

# Lift Stations Rehabilitation – Phase 5 Project

Ila E. Drzymala, Ph.D. PE

Sr. Project Engineer, SAWS

Janie M. Powell

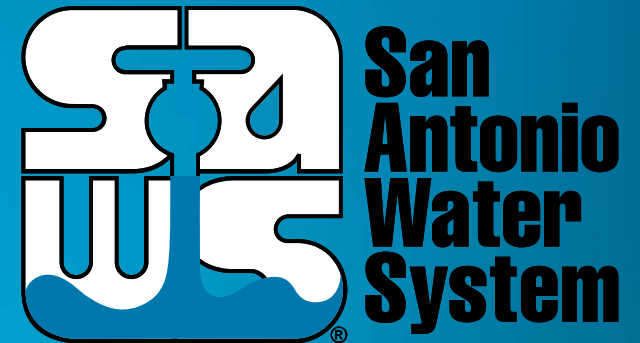
Contract Administrator, SAWS

Marisol V. Robles

SMWVB Program Manager, SAWS

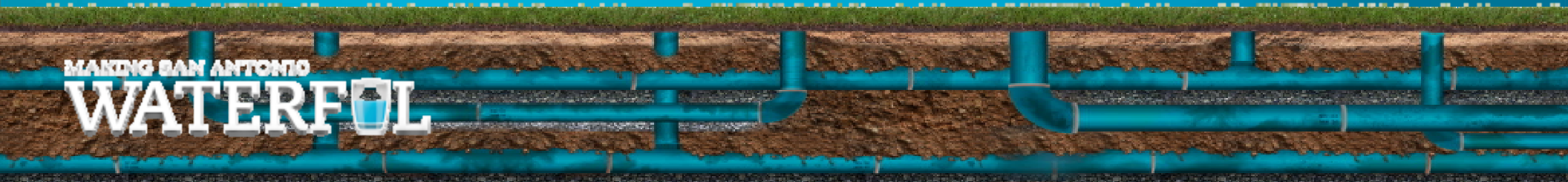
Abdel Hamed, PE

Project Engineer of Record, BGE



Non-Mandatory Pre-Proposal Meeting  
May 13, 2020 at 2:00PM

MAKING SAN ANTONIO  
**WATERFUL**



# WebEx Meeting Information

- With the switch to an online WebEx meeting, attendees can:
  - Access the presentation thru the WebEx link to follow along real-time
  - Access via phone and follow along with the PowerPoint posted on the SAWS web at: [https://apps.saws.org/business\\_center/contractsol](https://apps.saws.org/business_center/contractsol)
  - Use the chat feature to ask questions, or
  - Ask questions through email to [Janie.Powell@saws.org](mailto:Janie.Powell@saws.org)
    - ✓ SAWS will read questions aloud
- Please mute your devices during the meeting

# 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

# Meeting Agenda

- Project Overview
- Key Project Information
- SMWB
- Contract Requirements
- Evaluation Process
- Required Experience
- Proposal Packet Preparation
- Evaluation Criteria
- Additional Reminders
- Communication Reminders
- Key Dates
- Submission Due Date
- Project Overview
- Questions

## Project Overview

- The project will consist of lift station modifications and related demolition at fifteen (15) separate existing sanitary sewer lift station sites throughout San Antonio, TX
- Contract duration is 775 calendar days
- Construction cost estimate is approximately **\$9,933,508.20**

## Key Project Information

- Procured under Chapter 2269 of Texas Government Code as a Request for Competitive Sealed Proposals (RFCSP)
- EPA Consent Decree project, which requires additional reporting and retention of documents (see Special Conditions)
- Geotechnical Data Report and Lead Reports are available on the SAWS' website with execution of a disclaimer

## Small, Minority, and Woman-owned Business (SMWB)

Industry	Aspirational SMWB Goal
Construction	20%

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

# SMWB Scoring: SIR 11 & 12

## Proposed SAWS Construction Alternative Delivery Method SMWB Scoring:

All respondents may earn the maximum number of SMWB points (10 points). Firms may use any combination of points below when attempting to meet the SMWB goals. Self-performance and subcontracting may be used to achieve the aspirational goals and earn points. SMWB prime contractors and/or subcontractors must be certified by the South Central Texas Regional Certification Agency, and must have a local presence in the San Antonio Metropolitan Statistical Area in order to be eligible for SMWB points.

### 1. M/WBE Scoring Method: 10 Points (By percentage) 20.00% M/WBE Goal

- MBE Participation Percentage between 1% and 4.99%: 1 Point
- MBE Participation Percentage between 5% and 9.99%: 2 Points
- MBE Participation Percentage between 10% and 14.99%: 4 Points
- MBE Participation Percentage between 15% and 16.99%: 5 Points
- MBE Participation Percentage between 17% and 19.99%: 8 Points
- MBE Participation Percentage meeting or exceeding 20.00%: 10 Points

### 2. SBE (Non-M/WBE) Scoring Method: 5 Points (By percentage) 5% SBE Goal

- SBE Participation Percentage between 1% and 1.99%: 1 Point
- SBE Participation Percentage between 2% and 2.99%: 2 Points
- SBE Participation Percentage between 3% and 3.99%: 3 Points
- SBE Participation Percentage between 4% and 4.99%: 4 Points
- SBE Participation Percentage meeting or exceeding 5.00%: 5 Points



# 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 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 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 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.

## Accepted SMWB Certification Agency

- **South Central Texas Regional Certification Agency**

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

### Minimum Qualifications for SMWB recognition:

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

# 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>



Lift Stations Rehabilitation – Phase 5 Project



# 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 – Found in Section 5.7 of the General Conditions
  - Include General Liability for Construction, Pollution Liability, Excess Liability and Installation Floater (in lieu of Builder's Risk)
  - Selected contractor must be compliant with all other contracts in order for SAWWS to award the contract
  - SAWWS 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

# Contract Requirements

- Supplemental Conditions
  - Contractor shall perform the Work with its own organization on at least 40% of the total original contract price confirmed in the GFEP
  - Liquidated Damages will be assessed at \$825.00 per day

# 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 SMWB will be added to final scores
- Selection Evaluation Committee reviews final scores and recommends firm
- Negotiations, if any
- Board award

# Required Experience

- Respondents should clearly demonstrate that constructing new lift stations, making improvements to existing lift station facilities, and rehabilitating and upgrading lift stations is a primary business focus and service, and such services have been successfully provided for at least five (5) continuous years
- Minimum experience requirements are as follows:
  - Doing work within military installations
  - Experience coordinating with military installations and multiple stakeholders
  - Ability to obtain required security clearances to gain access to military installations
  - Familiarity with working in US EPA Consent Decree projects with critical deadlines and accelerated schedules
  - Complex sequencing of construction activities concurrently across multiple sites
  - Managing sewer bypass pumping system and controlling sewer flows for active infrastructure, pipeline, and lift stations
  - Demolition of facilities containing lead-based paint and asbestos and handling contaminated soils and waters



# Proposal Packet Preparation

- Request FTP Site for proposal upload
- Proposal page limits do apply; reference Supplementary Instructions to Respondents for required forms that do not count
- Thoroughly review both the Instructions to Respondents and Supplementary Instructions to Respondents
- Utilize the Proposal Response Checklist
  - 3 files required for electronic submittal
  - Follow file naming convention
- Utilize Provided Evaluation Criteria Forms

Lift Stations Rehabilitation – Phase 5

SAWS Job No. 16-2502  
Solicitation No. CO-00431

## 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 Respondent's 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, 2020.  
*(Provide answer here)*

EV-1

# Proposal Packet Preparation

- Required Experience
  - Entire proposal should create a clear picture of Project Team experience and capabilities (Org chart, projects, and resumes for Key Personnel and Key Subcontractors)
  - Show constructing new lift stations, making improvements to existing lift station facilities, and rehabilitating and upgrading lift stations, such services successful for at a minimum of 5 continuous years
- Thoroughly review scope and ensure project examples and key personnel resumes clearly show similar experience
- Thoroughly review evaluation criteria and respond with all required information to maximize points
- Avoid “boilerplate” responses

# Proposal Packet Preparation

- Verify contact information for all project references, if SAWS is not able 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.)
- Price Proposal
  - Acknowledge Addendums on Proposal Signature Page
  - Verify all formula extensions and mob and prep of ROW

# Evaluation Criteria

Criteria	Weight	Page No.
Team Qualifications and Experience	20%	SIR-4
Quality, Reputation, and Ability to Deliver Projects on Schedule and within Budget	20%	SIR-6
Project Approach, Schedule and Availability	15%	SIR-8
Price	35%	SIR-10
Small, Minority, and Woman-owned Business Participation	10%	SIR-10
<b>TOTAL</b>	<b>100%</b>	

# Team Qualifications and Experience (20 pts)

- Organizational Structure and Information on Prime Contractor
  - Company information (structure, debarment history, litigation / arbitration / claims history for the last three (3) years, number of employees, previous legal business names, number of years business has done construction work, etc.)
  - Financial statement within the last 3 years by independent CPA
  - Proposed Team Structure and Key Personnel Roles and Responsibilities (Org. Chart, clear description of proposed team, identify Key Subcontractor(s) and their role(s), teaming history and (if no teaming history) proposed approach for ensuring successful completion of the Project)

# Team Qualifications and Experience

- Qualifications and Experience of proposed Key Personnel
  - Resumes of Key Personnel on 8 1/2" x 11", one per person, not to exceed one (1) page as identified on the Org. Chart
    - Professional experience, education, role, description of capabilities, etc.
    - List of all other active projects team member is assigned, percentage of time, date of completion of work
  - ✓ Key Personnel include PM, Project Superintendent, Project Scheduler, QC Manager, Safety Coordinator, Electrical PM, Electrical Superintendent, I&C PM, and I&C Superintendent
  - ✓ Key Subcontractor roles could be electrical and instrumentation & controls services

## Quality, Reputation and Ability to Deliver Projects (20 pts)

- 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
  - Owner reference contact information should be valid and recently verified
    - If valid contact information is not provided, score or proposal may be negatively impacted
  - 2 of the 4 projects listed must have been performed by the proposed Key Personnel
  - 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 new construction, improvement, upgrades, and rehabilitation of lift station facility projects performed in the last 5 years for all Utility Owners in TX

## Quality, Reputation and Ability to Deliver Projects (20 pts)

- Key Subcontractor(s) Performance on Similar Projects in the Past 10 years
  - Provide list of 2 projects that identified Key Electrical Subcontractors' Project Manager and/or Project Superintendent participated in of similar size, scope, and complexity
  - Provide list of 2 projects that identified Key I&C Subcontractors' Project Manager and/or Project Superintendent participated in of similar size, scope, and complexity
  - If Prime plans to self-perform and has no Key Subcontractors, provide a list of 2 additional projects for each Key Sub role being replaced completed within the last 10 years
    - Key Personnel shall have participated in at least 1 of the 2 projects listed for each Key Sub role being replaced



# Project Approach, Schedule and Availability (15 pts)

- Project Approach
  - Narrative of Project Approach to complete project, including key milestones, specific critical processes and critical path items, phases and/or sequencing, permits, etc.
  - Describe approach of procurement of pumps, valves, wet wells, and other long-lead time equipment and/or devices
  - Provide innovative ideas for cost savings (due to a sequencing, method, or duration)
  - Explain approach for contact and coordination with key project stakeholders (Port SA and Joint Base San Antonio-Lackland)
  - Quality Management Plan including steps, safeguards, subcontractor oversight, QA/QC, etc.

# Project Approach, Schedule and Availability (15 pts)

- Project Schedule and Unforeseen Conditions
  - Critical path method (CPM) schedule Primavera or Microsoft project - Assume NTP of **August 23, 2021**
  - Explain how Respondent will complete the project within schedule taking into consideration existing commitments
  - Identify long-lead time items and critical path shop drawing submittals
  - Provide details for procurement and delivery of pumps, valves, wet wells, and other long-lead time equipment and devices
  - List and describe prior instances of unforeseen conditions
  - Approach for mitigating and managing unforeseen conditions on this project

# Project Approach, Schedule and Availability (15 pts)

- Availability of Key Personnel and Equipment
  - Describe availability of Key Personnel for Prime Contractor and Key Subcontractor(s)
  - Describe availability of equipment and facilities for this project
  - List available workforce for various disciplines required including the number of work crews, and number of personnel for each skill classification (per Org. Chart)

## Safety Information for Prime and Key Sub(s)

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

# Price (35 pts)

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

Proposal	Price	Calculation	Points Earned
A	\$12,325,600	$(8,755,625/12,325,600) \times 35$	24.86
B	\$11,885,450	$(8,755,625/11,885,450) \times 35$	25.78
C	\$8,755,625	$(8,755,625/8,755,625) \times 35$	35.00
D	\$10,990,500	$(8,755,625/10,990,500) \times 35$	27.88
E	\$9,560,325	$(8,755,625/9,560,325) \times 35$	32.05

## 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.

Subscribe

Lift Stations Rehabilitation – Phase 5 Project



# Communication Reminders

- There shall not be any communication with the following during the Proposal period:
  - ✓ Design Engineer (BGE)
  - ✓ 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

# Key Dates

- May 13, 2021 Non-Mandatory Pre-Proposal Meeting
- May 26, 2021 by 2:00 PM Questions Due
- June 4, 2021 by 5:00 PM Addendum Posted to SAWS Website
- June 11, 2021 by 2:00 PM Deadline to request FTP Site
- June 14, 2021 by 2:00 PM Proposals Due
- June 2021 Proposals Evaluated
- June/July 2021 Selected Contractor Notified
- August 2021 SAWS Board Approval and Award
- August 2021 NTP Issued



## Submission Due Date

- Proposals due no later than **2:00 PM CT June 14, 2021**
- **Electronic Proposals Only**
- Follow specific electronic proposal delivery instructions:
  - Request the FTP Site for Upload no later than June 11, 2021 at 2:00 PM
  - Follow naming convention provided in the Respondent Proposal Checklist for all 3 files
  - Late responses will not be accepted and will not be opened
  - A WebEx proposal opening meeting will be held on June 14, 2021 at 2:00 PM
- SAWS continues to monitor and adhere to the current COVID-19 guidelines and may modify the proposal submission instructions

# Questions

- Submitted no later than May 26, 2021 at 2:00 PM (CST)
- Identify solicitation number
- Must be submitted in writing:

**Janie M. Powell**

**Contract Administrator**

Contract Administration Department

San Antonio Water System

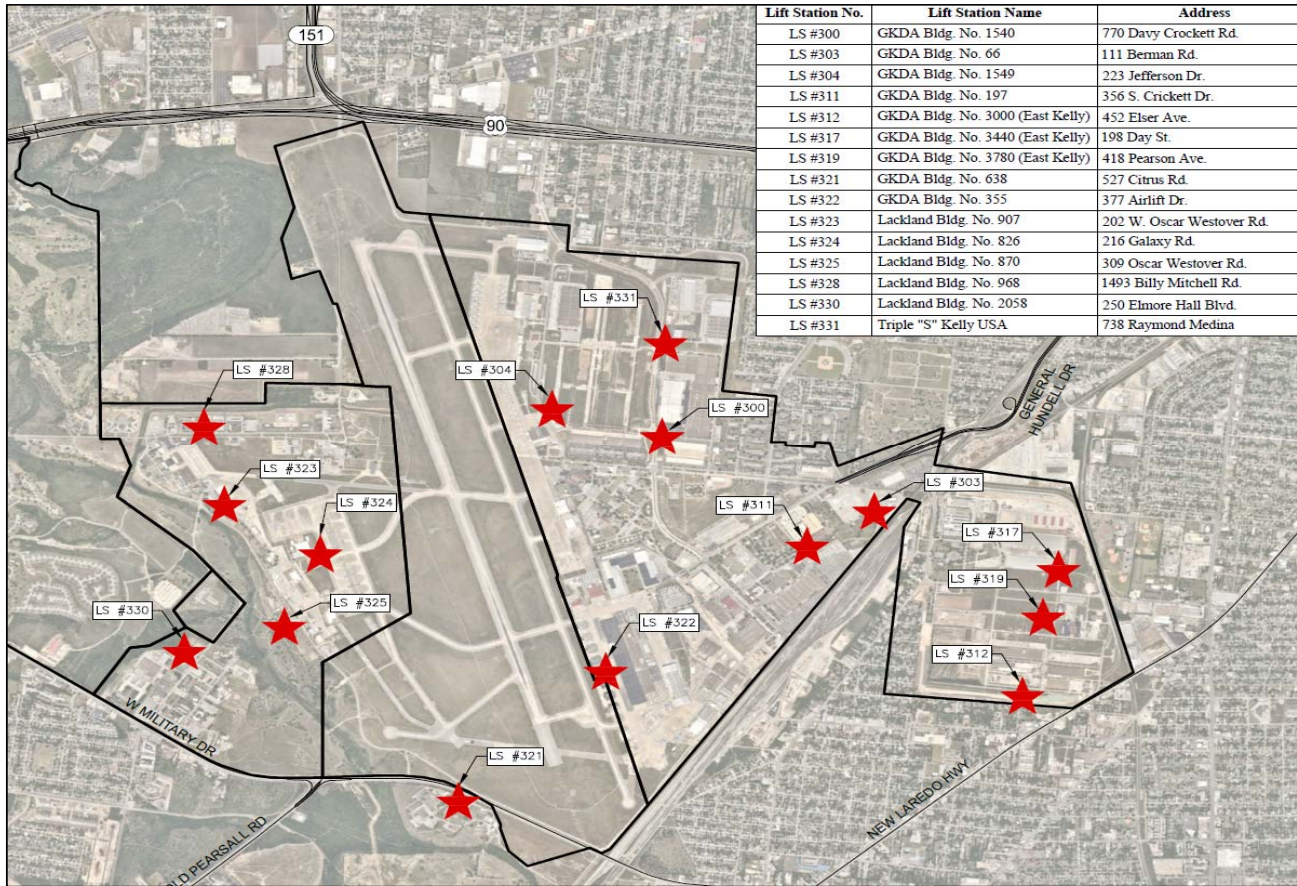
[Janie.Powell@saws.org](mailto:Janie.Powell@saws.org)

Fax: (210) 233-5351

# Project Overview

- Rehabilitation of fifteen (15) lift stations located at Port San Antonio (Port SA) and Joint Base San Antonio-Lackland (JBSA-Lackland) area
- Replacement of existing pumps, gravity pipes, and force mains as necessary
- Rehabilitation of existing wet wells or installation of new wet wells
- Protection of lift stations, if they are within the 100-year flood plain
- Demolition of old buildings and structures
- Removal of existing generators
- Installation of fencing and driveways
- Upgrades to electrical and instrumentation & controls equipment

# Location Map



Lift Stations Rehabilitation – Phase 5 Project



## Summary of Work

- Concrete top slab and watertight access hatch with safety grate, 316 SS goose neck vent, and piping slab
- Repair and coating of interior concrete surfaces within wet wells
- Coating and painting piping inside and outside wet well
- New submersible pumps complete with discharge connections
- Discharge piping, valves, fittings, emergency bypass connections, and pipe supports
- Pump control panel, submersible pressure transmitters, and float switches
- Electrical service for proposed submersible pump stations shall be either 277/480 volts, 3-phase, 4-wire or 120/208 volts, 3-phase, 4-wire

## Summary of Work

- SCADA control panel including PLC and all cellular communication hardware or fiber patch as required for sites
- Construction of driveways, site pavement, and fencing with disk lock
- Install new 6-ft FRP wet well at LS #304 complete in place
- Install new 6-in HDPE force main from the LS #300 site to a new 4-ft fiberglass drop manhole
- Slip-lining the existing 6-inch CI force main with a new 3-in HDPE force main at LS #322
- Electrical support racks with protective canopies and concrete pads shall be installed at all lift stations except LS #324 (canopy will not be allowed)

## LS #300

- Remove and dispose existing generator and equipment
- Remove and dispose existing brick wall and fence
- Proposed chain link fence to include slats
- Install new permanent water service and meter
- Install new 6-in HDPE force main and connect to proposed 4-ft FRP drop manhole



## LS #303

- Remove and dispose of existing building
- Existing building may contain lead-based paint and asbestos material
- Abandon and grout existing dry well
- Remove and dispose existing generator and equipment
- Install new permanent water service and meter
- Coordinate with CPS Energy to reroute overhead electric from wet well





## LS #304

- Remove and dispose existing building and wet well
- Existing building may contain lead-based paint and asbestos material
- Remove and dispose existing generator and equipment
- Install new 6-ft FRP wet well
- Install new permanent water service and meter
- Install two 18-in RCP storm drains under access driveway



## LS #3 I I

- Abandon and grout existing dry well
- Adjust existing discharge manhole to final grade
- Install new permanent water service and meter



# LS #312

- Install new site driveway/entrance from Fay Avenue
- Install new permanent water service and meter



## LS #317

- Remove and dispose existing building
- Existing building may contain lead-based paint and asbestos material
- Abandon and grout existing dry well
- Install new permanent water service and meter



# LS #319

- Abandon and grout existing dry well



## LS #32 I

- Remove and dispose existing generator and equipment
- Remove and dispose existing steel plate, steps, and all other accessories within wet well
- Located within the 100-yr floodplain
- Install concrete foundation for electrical equipment above floodplain elevation with concrete steps and galvanized steel handrails



## LS #322

- Remove and dispose existing generator and equipment
- Install new permanent water service and meter
- Slip-line existing 6-in CI force main with 3-in” HDPE force main
- Secured facility, site photos restricted

## LS #323

- Located within Lackland, no fence installation
- Remove and dispose existing generator and equipment
- Remove and dispose cone section of existing discharge manhole
- Install new manhole ring and cover within new concrete slab
- Install new permanent water service and meter
- Install removable bollards





# LS #324

- Located right off aircraft taxiway in Lackland
- No fence, area light, or canopy installations allowed
- Need to verify site pavement material prior to construction
- Secured facility, site photos restricted

## LS #325

- Located within 100-yr floodplain
- Demolish and remove existing gazebo
- Existing gazebo may contain lead-based paint and asbestos material
- Existing electrical panel and equipment located across road
- Access from ramp over storm drain
- Install new permanent water service and meter



# LS #328

- Remove and dispose existing buried isolation valve
- Remove and replant existing bush
- Existing fence to remain



# LS #330

- Abandon and grout existing dry well
- Existing fence to remain



# LS #33 I

- Remove and dispose of existing gravel
- Concrete pavement will be installed to match existing
- Existing fence to remain



# Contractor Responsibilities

- Secure all construction-related permits, other than those provided by Owner, and pay for the same
- Coordinate in advance construction activities associated with CPS Energy for any power requirements and Verizon Cellular for any communication requirements
- Provide temporary traffic control plans including barricades, signs, and traffic handling in accordance with Contract Documents
- Provide bypass pumping plans in accordance with SAWS Standard Specification Item No. 865
- Provide Operation and Maintenance (O&M) manuals for each lift station - A separate, stand-alone O&M manual shall be provided for each of the 15 subject lift stations
- Prepare, maintain, and implement a Storm Water Pollution Prevention Plan in accordance with Section 01501 of the Specifications
- Field verify dimensions and equipment shown on the drawings

# Special Conditions

- **No work shall commence without securing the necessary permits**
- Effective February 2021, SAWS is requiring all contractors to be fully responsible for filling out the required Joint Base San Antonio badge access forms
- CPS Energy Allowance for any fees associated with the electrical improvements and adjustments for the project
- Subsurface Utility Investigation and Relocation for Utility locate and depth verification to identify existing underground utilities and relocation of unforeseen underground utilities
- Contaminated Soil and Water Control (Spec 804A) Allowance - fees associated with all work pertaining to managing and handling contaminated soil and water at the lift station sites, such as developing SWPPP, erosion control matting, and the monitoring, testing, storage, removal, transportation, and disposal of contaminated soil or contaminated water in accordance with all applicable federal, state, and local regulations

# Special Conditions

- The Contractor is responsible for the testing, handling, monitoring, removal, and disposal of materials containing lead-based paint and asbestos
- The lift stations shall remain in operation at all times
- All water services to the lift stations will require a new permanent water meter
- Contractor is responsible for coordinating with SAWS through Counter Services to fill out a Request for Service / Meter Request
- The working space is restricted to the limits of the easements and/or Joint Use Agreements
- Contractor is responsible for obtaining fenced, screened, and secured staging areas and associated maintenance



## Special Conditions

- The Contractor is responsible for coordination in advance to gain access to the lift station sites and be given acceptable work hours to perform construction activities within JBSA-Lackland AFB, Port San Antonio (PSA), and Boeing facility
- Contractor shall obtain all security clearances/badges well in advance prior to construction
- Allocate a minimum of 30 to 45 days for process and approval after submitting applications for security clearances

# Construction Phasing and Sequencing

**This is a US EPA Consent Decree project with the completion deadline of July 2023 - Lift stations should be operational by this date**

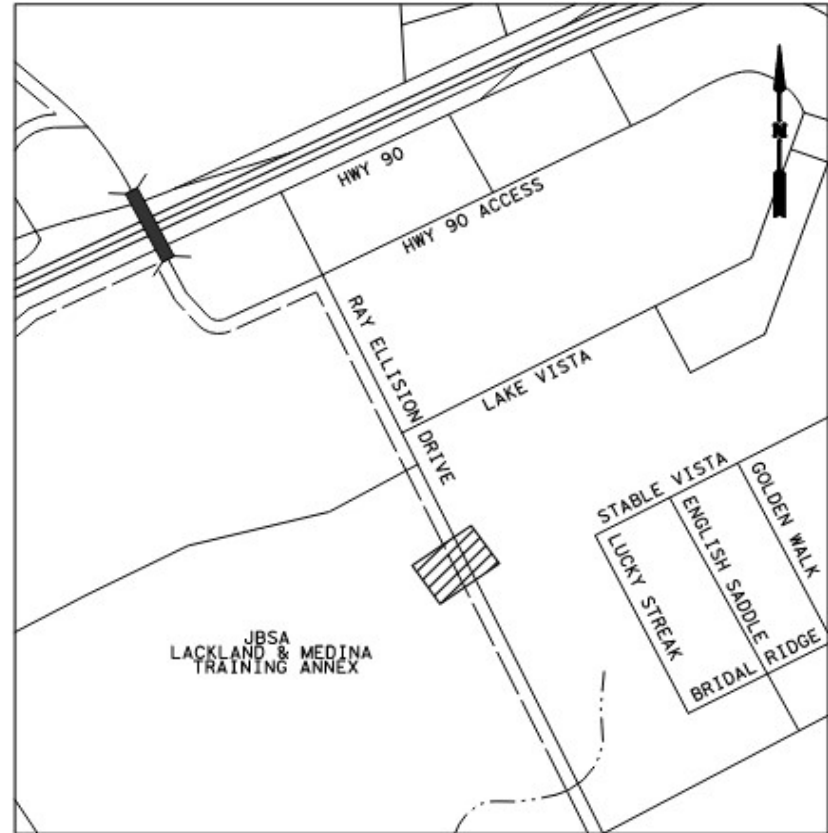
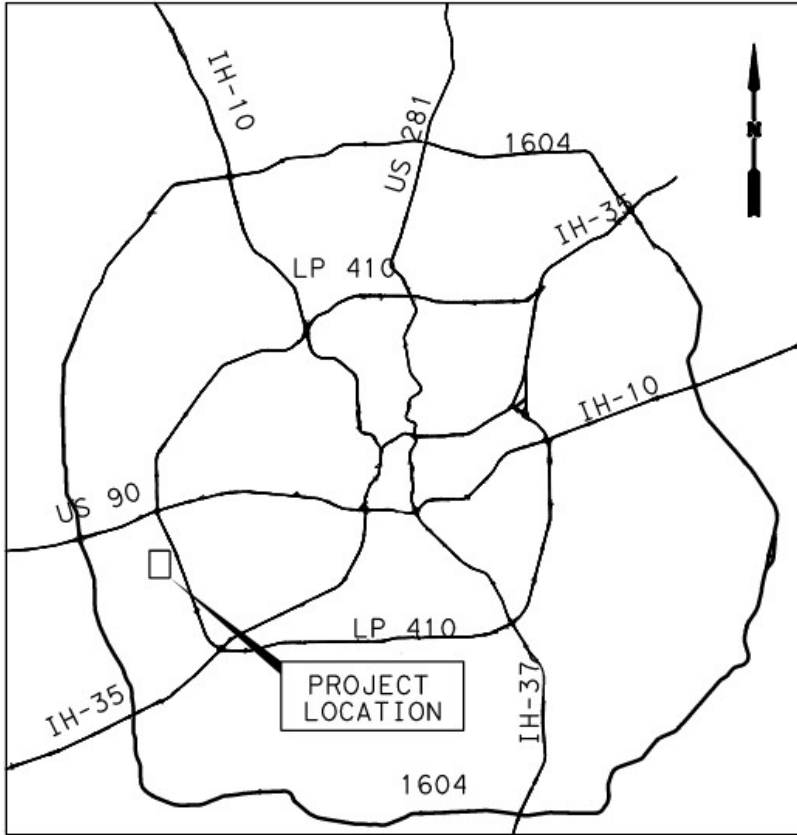
## Lift station designations for the four groups are:

- **Group I:** Five Lift Stations located within the JBSA-Lackland AFB (LS #323, #324, #325, #328 and #330). These lift stations must be the first sites to undergo and complete construction before work at the other groups commences. **LS #324** must be the first lift station in this group to be completed before commencing work on the other four lift stations
- **Group II:** Three lift stations located in the central area of PSA and within Boeing facility (LS #303, #311, #322) and one lift station located in the southern portion of PSA, close to Southwest Military Drive (LS #321)
- **Group III:** Three lift stations located in the area previously known as East Kelly AFB (LS #312, #317 and #319)
- **Group IV:** Three lift stations located in the northern portion of PSA (LS #300, LS #300 force main, #304, and #331)

# Lackland AFB Medina Annex Force Main Replacement

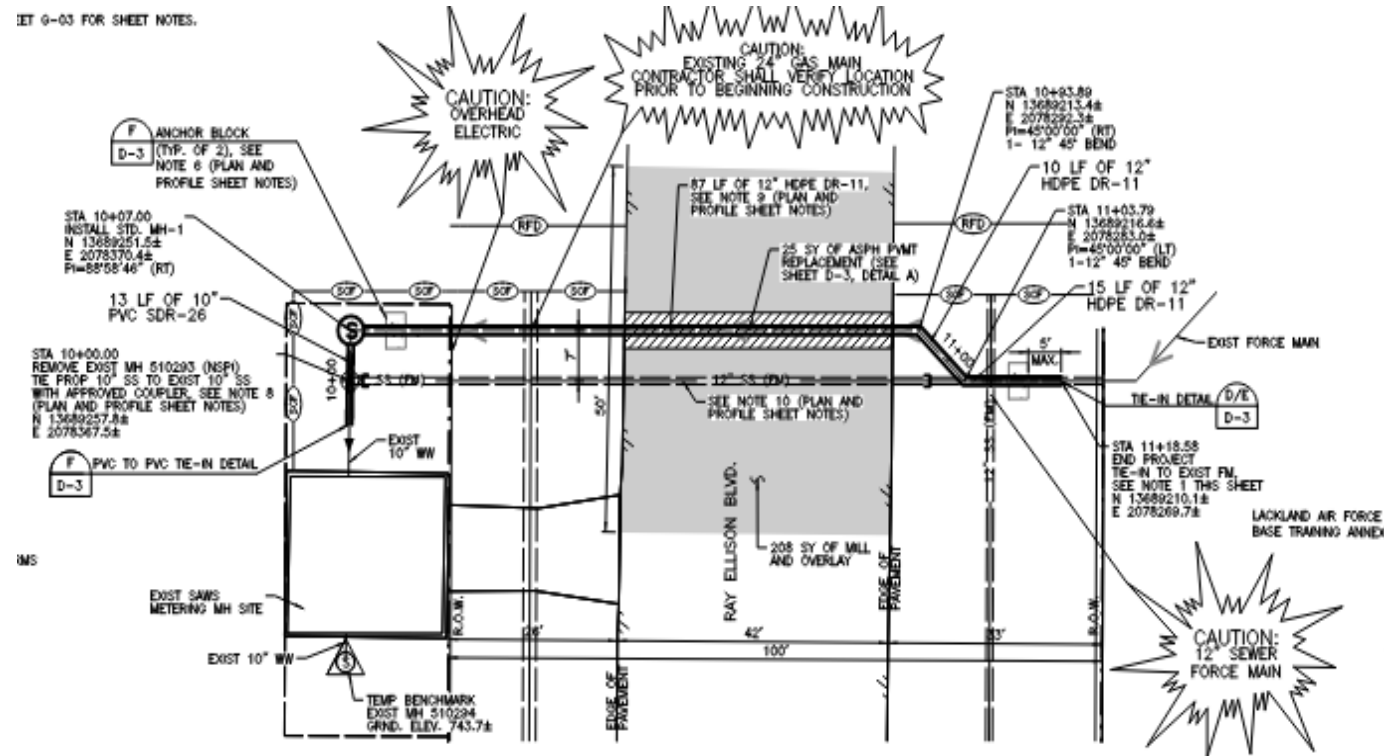


# Location



# Scope

- 12-in HDPE
- Open cut
- New MH
- Demo existing MH
- One bypass to tie in pipeline; demo MH; connect gravity line
- Mill and overlay



# Bypass Requirements

- Contractor is required to submit a plan for tie-in
  - Major tasks
  - Plan for bypassing
  - New force main must be placed in service within 2 hours from start of shutdown
  - Submit contingency plan if tie-in exceeds 2 hours
- Pre-tie in meeting with SAWS and JBSA, 1 week prior to tie-in
- Contractor to plan for tie-in work to be completed during low flow conditions from the upstream lift station
- Tie-in may need to occur during “after” or “evening” hours

# 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.*

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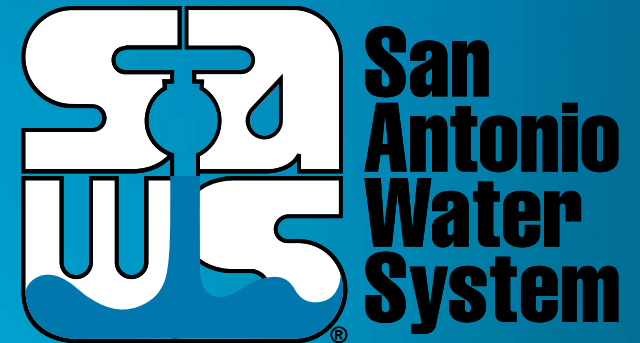
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