

Medio Creek WRC Rehabilitation Phase I

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Non-Mandatory Pre-Submittal

October 19, 2023

MAKING SAN ANTONIO
WATERFUL



WebEx Housekeeping

- Stay muted during the entire presentation.
- Sign-in using the chat selecting Everyone from the drop-down menu.
- Ask questions at any time during the presentation utilizing the chat.
 - Questions will be addressed at the end of the presentation.
 - All formal responses to questions will be provided via Addendum.
- Audio only attendees may follow along on the presentation that has been posted to the SAWWS solicitation website.

Oral Statements

Oral statements or discussions during this Pre-submittal Conference will not be binding, nor will they change or affect the RFQ or the terms and conditions of the contract. Changes, if any, will be addressed in writing only via an Addendum.

Agenda

- Objective
- SMWB Requirements
- Selection Process
- RFQ Schedule
- Site Visit Procedures
- Addenda
- Submitting a Response
- Scoring Criteria
- Evaluation Criteria
- Respondent Questions
- Communication Restrictions
- Project Overview
- Project Location
- Project Scope
- Questions

Objective

The San Antonio Water System is pursuing Requests for Qualifications (RFQ) for professional engineering services for the **Medio Creek WRC Rehabilitation Phase I Project** (“Project”). Statements of Qualifications from interested firms are being accepted for this Project, which will require the scope of services be performed by a qualified professional engineering firm.

The selected firm shall provide engineering services entailing planning, engineering evaluations, studies, reports, preliminary engineering, design, bid, construction, start-up/commissioning, and overall project management and coordination services for the design and construction of the Project.

The anticipated services will include project management and coordination, site/civil, mechanical, structural, and electrical engineering services, instrumentation and controls, surveying, geotechnical investigations, subsurface utility engineering, permitting, preliminary engineering, design, scheduling, cost estimating, construction management and other services as necessary for the Project.

Small, Minority, and Woman-owned Business (SMWB) Participation & Recent SMWB Policy Updates

- Scoring Method: 15 Points (by percentage) for meeting or exceeding the stated *mandatory* SMWB goal.
- Not meeting the mandatory goal = 0 SMWB Points. Points awarded on an all-or-nothing basis.
- If the goal is not met, proof of outreach to SMWBs must be provided. If proof of outreach is not provided, disqualification may occur.
- Methods of outreach prescribed in the solicitation
- 25% Mandatory Goal

SMWB Requirements

- All firms in the organizational chart must also be listed in the Good Faith Effort Plan.
- Local-area office in one of the following counties: Bexar, Comal, Guadalupe, Hays, Kendall, Travis, or Williamson.
- Must be “SBE” (including MBEs and WBEs), and need to be certified through the SCTRCA or Texas HUB.
- Post-award, use of the S.P.U.R. System will be contractually required to report payments to all subconsultants, both SMWB and Non-SMWB.

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

www.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.

Medio Creek WRC Rehabilitation Phase I RFQ Pre-submittal Conference



SMWB Questions

Questions related to the SMWB Program, the Good Faith Effort Plan (GFEP), or finding certified subconsultants may be directed to the SMWB Program Manager until the RFQ is due.

Marisol Robles

SMWB Program Manager

Email: Marisol.Robles@saws.org

Telephone: 210-233-3420

Selection Process

- SOQs reviewed for responsiveness
- Technical Evaluation Committee scores qualification statements based on evaluation criteria published in the RFQ
- Interviews held, if necessary
- Selection Committee reviews scores and recommends firms
- Good Faith Effort Plan will be evaluated and scored
- Negotiation with selected consultants
- Board Award

Selection Process

- If there is a change to key team members (prime or sub-consultant) identified on Respondent's organizational chart, notify SAWWS in writing as soon as possible
 - SAWWS may allow Respondent to replace the key team member with an alternate member who possesses equal or better qualifications and experience
- Also, per SAWWS Ethics Policy, a former SAWWS employee may not serve in a lead role as a key team member and/or participate in the negotiation of a contract for two (2) years after separating from SAWWS.
 - This may result in the Respondent's proposal being found non-responsive or a reduction in points during the evaluation

RFQ Schedule

MILESTONE	DATE
Non-Mandatory Pre-Submittal Conference	October 19, 2023, at 10:00 a.m. CDT
Non-Mandatory Site Visit	October 20, 2023, at 9:00 a.m. CDT
Receipt of Written Questions Due	November 1, 2023, by 4:00 p.m. CDT
Q & A Posted to Website	November 8, 2023, at 5:00 p.m. CST
Proposals Due	November 15, 2023, by 10:00 a.m. CST
Proposals Evaluated	November/December 2023
Interviews, if necessary	December 2024
SAWS Board Consideration and Award	February 2024
Non-Selection Notices mailed	February 2024
Start Work	February 2024

The dates listed above are subject to change without notice.

Site Visit Procedures

- A non-mandatory site visit will be held on:
October 20, 2023 at 9:00 a.m. CDT
Medio Creek Water Recycling Center
2231 Hunt Lane, San Antonio, Texas 78227
- The site visit is expected to last no more than one (1) hour.
- Attendees will enter the facility through the gate upon the Engineer's instructions 15 minutes prior to the start of the Site Visit.
- Questions will not be answered during the site visit and should be submitted in writing.
 - However, attendees may take video, photos and notes.
- Attendees must wear proper Personal Protective Equipment (PPE) during the Site Visit as there are ongoing construction projects at the site. This includes, but is not limited to hard hats, hearing protection, safety glasses, safety vests and steel-toed boots. Attendees without the required PPE will not be allowed to participate in the site visit.
- Attendees will be escorted by SAWS staff at all times and shall not stray from the group.

Addenda

- Register as a vendor with SAWS Vendor Registration and Notification
- More than one addendum may be posted on the SAWS website.
- Check SAWS website often and prior to submitting your proposal
- Known addendum changes are:
 - Responses to questions

Submitting a Response

Helpful Reminders

- Thoroughly read the RFQ document.
- Maximize points by addressing all items in the order identified in the RFQ.
- Be specific and avoid “boiler plate” responses for the narrative portions of the RFQ.
- Page limit - 17
- Evaluation Criteria forms, cover page, divider pages, etc. do not count towards page limit.
- Contact the SMWB Program Manager for assistance, if necessary.
- Perform a thorough QA/QC on your proposal prior to submitting.
- Utilize the Submittal Response Checklist to ensure all required items are included in the proposal
- Utilize Attachment III Evaluation Criteria Forms
 - Reference Attachment II Evaluation Criteria Details and Requirements

Submittal Deadline

- Submittal deadline is **November 15, 2023 at 10:00 am (CST)**
- “PS-00160_Medio Creek WRC Rehabilitation Phase I RFQ Response” and name of Respondent should be clearly identified on the subject line of the email.
- Submit electronic copy
 - contracting@saws.org
 - Email size limit of 10MB
 - One (1) pdf searchable file with bookmarks
 - SAWS recommends submitting your proposal at least two (2) hours prior to the deadline.
- Late responses will not be accepted and will not be opened.

Scoring Criteria

Evaluation Criteria	Weight (points)
Team Experience and Qualifications	30
Similar Projects and Past Performance	30
Project Understanding and Approach	25
SMWB Participation (Good Faith Effort Plan)	15
TOTAL	100

Evaluation Criteria

Team Experience and Qualifications: 30 Points

- Organizational Chart of Proposed Project Team
 - Key Personnel including Key Subcontractors must match Key Personnel Resumes
 - Proposed Project Manager must be an employee of Respondent
 - One (1) page limit
- Key Personnel Resumes
 - 1 page per person; ensure required detailed information is included per the RFQ
 - Up to 6 Key Personnel resumes
 - Project Manager's resume shall be included first

Evaluation Criteria

Team Experience and Qualifications (Continued): 30 Points

- Composition of the Team
 - Describe Roles and Responsibilities of proposed team members
 - Describe teaming history
 - 1 page limit
- Team Composition Table
 - Complete Fillable Form
- Team Availability Table
 - Complete Fillable Form

Evaluation Criteria

Similar Projects and Past Performance: 30 Points

- Provide 3 completed projects in the last 15 years
 - Complete Fillable Forms – no additional narrative
 - Technical Leads and Key Personnel must have participated in at least 1) of the projects provided
 - Minimum of 2 project references must have been performed by the Respondent
 - Ensure all reference information is correct and verified (point of contact, telephone number, etc.)
- Provide construction cost estimating information
 - Complete Fillable Form – OPCC Table

Evaluation Criteria

Project Understanding and Approach: 25 Points

- Provide Detailed Approach
 - Should demonstrate familiarity with the Scope of Services identified on RFQ
 - Provide innovative approaches, ideas and recommendations
 - 3 page limit
- Provide Detailed Project Schedule
 - Assume design start date of February 19, 2024 and Construction Completion Period of 30 months
 - 2 page limit for 11" x 17" exhibits (for schedule only)

Evaluation Criteria

Project Understanding and Approach (Continued): 25 Points

- Provide responses to show understanding of the project and its unique challenges
 - 2 page limit
 - Avoid generic language and marketing materials
- Project specific quality control and quality assurance (QA/QC)
 - Ensure to include all required criteria
 - 2 page limit
 - Avoid generic language and marketing materials

Respondent Questions

Must be submitted in writing via e-mail no later than November 1, 2023, by 4:00 pm (CDT) to:

Janie M. Powell

Contract Administration Department

San Antonio Water System

Janie.Powell@saws.org

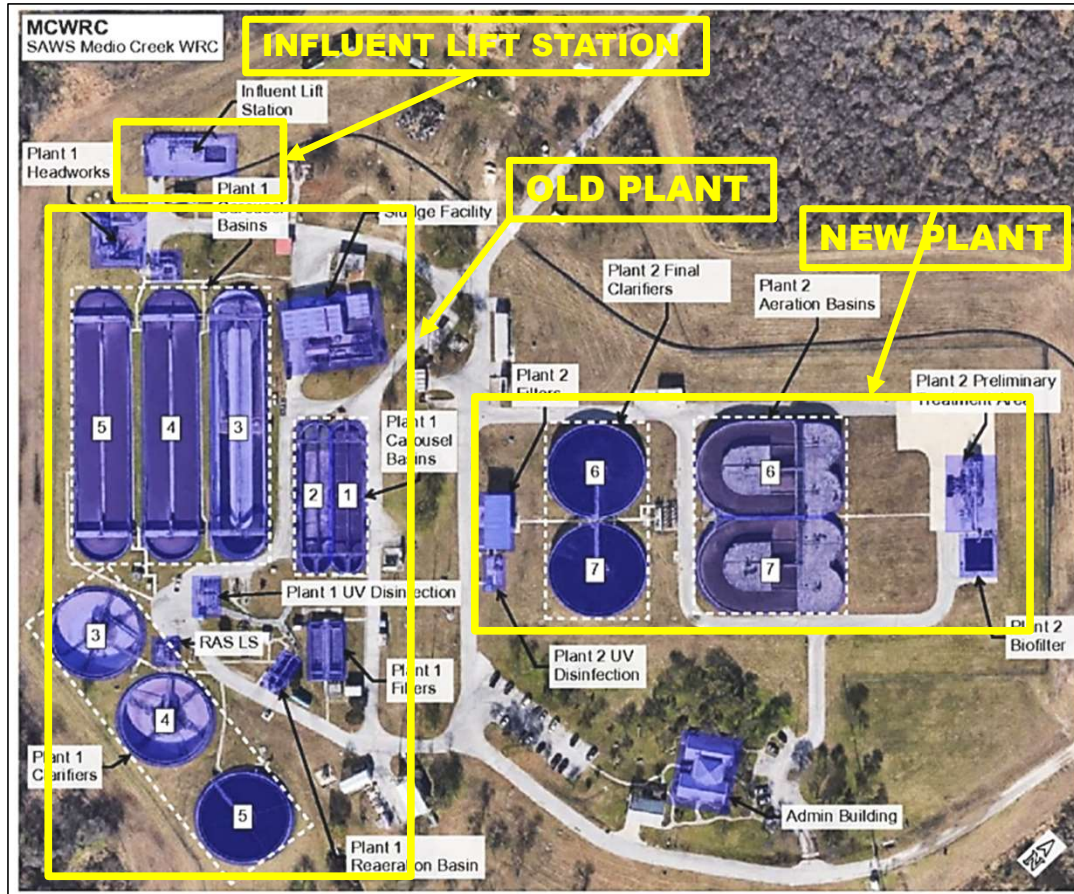
Communication Restrictions

- No communication regarding the RFQ with the following:
 - SAWS Project Manager
 - Any other SAWS staff, managers, directors or VPs
 - City Council member or staff
 - SAWS Board of Trustees
- No phone calls, emails, letters, direct/indirect discussion of the RFQ
 - If submitting for the RFQ and/or doing work for SAWS, indicate this when speaking with SAWS staff, but refrain from discussing the RFQ
- From release of the RFQ to Board Award

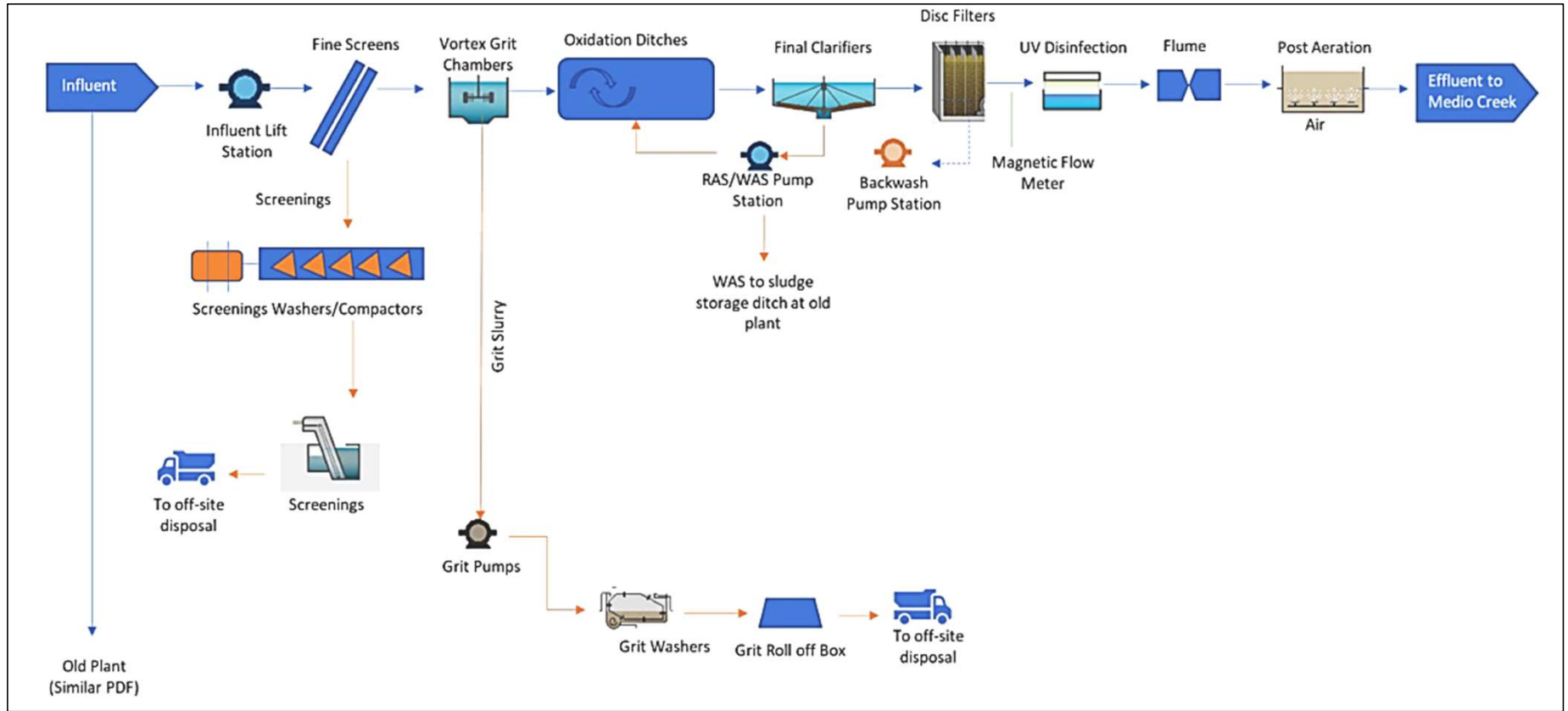
Project Overview

- Project is included in 2020 SAWS Wastewater Facilities Master Plan for Water Recycling Centers
 - Purpose of project is to rehabilitate or replace infrastructure and equipment that are in poor condition or that have reached end of their useful life
 - First phase of the planned improvements
 - Focus areas may include influent lift station, headworks, secondary treatment including oxidation ditches, final clarifiers and RAS/WAS pumping, filtration, UV disinfection, plant outfall, operations, and electrical and instrumentation and controls for both Plant No.1 (also referred to as Old Plant) and Plant No. 2 (also referred to as New Plant)

Project Location – Medio Creek WRC



Project Location – Process Flow Diagram



Project Scope

- Influent Lift Station
 - Evaluate existing Influent Lift Station with respect to condition and operation; develop alternatives to provide operational flexibility and reliability in splitting and pumping influent flows to Plant No. 1 and Plant No. 2; provide necessary improvements based on conclusions of evaluation
 - Provide repairs to concrete structure, as necessary
 - Demolish existing biofilter
 - Replace parts of corroded fencing



Project Scope

- Headworks
 - Install actuators on existing gates at Plant No. I headworks
 - Evaluate condition of existing grit removal equipment at Plant No. I headworks, and replace them as necessary
 - Provide repairs of concrete structure of Plant No. I headworks
 - Demolish existing biofilter



Project Scope

- Secondary Treatment Area
 - Replace existing gates in flow split channel upstream of Plant No. I oxidation ditches, and install actuators
 - Evaluate condition and operation of existing mechanical aerators in Plant No. I oxidation ditches. Provide options to optimize their operation to save energy, and necessary improvements based on conclusions of evaluation
 - Provide permanent repairs to center expansion joints in Plant No. I oxidation ditches



Project Scope

- Evaluate short-circuiting of weir flows associated with Plant No. 1 final clarifiers, and provide necessary improvements based on conclusions of evaluation; consider structural integrity and flood plain in evaluation
- Evaluate condition of mechanisms of Plant No. 1 final clarifiers, and provide necessary improvements based on conclusions of evaluation



Project Scope

- Replace existing pumps and controls at Plant No. I RAS Pump Station No. I
- Evaluate condition and capacity of pumps at Sludge Transfer Pump Station, and provide necessary improvements based on conclusions of evaluation



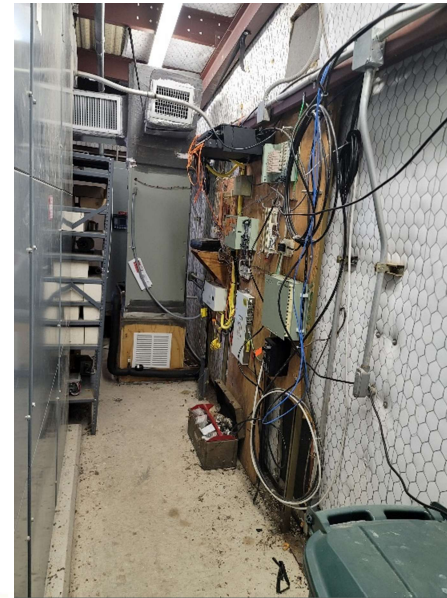
Project Scope

- Filtration
 - Evaluate hydraulics around Plant No. 1 final clarifiers, filters, and UV disinfection area to prevent portion of final clarifier effluent from flowing into UV system, bypassing the filters; provide necessary improvements based on conclusions of evaluation
- UV Disinfection
 - Replace existing gates and actuators in Plant No. 1 and Plant No. 2 UV system



Project Scope

- Replace existing generator at Plant No. 1 with a stand-by generator system that can run Plant No. 1
- Replace air conditioning units in electrical buildings at Plant No. 1 and Plant No. 2
- Evaluate load-shed circuitry, and provide a system that enables continued operation of plant



Project Scope

- Electrical, Instrumentation and Controls
 - Replace existing Emerson DCS system for Plant No. 2 with a Rockwell PlantPAX based SCADA system, including replacement of controllers with PLCs
 - Install Rockwell PlantPax based SCADA system and associated field PLCs for Plant No. 1
- Associated site/civil, mechanical, structural, electrical, and instrumentation and controls work with Project

Design Services

- Selected Consultant will provide the following design services
 - 30% Design
 - 60% Design
 - 90% Design
 - 100% Design / Bid Phase Services
 - Construction Phase Services
 - Field Investigations
- Other services: Permitting, field investigations, constructability reviews, cost estimating, scheduling, start-up/commissioning and overall project management and coordination

Design Considerations

- Contract Documents – Quality and attention to detail (QA/QC of self- and sub-consultant work)
- Coordination and feedback – SAWS end users
- Engineer of Record responsible for compliance with existing rules and regulations - Coordination with regulatory agencies
- Review workshops and walk-throughs
- Cost estimating
- Contractor reach-out
- Adherence to design schedule

Cost Estimates

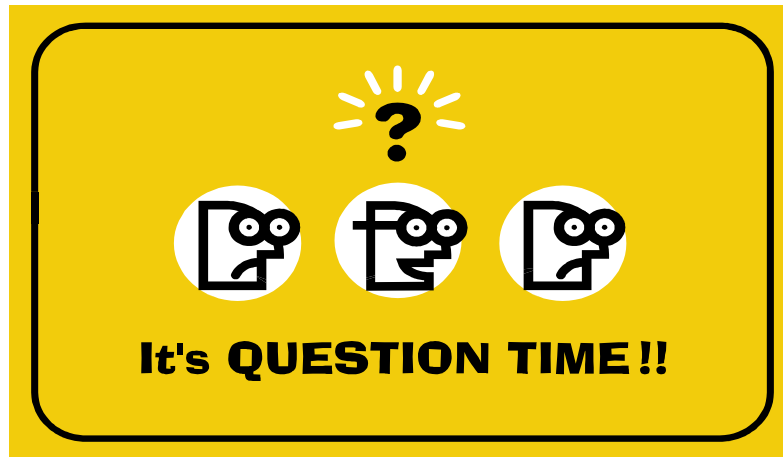
Consultant must develop Engineer’s Opinion of Probable Construction Costs (OPCC) for each phase (30%, 60%, 90%, and 100%) of the project as per the recommendations of AACE International as described in Recommended Practices No. I7R-97 and 56R-08

Design Phase	Estimate Class	Expected Accuracy Range
30% Design	Class 3	L: -5% to -15% H: +10% to +20%
60% Design	Class 2	L: -5% to -10% H: +5% to +15%
90% Design	Class 1	L: -3% to -5% H: +3% to +10%
100% Design and Bid Documents	Class 1	L: -3% to -5% H: +3% to +10%

Project Schedule and Budget

Event	Date
NTP for Design	February 2024
NTP for Construction	January 2026
Project Completion	June 2028

Project Cost Center	Cost Forecast
Construction Budget	\$33,000,000



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A cross-sectional illustration of the ground showing a network of blue pipes and manholes. The pipes are laid out in a grid-like pattern, with some branching. The ground is depicted in shades of brown and tan, with green grass on the surface. The illustration is positioned at the bottom of the slide, behind the 'WATERFUL' logo.