



34th Street Pump Station Improvements Project
SAWS Job No. 13-6004
Solicitation No. CO-00072-RA

ADDENDUM No. 7

October 21, 2016

This addendum, applicable to work designated above, is an amendment to the proposal and specification documents and as such shall be a part of and included in the Contract. Acknowledge receipt of this addendum by entering the addendum number and issue date on the space provided in submitted copies of the proposal.

1. Modifications to the Specifications

1.1. Section 17300

Add the following paragraph to 17300-4, 1.01.P.16.h.5):

5) One (1) OIT (OIT-CHEM). OIT-CHEM will be utilized to verify and demonstrate communication with PLC-34SPS during development and Witnessed Factory Testing periods.

Modify the second sentence of 17300-5, 1.01.P.19 to read as follows:

Provide a new RIO-CHEM enclosure to house racks, Ethernet switches, OIT-CHEM and miscellaneous equipment.

1.2. Section 17305

Modify the first sentence of 17305-1, 1.01.A to read as follows:

The Process Control System Integrator (PCSI) shall procure the services of an Application Service Provider (ASP), as a second-tier subcontractor (to the General Contractor), who shall furnish the Human Machine Interface (HMI) graphics development, Operator Interface Terminal (OIT) graphics development, HMI software configuration, database development, report development, Programmable Logic Controller (PLC) programming, testing of PLC logic, Radio configuration and startup/training activities associated with the configured portions of the HMI/OIT/PLC System and Radio System.

Add the following paragraph to 17305-3, 1.01.I.16:

Provide OIT-CHEM graphics and configuration, associated PLC programming, coordination, testing, and startup services as needed to integrate the new OIT-CHEM into the overall PLC Control System.

1.3. Section 17400

Modify paragraph 17400-1, 1.01.B to read:

The Application Services Programmer (ASP) will provide the Programmable Logic Controller (PLC) programming, Human Machine Interface (HMI) graphics development, HMI software configuration, database development, report development (as required), OIT graphics development and startup/training activities associated with the new equipment provided and with the existing SAWS Control Center.

1.4. Section 17327

Add the following section to specification 17327, 2.14:

2.14 OIT-CHEM

- A. Provide an Operations Interface Terminal (OIT-CHEM) located on the face of the RIO-CHEM enclosure.
- B. OIT-CHEM consists of graphical display screens with operator input capabilities.
- C. Capable of stand-alone operation in conjunction with PLC-34SPS.
- D. Equipped with data network Ethernet communication capabilities.
- E. Type: Color active-matrix TFT screen.
- F. Resolution: 1024 by 768 pixels.
- G. Size: Minimum of 15 inch.
- H. Operator Input: Configurable touch screen.
- I. Easily configured graphics by portable laptop computer both locally.
- J. Provide copy of manufacturers programming software
- K. Power Supply 120 VAC.
- L. MANUFACTURERS
 - 1. Rockwell Automation PanelView Plus 6
 - 2. Approved Equal.

2. Modifications to the Drawings

2.1. I-004

Modify Drawing to include a new OIT-CHEM that will be mounted on the RIO-CHEM Enclosure door. OIT-CHEM will be connected to ESW-CHEM via CAT6 Ethernet cable.

2.2. I-401

Modify Detail 3 and Detail 4 to include a new OIT-CHEM that will be mounted on the RIO-CHEM Enclosure door just above the Chlorine Residual Indicator.

ACKNOWLEDGEMENT BY BIDDER

Each respondent is requested to acknowledge receipt of this Addendum by his/her signature affixed hereto and to file same and attach with his/her proposal.

The undersigned acknowledges receipt of this Addendum and the proposal submitted herewith is in accordance with the information and stipulations set forth.

Date

Signature

Tetra Tech, Inc.
Texas Registered Engineering Firm F-3924
700 N. Saint Mary's Street, Ste. 300
San Antonio, TX 78205

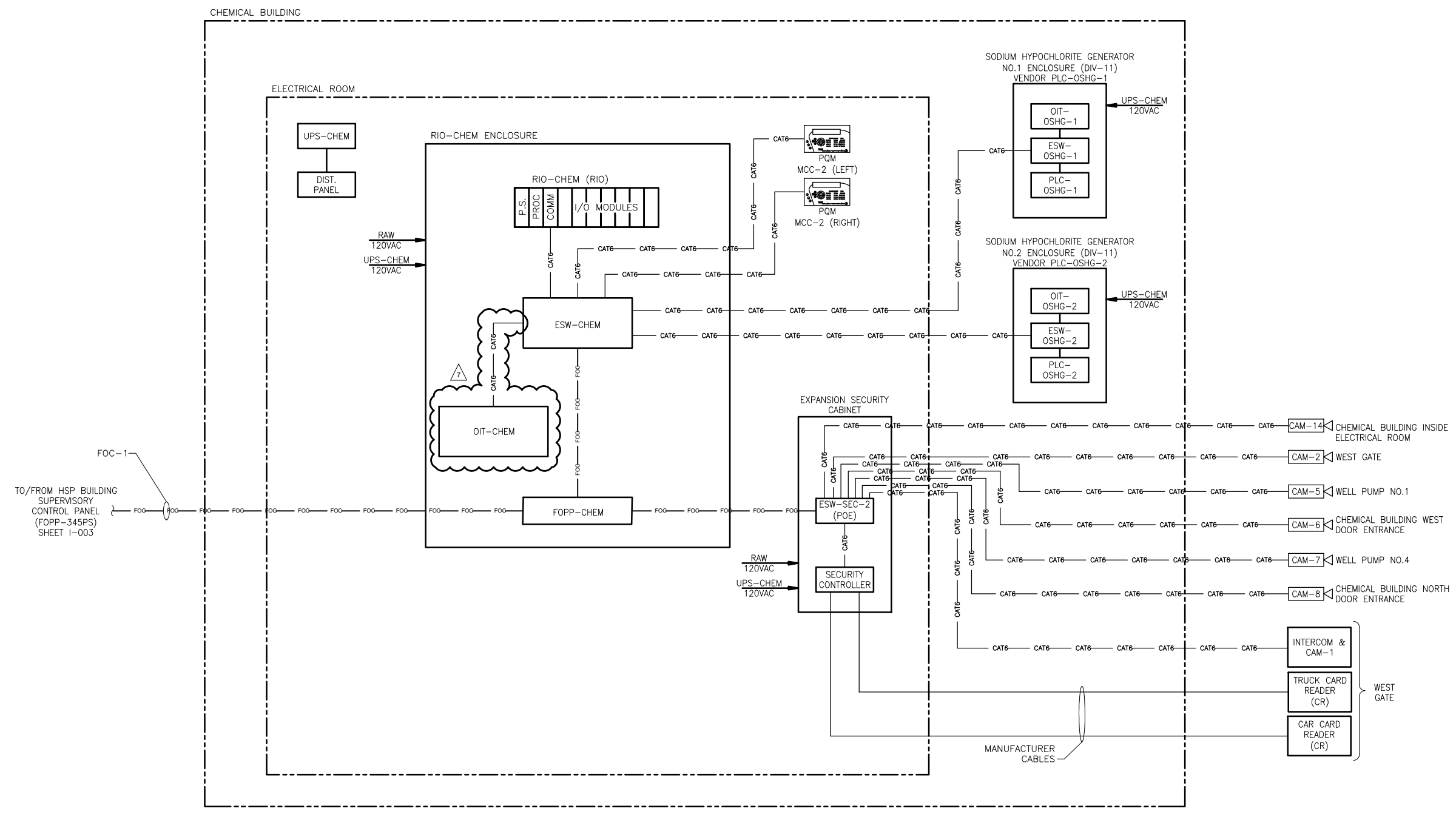


10/21/2016

END OF ADDENDUM

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10/21/2016 3:49:17 PM - Z:\1934_SAWS 34TH STREET PUMP STATION\CONSTRUCTION PHASE\ADDENDA\ADDENDUM NO.7\1934-I-004.DWG - MARK WALLER



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SAN ANTONIO WATER SYSTEM

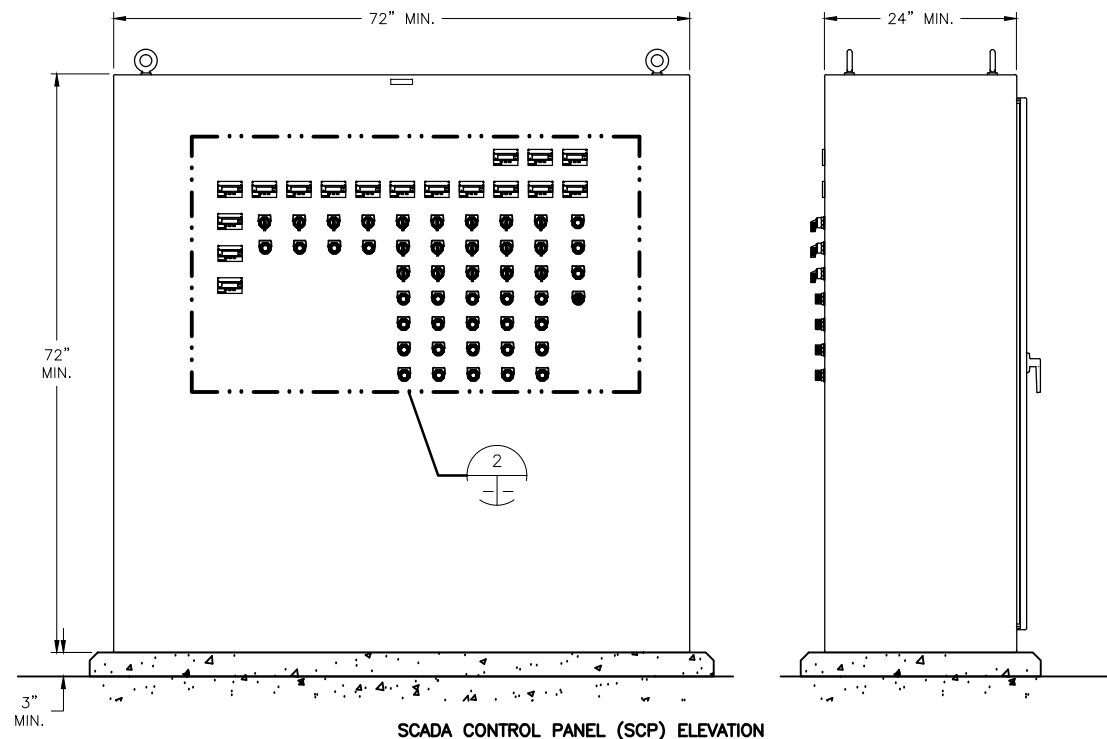
MARK	DATE	DESCRIPTION	BY
Δ	10/21/16	ADDENDUM NO.7	YKG

SAN ANTONIO WATER SYSTEM
34TH STREET PUMP STATION
IMPROVEMENTS PROJECT
**INSTRUMENTATION
SYSTEM ARCHITECTURE
DIAGRAM - II**

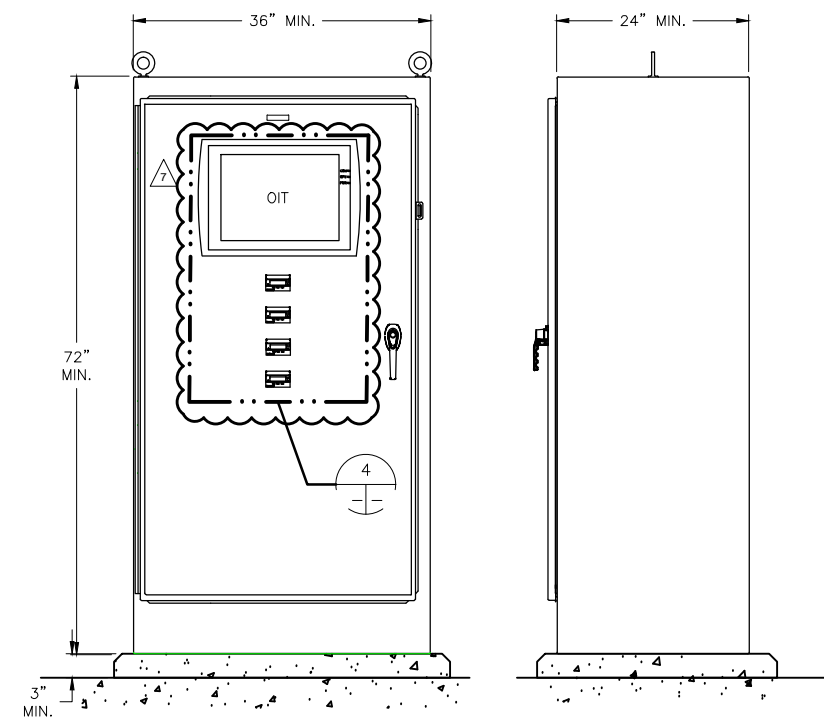
SAWS Job No.:	13-6004
Designed By:	LJR
Drawn By:	RV
Checked By:	GBL

I-004

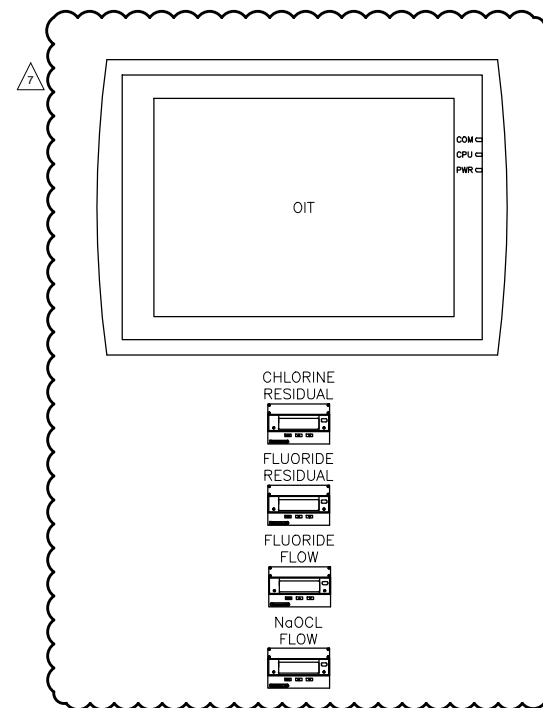
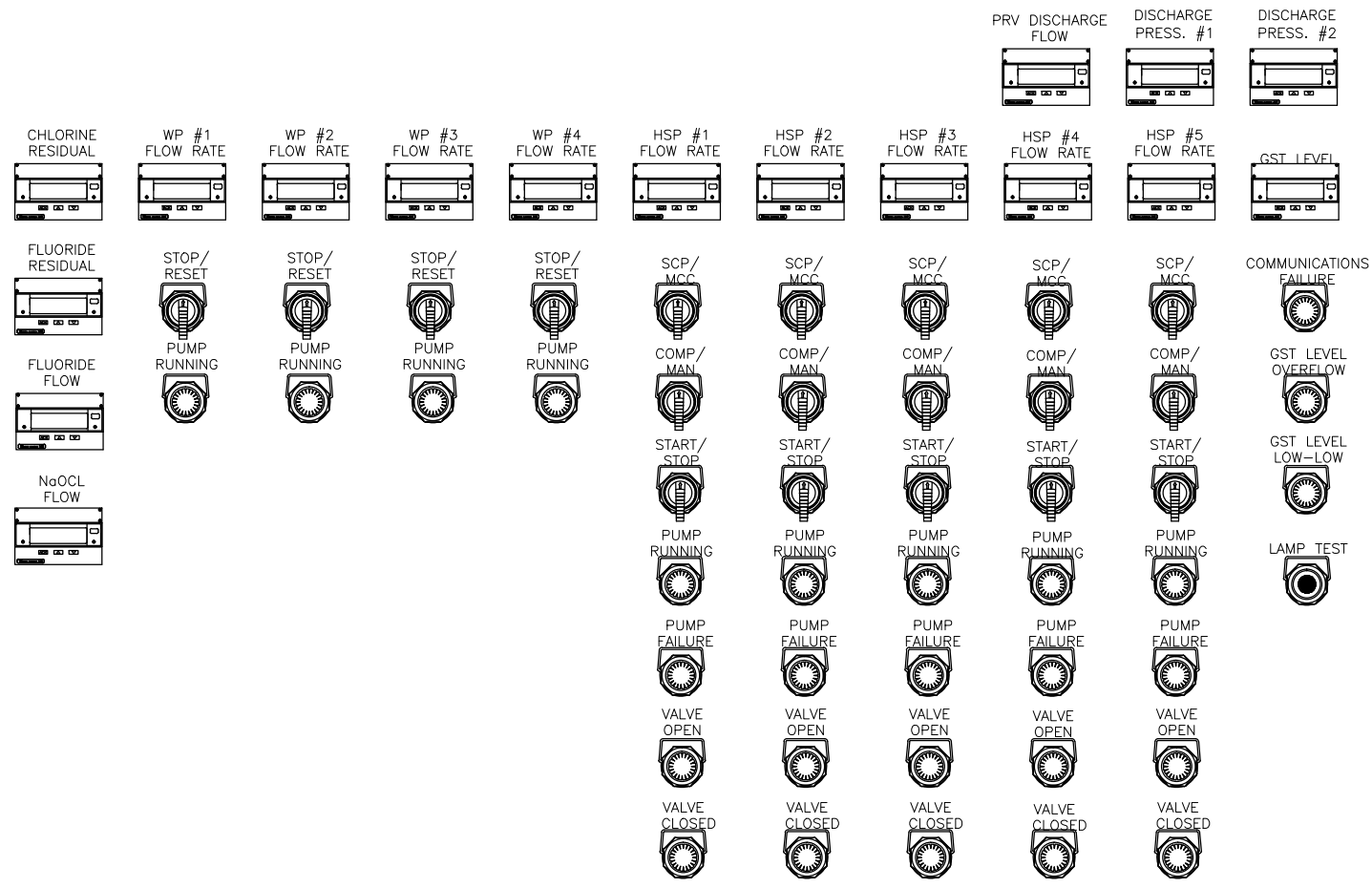
Copyright: Tetra Tech
Bar Measures 1 inch



SCADA CONTROL PANEL (SCP) ELEVATION

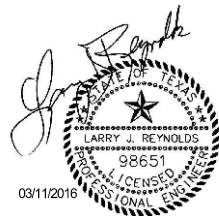


RIO-CHEM ENCLOSURE ELEVATION



GENERAL NOTES:

- ENCLOSURE DETAILS ARE PROVIDED FOR INITIAL DESIGN PURPOSES ONLY. CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL PANEL DESIGN WHICH SHALL COMPLY WITH ALL COMPONENT MANUFACTURER INSTALLATION RECOMMENDATIONS AND ALL APPLICABLE CODES AND REGULATIONS.



MARK	DATE	DESCRIPTION	BY
A	10/21/16	ADDENDUM NO.7	YKG

SAN ANTONIO WATER SYSTEM
34TH STREET PUMP STATION
IMPROVEMENTS PROJECT
INSTRUMENTATION
SUPERVISORY CONTROL
PANEL DETAIL

SAWS Job No.:	13-6004
Designed By:	LJR
Drawn By:	RV
Checked By:	GBL

I-401