

# Steven M. Clouse WRC

## Electrical System Improvements - Phase 2A

Edward Hayes, PE

Project Engineer, SAWS

Roxanne L. Lockhart

Contract Administrator, SAWS

Diana L. Woltersdorf

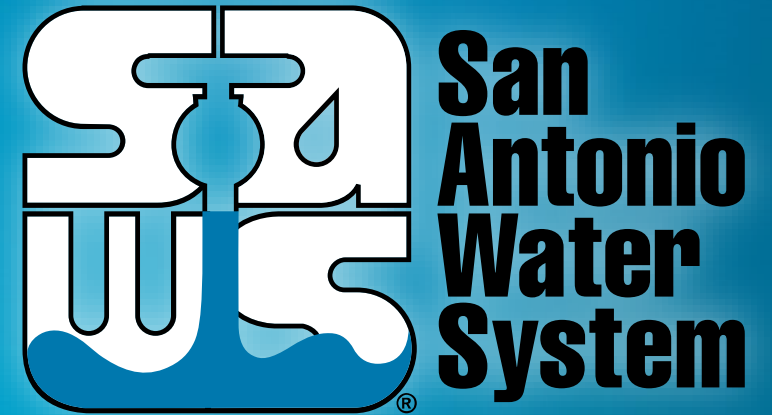
Contract Administration - Manager, SAWS

Marisol V. Robles

SMWVB Program Manager, SAWS

William D. Sako, PE

Project Engineer of Record, Gupta & Associates, Inc.



Non-Mandatory Pre-Proposal Meeting  
August 4, 2021 at 1:30 PM

MAKING SAN ANTONIO  
**WATERFUL**

# Meeting Agenda

- Non-Mandatory Pre-Proposal Meeting
- Non-Mandatory Site Visit
- SMWB
- Contract Requirements
- Evaluation Process
- Required Experience
- Evaluation Criteria
- Additional Reminders
- Proposal Packet Preparation
- Submission Due Date
- Key Dates
- Communication Reminders
- Project Overview
- Contract Background
  - Special Provisions
  - Special Specifications
  - Supplemental Conditions
  - Special Conditions
- Additional Special Considerations
- Questions

# Oral Statements

Oral statements or discussion during the pre-proposal meeting will not be binding, nor will it change or affect the terms or conditions within the Plans and Specifications for this Project. Changes, if any, will be addressed only via an Addendum.

# Non-Mandatory Pre-Proposal Meeting

- Attendees should sign-in via chat on WebEx and sign-in sheet will be posted on SAWS website
- Questions should be asked via chat and will be addressed at the end of the meeting
- Key project information:
  - Construction duration - 720 calendar days
  - Construction estimate - \$19.6M
  - Procured under Chapter 2269 of Texas Government Code as a Request for Competitive Sealed Proposals (RFCSP)
  - This project is funded by the Texas Water Development Board (TWDB)

# Non-Mandatory Site Visit

- August 10 and 12, 2021 between 8:00 a.m. and 12:00 p.m.
  - By Appointment only
  - Site visit duration – 1 Hour
  - No Q&A during site visit
  - COVID-19 protocols enforced (mask, temperature check, distancing)
  - Visitors to wear proper PPE
  - Coordinate site visits in advance with Roxanne Lockhart via email
  - Sign up for site visit no later than August 5, 2021 at 2:00 p.m.
- Purpose is to allow Contractors to visit project areas in person:
    - Odor Control Unit Building Area
    - Headworks Area
    - Primary Clarifiers
    - Thickening Area
    - O&M Building Area
    - Administration Building Area
    - Other areas upon request

# Aspirational SMWB Goal

Industry	Aspirational SMWB Goal
Construction	20%

The aspirational SMWB goal is 20% of your total bid price.

# Accepted SMWB Certification Agency

- **South Central Texas Regional Certification Agency**

(Includes the Texas Historically Underutilized Business “HUB” Program)

## Minimum Qualifications for SMWVB recognition:

- SBE-Certified (even MBEs and WBEs)
- **Local office or local equipment yard**

# Scoring - SIR-10 & SIR-11 (Maximum 10 SMWB Points)

<p>A. M/WBE Scoring Method: Up to 10 Points (By percentage). <b>20.00%</b>  <b>M/WBE Goal:</b></p>
<ul style="list-style-type: none"> <li>• MBE Participation Percentage between 1% and 4.99%: 1 Point</li> </ul>
<ul style="list-style-type: none"> <li>• MBE Participation Percentage between 5% and 9.99%: 2 Points</li> </ul>
<ul style="list-style-type: none"> <li>• MBE Participation Percentage between 10% and 14.99%: 4 Points</li> </ul>
<ul style="list-style-type: none"> <li>• MBE Participation Percentage between 15% and 16.99%: 5 Points</li> </ul>
<ul style="list-style-type: none"> <li>• MBE Participation Percentage between 17% and 19.99%: 8 Points</li> </ul>
<ul style="list-style-type: none"> <li>• MBE Participation Percentage meeting or exceeding 20.00%: 10 Points</li> </ul>
<p>B. SBE (Non-M/WBE) Scoring Method (for participation of firms whose sole certification is "SBE"): Up to 5 Points (By percentage). <b>5% SBE Participation:</b></p>
<ul style="list-style-type: none"> <li>• SBE Participation Percentage between 1% and 1.99%: 1 Point</li> </ul>
<ul style="list-style-type: none"> <li>• SBE Participation Percentage between 2% and 2.99%: 2 Points</li> </ul>
<ul style="list-style-type: none"> <li>• SBE Participation Percentage between 3% and 3.99%: 3 Points</li> </ul>
<ul style="list-style-type: none"> <li>• SBE Participation Percentage between 4% and 4.99%: 4 Points</li> </ul>
<ul style="list-style-type: none"> <li>• SBE Participation Percentage meeting or exceeding 5.00%: 5 Points</li> </ul>



# Scoring - SIR-11

**C. Optional:** Prior subcontractors/supplier utilization compliance averages for the past 2 years may be considered when totaling the SMWB score, based upon data from the Subcontractor Payment & Utilization Reporting (SPUR) System. This applies to SMWB and Non-SMWB Prime Contractors' utilization of their SMWB subcontractors/suppliers. Up to 3 points may be deducted from the SMWB score for discrepancies between the pledged SMWB goal, and the current/ongoing actual utilization of SMWB subcontractors/suppliers on recent SAWS projects. This option does not apply to work order/unspecified contracts.

- Total SMWB Subconsultant compliance discrepancy between 3% - 4%:  
Deduct 1 Point

- Total SMWB Subconsultant compliance discrepancy between 4% - 5%:  
Deduct 2 Points

- Total SMWB Subconsultant compliance discrepancy greater than 5%:  
Deduct 3 Points

# Good Faith Effort Plan (GFEP) FAQs

- **Q: Is the 20% SMWB goal mandatory?**

A: No, it's aspirational, but we ask prime contractors to do their best with good faith outreach efforts. If the goal is not met, proof of outreach efforts is required with the submittal.

- **Q: What if I am having trouble finding SMWB subcontractors?**

A: Please email the SMWVB Program Manager with the scopes of work you are seeking. You will receive lists of local SMWVB-certified firms to contact.

- **Q: What if my business is SMWB-certified? Do I need to find SMWB subs?**

A: If your firm is SMWVB-certified, you will most likely meet the goal. However, the GFEP is a required document, and a good faith outreach effort is still necessary.

- **Q: Do I need to include all my subcontractors in the GFEP or just those that qualify towards the SMWB aspirational goal?**

A: All subcontractors need to be included in the GFEP, even those that may not count towards the SMWVB goal.

- **Q: What if I have questions about the GFEP?**

A: Please contact the SMWVB Program Manager at 210-233-3420, or at [Marisol.Robles@saws.org](mailto:Marisol.Robles@saws.org). GFEP questions can be asked at any time before the submittal is due.

# Post Award: Subcontractor Payment & Utilization Reporting (S.P.U.R.) System

1. Subcontractor & Supplier Payment Tracking
2. Subcontractor and Supplier Additions or Substitutions
3. LCP Tracker
4. Must be Current and Accurate before Retainage is released

<https://saws.smwbe.com>



San Antonio Water System

OUR MAIN SITE CONTACT SUPPORT

## Subcontractor Payment & Utilization Reporting System

Log In

**System Training**  
Learn how to fully utilize our system with a live trainer  
Training

**About the System**  
Learn more about this system and how it works today  
Information for Vendors

**Account Access**  
Lookup Vendor accounts or reset user passwords  
Account Lookup  
Forgot Password

The Subcontractor Payment & Utilization Reporting System is powered by B2Gnow Software © Copyright 2018.

Steven M. Clouse WRC Electrical System Improvements - Phase 2A

# Contract Requirements

- Prevailing Wage Rate and Labor Standards – Section 2.10 of the General Conditions
  - Certified payroll to be submitted on weekly basis
  - Wage decisions are included within the specifications
  - Contractors to utilize LCP Tracker
  - Site visits are random and unannounced by SAWS and TWDB
  - Interviews will be conducted and will be private & confidential
  - Payroll records are subject to review
  - All apprenticeship programs will need to be approved by Department of Labor prior to starting
  - Contractors are responsible for sub-contractor payroll
  - Late payrolls delay contractor payments from SAWS

# Contract Requirements *(cont.)*

- Insurance requirements found in Section 5.7 of the General Conditions and includes Installation Floater in lieu of Builder's Risk
  - Selected contractor must be compliant with all other contracts in order for SAWS to award the contract
  - SAWS will request insurance certificate prior to Board award to ensure insurance compliance and expedite execution of the contract.
  - Insurance must be compliant prior to executing the contract
- Selected contractor must use CPMS for invoicing

# Contract Requirements *(cont.)*

## TWDB Project

- This project will receive funds from the TWDB, which is a low cost loan to SAWS and has no bearing on monthly payments to the selected contractor
- TWDB must provide approval to SAWS to issue the NTP and to Release Retainage
- Review all of the TWDB Supplemental Conditions with specific requirements prior to submitting a proposal
- Review SAWS Special Conditions, including TWDB

# Contract Requirements *(cont.)*

## TWDB Project

- American Iron Steel Requirements apply to this project
  - Construction materials made of iron or steel made in the U.S.
    - Review the materials identified on the bid proposal prior to submitting
  - De minimus logs required
  - Materials certification required
  - Monthly Compliance Reports
  - TWDB Inspections (random and unannounced)
- Review the AIS Guidance Manual (TWDB-XXXX)

# Evaluation Process

- Technical Evaluation Committee (TEC) will score the proposals based on the evaluation criteria published in the Supplementary Instructions to Respondents to determine the Respondent who can provide the best value to SAWS
- Price will be calculated (lowest price receives the highest points) and added to final scores
- SMWVB will be added to final scores
- Selection Evaluation Committee reviews final scores
- Negotiations, if any
- Board award



# Required Experience

Respondents submitting a proposal should clearly demonstrate, completely and sufficiently, that constructing electrical power system improvements for large existing water and/or wastewater treatment facilities, rehabilitating, and upgrading electrical and instrumentation and control systems for water and/or wastewater treatment plants is a primary business focus and service, and such services have been successfully provided for at least five (5) continuous years

\*See page SIR-2 of the SIR for full details

# Evaluation Criteria

Criteria	Percentages
Team Qualifications and Experience	20%
Quality, Reputation, and Ability to Deliver Projects on Schedule and within Budget	20%
Project Approach, Schedule, and Availability	15%
Price	35%
Small, Minority, and Women-owned Business Participation	10%
<b>Total</b>	<b>100%</b>

# Evaluation Criteria

## Team Qualifications and Experience

- Organizational Structure and Key Information for Prime Contractor
  - Company information (structure, debarment history, # of employees, years of construction work, etc.)
  - Financial statements within the last 3 years by independent CPA
- Proposed Team Structure and Key Personnel Roles and Responsibilities
  - 1-page Organizational Chart with Key Personnel with percentage of availability, clear description of roles and responsibilities (Prime and Key Subs)
  - Team history or approach if no prior experience to ensure successful completion of project

\* Refer to SIR for full detail of Evaluation Criteria requirements

# Evaluation Criteria

## Team Qualifications and Experience *(cont.)*

- Qualifications and Experience of Key Personnel Proposed for Project
  - Resumes of Key Personnel on 8 ½ x 11” one per person, not to exceed one (1) page as identified on the Org Chart
    - Professional experience, education, role, descriptions of capabilities, etc.
    - List of all other active projects team member assigned, percentage, date of completion of work
  - ✓ Key Personnel include Project Manager, Project Superintendent, Project Scheduler, QA/QC Manager, Safety Coordinator, PCSI Project Manager, PCSI Superintendent
  - ✓ Key Subcontractor roles include process control systems integrator and site civil services

# Evaluation Criteria

## Quality, Reputation and Ability to Deliver Projects on Schedule and within Budget

- Prime Contractor On-Time Completion on Similar Projects in the past 15 years
  - List and describe four (4) completed projects of similar size, scope, and complexity within the last 15 years with all required information
  - Proposed Key Personnel must have participated in a minimum of 3 of the 4 projects listed
  - If SAWS experience, one project of similar size, scope, and complexity must be included
  - The Respondent shall provide information for all current and recently completed electrical and power system improvement, upgrades, and new construction projects for large water and/or wastewater treatment facilities performed in the last five (5) years for all Utility Owners in Texas
- Proposed PM must have participated in a min. of two (2) of the four (4) projects listed
- Proposed Prjct SuperInt. must have participated in a min. of one (1) of the (4) projects listed
- Proposed QC Mgr must have participated in a min. of one (1) of the four (4) projects listed
- Respondent shall provide list of all projects currently under construction in which Key Personnel are involved, as identified in org chart provided and response for this RFCSP, and the expected completion date that demonstrates Respondent's ability to start and complete the work required by the project

\* Refer to SIR for full detail of Evaluation Criteria requirements

# Evaluation Criteria

## Quality, Reputation and Ability to Deliver Projects on Schedule and within Budget

- Key Subcontractor(s) Performance on Similar Projects in the Last 10 years
  - Provide list of 3 projects that Key Process Control System Integrator (PCSI) Subcontractors Project Manager and/or Superintendent participated in of similar size, scope, and complexity w/in the last 10 years
  - Provide list of 2 projects that Key Site Civil Subcontractors Project Manager and/or Superintendent participated in of similar size, scope, and complexity w/in the last 10 yrs
  - If Prime plans to self-perform and has no Key Subcontractors, provide a list of 5 additional projects within the last 10 years with similar scope to Work in this RFCSP
    - Key Personnel shall have participated in at least 3 of the 5 projects
    - Describe role served by proposed staff

\* Refer to SIR for full detail of Evaluation Criteria requirements

# Evaluation Criteria

## Project Approach including Delivery Schedule (15 points)

- Project Approach
  - Narrative of Project Approach to complete project, including key milestones, critical path items, phases and/or sequencing, permits, approvals, coordination with stakeholders, etc.
  - Approach to procurement of 13.2 kV med voltage pad mounted transformers, 480V motor control centers, switchboards, diesel generator and other long lead items.
  - Provide innovative ideas for cost savings (due to method or duration)
  - Quality Management Plan including subcontractor oversight, QC processes, document control, etc.
- Project Schedule, procurement of long-lead items, unforeseen conditions
  - Critical path method (CPM) schedule Primavera or Microsoft project - Assume NTP of November 19, 2021
  - How Respondent with complete project with existing commitments
  - Identify long lead items and critical path shop drawing submittals
  - Details for procurement of key items (described above)
  - List and describe prior instances of unforeseen conditions with recovery plan and nature of issue and resolution
  - Approach for mitigating and managing unforeseen conditions on this project

\* Refer to SIR for full detail of Evaluation Criteria requirements

# Evaluation Criteria

## Safety Information for Prime Contractor and Key Subcontractor(s)

- Records showing Total Recordable Incident Rate (TRIR) past 5 years Prime Contractor and Key Subcontractor(s)
- Provide records showing the company's Experience Modification Rate (EMR) past 3 years Prime Contractor and Key Subcontractor(s)
- List fatalities in company's safety history for Prime Contractor and Key Subcontractor(s)



# Evaluation Criteria

## Price

- Lowest total price will receive 35 points
- Remaining proposals will receive points based on comparison to the lowest price proposal

## Small Minority, Women, and Veteran-owned Businesses

- As indicated on the Good Faith Effort Plan

\* Refer to SIR for full detail of Evaluation Criteria requirements

# Additional Reminders

- Register with Vendor Registration Program on the SAWS website at [www.saws.org](http://www.saws.org) to ensure access to the latest information
- To receive updates on specific projects, registered vendors should subscribe to the project by selecting the project and clicking ‘Subscribe’ under the Notify Me box



Notify Me

Receive updates sent straight to your inbox.



# Proposal Packet Preparation

- Review Instructions to Respondents and Supplementary Instructions to Respondents
- Utilize the Proposal Response Checklist
  - 3 files required for electronic submittal
  - Follow naming convention
  - Include TWDB forms
- Thoroughly review scope and ensure project examples and key personnel resumes clearly show similar experience to this RFCSP
- Thoroughly review evaluation criteria and respond with all required information to maximize points
  - Using the Evaluation Criteria forms (found in Word on SAWWS website)
- Avoid “boilerplate” responses where narrative is required

# Proposal Packet Preparation

Steven M. Clouse WRC Electrical System Improvements – Phase 2A

SAWS Job No. 21-6507  
Solicitation No. CO-00443

## **EVALUATION CRITERIA FORM**

*The intent of this document is to provide Respondents a structure for their responses. While there are page limits for this solicitation, there are no character limitations.*

*Respondents should provide answers to the questions below in the order and spaces provided to ensure continuity between Respondents' submissions.*

*When responding to the questions below, Respondents should use the space provided in this form, unless otherwise indicated. Stating "See Attached" or "See Following Pages" are not acceptable responses. If the Response Forms provided here are not utilized, the information provided by the Respondent will not be considered and the Respondent's score for the evaluation criteria in question may be reduced and/or Respondent's proposal may be deemed non-responsive.*

*If all fields are not completed, the proposal may be deemed non-responsive.*

### **1. Team Qualifications and Experience (20 Points)**

#### **a. Organizational Structure and Information of the Prime Contractor**

- i. Provide current business organizational structure, type of business structure, and stability of organization.  
(Provide answer here)
- ii. Provide total number of employees and annual company revenues as of December 31, 2019.  
(Provide answer here)

EV-1

# Proposal Packet Preparation *(cont.)*

- Verify contact information for all project references
  - If SAWS is unable to contact reference, points may be deducted or proposal deemed non-responsive
- Ensure required documents are submitted and signed, (i.e., Respondent Questionnaire, CIQ, etc.)
- Entire proposal should create a clear picture of Project Team experience and capabilities (Org chart, projects, and resumes for Key Personnel and Key Subcontractors)
- Price Proposal
  - Verify extensions and mobilization percentages
- Acknowledge Addendums on Proposal Signature Page

# Submission Due Date

- FTP Access deadline is 2:00 PM CDT September 1, 2021
- Proposals due no later than **2:00 PM CDT September 2, 2021**
- Follow specific submittal instructions:
  - Submit electronic proposals only, via secure SAWS FTP site
  - Late responses will not be accepted
- SAWS continues to monitor and adhere to the current COVID-19 guidelines and may modify the proposal submission instructions
  - If so, this would be provided via Addendum no later than August 25

# Key Dates

- August 10 & 12, 2021 **Non-Mandatory Site Visits (By appt. only)**
- August 16, 2021 by 4:00 PM **Questions Due**
- August 25, 2021 by 10:00 AM **Addendum Posted to SAWS Website**
- Sept 1, 2021 by 2:00 PM **Deadline to request FTP Site Access**
- Sept 2, 2021 by 2:00 PM **Proposals Due**
- September 2021 **Proposals Evaluated**
- October 2021 **Selected Contractor Notified**
- November 2, 2021 **SAWS Board Approval and Award**
- November 19, 2021 **NTP Issued (TWDB approval required)**

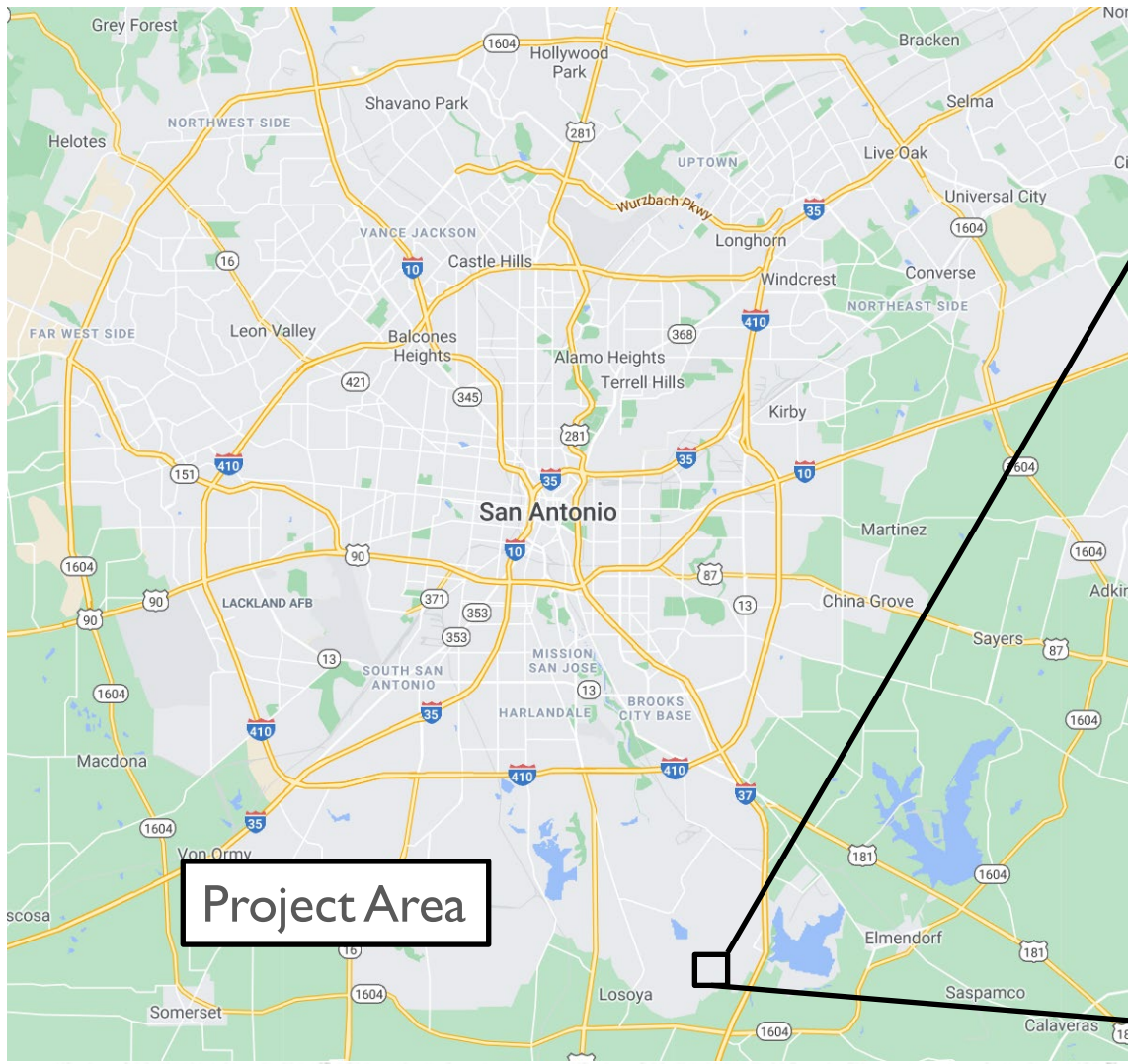
\*All dates subject to change

# Communication Reminders

- There shall not be any communication with the following during the Proposal period:
  - ✓ Design Engineer (Gupta & Associates)
  - ✓ SAWS Project Manager or Project Engineer
  - ✓ Any other SAWS staff
  - ✓ City Council member or staff
  - ✓ SAWS Board of Trustees
- This includes phone calls, emails, letters, or any direct or indirect discussion of the Proposal



# Project Overview - Map



Steven M. Clouse WRC  
3495 Valley Rd.  
San Antonio, TX 78221

# Project Overview

## Scope

- Replace 480 V MCCs
- New medium voltage feeders and transformers
- Replace Emerson controllers and RIOs with PLC equipment
- New fiber network infrastructure
  - Server equipment
  - Operator Workstations
  - Network switches, patch panels, and other equipment
- All new equipment installed in new climate-controlled buildings

# Project Overview

## Drawing Arrangement

- 00xxx Series: Overall
  - Symbols, Legends, Notes, Schedules
  - Site Plans
  - 13.2 kV System One-Line Diagrams
  - 13.2 kV System and Fiber Plan Drawings & Sections
  - Standard Details
  - Overall Fiber Architecture and Riser Diagrams
  - Existing Buildings
    - Switchgear building
    - Generators
    - Buildings 2, 3, 6, 9, 16, 17, Dewatering, Chlorine
    - Leon Creek WRC and Medio Creek WRC

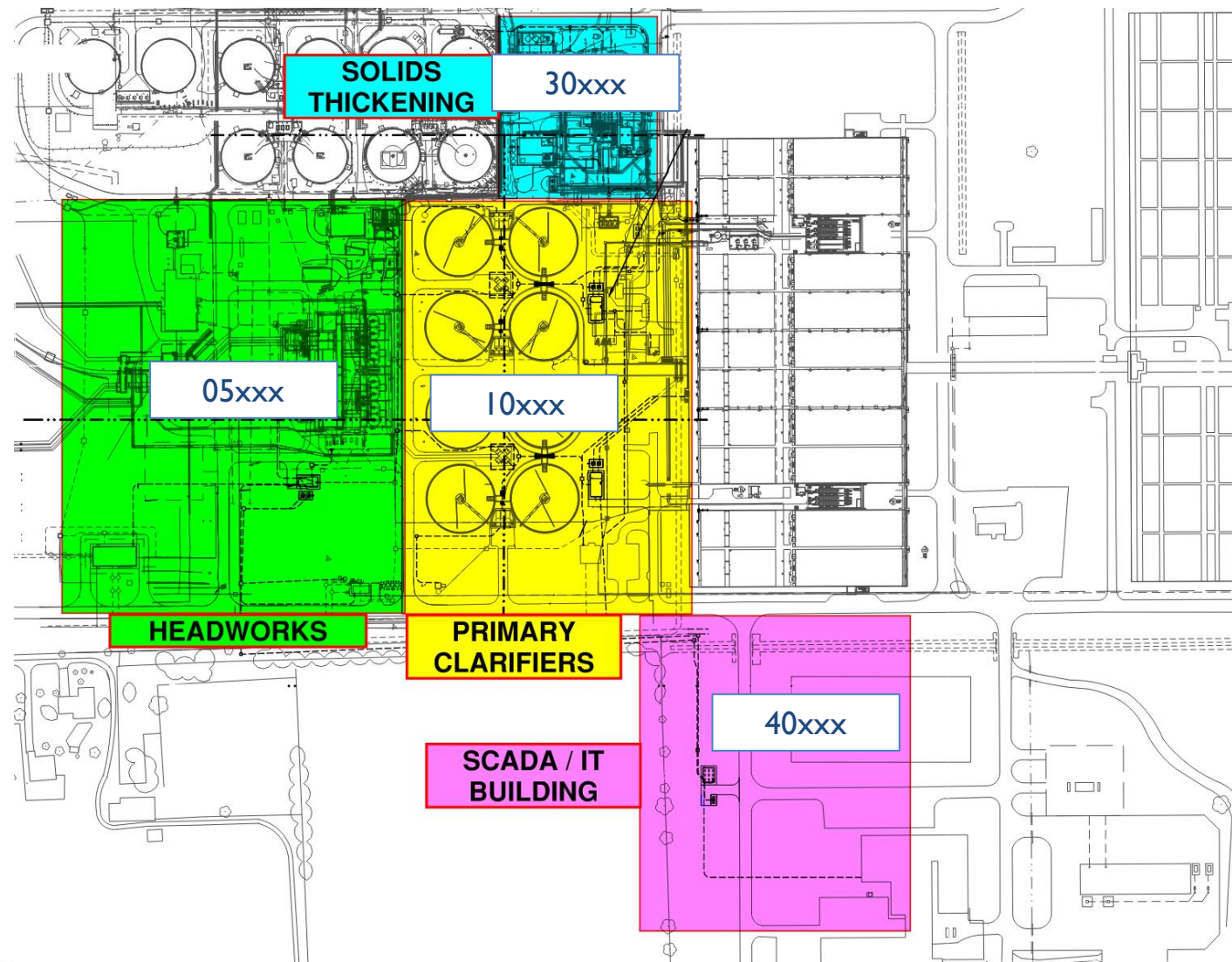
# Project Overview

## Drawing Arrangement

- 05xxx Series: Headworks
- 10xxx Series: Primary Clarifiers
- 30xxx Series: Solids Handling / Centrifuges
- 40xxx Series: SCADA / IT Building

# Project Overview

## Drawing Arrangement



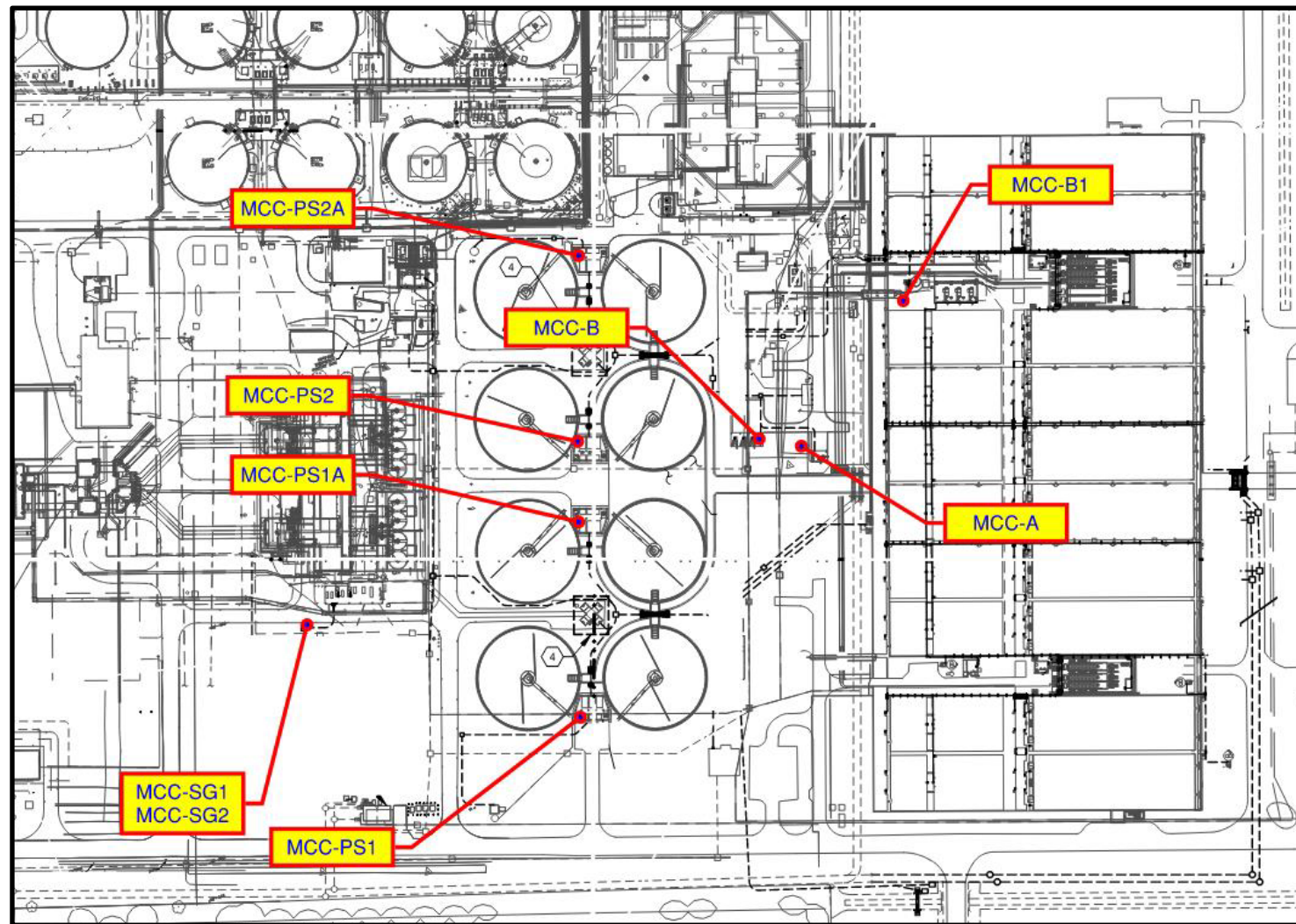
# Project Overview

## MCCs

- Replace 480 V MCCs
  - Headworks (MCC-SG1, MCC-SG2)
  - Primary Clarifiers (MCC-PS1, MCC-PS1A, MCC-PS2, MCC-PS2A)
  - Clarifier Effluent Channel (MCC-A, MCC-B\*)
    - MCC-B\* to remain in place, with one feeder to MCC-B1
    - Other MCC-B feeders to be removed
    - Loads to be fed from new MCC at new electrical building

# Project Overview

## Replace 480V MCCs



# Project Overview

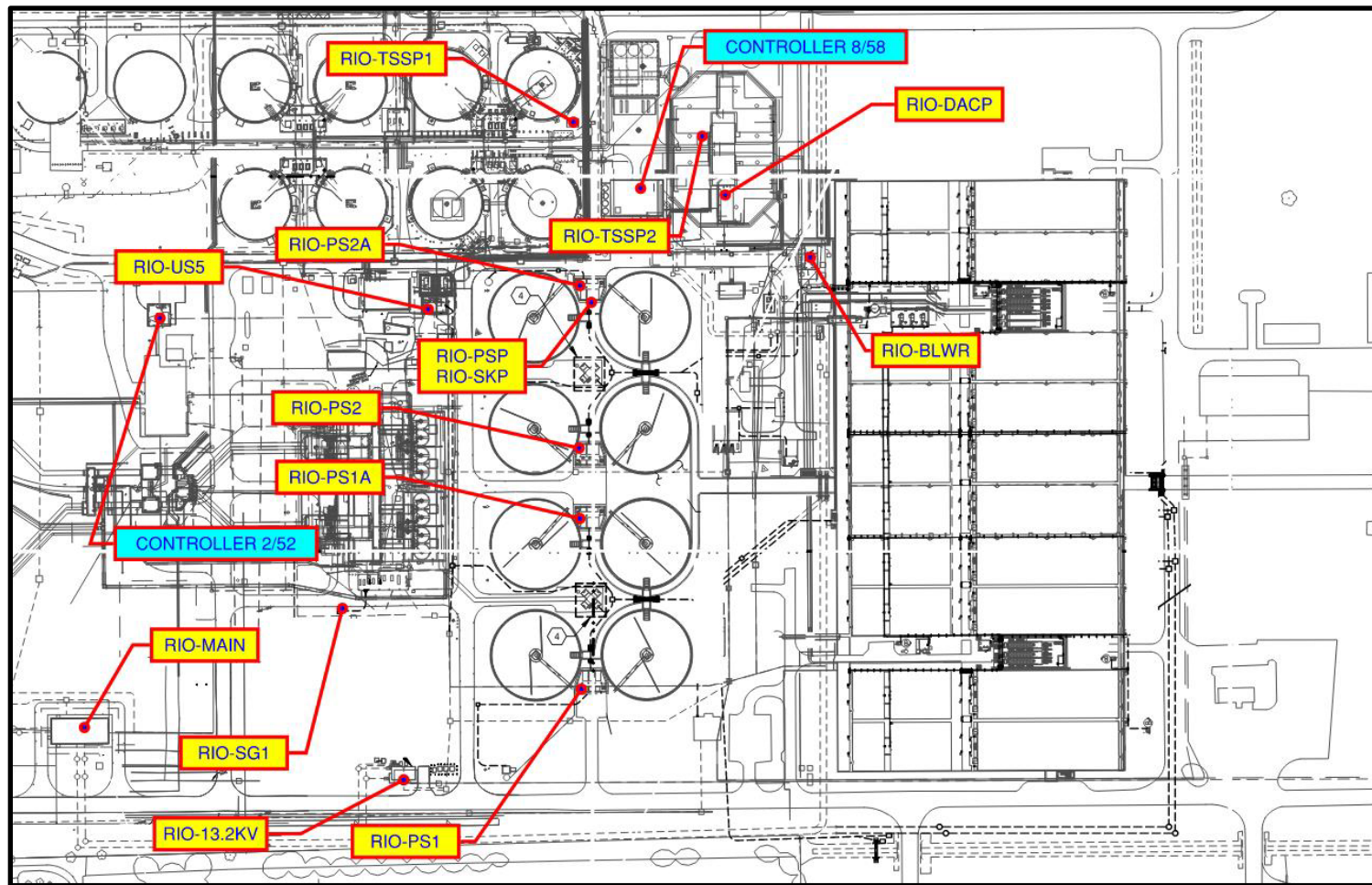
## Control System

- Replace Emerson Controllers and RIOs with PLC equipment
  - Controllers 2/52, 8/58
  - RIOs
    - Headworks RIO-SG I, RIO-MAIN, RIO-13.2KV, RIO-US5
    - Primary Clarifiers RIO-PSI, RIO-PSIA, RIO-PS2, RIO-PS2A, RIO-PSP, RIO-SKP
    - Thickening Area RIO-BLWR, RIO-TSPPI, RIO-TSPP2, RIO-DACP



# Project Overview

## Replace Emerson Controllers and RIOs with PLC equipment



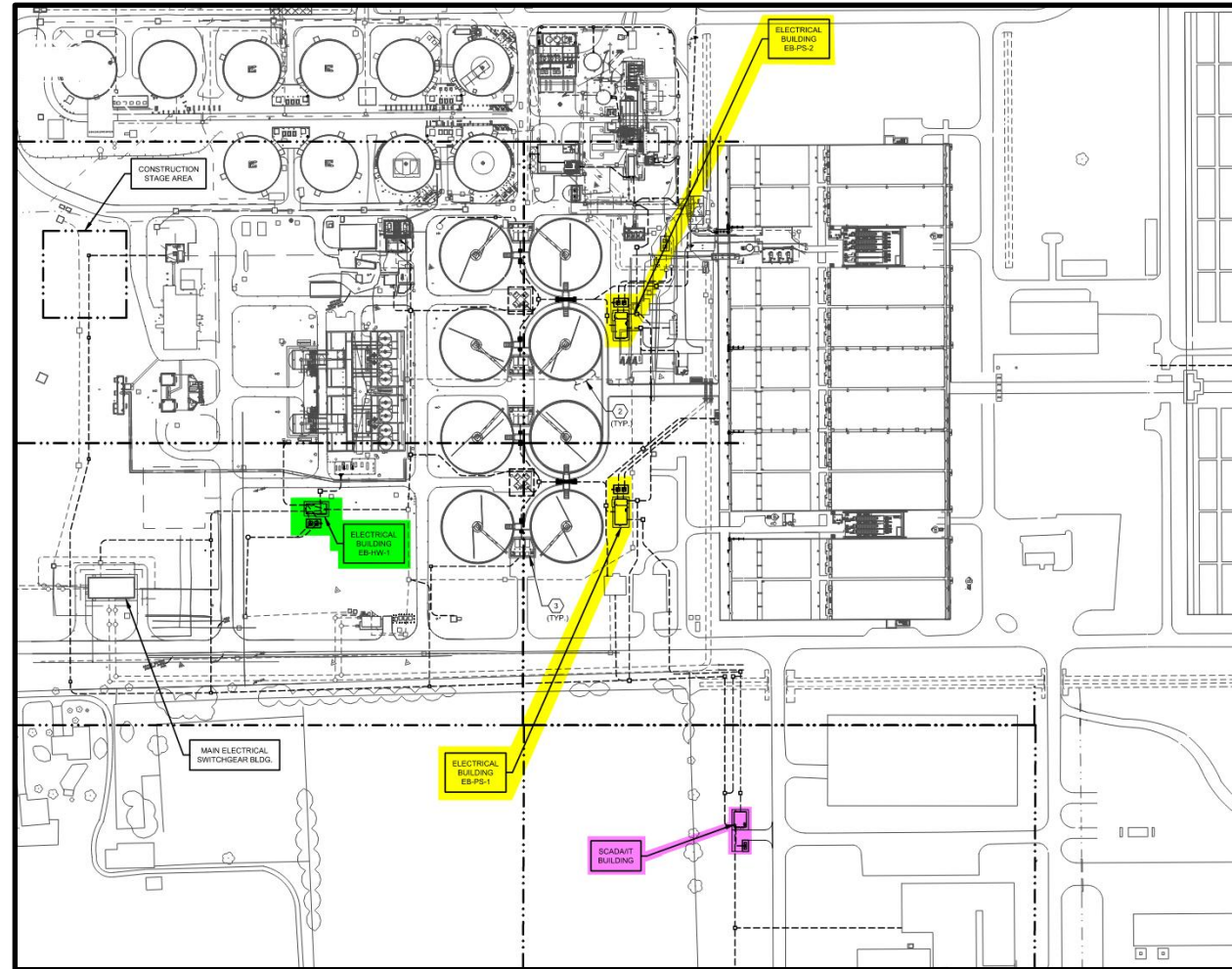
# Project Overview

All new equipment to be installed in new climate-controlled buildings

- Headworks
  - EB-HWI
- Primary Clarifiers
  - EB-PS1
  - EB-PS2
- Administration
  - SCADA / IT Building

# Project Overview

All new equipment installed in new climate-controlled buildings



Steven M. Clouse WRC Electrical System Improvements - Phase 2A

# Project Overview

Headworks, MCC-SG1, MCC-SG2  
Area 05

Headworks

Headworks  
Blowers

MCC-SG1  
MCC-SG2



# Project Overview

## MCC-SG1, MCC-SG2, RIO-SG1



# Project Overview

## MCC-SG1, MCC-SG2



# Project Overview

Primary Clarifiers

Area 10

RIO-PSP  
RIO-SKP

MCC-PS2  
RIO-PS2

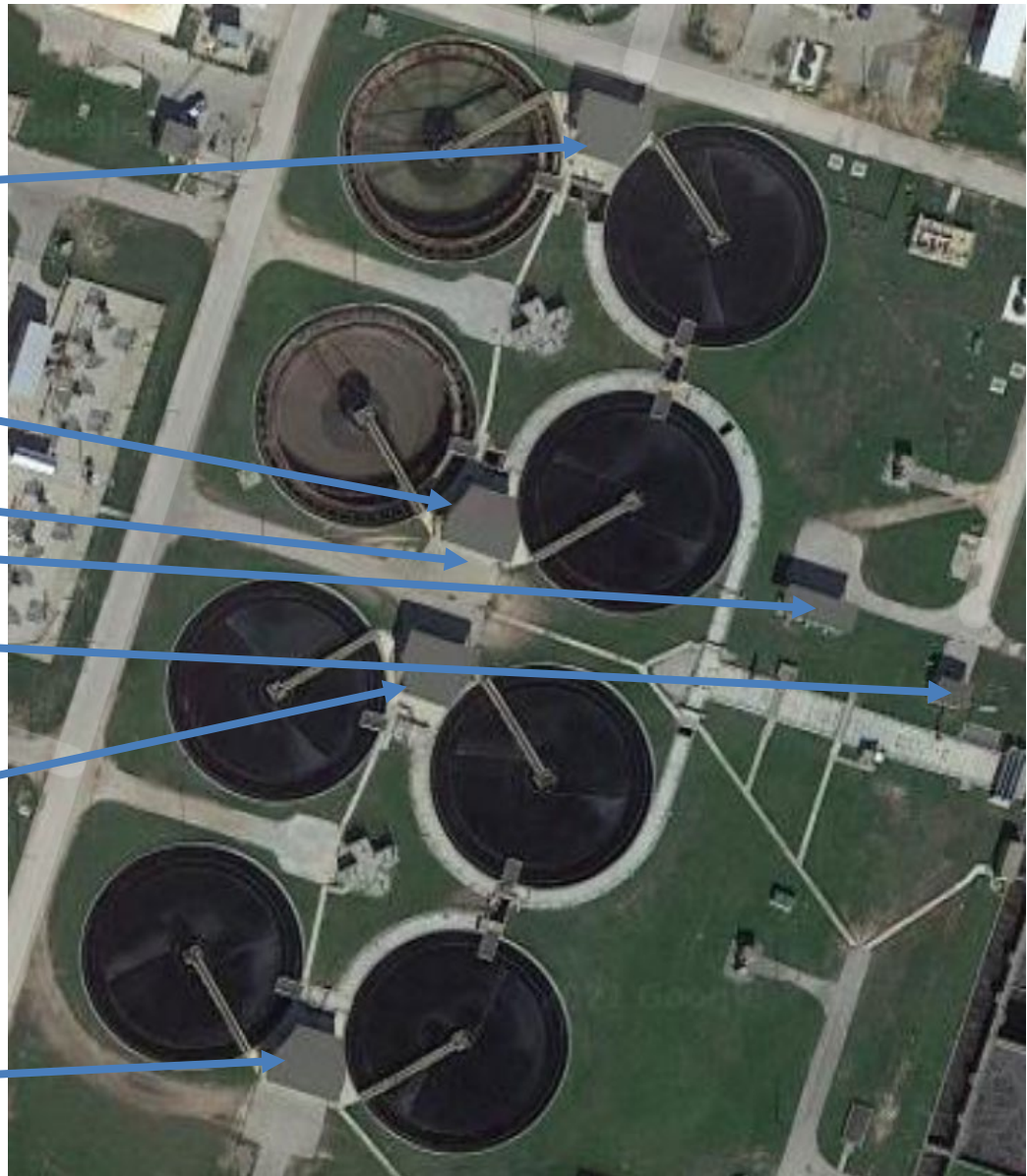
MCC-PS2A  
RIO-PS2A

MCC-B

MCC-A

MCC-PS1  
RIO-PS1

MCC-PS1A  
RIO-PS1A



# Project Overview

## MCC-PSI, RIO-PSI





# Project Overview

## MCC-PSIA, RIO-PSIA



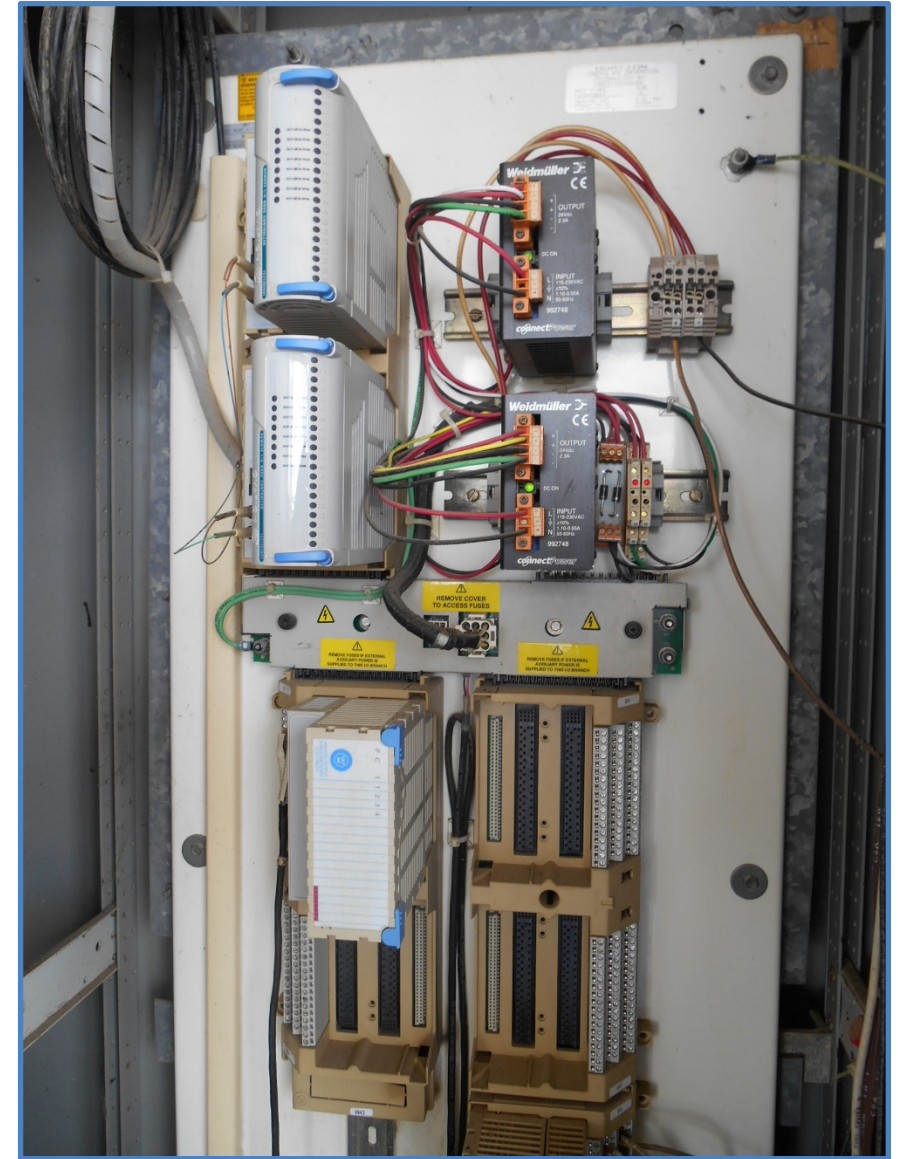
# Project Overview

## MCC-PS2, RIO-PS2



# Project Overview

## MCC-PS2A, RIO-PS2A



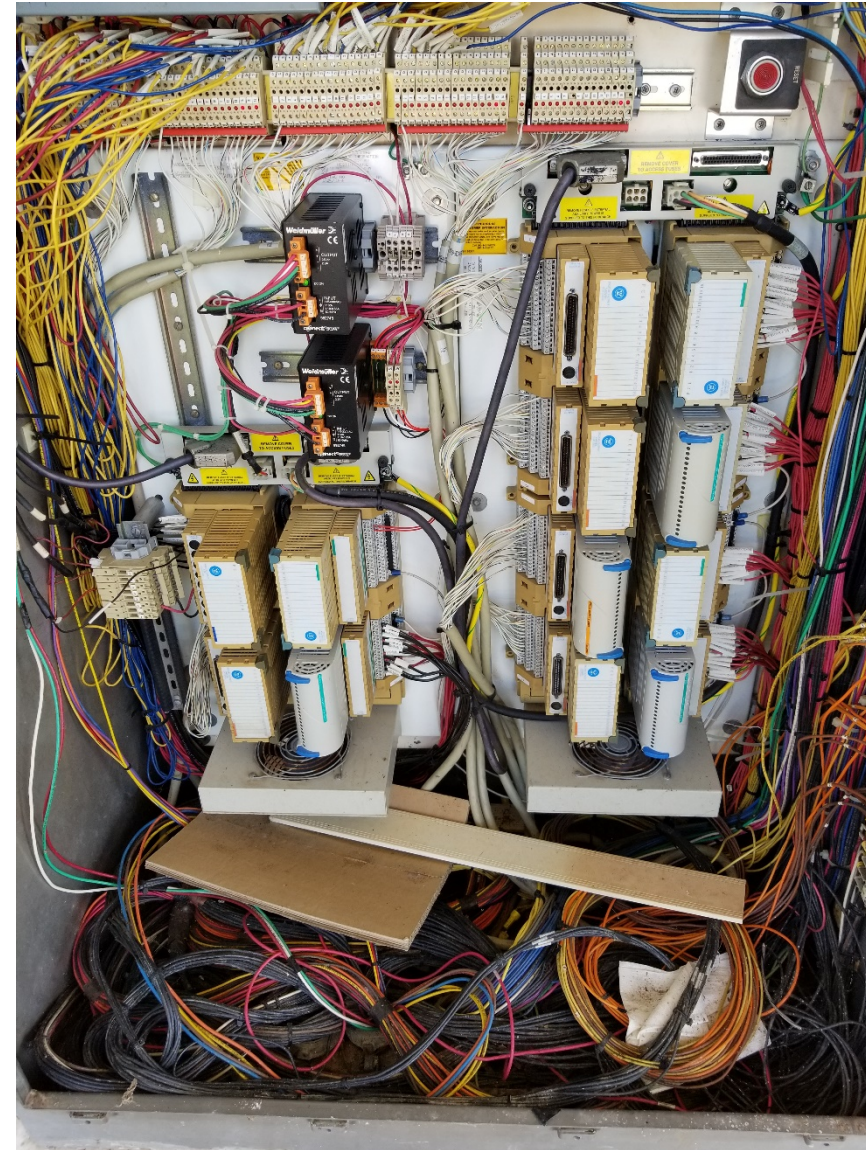
# Project Overview

## MCC-A, MCC-B



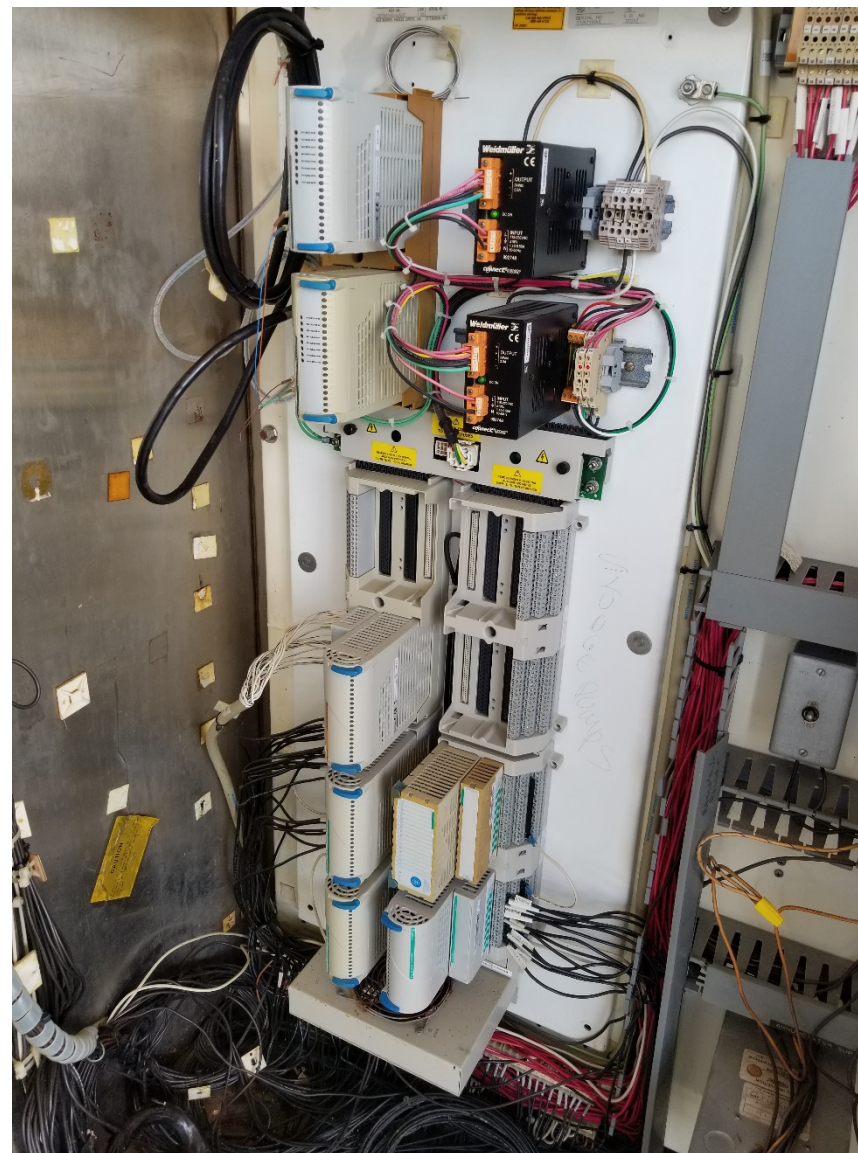
# Project Overview

## RIO-PSP, RIO-SKP



# Project Overview

## RIO-PSP, RIO-SKP



# Project Overview

Thickening  
Area 30

**RIO-DAFC**

**RIO-TSPPI**

**RIO-TSPP2**

**RIO-BLWR**



# Project Overview

## RIO-TSPPI, RIO-TSPP2





# Project Overview

## RIO-DACP, RIO-BLWR



# Project Overview

SCADA / IT Building

Area 40



# Contract Background

## External Agency Permit Requirements (City of San Antonio, etc.)

- Contractor to follow requirements identified in corresponding permits or agreements
- Changes in field that are cited by the Agency's Inspector will require concurrence and approval from the SAWWS Inspector first
- If contractor would like to work weekends or extended hours, notification is required 48 hours in advance to SAWWS Construction and Inspections. Requests should be send to [constworkreq@saws.org](mailto:constworkreq@saws.org)

# Contract Background

- All RFIs, RFPs, submittals, invoicing, and any other items related to construction must be uploaded and processed via CPMS
- No work can be performed by the Contractor unless the cost for that line item is on the contract
- Change orders, if any, will be based on negotiated prices if items are not in the price proposal
  - Negotiated using RS Means

# Contract Background

## Key Supplemental Conditions

- Pre- and Post-Construction videos
- Overall Construction Schedule 720 days
- Liquidated Damages of \$1,353.00 per day
- TWDB

# Contract Background

## Key Supplemental Conditions

- Phasing and sequencing is very important for this project – the electrical improvements and control improvements must proceed together; no electrical modifications can be done until the controls are implemented
- Sequencing must include coordination with other construction projects

**SC3. Construction Phasing and Sequencing:** The CONTRACTOR may follow the proposed construction sequencing in the Contract Documents. The CONTRACTOR shall submit an alternative sequence of construction (if different than proposed) in writing to the SAWS Construction Inspector/ENGINEER for approval. If approved, the CONTRACTOR shall provide the construction schedule for the approved sequencing prior to construction. It is the CONTRACTOR's responsibility to provide sufficient work force, materials, and equipment to complete the work in accordance with the Contract duration.

# Contract Background

## Key Special Conditions

- Geotechnical information available for review and is posted on SAWWS website for download upon the completion of a disclaimer form
- Coordination with On-Site Personnel
- Power System Study

# Contract Background

## Key Special Conditions - Allowances

- Subsurface Utility Investigation – Hydro-Vac excavate all sides of all underground construction before any digging
- Subsurface Utility Relocation – Covers unforeseen underground obstacles only. Any identified underground relocation work to be included in contract
- Permitting – All applications have been submitted. Contractor to pick up and pay for City of San Antonio permits
- Supplemental PLC and Rockwell HMI Training – Formal classes presented by Rockwell. SAWWS to make all arrangements, contractor to pay for training from this allowance



# Additional Special Considerations

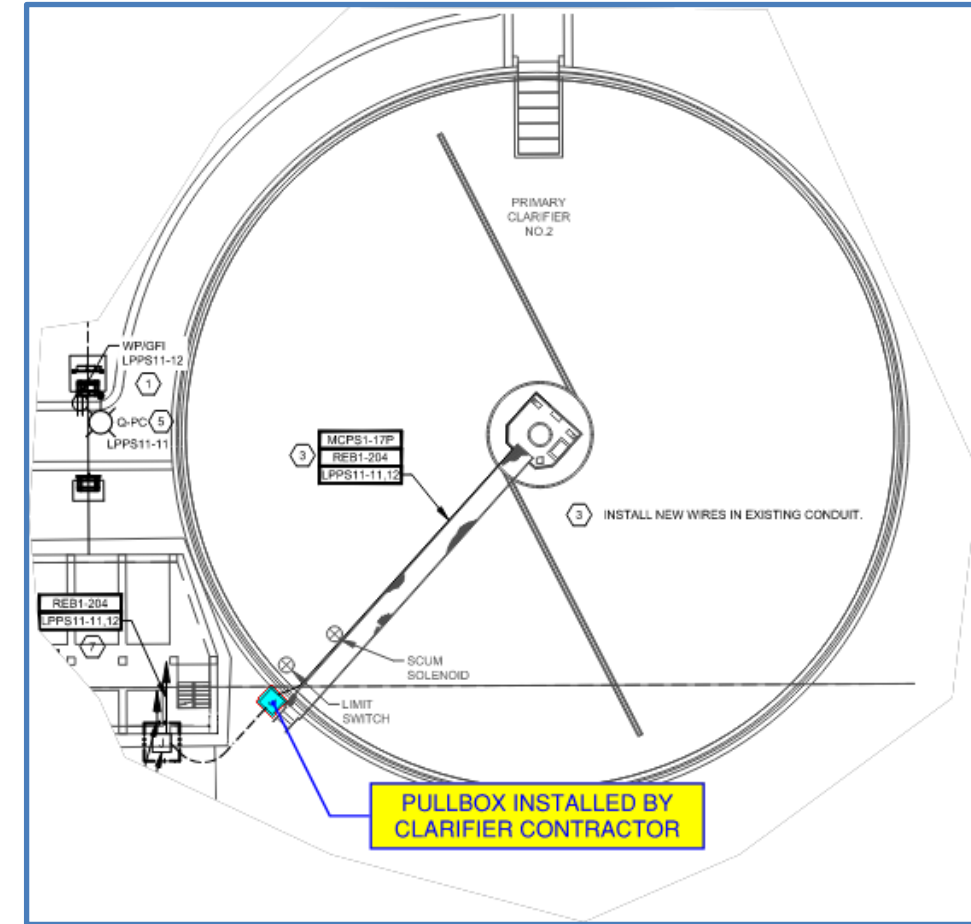
## Coordination with Concurrent Construction Projects - Headworks Upgrades

- Project will be adding grit chambers and PLC equipment
- Project 21-6507 contractor will be responsible for the top-end HMI programming including the new headworks PLCs
- Headworks electrical building (EB-HWI) construction and commissioning to be coordinated with headworks upgrade contractor
- Minimize duration for equipment to be operated in manual mode
- Coordinate headworks project schedule after proposal award

# Additional Special Considerations

## Coordination with Concurrent Construction Projects - Clarifiers Rehab

- Project will be replacing mechanical and electrical equipment on all eight primary clarifiers
- Contractor will install pullbox at the shore side of each clarifier catwalk
- 21-6507 contractor will run conduit to the pullbox, and will run wiring all the way from the associated electrical building to the clarifier equipment
- Current schedule is for all clarifiers to be complete before the electrical work is ready
- Contractor must coordinate with clarifier contractor for electrical equipment connections and routing



# Additional Special Considerations

## Special Inspections

### Specification Section 01416

#### SECTION 01416

##### CODE REQUIRED SPECIAL INSPECTIONS AND PROCEDURES

##### PART 1 – GENERAL

##### 1.01 DESCRIPTION

##### A. Scope:

1. CONTRACTOR shall provide all labor, materials, tools, equipment, and incidentals as shown, specified, and required to cooperate with the Registered Design Professional in Responsible Charge (RDPIRC), individual special inspectors, and testing agencies employed by OWNER, to facilitate special inspections.

#### SECTION 1704

##### SPECIAL INSPECTIONS AND TESTS, CONTRACTOR RESPONSIBILITY AND STRUCTURAL OBSERVATION

##### 1704.1 General.

*Special inspections* and tests, statements of special inspections, responsibilities of contractors, submittals to the *building official* and structural observations shall meet the applicable requirements of this section.

##### 1704.2 Special inspections and tests.

Where application is made to the *building official* for construction as specified in Section 105, the owner or the owner's authorized agent, other than the contractor, shall employ one or more *approved agencies* to provide *special inspections* and tests during construction on the types of work specified in Section 1705 and identify the *approved agencies* to the *building official*. These *special inspections* and tests are in addition to the inspections by the *building official* that are identified in Section 110.

- Special inspections are required by building code
- Contracted and paid for by SAWS, apart from the construction contract
- These inspections are in addition to the quality inspections performed and provided by the Contractor
- Do not take the place of any of the Contractor's inspection or testing activities
- Contractor must become familiar with the portions of the work that require special inspection, and must notify SAWS prior to completing such work

# Questions

- Should be submitted no later than **August 16, 2021** at 4:00 PM CDT
- Identify solicitation number in Subject line
- Must be submitted in writing to:

**Roxanne L. Lockhart**

**Contract Administrator**

Contract Administration Department

San Antonio Water System

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# Any Questions?

