

# Steven M. Clouse WRC Primary Clarifier Rehabilitation Project

**Eric Eckols P.E.**

Project Engineer

**Stella Manzello**

Contract Administrator

**Marisol V. Robles**

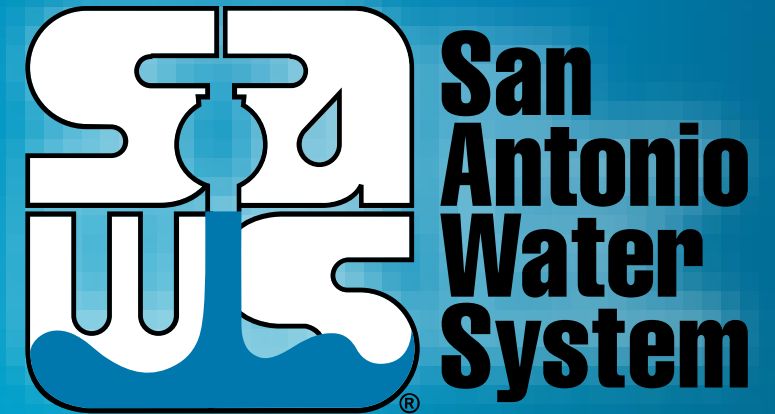
SMWVB Program Manager, SAWS

**Javier Garcia, P.E.**

Project Engineer of Record, GIC

**Gaspar Garcia, P.E.**

Project Engineer of Record, LAN



Mandatory Pre-Bid Meeting  
October 27, 2021 – 10:00 AM

MAKING SAN ANTONIO  
**WATERFUL**



# Oral Statements

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

# Agenda

- General Information
- SMWVB Requirements
- Contract Solicitation Website – Recent Changes
- Vendor Registration
- Key Reminders
- IFB Schedule
- Bid Packet Preparation
- Contract Requirements
- Project Overview
- Statement of Bidder's Experience
- Special Conditions
- Supplemental Conditions
- Project Details

# General Information

- This is a Mandatory pre-bid meeting
- Attendees should sign-in via chat on WebEx
- This presentation and the attendance sheet will be posted to the SAWS website
- Key project information:
  - Construction duration is 648 calendar days
  - Construction estimate \$10,285,000.00
- Construction services being procured through IFB

# 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, MBE, WBE, SBE)

### Minimum Qualifications for SMWB recognition:

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

# Good Faith Effort Plan (GFEP) FAQs

- **Q: Is the 20% SMWB goal mandatory?**  
A: No, 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 SMWB Program Manager with the scopes of work you are seeking. You will receive lists of local SMWB-certified firms to contact.
- **Q: What if my business is SMWB-certified? Do I need to find SMWB subs?**  
A: If your firm is SMWB-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 goal?**  
A: All subcontractors need to be included in the GFEP, even those that may not count towards the SMWB goal.
- **Q: What if I have questions about the GFEP?**  
A: Please contact the SMWB 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

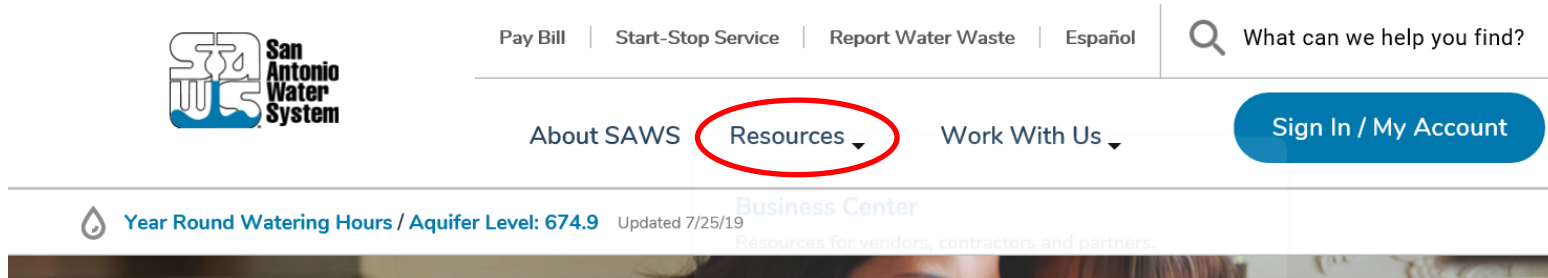
The Subcontractor Payment & Utilization Reporting System is powered by B2Cnow Software © Copyright 2018.

Steven M. Clouse WRC Primary Clarifier Rehabilitation Project



# Contract Solicitations Website – Recent Changes

- To locate the Contract Solicitations website choose Resources



- At the drop down menu choose Contract Solicitations



# Contract Solicitations Website – Recent Changes

- Choose the specific project
- The following buttons are now located under the advertisement:
  - Notify Me
  - Plan Holder's List
  - Downloads
    - Plans
    - Specs
    - Addendums
    - Geotechnical Data Report



The screenshot displays a project advertisement for a "Non-Mandatory Pre-Bid Meeting" on August 6, 2019. The advertisement includes the location: San Antonio Water System Customer Service Building, 2800 U.S. Hwy 281 N, San Antonio, Texas 78212; Conference Room CR-C145. Below the advertisement, there are three main action buttons: "Notify Me" (with a megaphone icon and the text "Receive updates sent straight to your inbox."), "Plan Holders List" (with a group of people icon and the text "View plan holders list."), and "Downloads" (with a calendar icon showing "31"). The "Downloads" section lists two items: "Specifications" and "Plans", both dated Jul. 31, 2019, with a note: "Note: You must be logged in to access this document." Each download item has a PDF icon with a lock symbol.

# Vendor Registration & Notification (VRN)

- Please register through SAWS 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 must 'Subscribe' to the project by selecting the project, and clicking 'Subscribe' under the Notify Me box.

[https://apps.saws.org/Business\\_Center/Contractsol/](https://apps.saws.org/Business_Center/Contractsol/)



Notify Me

Receive updates sent straight to your inbox.



Subscribe

# Key Reminders

- All questions should be sent in writing to the corresponding Contract Administrator by email or fax.
- Please identify the project by its associated solicitation number.
- Contractors should not contact the SAWWS project engineer, the consultants for this project, or any other SAWWS staff up until Board award.
- Late bids will not be accepted, and will be returned unopened.
- Due to the COVID-19 emergency and to protect the health of the public, SAWWS is implementing new procedures for the submission of bids.
- Bids will be received either Electronically or through Sealed bids.
- Electronic bids will be received via the secure SAWWS FTP site.
- Sealed bids will be received by Contract Administration, 2800 U.S. Hwy 281 North, Tower II, Customer Center Building, via a drop box located on the left wall when walking through the first set of double glass doors of the main Tower II entry on the north side of the building.
- If bids will be delivered in person to SAWWS, Bidders should allow sufficient travel time.

# IFB Schedule

## Questions Due

Tuesday – November 1, 2021  
4:00 PM(CT)

## Bids Due

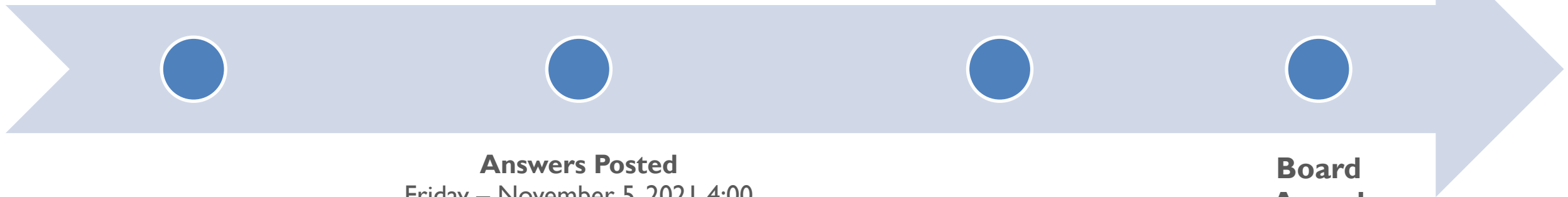
Wednesday – November 10, 2021  
1:00 PM (CT)

## Answers Posted

Friday – November 5, 2021 4:00  
PM (CT)

## Board Award

December  
2021



# Bid Packet Preparation

- Utilize the Bid Packet Checklist within the specifications
  - All items due with the bid
- Double check all mathematical calculations and verify all extensions
- Addendums are acknowledged on the Bid Proposals
- Ensure Mobilization & Prep ROW Line Item does not exceed the percentage allowed
- References and contact information must be verified prior to submitting bid(s)

# 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
- 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

- Insurance requirements are found in Section 5.7 of the GCs
  - Pollution Liability & Installation Floater is required
  - Maintain insurance coverage during the construction of this Project
- Compliant prior to executing the contract
- Will ask for insurance prior to Board award to expedite execution of the contract
  - Any deficiencies must be corrected prior to Board award



# Non-Mandatory Site Visit

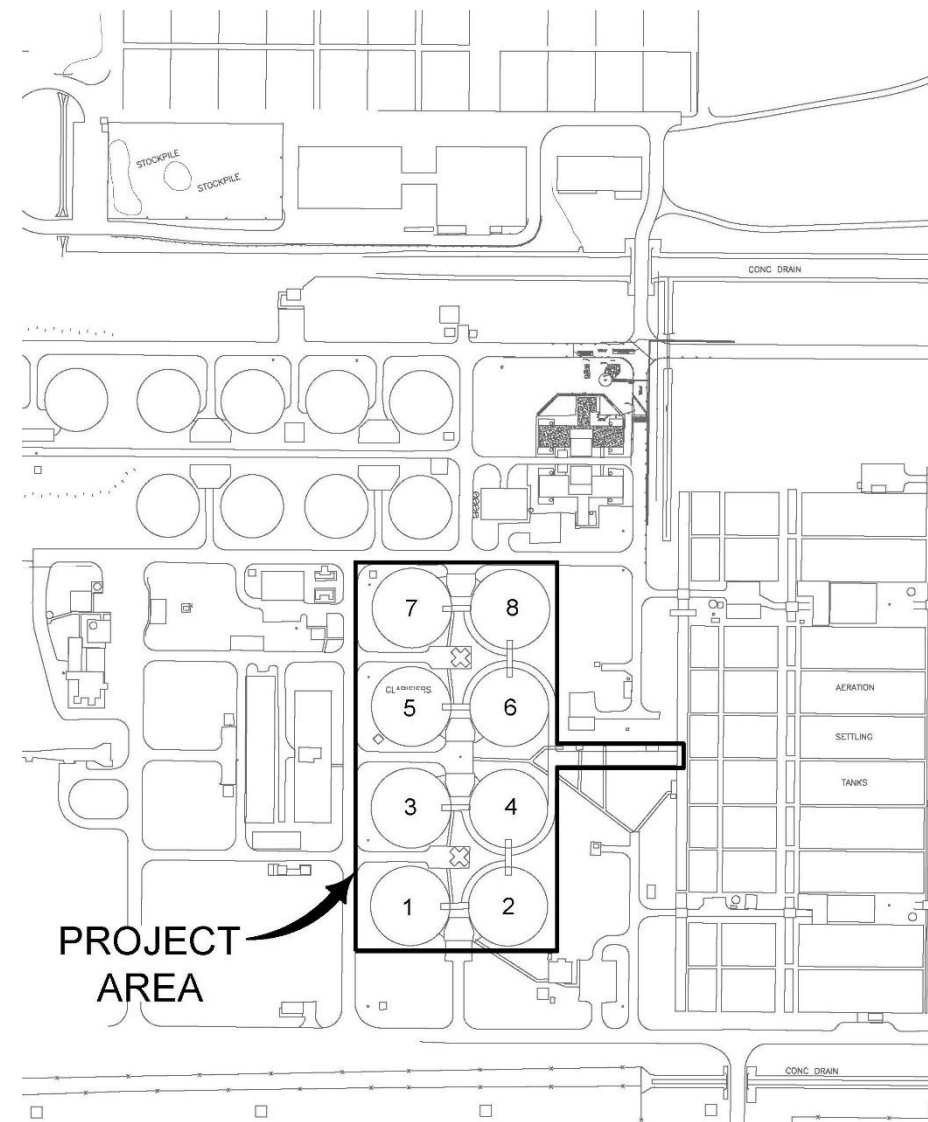
- October 27, 2021 at 1:00PM
- Site Visit duration – 1 hour
- No Q&A during site visit
- COVID-19 protocols enforced (mask, temperature check, social distancing)
- Visitors to wear proper PPE
- Coordinate site visit in advance with Stella Manzello

# Contact Information

<u>Contact Name</u>	<u>Title</u>	<u>Telephone Number</u>	<u>Email address</u>
Stella Manzello	Contract Administrator	210-233-3854	<a href="mailto:Stella.Manzello@saws.org">Stella.Manzello@saws.org</a>
Marisol V. Robles	SMWVB Program Manager	210-233-3420	<a href="mailto:Marisol.Robles@saws.org">Marisol.Robles@saws.org</a>

# Addendum No. 4 Overview

- Rehabilitate Primary Sludge and Skimming Pump Station No. 1 to 4 Canopy.
- Abandoned and replace Air Diffuser Header (16, 12, 10, 8, and 6-inch.)
- Payment terms from the Primary Clarifier Manufacturer (Ovivo) Price Proposal were removed. Contractor is required to issue Letter of Intent to Purchase seven days after Owner issues Notice to Proceed.
- Miscellaneous specifications revisions.

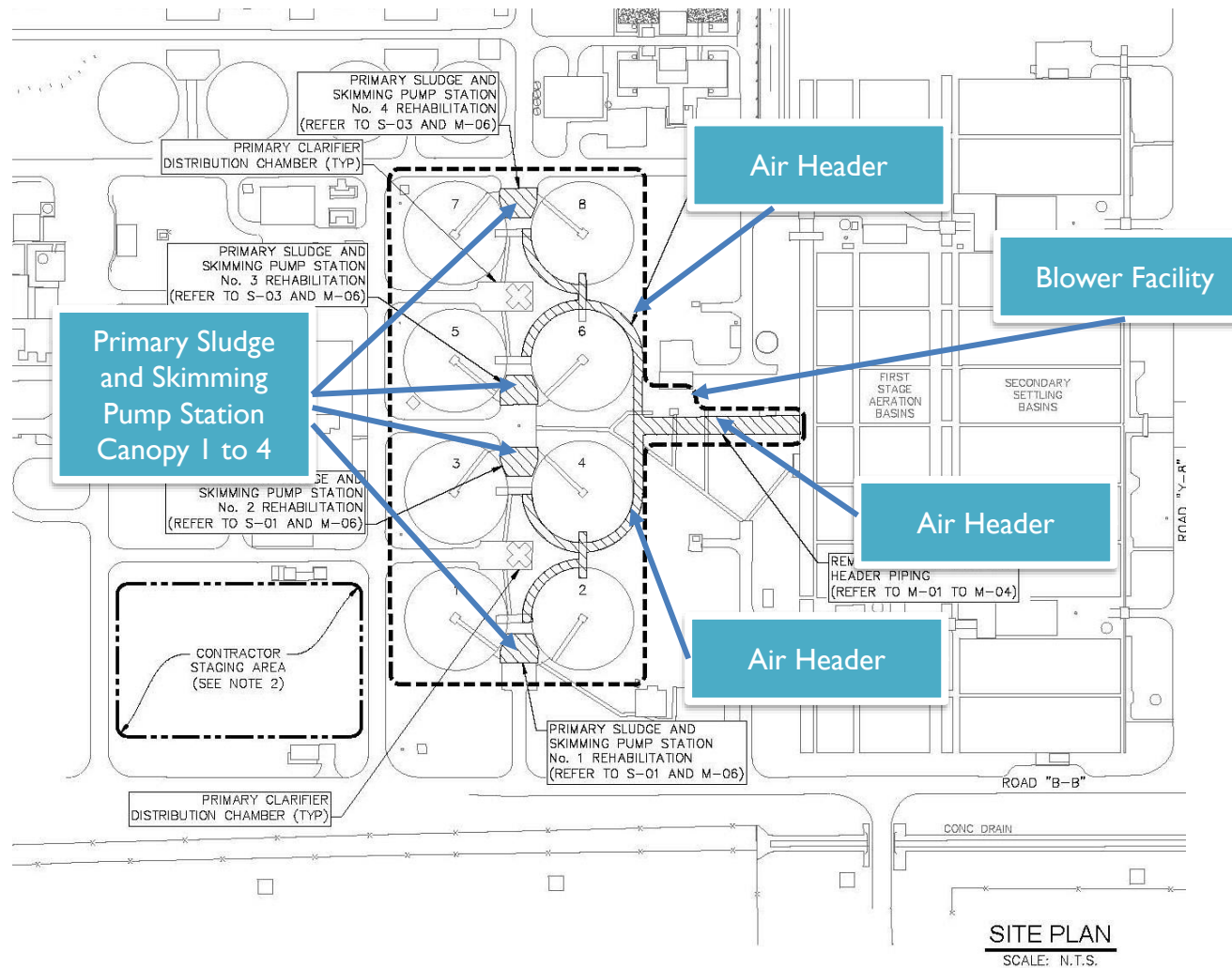


# Addendum No. 4 Overview

## ➤ Suggested Work Sequence

- Existing Diffuser System is not operational. Contractor may work on diffuser system and header without the need to keep system operational.
- Coordinate shutdown of Primary Sludge and Skimming Pump Station with SAWS Staff. Each pump station shutdown most coincide with corresponding primary clarifiers as follows:
  - ✓ PS 1- Primary Clarifier Nos. 1 and 2
  - ✓ PS 2- Primary Clarifier Nos. 3 and 4
  - ✓ PS 3- Primary Clarifier Nos. 5 and 6
  - ✓ PS 4- Primary Clarifier Nos. 6 and 7
- Owner may need to take a Primary Clarifier out of service for emergency corrective maintenance outside Contractor's construction sequence.

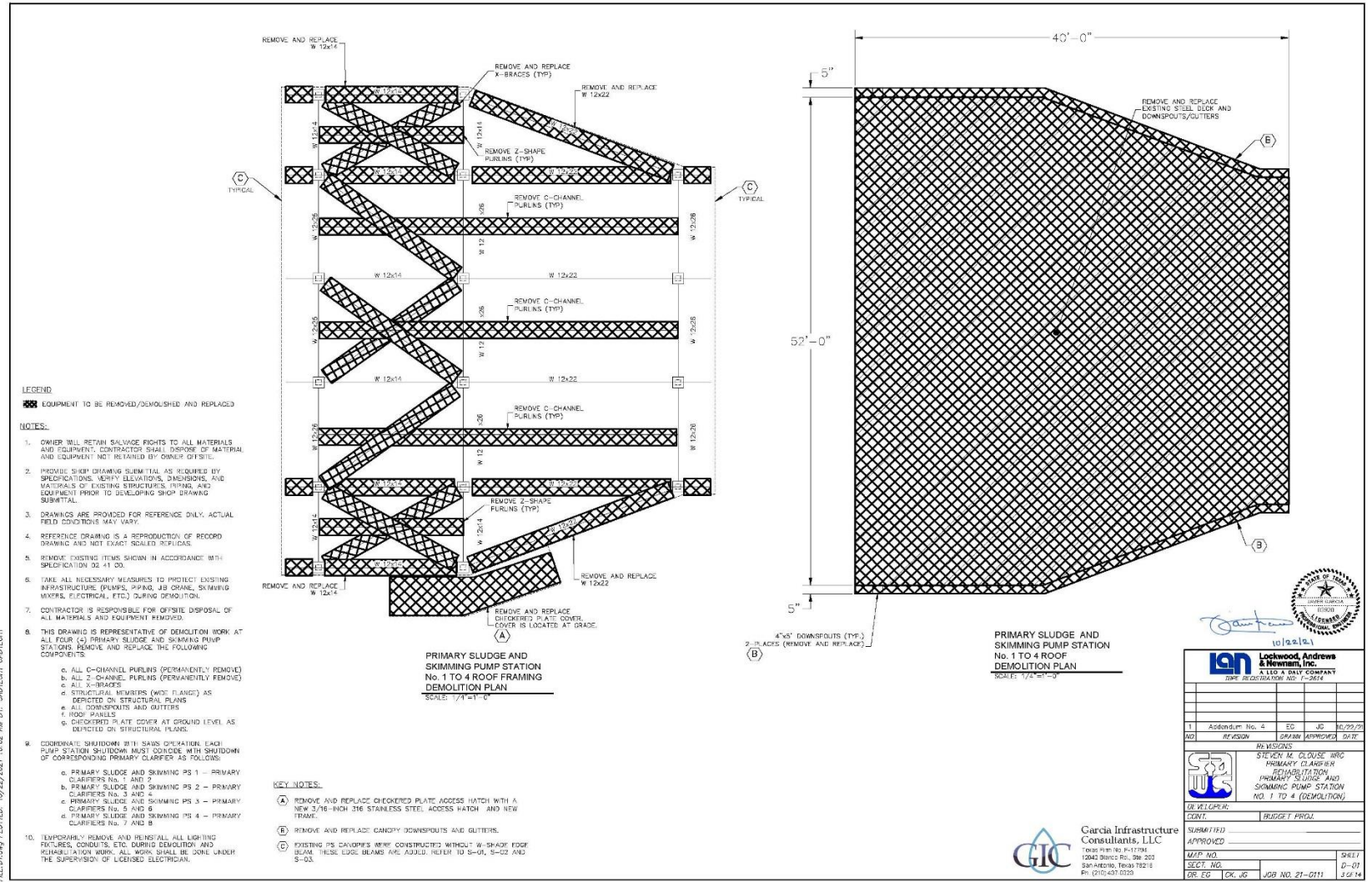
# Project Details – Proposed Site Plan



# Project Details – Primary Sludge and Skimming Pump Station Canopy Demolition

## DEMOLITION SUMMARY

1. Work applies to Primary Sludge and Skimming Pump Station No. 1 to 4.
2. Contractor is responsible for the offsite disposal of all materials.
3. Drawing shows **structural members** to be removed and replaced.
4. All **purlins** are to be permanently removed and not replaced.
5. **Roof panels** to be removed and replaced.
6. **Downspouts and gutters** to be removed and replaced.
7. Temporarily remove and re-install all **light fixtures, conduits, etc.** during demolition and rehabilitation work and re-install under the supervision of a licensed electrician.
8. Remove and replace **checkered plate cover and frame.**



# Project Details – Primary Sludge and Skimming Pump Station Demolition

**1** ROOF FRAMING DEMOLITION (TYPICAL)  
SCALE: N.T.S.

**2** ROOF FRAMING DEMOLITION (TYPICAL)  
SCALE: N.T.S.

**3** ROOF FRAMING DEMOLITION (TYPICAL)  
SCALE: N.T.S.

**4** ROOF FRAMING DEMOLITION (TYPICAL)  
SCALE: N.T.S.

**5** ROOF FRAMING DEMOLITION (TYPICAL)  
SCALE: N.T.S.

**6** CHECKERED PLATE ACCESS HATCH DEMOLITION  
SCALE: N.T.S.

**7** ROOF FRAMING DEMOLITION (TYPICAL)  
SCALE: N.T.S.

**LEGEND**  
 ☒ EQUIPMENT TO BE REMOVED/DEMOLISHED AND REPLACED

**NOTES:**  
 1. REFER TO GENERAL DEMOLITION NOTES ON SHEET D-01 AND D-02.  
 2. REFER TO STRUCTURAL AND MECHANICAL DRAWINGS FOR REHABILITATION PLAN.

**KEY NOTES:**  
 (A) REMOVE AND REPLACE CANOPY DOWNSPOUTS AND GUTTERS  
 (B) REMOVE AND REPLACE STRUCTURAL MEMBERS  
 (C) REMOVE AND REPLACE X-BRACING  
 (D) PERMANENTLY REMOVE Z SHAPE PURLINS  
 (E) PERMANENTLY REMOVE C-CHANNEL PURLINS  
 (F) REMOVE AND REPLACE METAL ROOF PANELS  
 (G) REMOVE AND REPLACE CHECKERED PLATE COVER

**REVISIONS**  
 STEVEN M. CLOUSE WRC  
 PRIMARY CLARIFIER  
 REHABILITATION  
 PRIMARY SLUDGE AND  
 SKIMMING PUMP STATION  
 (PICTURES)

**DEVELOPER:** \_\_\_\_\_  
**CONTR:** \_\_\_\_\_  
**BUDGET PROJ:** \_\_\_\_\_

**SUBMITTED** \_\_\_\_\_  
**APPROVED** \_\_\_\_\_

**MAP NO.** \_\_\_\_\_ **SHEET** \_\_\_\_\_  
**SECT. NO.** \_\_\_\_\_ **D-02**  
**DR. EG** **CK. JG** **JOB NO. 21-0111** **4 OF 14**

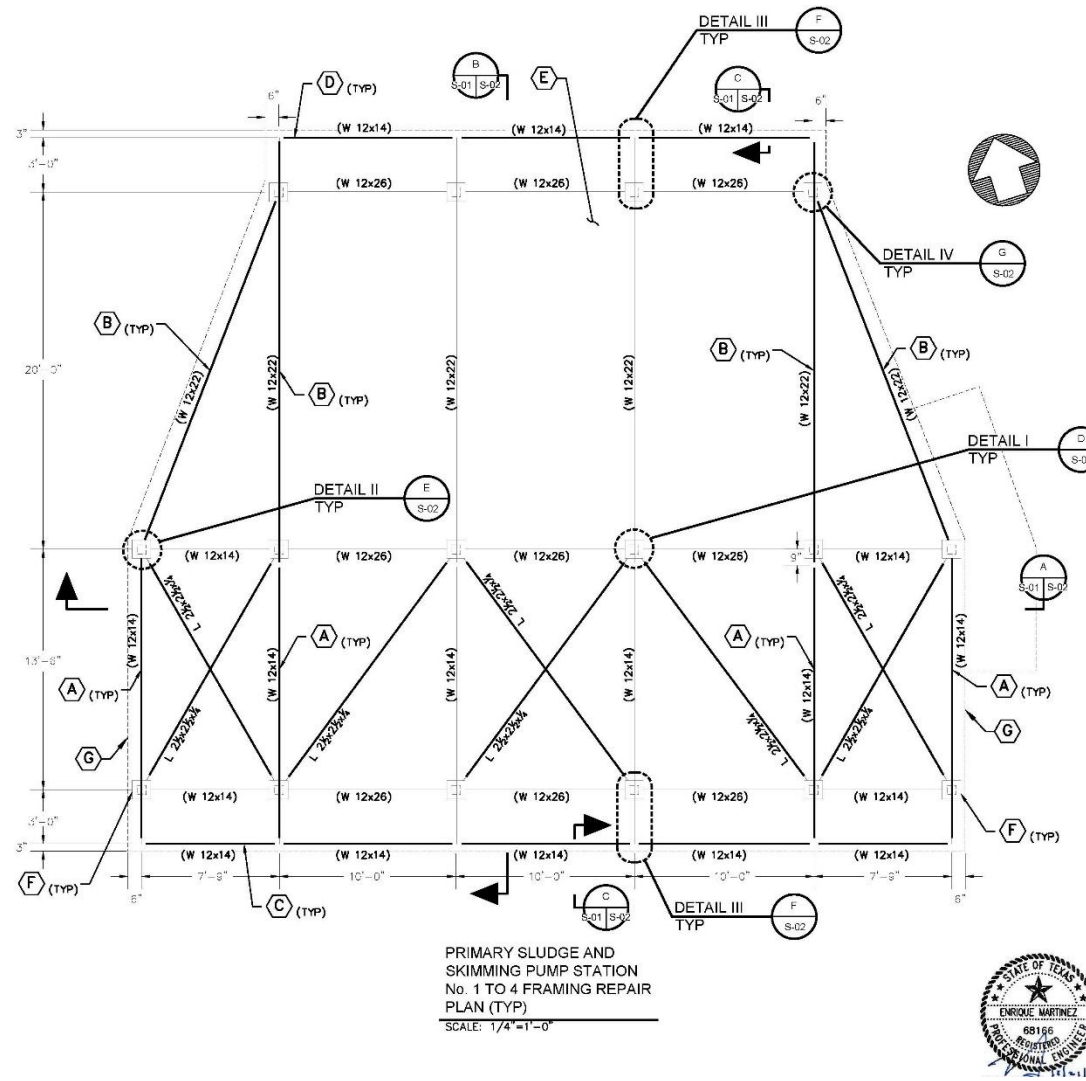
**Lockwood, Andrews & Newnam, Inc.**  
 A LEO A ELLI COMPANY  
 T&E REGISTRATION NO. T-2614

**Garcia Infrastructure Consultants, LLC**  
 Texas Firm No. F-17794  
 12010 Silverado Pk., Box 200  
 San Antonio, Texas 78248  
 PH: (210) 493-0022

# Project Details – Primary Sludge and Skimming Pump Station Rehabilitation/Repairs

## STRUCTURAL SUMMARY

1. Work applies to Primary Sludge and Skimming Pump Stations No. 1, 2, 3, & 4).
2. Provide shop drawings. Verify elevations, dimensions, and materials of existing canopy structure prior to developing shop drawings.
3. Drawing shows **structural members** to be replaced.
4. All **purlins** are to be permanently removed and not replaced.
5. Remove and replace all **gusset plates**.
6. Typical connection details are shown on S-02. Sizes were taken from record drawings and visual inspections. Contractor to verify sizes of all structural members, plates, gusset plates, etc. prior to shop drawing submittal and fabrication.
7. Shop prime all structural members prior to installation.
8. Provide temporary bracing of the canopy during construction.

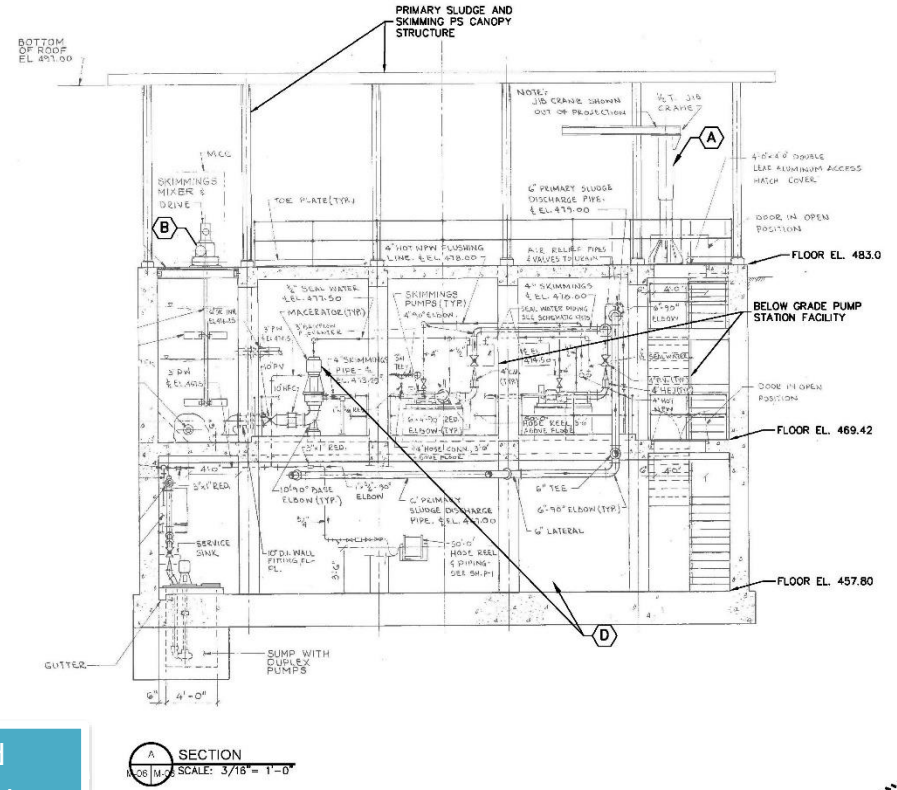
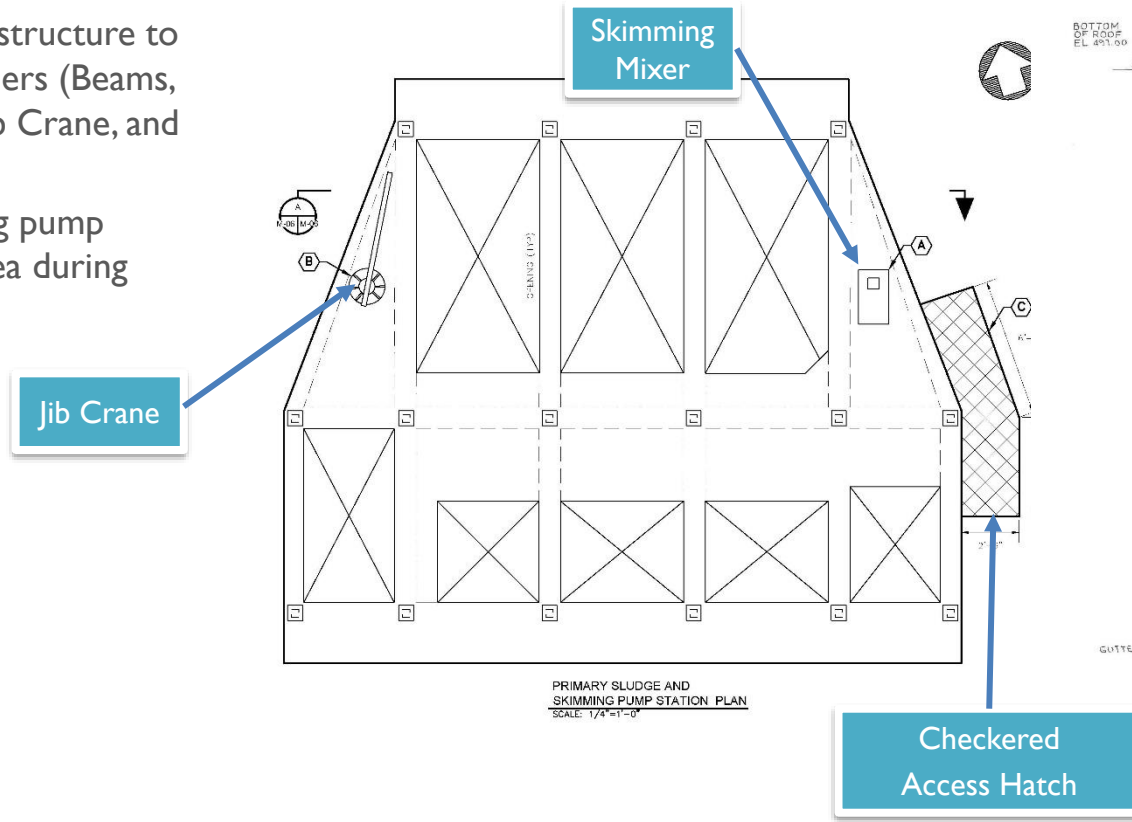




# Project Details – Primary Sludge and Skimming Pump Station Rehabilitation

## Primary Sludge and Skimming Pump Station No. 1, 2, 3, and 4

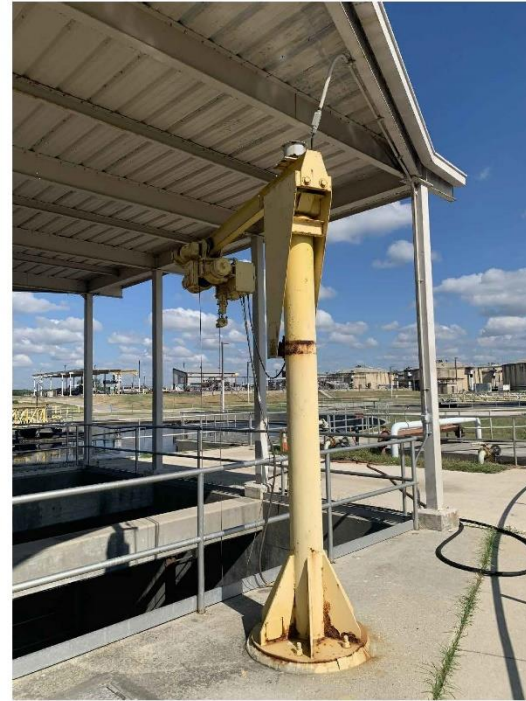
1. Sandblast and coat canopy structure to include all structural members (Beams, X-Braces, and Columns), Jib Crane, and Skimming Mixer.
2. Shroud and protect existing pump station and surrounding area during sandblasting and painting.



# Project Details – Primary Sludge and Skimming Pump Station Rehabilitation



1 PRIMARY SLUDGE AND SKIMMING PUMP STATION  
M-07 SCALE: N.T.S.



2 JIB CRANE  
M-07 SCALE: N.T.S.

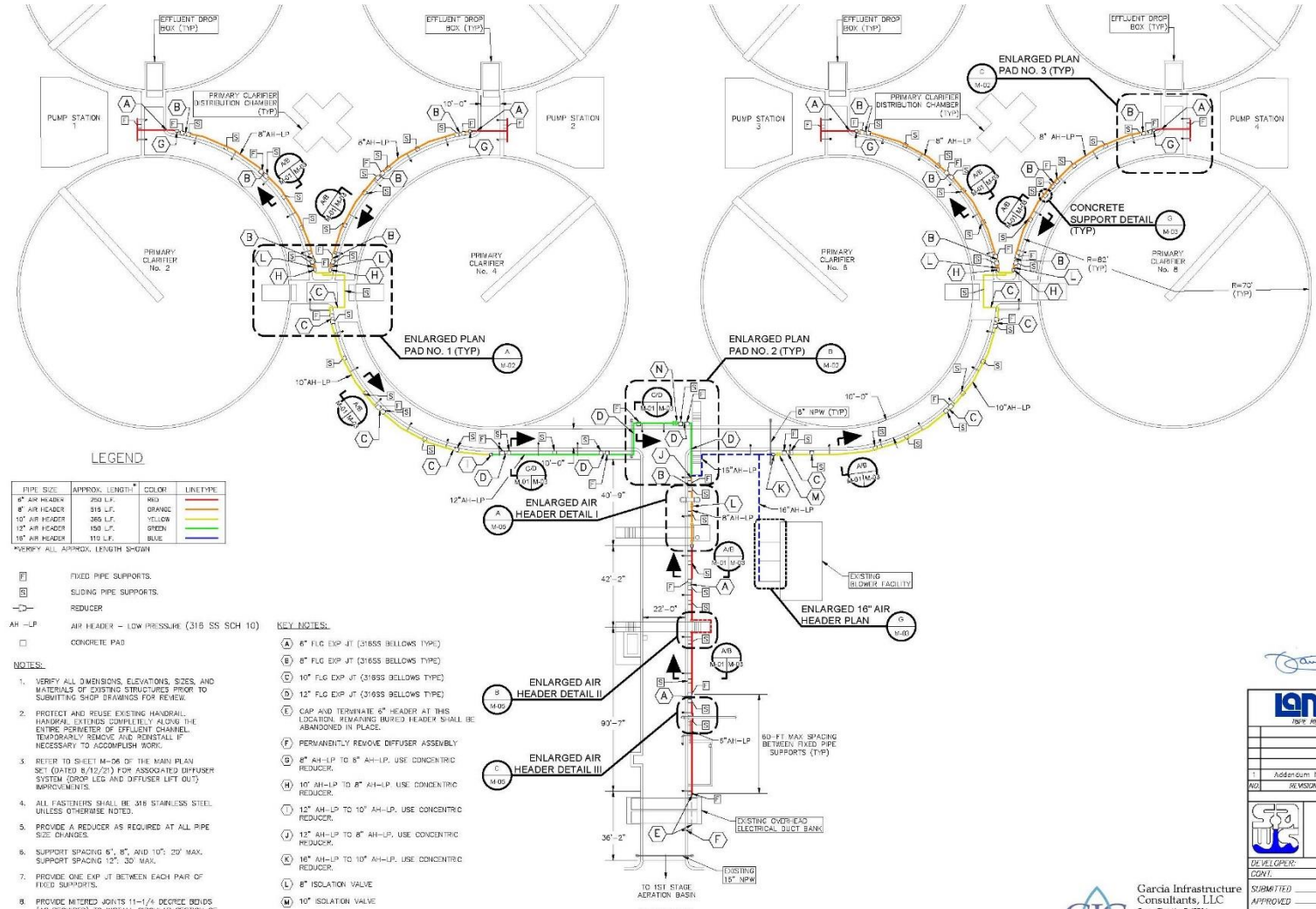


3 SKIMMER MIXER  
M-07 SCALE: N.T.S.

# Project Details – Clarifier Effluent Channel Diffuser System (Air Header)

## AIR HEADER SUMMARY

1. Abandoned existing buried air header and replace with a new above grade air header. Pipe size ranges from 16, 12, 10, 8, and 6-inch.
2. Air header– 316 SS (Schedule 10S)
3. Pipe adjustable pipe supports- 316 SS.
4. Expansion Joints (Bellows Type)- 316 SS.
5. Isolation Valves-
  - Body- Cast Iron
  - Disk- 316 Stainless Steel
6. Header Pipe Supports
  - 20-ft spacing between supports.
  - One (I) expansion joint between fixed supports.
  - Provide sliding supports between fixed supports.
7. Enlarged plans provided to highlight resolution of conflicts.



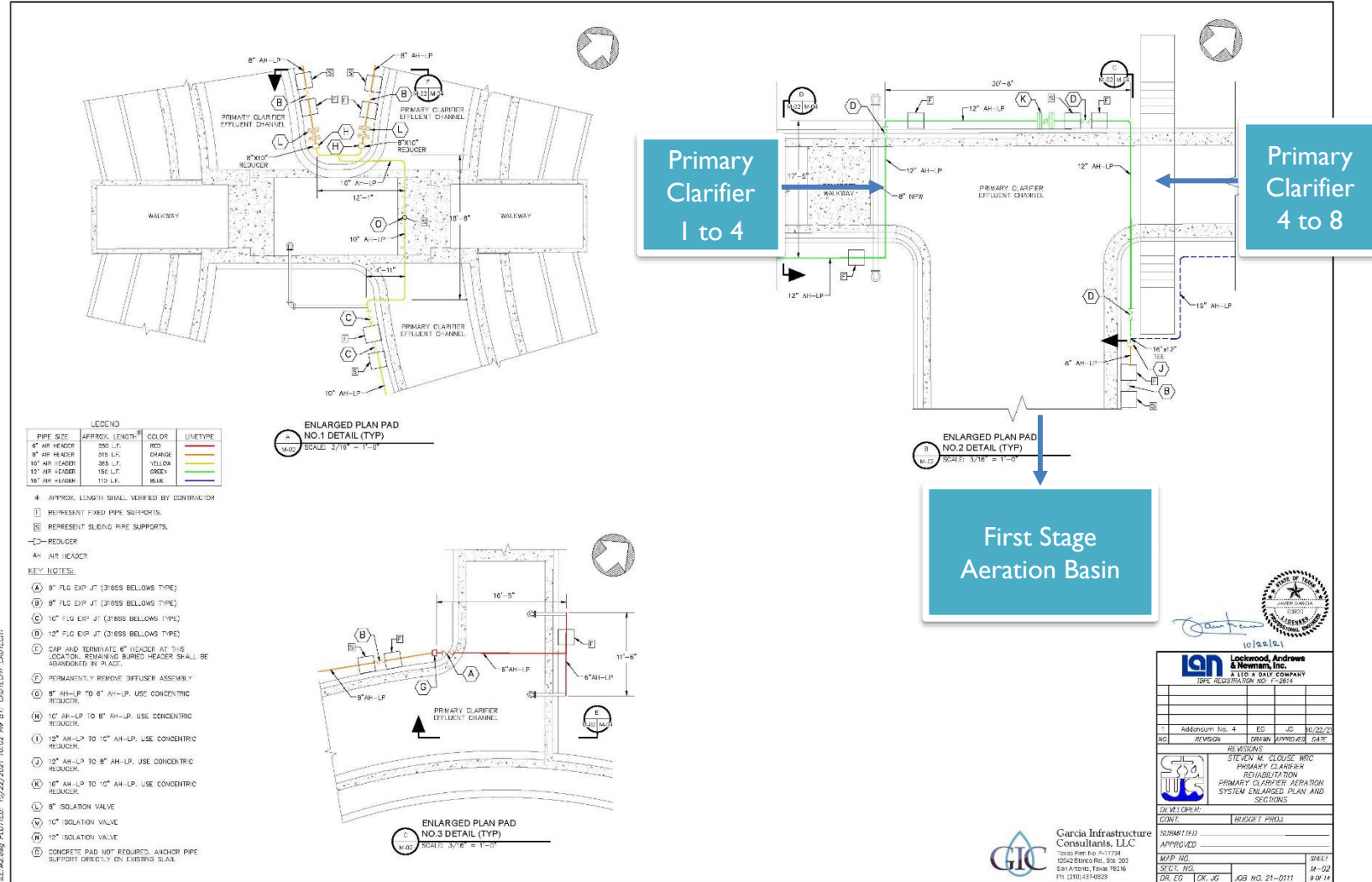
Garcia Infrastructure Consultants, LLC

Professional Engineer and Surveyor stamps for Garcia Infrastructure Consultants, LLC, including a signature and various registration details.

# Project Details – Clarifier Effluent Channel Diffuser System (Air Header)

## AIR HEADER ALIGNMENT

- 1. Enlarged plans show alignment at clarifier drop boxes and other junction points.



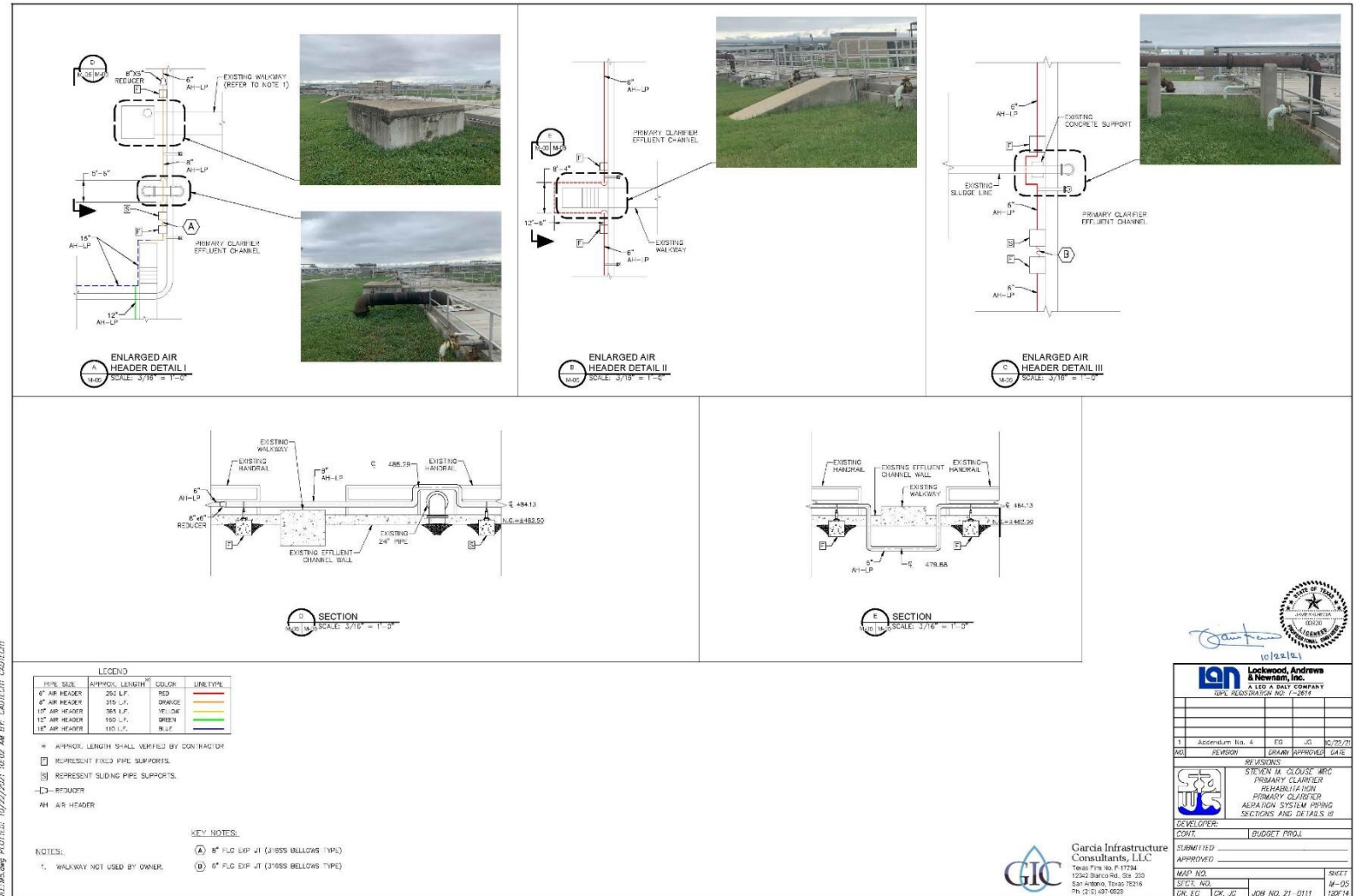
 Lockwood, Andrews & Newnam, Inc. A LEO A DALY COMPANY STATE REGISTRATION NO. C-2814	
ADDRESS: No. 4 REVISION: [ ] DATE: 10/22/21	EC: [ ] JG: [ ] 10/22/21
REVISIONS: STEVEN M. CLOUSE WRC PRIMARY CLARIFIER REHABILITATION PRIMARY CLARIFIER AERATION SYSTEM ENLARGED PLAN AND SECTIONS. DR. V. C. [ ] CONT. [ ] WIDGET PIVOT	
SUBMITTED: APPROVED: DATE: [ ] SCALE: [ ]	SHEET: M-02 9/1/14

FILE: H22.dwg PLOTTED: 10/22/2021 10:02 AM BY: CADTECH CADTECH

# Project Details – Clarifier Effluent Channel Diffuser System (Air Header)

## AIR HEADER ALIGNMENT

I. Enlarged Plans depict conflict resolution along the common Primary Clarifier Effluent Channel from the Junction point to First Stage Aeration Basin.



# Project Details – Specifications

## Bid Proposal

- New bid line item for the Primary Sludge and Skimming Pump Station No. 1 to 4 Rehabilitation.
- New bid line item for the air header replacement.

## Special Conditions

- Added requirement for Contractor to issue letter of intent to Primary Clarifier Equipment Manufacturer (Ovivo) seven (7) days after Owner issue NTP.
- Replaced Ovivo Proposal. New proposal excludes payment terms from proposal.

## Summary of Work (01 11 00)

- Revised to include new work, Primary Sludge and Skimming Pump Station No. 1 to 4 Rehabilitation and air header replacement.

## Measurement and Payment (01 22 13)

- New bid line item for the Primary Sludge and Skimming Pump Station No. 1 to 4 Rehabilitation.
- New bid line item for the air header replacement.

## Structural Steel Framing (05 12 00)

- New specification for related to the Primary and Skimming Pump Station No. 1 to 4 Canopy Rehabilitation.

## Process Piping General (40 23 39)

- Revised to include air header low pressure pipe (316 Stainless Steel – Schedule 10S) for the required pipe sizes (16, 12, 10, 8, & 6-inch)

# Project Details – Specifications

## Process Valves (40 23 43)

- Modified section to add air header isolation valves and expansion joint (bellows type)

## Weir and Baffles (40 43 25)

- Revised to include a fifth (5<sup>th</sup>) approved manufacturer for the weir and baffles. Refer to Section 2.2, Paragraph 3.

## Coarse Bubble Diffuser (46 51 21)

- Revised to include a third (3<sup>rd</sup>) approved manufacturer for the Coarse Bubble Diffuser System. Refer to Section 2.2, Paragraph B.

# QUESTIONS?

*Reminder: Oral **statements or discussion** during the pre-bid meeting today **will not be binding**, nor will it change or affect the terms or conditions within the Plans and Specifications of this Project. Changes, if any, will be addressed in writing only via an Addendum.*



# Steven M. Clouse WRC Primary Clarifier Rehabilitation Project

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Project Engineer

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Contract Administrator

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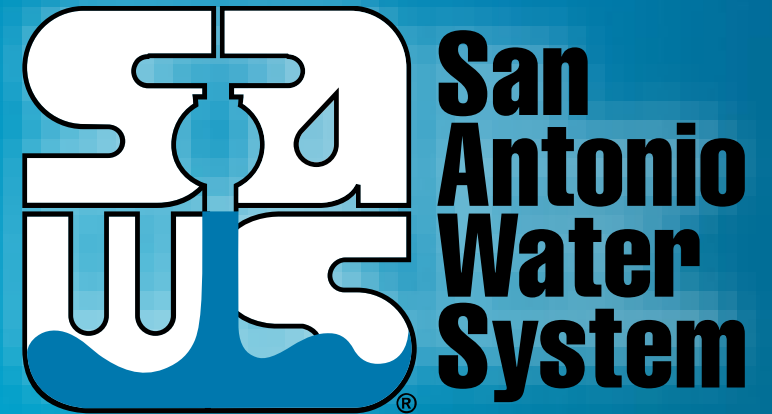
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MAKING SAN ANTONIO  
**WATERFUL**

