTRC, 90 DEGREE C. RATED WITH MINIMUM OF TRENCH COVER PER NEC TABLE 300-5. ALL UNDERGROUND JUNCTION/PULL BOXES SHALL BE RATED THE SAME AS THE ASSOCIATED CONDUIT. MINIMUM SIZE UNDERGROUND CONDUIT IS 3/4".
5. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION OF CONDUIT, WIRING, ELECTRICAL EQUIPMENT AND ASSOCIATED HARDWARE WITH THE INSTALLATION OF THE MECHANICAL EQUIPMENT AND OTHER TRADES. SEE THE CIVIL PLANS FOR EXACT LOCATIONS.
6. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR COORDINATION AND INSTALLATION OF SERVING ELECTRICAL TELEPHONE/TV COMPANY CONDUIT SYSTEMS AND SERVICE EQUIPMENT. UNDERGROUND TRENCH LOCATIONS SHOWN ARE APPROXIMATE AND MUST BE VERIFIED BY THE SERVING UTILITY. CONTACT WITH THE SERVING UTILITIES IS REQUIRED PRIOR TO INSTALLATION. THE CONTRACTOR IS RESPONSIBLE FOR EXISTING FIELD CONDITIONS AND PROVIDING A FULL FUNCTIONING ELECTRICAL SYSTEM.
7. ALL LIGHT FIXTURES, RECEPTACLE AND JUNCTION BOXES, PANEL BOARDS AND ALL OTHER METALLIC ELECTRICAL APPLIANCES AND DEVICES MUST BE GROUNDED AS REQUIRED BY SECTION 250 OF THE NATIONAL ELECTRICAL CODE.

NOTES:

1. ALL ELECTRICAL WORK SHOWN IS NEW UNLESS OTHERWISE NOTED.
2. SEE PANEL SCHEDULES FOR BRANCH CIRCUIT WIRE SIZING UNLESS INDICATED OTHERWISE.
3. EXISTING ELECTRICAL NOT INDICATED TO BE REMOVED OR REPLACED SHALL BE PROTECTED DURING CONSTRUCTION & LEFT IN PLACE. CLEAN/REPAIR/RESTORE THIS EXISTING ELECTRICAL TO SERVICEABLE CONDITION PRIOR TO COMPLETION OF WORK.
4. THE ELECTRICAL CONTRACTOR SHALL COORDINATE, BID, AND PROVIDE ALL INCIDENTAL ELECTRICAL DEMOLITION WORK, TEMPORARY ELECTRICAL REMOVAL & REINSTALLATION WORK, & RESTORATION OF EXISTING ELECTRICAL WORK TO EXISTING CONDITION OR BETTER AT ANY CIVIL DEMOLITION OR RENOVATIONS IDENTIFIED ON THE CIVIL PLANS. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR REVIEWING THE CIVIL PLANS & COORDINATING WORK RESPONSIBILITY WITH THE GENERAL CONTRACTOR & INCLUDING ALL SUCH WORK IN THE CONTRACT BID.

KEY NOTES:

- ① VERIFY EXISTING PRESSURE TRANSDUCER, TRANSMITTER, & WIRING. NEW PRESSURE TRANSDUCER, TRANSMITTER, & WIRING SHALL MATCH EXISTING AND BE COMPATIBLE WITH THE NEW WATER TANK. CIRCUIT THE NEW PRESSURE TRANSDUCER AND TRANSMITTER TO THE EXISTING PLC AND WELL PUMP CONTROLS. REPROGRAM THE EXISTING PLC TO CONTROL THE EXISTING WELL PUMP WITH THE NEW TANK PRESSURE TRANSDUCER AND TO ALLOW MANUAL SELECTION OF WELL PUMP CONTROL TO EITHER THE NEW OR EXISTING TANK. TEMPORARILY LOCK OUT SELECTION TO THE EXISTING TANK UPON REMOVING THE EXISTING TANK FROM SERVICE.

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The Holt Group

ENGINEERING PLANNING SURVEYING

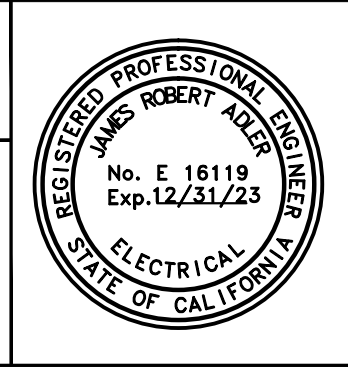
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NO.	REVISIONS:	APPROVED	DATE	DESIGN BY:
				JRA

BENCHMARK: CITY OF BLYTHE BENCHMARK

ELEVATION: EL=406.33

LOCATION:
CHISELED SQUARE AT THE TOP OF THE NORTHWEST CORNER OF EXISTING A.C. PAD LOCATED AT THE NORTHWEST CORNER OF THE STORAGE ROOM EAST OF THE BOOSTER PUMP STATIONS.
 EL = 406.33



PREPARED UNDER THE DIRECT SUPERVISION OF:

JRA

JAMES R. ADLER, P.E.

DATE: 02/02/2022

E-16119
R.C.E. NO.
12/31/2023
REG. EXP.

CITY OF BLYTHE -
NEW WATER RESERVOIR AT PALO VERDE COLLEGE

SHEET CONTENT:
ELECTRICAL SITE PLAN

LOCATION: BLYTHE, CA. CLIENT: CITY OF BLYTHE

SHEET
E1

OF 10 SHEETS

JOB NO.
100.285