

# Brooks Recycled Water Pump Station Upgrades Project CO-00687

Orlando D. Cruz, P.E., CFM

Project Engineer, Plants and Major Projects

Janie M. Powell

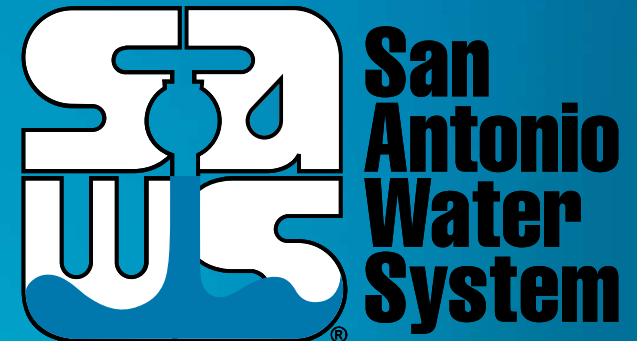
Contract Administrator

Susan Rodriguez

Interim SMVB Program Manager

V. Ryan Sowa, P.E.

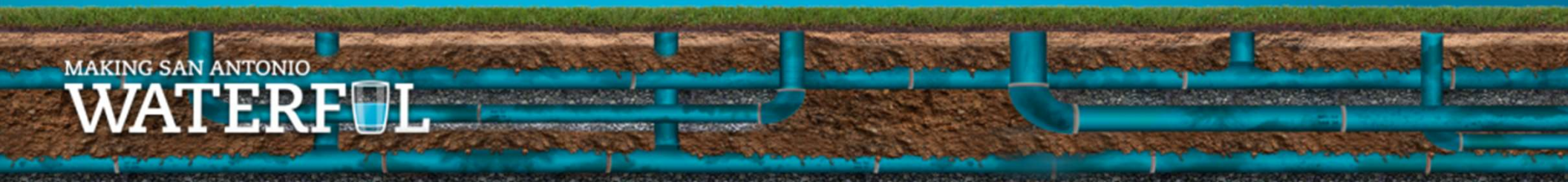
Design Consultant, Kimley-Horn



Non-Mandatory Pre-Bid Meeting

September 13, 2023

MAKING SAN ANTONIO  
**WATERFUL**

The 'Waterful' logo graphic, which includes a small blue glass filled with water, positioned between the letters 'R' and 'F' of the word 'WATERFUL'.

# WebEx Reminders

Attendees shall:

- Stay muted during the entire presentation
- Sign-In using the chat
  - Name, Company, Email Address
- Ask questions at any time during the presentation utilizing the Chat.
  - Questions will be addressed at the end of the presentation
  - Select “Everyone” from the drop down
- Audio only attendees may follow along on the presentation posted to the SAWS solicitation website

## 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.

# Communication Restrictions

## REMINDER

Please be advised that Bidders are prohibited from communicating with any other SAWS staff, the Consultant, the Developer, or City of San Antonio officials regarding this IFB up until the contract is awarded as outlined in the Instructions to Bidders

# Agenda

- General Information
- Non-Mandatory Site Visit
- SMWB Requirements
- Contract Solicitations Website
- Solicitation Schedule
- Contract Requirements
- Bid Packet Preparation
- Bid Opening Procedures
- Contact Information
- Project Location
- Project Overview
- Special Inspections
- Special Conditions
- Allowances
- Questions

# General Information

- This is a non-mandatory pre-bid meeting
- This presentation has been posted and the attendance sheet will be posted to the SAWWS website at the end of this meeting
- Construction services being procured through Invitation for Bids (low bid) under Chapter 2269 of the Texas Government Code
- Key Project Information:
  - Estimated Budget: \$4,250,000.00
  - Duration: 660 Calendar days

# Non-Mandatory Site Visit

- There will be a Non-Mandatory site visit at 10:00 AM September 15, 2023.
- Meet at the Brooks Recycled Water Pump Station at 3302 SE Military Drive, San Antonio, TX 78223
- Site visit duration is expected to be no more than one (1) hour (excluding drive time)
- No Q&A during the site visit
- Questions should be submitted in writing via email to [Janie.Powell@saws.org](mailto:Janie.Powell@saws.org) and will be addressed via an Addendum
- Attendees will be escorted by SAWS personnel and should not stray

# Aspirational SMWB Goal

Industry	Aspirational SMWB Goal
Construction	16%

The aspirational SMWB goal is 16% of your total bid price



## Minimum Qualifications for SMWB recognition:

- South Central Texas Regional Certification Agency
  - Must be SBE-Certified (including MBEs and WBEs), or,
  - Texas Historically Underutilized Business “HUB” Program
- Local Office or Local Equipment Yard
  - Bexar, Comal, Guadalupe, Hays, Kendall, Travis, and Williamson counties

# Good Faith Effort Plan (GFEP) FAQs

- **Q: Is the 16% 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: The SCTRCA has a search portal at [www.sctrca.org](http://www.sctrca.org). Please make sure to include SAWS-specific parameters in your search. Contact Susan Rodriguez at [Susan.Rodriguez@saws.org](mailto:Susan.Rodriguez@saws.org) if assistance is needed.

- **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, including non-SMWBs.

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

A: Please contact the Interim SMWB Program Manager at 210-233-3070, or at [Susan.Rodriguez@saws.org](mailto:Susan.Rodriguez@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. Must be Current and Accurate before Retainage is released

<https://saws.smwbe.com>



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# Contract Solicitations Website

- To locate the Contract Solicitations, go to the SAWS website at [www.saws.org](http://www.saws.org), click on the drop-down menu for Resources, and select Business Center, then Contract Solicitations
- Highly recommend all firms be [registered](#) and to subscribe to each project to ensure access to the latest project information
- Choose the specific project by selecting “More”
- The following buttons are located under the advertisement:
  - Notify Me – Subscribe
  - Plan Holder’s List – View List
  - Downloads
    - Specifications
    - Addendums
    - Plans
    - Engineering Reports

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# Solicitation Schedule

MILESTONE	DATE / TIME
<b>Non-Mandatory Site Visit</b>	September 15, 2023 at 10:00 AM (CDT)
<b>Questions Due</b>	September 20, 2023 at 4:00 PM (CDT)
<b>Answers Posted</b>	September 27, 2023 at 5:00 PM (CDT)
<b>FTP Request Deadline</b>	October 3, 2023 at 10:00 AM (CDT)
<b>Bids Due</b>	October 4, 2023 at 10:00 AM (CDT)
<b>Lowest Responsible Bidder Notified</b>	October 4, 2023
<b>Board Award</b>	November 7, 2023
<b>Estimated NTP</b>	November 14, 2023

# Contract Requirements

## Prevailing Wage Rate and Labor Standards – Section 2.10 of the General Conditions

- Wage decisions are included within the specifications
- Contractors to utilize LCP Tracker
- Certified payroll to be submitted on weekly basis beginning on the start date indicated on the Notice to Proceed, even in non-performing weeks
- Contractors are responsible for sub-contractor payroll
- Late payrolls delay contractor payments, as well as release of retainage at the end of the project
- Payroll records are subject to review
- Site visits are random and unannounced
- Interviews will be conducted and will be private & confidential
- All apprenticeship programs will need to be approved by Department of Labor prior to starting work

# Contract Requirements

- Insurance requirements are found in Section 5.7 of the GCs
  - **Installation Floater** is required in lieu of Builder's Risk
- Contractor's insurance must be compliant on all other SAWWS projects
- SAWWS will request insurance certificate prior to Board award to ensure insurance compliance and to assist in expediting execution of the contract
- Contractor must ensure insurance is compliant for the duration of the contract

# Contract Requirements

## Supplemental Conditions

- Contractor shall perform the work with its own organization on at least **40%** of the total original contract price which should be indicated on the Good Faith Effort Plan.

1.	Prime Contractor's Percentage of Participation (may not be less than 40%): (Ex: 56% is the total value of the contract.)				_____ %
	Legal Name of Subcontractor/Supplier (including "doing business as", if applicable).	Address of Office Location to Perform Project Work or Provide Supplies. (Only Local firms will be counted for SMWB credit):	Scope of Work/Supplies to be Performed/Provided by Firm:	Estimated Contract (dollar) Amount on this Project:	Certification Type & Agency. (Only SCTRCA or HUB certifications are recognized):

- Liquidated damages will be assessed at **\$950.00 per day**



# Bid Packet Preparation

- Only limited items are required with the initial bid packet
  - List of Bid Items
  - Bid Packet Checklist
  - Signed Bid Proposal Signature Page with:
    - Acknowledgement of all addendums
    - Executive Order
  - Signed Proposal Certification
  - Bid Bond
  - Good Faith Effort Plan

# Bid Packet Preparation

## Apparent Low Bidder

- Notified by SAWS within 24 hours of Bid Opening to provide the following:
  - Conflict of Interest Questionnaire - Form CIQ
  - Proof of Insurability
  - Company Information Packet
  - Statement regarding ability to complete the project
  - W-9
  - Schedule of Manufacturers and Suppliers
  - Statement of Bidder's Experience
  - Detailed baseline schedule (Use NTP of November 14, 2023)
- \* And, if bid was submitted electronically without a Bid Bond:
  - Cashier's Check or Certified Check

# Bid Packet Preparation

- Utilize the Bid Packet Checklist within the specifications
- Double check all mathematical calculations and verify all extensions
- Ensure Mobilization & Prep ROW Line Item does not exceed the percentage allowed
- Addendums are acknowledged on the Bid Proposal
  - Check the SAWS website regularly for addendum postings
  - It is possible to have multiple addendums
  - Known changes for addendums:
    - Addendum I posted to correct Hartbeat Newspaper article
    - Response to questions submitted

# Bid Packet Preparation

## Statement of Bidders Experience

- Bidder shall ensure that the three (3) projects submitted on the Statement of Bidder's Experience forms:
  - Contain new construction or rehabilitation for facilities of similar size, scope, and complexity as indicated on the forms
  - A-1 and A-2 are completed by the Prime Contractor within the last 15 years
  - A-3 are completed by the Prime Contractor or Sub Contractor
    - Completed within the last 15 years
  - Owner references (entity bidder contracted with)
- Verified up-to-date contact information for the Owner reference
- Failure to complete the form properly may result in the bid being found non-responsive

# Bid Opening Procedures

- Bids will be submitted using SAWS' electronic bid opening procedures
- Submission of electronic bids preferred using SAWS secure FTP site.
  - Submit a request via email at least 24 hours before bid opening
- Or, Bidders may drop off a hard copy bid. Only required items.
  - Drop box is located at 2800 US Hwy 281 N, Customer Service Tower
    - Enter the first set of glass double doors
    - Insert into the black drop box on the wall on the left-hand side
- Late bids will not be accepted and will be returned unopened.
- Bid Opening will be handled via WebEx only; link found in IFB

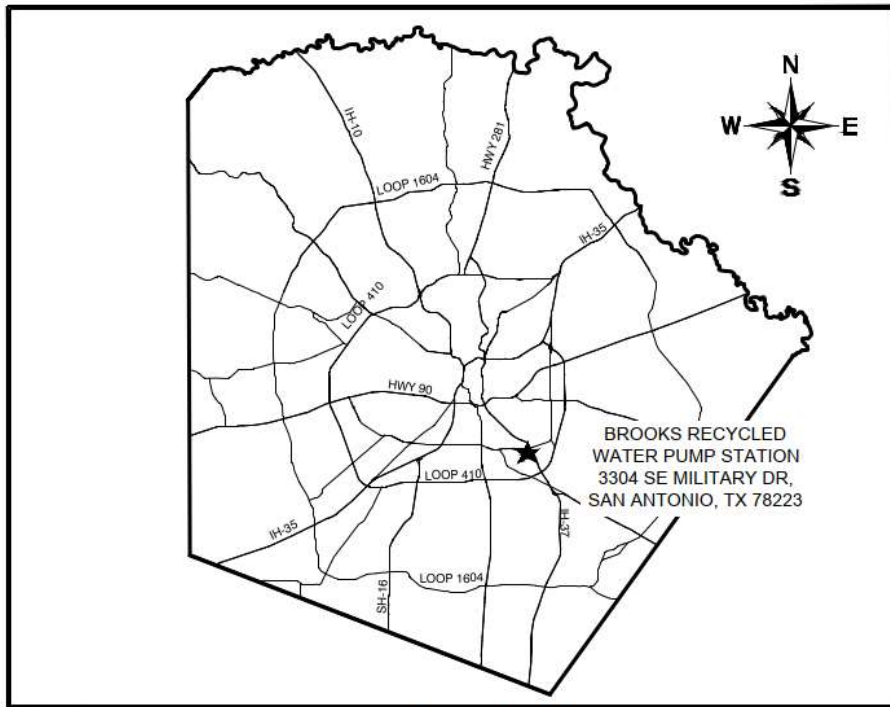
# Contact Information

Contact Name	Title	Telephone Number	Email address
Janie M. Powell	Contract Administrator	210-233-2443	<a href="mailto:Janie.Powell@saws.org">Janie.Powell@saws.org</a>
Susan Rodriquez	Interim SMWB Program Manager	210-233-3070	<a href="mailto:Susan.Rodriquez@saws.org">Susan.Rodriquez@saws.org</a>

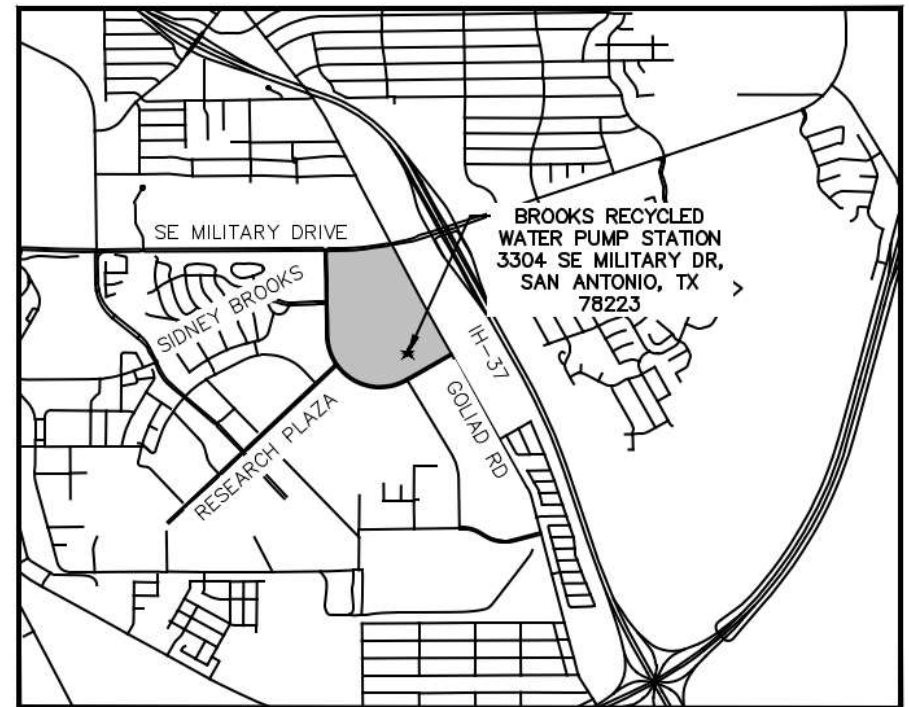
Brooks Recycled Water Pump Station Upgrades Project



# Project Location



**LOCATION MAP**  
SCALE: NTS



**SITE MAP**  
SCALE: NTS

Brooks Recycled Water Pump Station Upgrades Project



# Project Overview

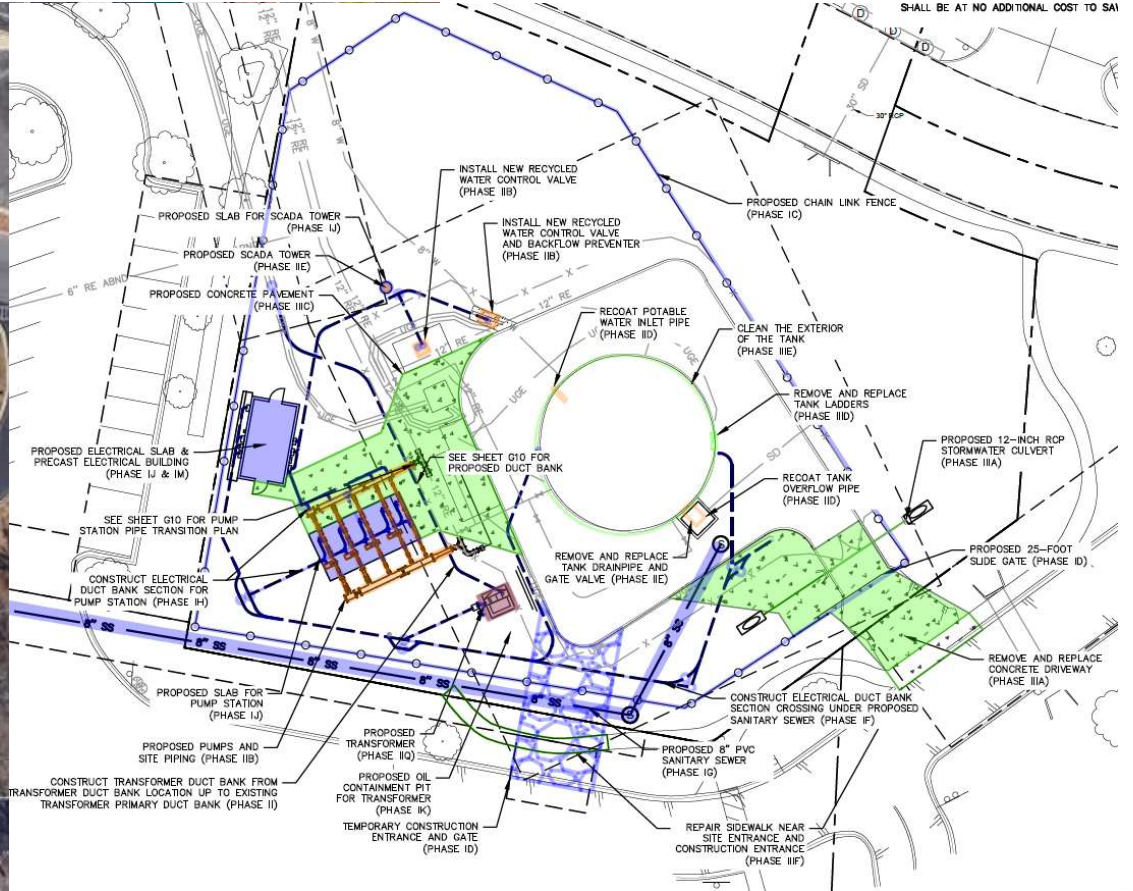
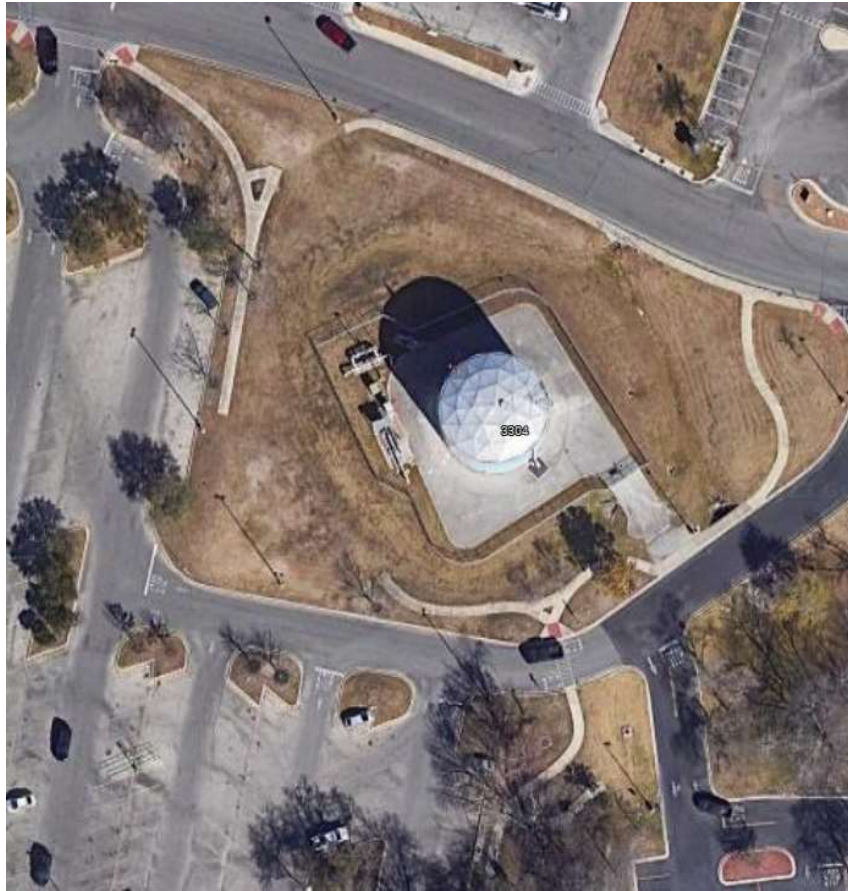
- The project consists of:
  - Demolition of existing pumps, tank ladders, existing fencing, existing driveway, and culvert
  - Install four horizontal split-case centrifugal pumps and one vertical multistage pump, along with associated piping, valves, and other appurtenances
  - Improve ground storage tank, including new tank ladders, vandal guard, and recoating tank drainpipe and potable water supply pipe
  - Provide new electrical equipment, in accordance with NEC codes, conductors to MCC's, low and medium voltage wiring and SCADA controls



## Project Overview (cont.)

- Construct precast building to house electrical equipment
- Upgrade PLC hardware and programming
- Install radio antenna on SCADA tower for SAWS IS communication system
- Grading, fencing, paving, drainage structures, and other miscellaneous yard piping site work as shown in plans
- All miscellaneous improvements for a complete in-place facility including yard maintenance and site security requirements

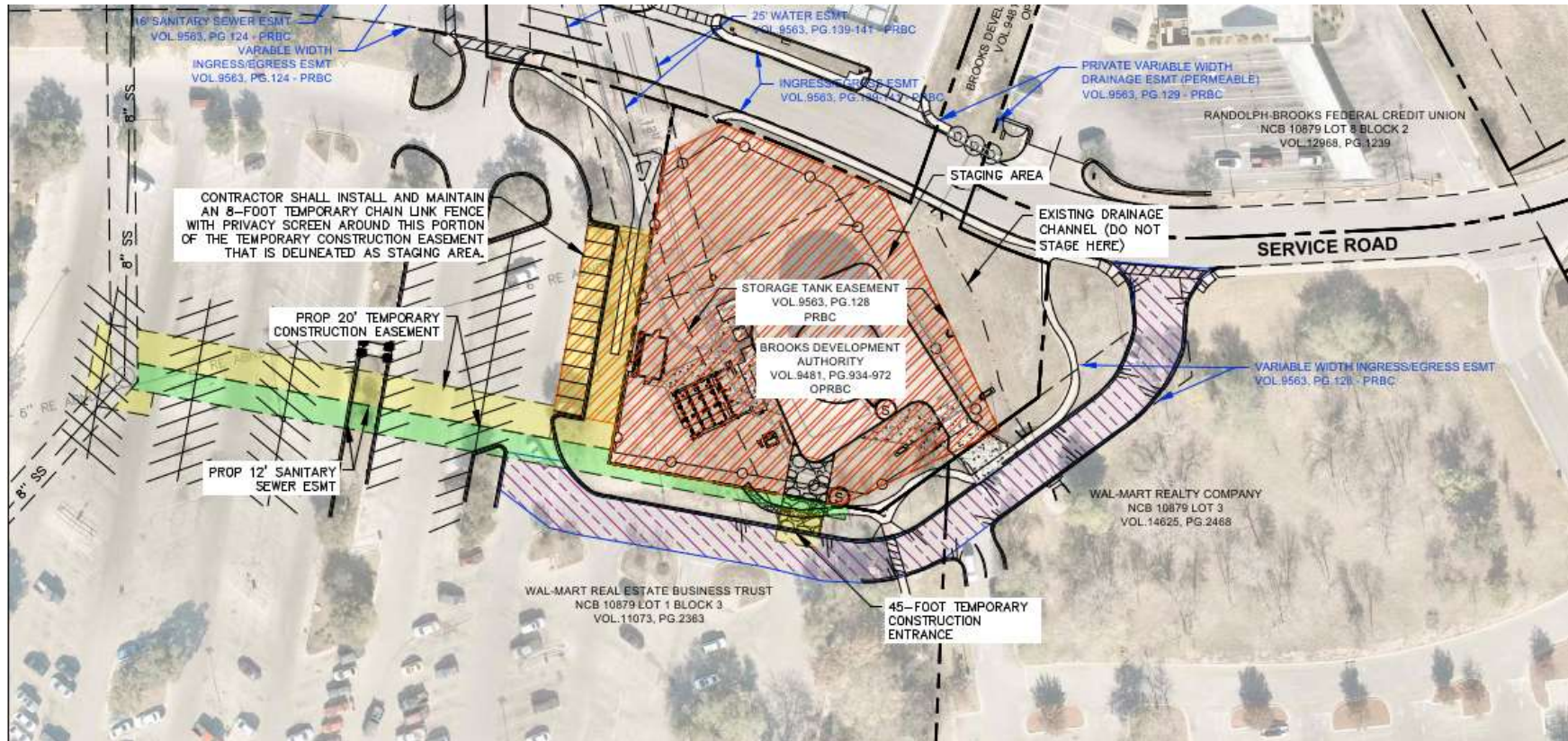
# Site Plan – Brooks



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# Staging Plan

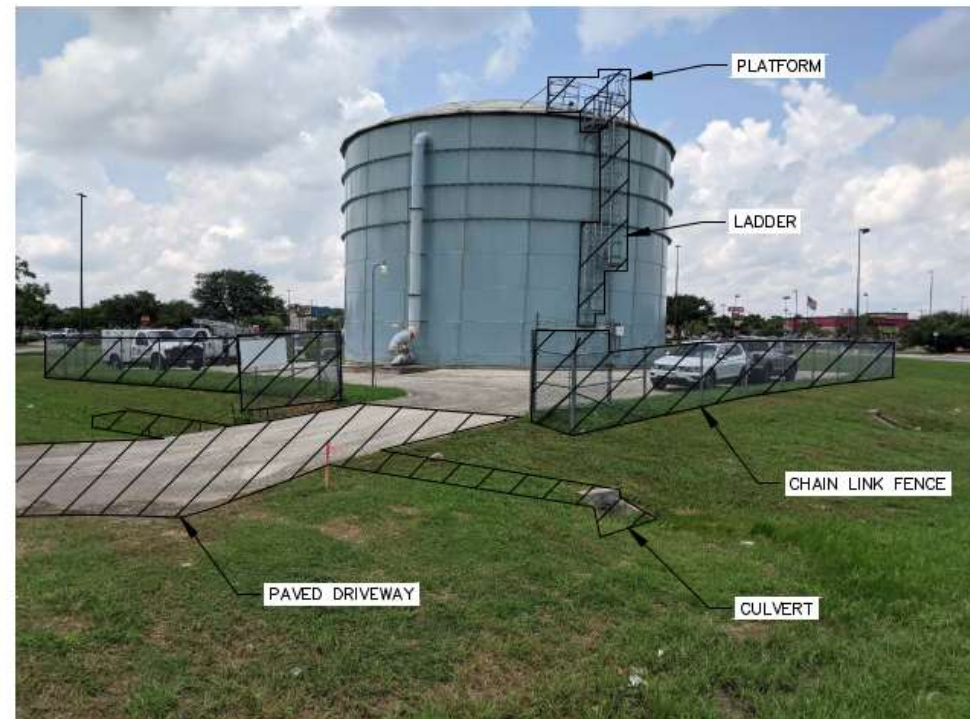


Brooks Recycled Water Pump Station Upgrades Project





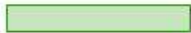
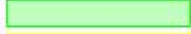


# GST Improvements

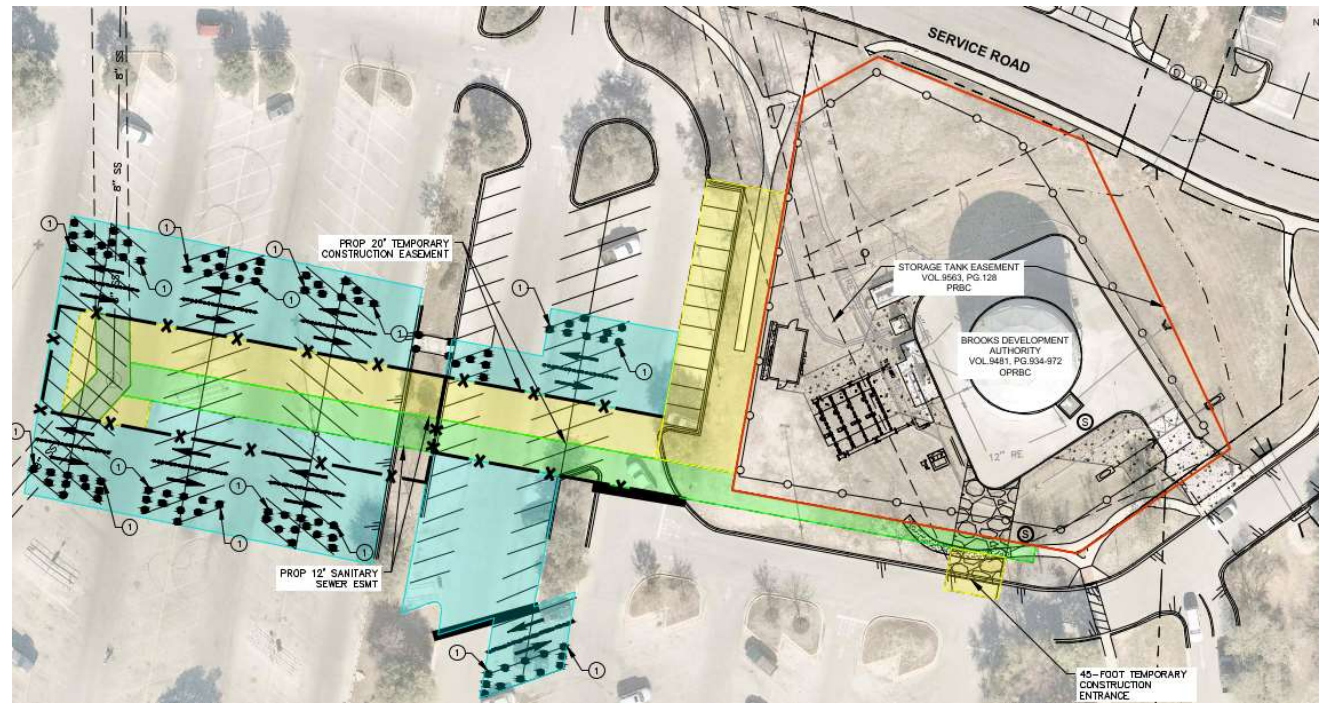
- Replace platform
- Replace ladder and install vandal guard
- Recoat overflow and potable water fill lines
- Clean, reseal, and touch-up the tank exterior



# Sewer Improvements

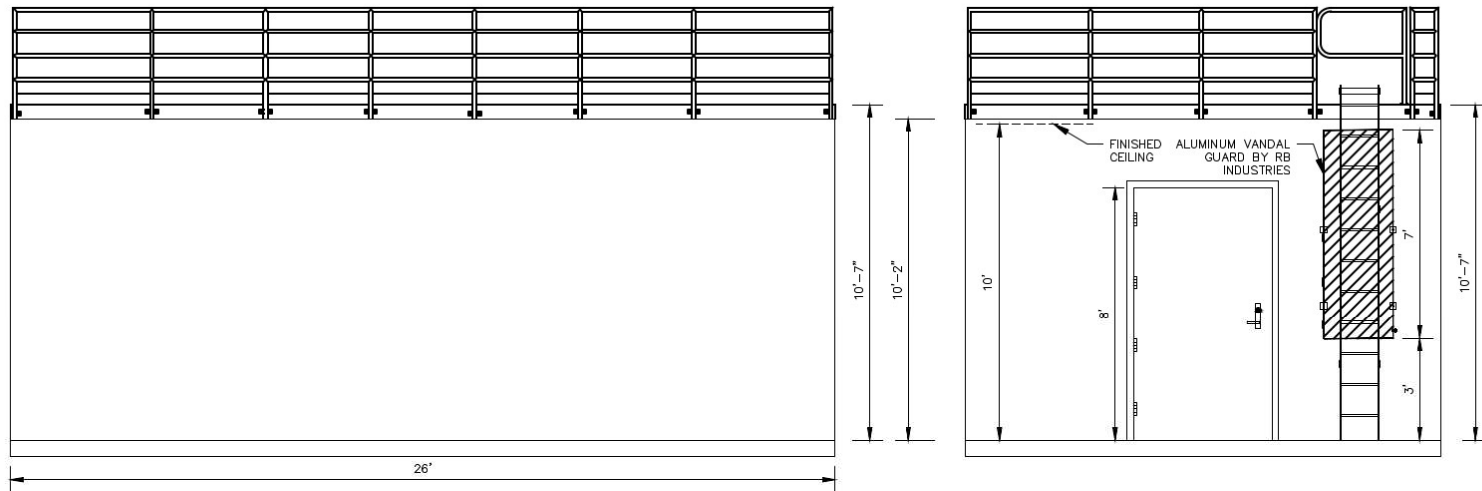
- Install 496 LF of 8" PVC Sewer Line
- Significant traffic control required in Walmart parking lot

	PLASTIC DRUM
	TRAFFIC BUTTONS (TXDOT DMS-4300)(YELLOW) (2' SPACING)
	EXISTING PERMANENT EASEMENT
	PROPOSED PERMANENT EASEMENT
	PROPOSED TEMPORARY CONSTRUCTION EASEMENT
	TRAFFIC CONTROL AREA



# Electrical Building

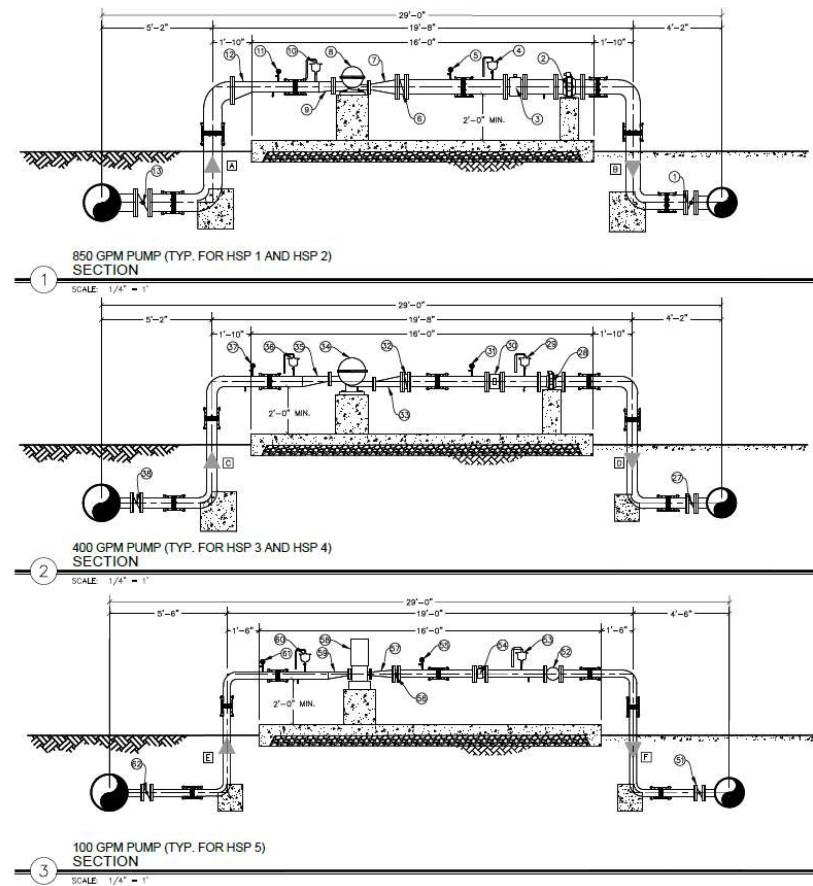
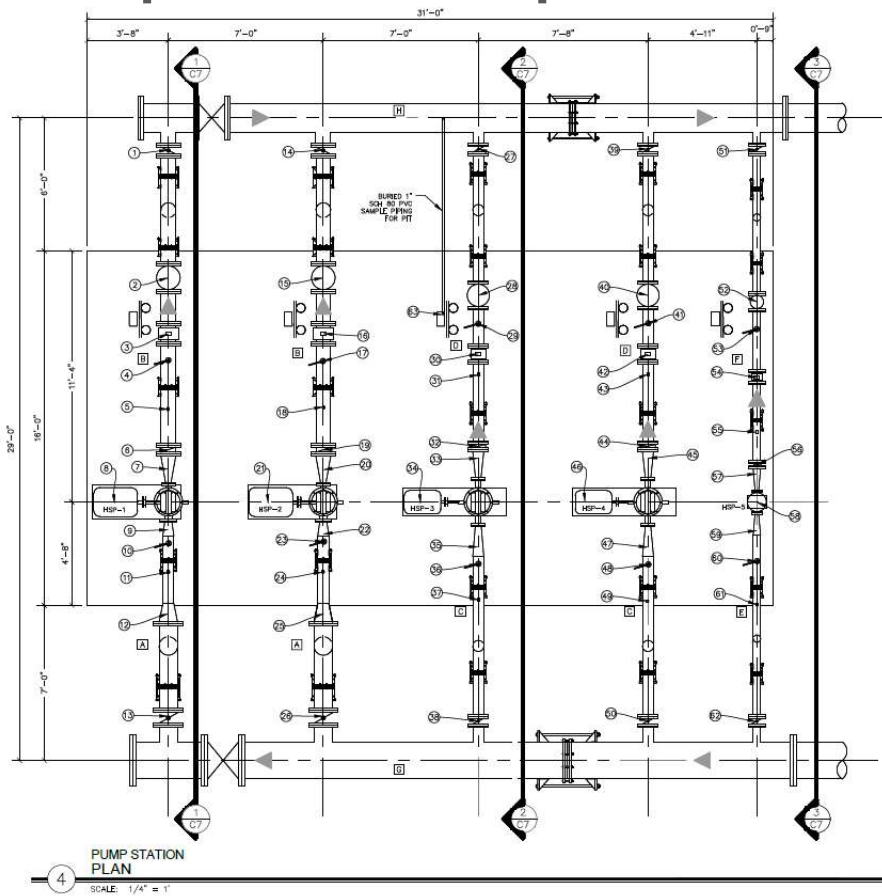
- Precast, transportable, climate-controlled electrical building
- Long lead time, coordinate in advance



1  
ELECTRICAL BUILDING  
ELEVATION - WEST WALL  
NOT TO SCALE

2  
ELECTRICAL BUILDING  
ELEVATION - SOUTH WALL  
NOT TO SCALE

# Proposed Pump Station



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# Electrical Demolition

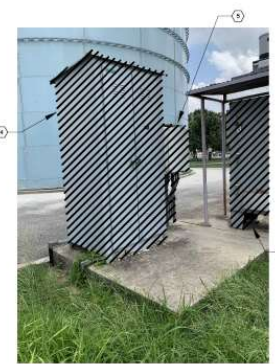
- Removal of existing:
  - Skid control panel/instruments
  - VFD panels, associated conduits, and cabling
  - Motor control center, associated conduits and cabling
  - PLC panel, associated conduits and cabling
  - Radio pole, antenna, associated conduits, cabling, and site lighting
  - CPS transformer and meter station



A EXISTING SKID CONTROL PANEL AND INSTRUMENTATION  
SCALE: NTS



B EXISTING SKID VFD AND TRANSFORMERS  
SCALE: NTS



C EXISTING MCC AND PLC PANEL  
SCALE: NTS



D EXISTING TRANSFORMER, SITE LIGHTING, AND RADIO  
SCALE: NTS



E EXISTING TANK LEVEL INSTRUMENT  
SCALE: NTS



F EXISTING ENTRANCE LIGHT POLE  
SCALE: NTS



# Electrical Improvements

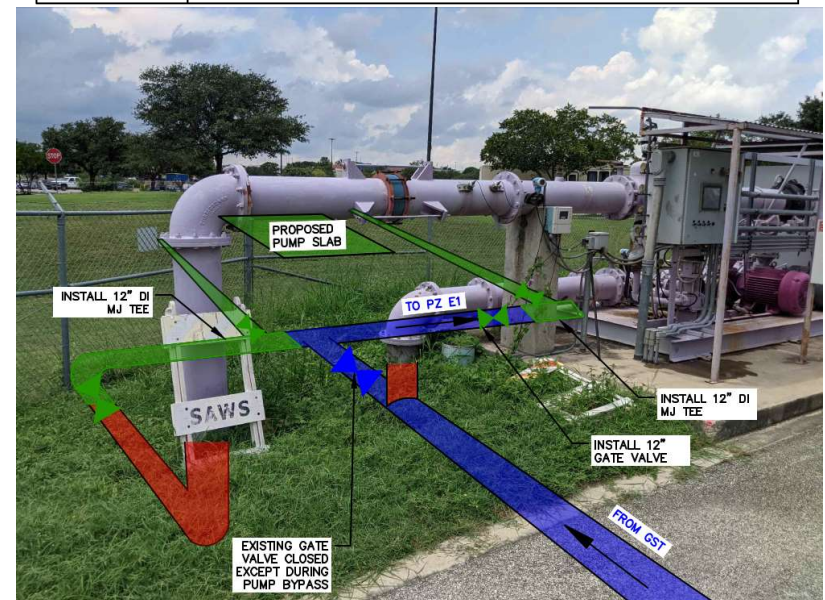
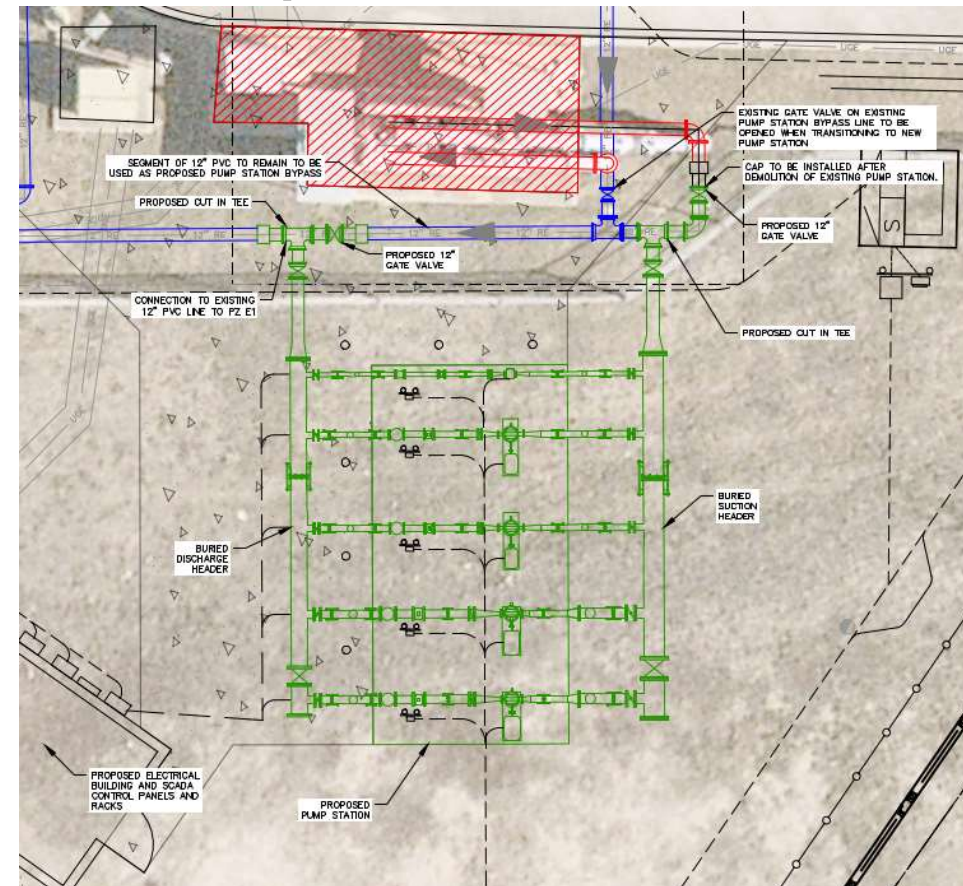
- Provide new electrical equipment, in accordance with NEC codes, conductors to MCC's, low and medium voltage wiring and SCADA controls
- Install VFD's for all new pumps
- Upgrade PLC hardware and programming
- Install radio antenna on SCADA tower for SAWS IS communication system
- Install lighting and security systems
- Coordination with CPS Energy for new transformer installation
- Long lead times, coordinate proactively with vendors

# Construction Sequencing

- Phase I
  - Site prep and grading.
  - Construct sanitary sewer.
  - Construct duct bank.
  - Construct all slabs.
  - Construct electrical building.
- Phase 2
  - Install and test pumps, piping, valves, electrical equipment, etc.
  - Drain tank and perform GST improvements that require tank draining.
- CPS install new transformer & transition service (see next slide)
- Demo existing power & PLC panels and their pads.
- Demo existing pump station.
- Phase 3
  - Remove and replace driveway & culvert.
  - Pave site and finish site work.
  - Perform exterior GST improvements.
  - Demobilize

# Pump Station Transition

PHASE 1	(A) INSTALL NEW PUMP STATION & PIPING
PHASE 2	(A) POWER DOWN EXISTING PUMP STATION. (B) CONNECT NEW SUCTION AND DISCHARGE HEADERS TO EXISTING 12" EFFLUENT LINE. (C) CONNECT NEW PUMP STATION ON BOTH ENDS
PHASE 3	(A) OPEN EXISTING GATE VALVE ON 12" PIPE FROM TANK (B) TEST NEW PUMP STATION (C) POWER DOWN NEW PUMP STATION
PHASE 4	(A) PLUG & DISCONNECT EXISTING PUMP STATION ON BOTH ENDS (B) POWER ON NEW PUMP STATION (C) REMOVE EXISTING PUMP STATION AND DISCONNECT PIPING



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## Special Inspections

- The Owner or the Consultant may require special inspection, testing or approval of material or Work for determining compliance with the requirements of the Contract Documents. Upon Owner-authorized direction of the Consultant, the Contractor shall promptly arrange for such special testing, inspection or approval procedure. Should the material or Work fail to comply with the requirements of the Contract Documents, the Contractor shall bear all costs of the special testing, inspection or approval as well as the cost of replacement of any unsatisfactory material or Work as provided by Article 5.10, otherwise, should the Work prove not defective, the Owner shall bear such costs and an appropriate Change Order shall be issued.

# Special Conditions

- SCI – Geotechnical Data:
  - A Geotechnical Data Report has been developed by SAWS on this project and has been made available for Contractors for informational purposes
  - SAWS requires the execution of a SAWS disclaimer form by the contractor as a condition of and prior to the release of the report
  - Complete disclaimer form at the following link:  
[https://apps.saws.org/business\\_center/ContractSol/Drill.cfm?id=4260&View=Yes](https://apps.saws.org/business_center/ContractSol/Drill.cfm?id=4260&View=Yes)

# Special Conditions

- SC3 – Construction Phasing and Sequencing:
  - The contractor may follow the proposed construction sequencing in the contract documents
  - If contractor plan is different than proposed the contractor shall submit an alternative sequence of construction in writing to SAWS Construction Inspector for approval
  - It is the Contractor's responsibility to provide sufficient work force, materials, and equipment to complete work in accordance with the contract duration

# Special Conditions

- SC4 – Permits:
  - SAWS will obtain the City of San Antonio (CoSA) Floodplain Development Permit, Site Work Permit, and CoSA Tree Permit
  - All other permits will be the responsibility of the Contractor including, but not limited to, the CoSA ROW permit and TCEQ Stormwater Permit

# Special Conditions

- SC7 – Service Road:
  - The Contractor shall always maintain the road north of the project site, known as the service road, with clean and clear access throughout the duration of construction
- SC8 – Public Relations:
  - The contractor shall direct all questions from the public or media to the owner, and the owner will coordinate with the public relations contact to provide a response



# Special Conditions

- SC9 – Easements:

The working space is limited to the pump station property, sewer easements, and temporary construction easements as shown in drawings. SAWWS has acquired the easements shown in the project.

- All work associated with sanitary sewer installation, including pavement repair and final cleanup within parking lot area shall be completed by October 15, 2024
- No work associated with the sanitary sewer installation shall occur between November 1st and January 31<sup>st</sup>
- Additional requirements as noted in the specifications

# Special Conditions

- SC9 – Easements:
  - “Staging Area” available for contractor use through duration of project. Equipment to be removed from Staging Area two days prior to and after Thanksgiving and Christmas
  - “Temporary Construction Entrance available for contractor use through duration of project.
- SC10 – Site Restoration

Contractor is responsible for protecting existing features during construction and shall restore all disturbed areas within the limits of construction and the existing/acquired easements.

# Special Conditions

- SC II – Coordination with CPS for New/Proposed Service:
  - The Contractor shall coordinate with CPS Energy to provide all labor, supervision, tools, equipment, and materials necessary to install a new service to the pump station site as required to complete the work
  - No contract days will be added due to delays
  - An allowance shall reimburse the Contractor for direct fees incurred for installing a new service to the pump station site

# Special Conditions

- SC12 – Re-establishment of Shade Trees
  - Contractor shall replace the three removed trees as indicated in plans.
  - Contractor shall coordinate with the property owner four weeks in advance to test the existing irrigation system for use by the property owner to establish trees.
  - Labor and Material for this work shall be included in the cost for Item 2 – Site Improvements of the bid proposal.

# Allowances

- Permitting Allowance: \$20,000
  - Allowance for all labor, materials, and incidentals needed to obtain all necessary permits including review fees
  - All requests to use allowance will be made by contractor and approved in advance by Owner and Engineer
- CPS Energy Allowance: \$20,000
  - Allowance for payment to CPS Energy for work associated with the removal of existing and installation new CPS Energy infrastructure
  - All requests to use allowance will be made by contractor and approved in advance by Owner and Engineer; Payment based on CPS Invoices provided by Contractor

# Allowances

- Additional Site Area Improvements Allowance: \$5,000
  - Allowance for costs associated with establishing and watering the planted trees if requested by the Owner.
  - All requests to use allowance will be made by contractor and approved in advance by Owner and Engineer.

## Questions

- Questions are due no later than September 20, 2023 by 4:00 PM (CDT)
- All questions should be sent in writing to Janie Powell by email [Janie.Powell@saws.org](mailto:Janie.Powell@saws.org) or fax, 210-233-5351
- Please identify the project by its associated solicitation number. (CO-00687)

# QUESTIONS?

Brooks Recycled Water Pump Station Upgrades Project





# Brooks Recycled Water Pump Station Upgrades Project CO-00687

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Project Engineer, Plants and Major Projects

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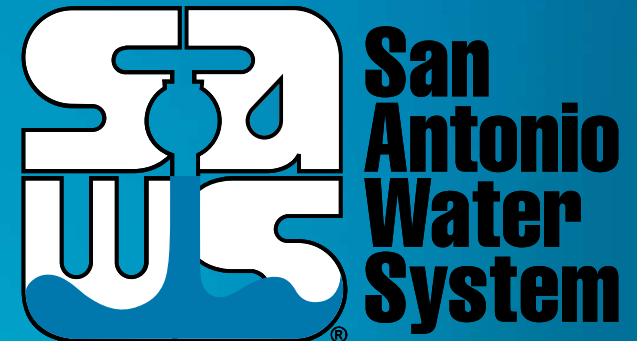
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Non-Mandatory Pre-Bid Meeting

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MAKING SAN ANTONIO  
**WATERFUL**

The 'Waterful' logo graphic, which includes a small blue glass filled with water, positioned between the letters 'R' and 'F' of the word 'WATERFUL'. The background of the entire slide features a cross-section of the ground showing several blue pipes and valves, representing the water infrastructure project.

# Special Conditions

- SC2 – Communication Protocol:
  - All communication from the SAWS Construction Inspector to the Contractor shall be through the Contractor's Project Manager and/or Superintendent
  - Communication to/from the Contractor's subcontractors shall be routed to SAWS Construction Inspector through the Contractor
  - Contact information for Owner's Constructor Inspector and the contractor will be provided at the pre-construction conference

# Special Conditions

- SC5 – Work Restrictions:
  - The Contractor shall coordinate the work schedule with SAWS Inspector and coordinate all work aspects with SAWS Inspector and plant staff as stated in contract documents
- SC6 – Contractor Staging Area:
  - The Contractor shall not store any materials or park vehicles on any privately owned (i.e., Wal-Mart, etc.) land under any circumstances, except for those on easements or rights of entry herein provided by SAWS, without landowners written consent
  - Landowner consent shall be submitted to SAWS in accordance with the General Conditions

# Special Conditions

- SC9 – Easements (cont.):
  - The temporary construction easement designated in the Plans as “Staging Area” shall be available for the Contractor’s use for the Contract Duration identified in these Contract Documents.
  - Trench materials and excavated soils shall be contained within the acquired temporary construction easement and transported offsite daily. No trench materials or excavated soils shall be stored in the temporary construction easement overnight.

# Special Conditions

- SC9 – Easements (cont.):
  - Other than the SAWS property and easements indicated in the Contract Documents, no designated Storage and Staging Area has been secured by SAWS for the Contractor's use. This does not preclude the Contractor from securing the use of property for this purpose, provided the use of such property is in conformance with the requirements of all local, state, and federal requirements. The Contractor's storage and staging areas shall be fenced, screened, secured, and maintained in a neat, clean, dust free, and sanitary condition at all times. Any stockpiled construction materials subject to erosion (dirt, gravel, sand, etc.) shall be covered, sandbagged, or otherwise protected with erosion control measures to prevent erosion and tracking such material onto adjacent streets, inlets, or drains at no additional cost to SAWS. No material shall be stored within the 100-year floodplain. A copy of the agreement between the Contractor and Property Owner should be provided to SAWS and uploaded to CPMS.

## Special Conditions

- SC9 – Easements (cont.):
  - Temporary off-site storage of equipment and materials may be necessary; areas for storage of such equipment shall be coordinated by the Contractor prior to placement of such equipment/material. A copy of the staging area agreement shall be provided to SAWS.

# Special Conditions

- SCI0 – Site Restoration

- The contractor is responsible for protecting existing features during construction.
- Any above/below ground features and/or infrastructure damaged by the contractor shall be repaired, restored, or replaced to equal or better conditions at no additional cost to SAWWS.
- Contractor is responsible for restoration of all disturbed areas within limits of construction and existing/acquired easements.