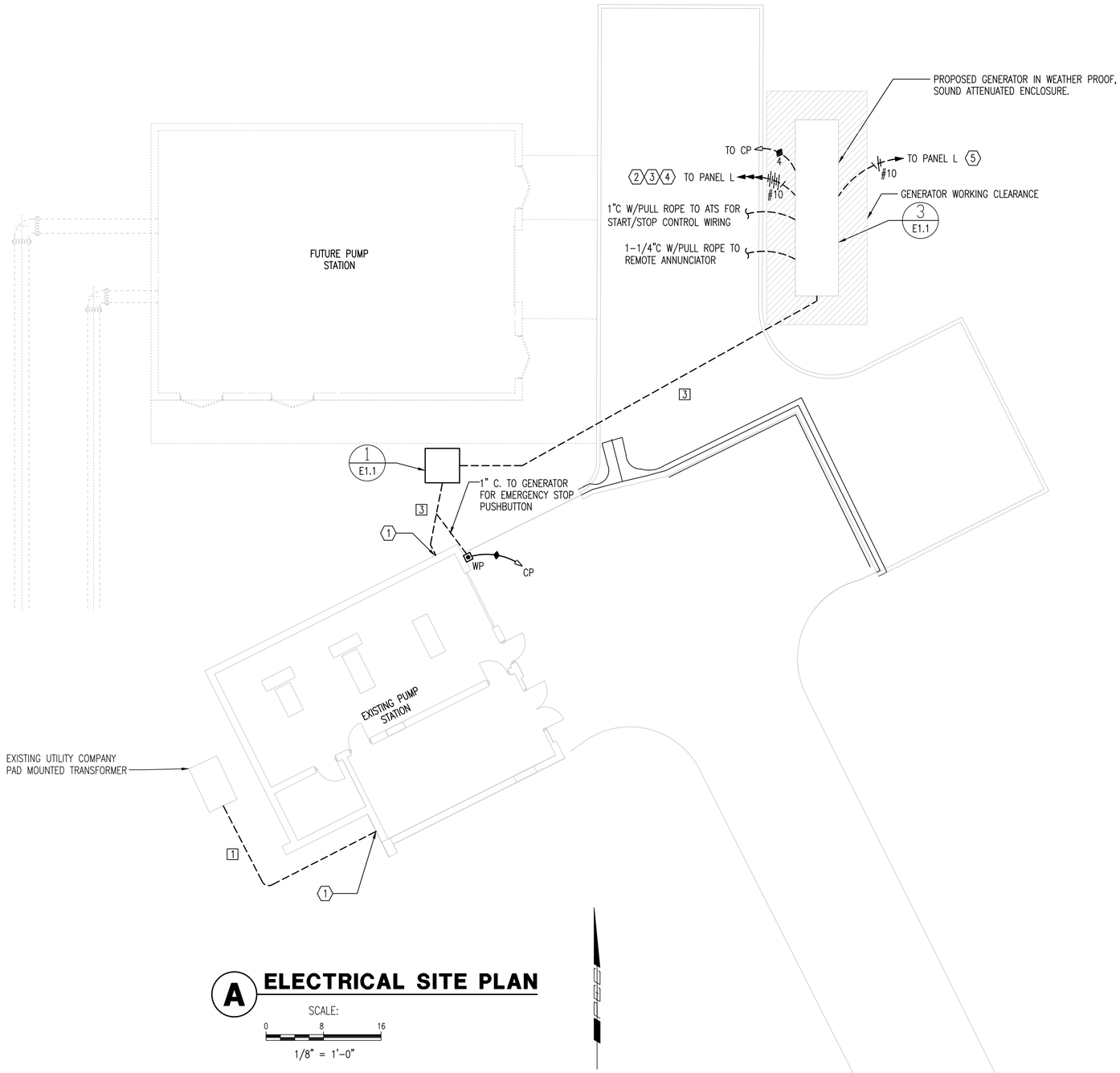

A ELECTRICAL SITE PLAN

SCALE:

0 8 16

1/8" = 1'-0"

ELECTRICAL SITE PLAN NOTES:

1. UNLESS OTHERWISE NOTED, ALL CONDUIT ROUTED ON SITE SHALL BE 1" MINIMUM.
2. ALL RISERS SHALL BE PVC COATED RIGID GALVANIZED STEEL (RGS) ALL ELLS BELOW GRADE SHALL BE PVC COATED RIGID GALVANIZED STEEL (RGS). PROVIDE WITH PVC TO STEEL ADAPTER(S) AS NECESSARY.
3. ALL ELECTRICAL WORK AND FEES ASSOCIATED WITH UTILITIES SHALL BE VERIFIED AND COORDINATED WITH LOCAL SERVICE PROVIDER PRIOR TO BID.
4. CONTRACTOR SHALL REFERENCE ALL RELATED CONTRACT DOCUMENTS, SITE SURVEY, AND OTHER RESOURCES FOR POSSIBLE CONFLICTS WITH OTHER UNDERGROUND UTILITIES. AT UTILITY CROSSINGS, CONTRACTOR SHALL VERIFY UTILITY DEPTHS AND COORDINATE CONDUIT ROUTING AS NECESSARY.
5. CONTRACTOR SHALL VERIFY AND COORDINATE EXISTING CONDITIONS OF PROJECT SITE PRIOR TO BID.
6. CONTROL JUNCTION BOXES SHALL BE SIZED PER THE N.E.C. AS A MINIMUM.
7. RUN ALL CONTROL CABLES IN SEPARATE CONDUITS FROM POWER CIRCUITS. RUN SHIELDED CABLES (ANALOG) AND LAN CABLES IN SEPARATE CONDUIT FROM OTHER CONTROL CABLES (DISCRETE).
8. SEE CONTROL CABLES CONDUIT SCHEDULE FOR CONTROL CABLE CONDUIT SIZING REQUIREMENTS.
9. FURNISH AND INSTALL ALL CONDUIT AND WIRING AS REQUIRED FOR COMPLETE FUNCTIONALITY OF EQUIPMENT AS SPECIFIED AND AS IDENTIFIED BY THE MANUFACTURER. COORDINATE FIELD WIRING REQUIREMENTS WITH EQUIPMENT MANUFACTURER.
10. REFER TO CIVIL DRAWINGS AND SECTIONS FOR EXACT EQUIPMENT LOCATIONS.
11. LOCATE CONTROLS CONDUIT AND JUNCTION BOXES SO AS NOT TO INTERFERE WITH EQUIPMENT OPERATION, MAINTENANCE, OR REPLACEMENT.
12. A CONDUIT FOR ANALOG CABLE SHALL TERMINATE IN EQUIPMENT ENCLOSURE AS CLOSE AS POSSIBLE TO THE TERMINALS. CABLES SHALL NOT PASS NEAR TO CABLES OR EQUIPMENT OPERATING ABOVE 24V.
13. INTERNAL AND EXTERNAL I/O SHALL BE LANDED ON TERMINAL STRIPS.
14. I/O IDENTIFIED ON CONTROL DIAGRAM SHEETS ARE FOR INPUTS & OUTPUTS EXTERNAL TO THE EQUIPMENT CONTROL PANEL. I/O NECESSARY FOR THE COMPLETE FUNCTIONALITY OF THE EQUIPMENT (INTERNAL I/O) SHALL BE PROVIDED BY THE EQUIPMENT MANUFACTURER. THE CONTRACTOR SHALL FURNISH & INSTALL CONDUIT AND WIRE REQUIRED FOR COMPLETE FUNCTIONALITY OF EQUIPMENT AS SPECIFIED AND AS IDENTIFIED BY THE MANUFACTURER. THE CONTRACTOR SHALL COORDINATE WITH EQUIPMENT MANUFACTURER TO DETERMINE FIELD WIRING REQUIREMENTS.

KEYED NOTES:

1. RUN CONDUIT UP ALONG WALL TO EAVE. PENETRATE WALL AND MAKE WEATHER TIGHT SEAL.
2. ADD 20A 1-POLE, 120V BREAKER IN PANEL L FOR COOLANT HEATER FEED. MATCH EXISTING BREAKERS. UPDATE PANEL SCHEDULE.
3. ADD 20A 1-POLE, 120V BREAKER IN PANEL L FOR LUBE OIL HEATER. MATCH EXISTING BREAKERS. UPDATE PANEL SCHEDULE.
4. ADD 20A 1-POLE, 120V BREAKER IN PANEL L FOR ANTI CONDENSATION HEATER. MATCH EXISTING BREAKERS. UPDATE PANEL SCHEDULE.
5. ADD 20A 1-POLE, 120V BREAKER IN PANEL L FOR BATTERY CHARGER. MATCH EXISTING BREAKERS. UPDATE PANEL SCHEDULE.

RICHARD W. WHITAKER LICENSED PROFESSIONAL ENGINEER 23147 06/19/2018 KANSAS PROFESSIONAL ENGINEER

No.	Revision	By	Date

PUMP STATION
37TH ST GENERATOR

ELECTRICAL SITE PLAN

MIKE JACOBS – SUPERINTENDENT OF PRODUCTION AND PUMPING
CITY OF WICHITA PROJECT NO. 448-90903

PEC
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Designed by RWW	Job No. 06030-006	Sht. E3.1
Drawn by JBG	Date June 2018	

Saved 06-19-2018 7:49:42 AM by RWW
Plot Scale 1:1 06-19-2018 8:01:34 AM by RWW
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