

2021 Water Main Designs (RFQ)

Eduardo Anzueto, P.E.

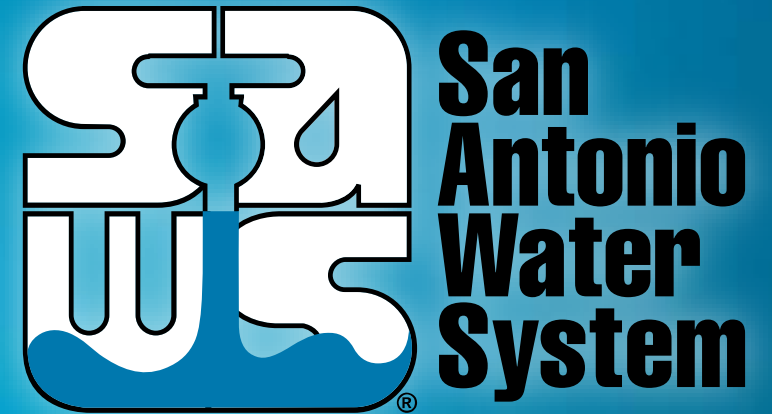
Project Engineer

Florinda Gonzales

Interim Contract Administrator

Marisol V. Robles

SWMB Program Manager



Non-Mandatory Pre-Submittal

November 12, 2020

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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
- Evaluation Criteria
- SMWVB
- Submission Reminders
- Key Dates
- Submittal Deadline
- Project Scope
- Overview of Project Locations
- Project Implementation Schedule
- Design Considerations
- Cost Estimates – Design Phase



Objective

- To procure professional engineering services which will require work to be performed by qualified professional engineering firms
- Selected firms shall provide project management and engineering services including planning, estimating, scheduling, engineering evaluations & studies, preliminary engineering reports, design, bid, and construction phase services and inspections
- Projects to be managed, designed, and constructed with highest regard for cost, schedule, and quality
- SAWWS anticipates awarding a contract to more than one Consultant



Scoring Criteria

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

Team Experience and Qualifications

Refer to Attachment II

- Organizational Chart – Identify all proposed “Key Personnel” and “Key Sub-consultants”
- Availability Table Matrix – include the percentage of time each proposed team member shown on the organizational chart will be committed to the Project, as well as their role
- Describe the composition of the proposed team including Sub-consultants, roles and responsibilities of team members, and teaming history



Team Experience and Qualifications

Refer to Attachment II

- Resumes for Key Personnel **only**
 - One (1) page
 - Project Manager’s resume first
 - Name/title/education
 - Describe professional qualifications, experience, and expertise
 - Number of years with current firm and total years of professional experience
 - List five (5) similar projects completed in last 10 years (relevant to project scope), specifying with current firm or part of overall professional experience
 - List all active projects, durations, phases and % time allocated
- Respondent’s and Proposed Sub-consultants Role on this project (table)

* Use Fillable Forms (Attachment III) – Forms will count towards total page limit



Similar Projects and Past Performance

Refer to Attachment III

- Provide 5 relevant and similar completed projects in last 10 years
- Make sure as many team members being proposed have been involved in the reference projects, same role as proposed, and are clearly identified in the submittal
 - Names of utility owner/client and location (city and state)
 - Reference contact to include names, titles and “current” phone numbers (verify)
 - Key contract dates – year and duration of projects
 - Detailed description of project – explain why reference projects are similar to the RFQ
 - Key Personnel and Sub-consultants’ responsibilities

* Use Fillable Forms (Attachment III) - Forms will count towards total page limit



Similar Projects and Past Performance

Refer to Attachment III

- OPCC Table – Provide cost information for the five (5) relevant and similar projects completed in the last 10 years as it relates to accuracy of the Engineer’s OPCC
- Provide all data being requested
- Stating “N/A” is not acceptable

* Use Fillable Forms (Attachment III) - Forms will count towards total page limit



Project Understanding and Approach

Refer to Attachment II

- Select one of the projects in the RFQ to tailor your responses
- Explain, in detail, how your firm will execute and complete the scope
- Discuss critical milestones, project risks, unique technical challenges, permitting, easements, decision-making, methods to obtain feedback, key stakeholders, and proposed deliverables
- Provide innovative approaches, ideas, and recommendations

Project Understanding and Approach

Refer to Attachment II

- Provide project specific responses to:
 - Familiarity with project area
 - Approach to becoming familiar with local and regional market conditions
 - Understanding and approach for addressing project related issues and difficulties
 - Coordination requirements, responsiveness, and follow through
 - Approach for adhering to proposed schedule and schedule recovery procedures
 - Identify design concepts in need of additional definition or refinement and describe your proposed approach for addressing those items during the 30% Design Phase of the project
 - Identify risk items from design documents provided by SAWWS and describe your proposed approach for mitigating potential impacts
 - Approach for coordinating with regulatory and permitting agencies



Quality Management Plan (QMP)

- Describe the QMP for this project
 - Overview of QA/QC
 - Plan to identify, track, and resolve issues
 - Role of independent QA/QC team
 - Roles of Respondent, sub-consultants, and SAWS
 - Description of method and tools to develop OPCCs for each milestone and familiarity with AACE’s recommended practices
 - Describe familiarity with the use of RS Means for developing independent cost estimates for construction change orders

* Please refer to the RFQ for all detailed requirements of all of the Evaluation Criteria



Aspirational SMWVB Goal

Industry	Aspirational SMWB Goal	Description
Engineering and Other Professional Services	40%*	Points assessed on tiered scale

*40% of the value of the contract.

SMWVB Requirements

- SMWVB Certification accepted from the following entities:
 - South Central Texas Regional Certification Agency (MBE, SBE, WBE)
 - Texas H.U.B.

- RFQ Scoring:
 - Up to 15 Points
 - Local Office
 - Small Business Enterprise (SBE) at minimum (even MBEs and WBEs)



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

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

SMWVB Questions

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

Marisol V. Robles

SMWVB Program Manager

Email: Marisol.Robles@saws.org

Telephone: 210-233-3420

Addenda

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



Communication Reminders

- No communication regarding the RFQ with the following:
 - SAWS Project Manager
 - SAWS Technical Representative
 - 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

Submitting a Response

- Submittals only electronically
- Include all pages
- Reference the RFQ (section IV. Submitting a Response) document to determine what additional items are required.
- Page limit of twenty-five (25) per proposal



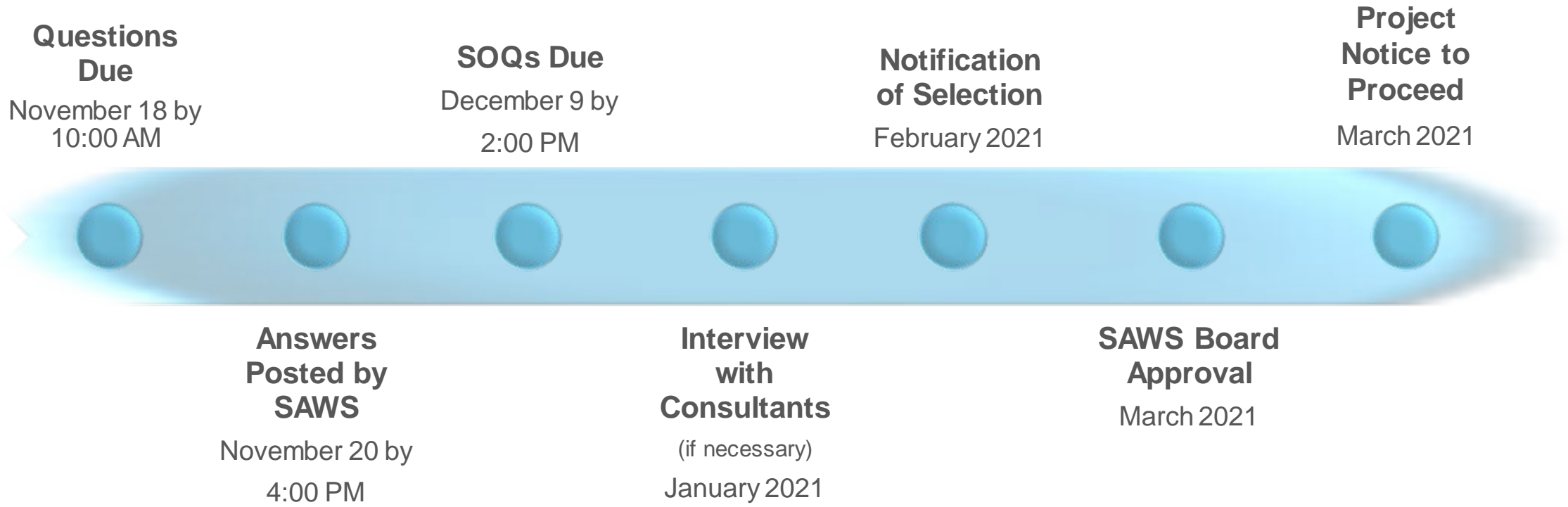
Submitting a Response

Helpful Reminders

- Thoroughly read the RFQ document prior to submitting your proposal
- Maximize points by addressing all items in the order they are identified in the RFQ
- Be specific; avoid “boiler plate” responses
- Utilize the Submittal Response Checklist
- Contact the SMWVB Program Manager for assistance, if necessary
- Perform a thorough QA/QC on your proposal prior to submitting



RFQ Schedule



The dates listed above are subject to change without notice.

Submittal Deadline

- Submittal deadline is December 9, 2020 at 2:00 pm local time
- Electronic Submittals Accepted Only
- Address a PDF of your submittal to contracting@saws.org
- Entitle the subject line of the submission email with “PS-00102 – 2021 Water Main Design RFQ Response” and name of Respondent.
- The file size limitation for submission is 10MB.
- Only one (1) file with all required response information shall be submitted.
- Late responses will not be accepted, and will be returned

Respondent Questions

- Must be submitted in writing via e-mail no later than November 18, 2020 by 10:00 am to:

Florinda Gonzales

Contract Administration Department

San Antonio Water System

Florinda.gonzales@saws.org



Project Scope

- Projects to be managed, designed, and constructed with highest regard for cost, schedule, and quality
- Four (4) water main extension projects
- Two (2) water main replacement projects
- One (1) combined water main replacement and extension project
- One (1) project to design two PRVs
- One (1) multiple site dead-end elimination project
- One (1) work order contract including three project locations

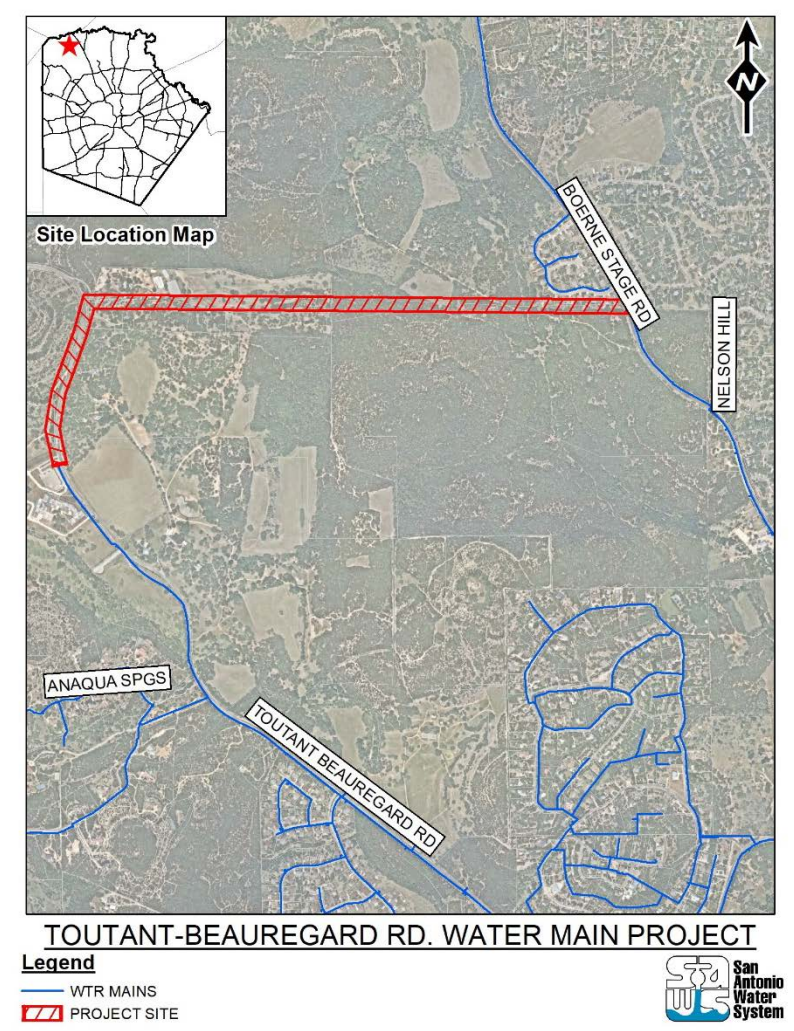
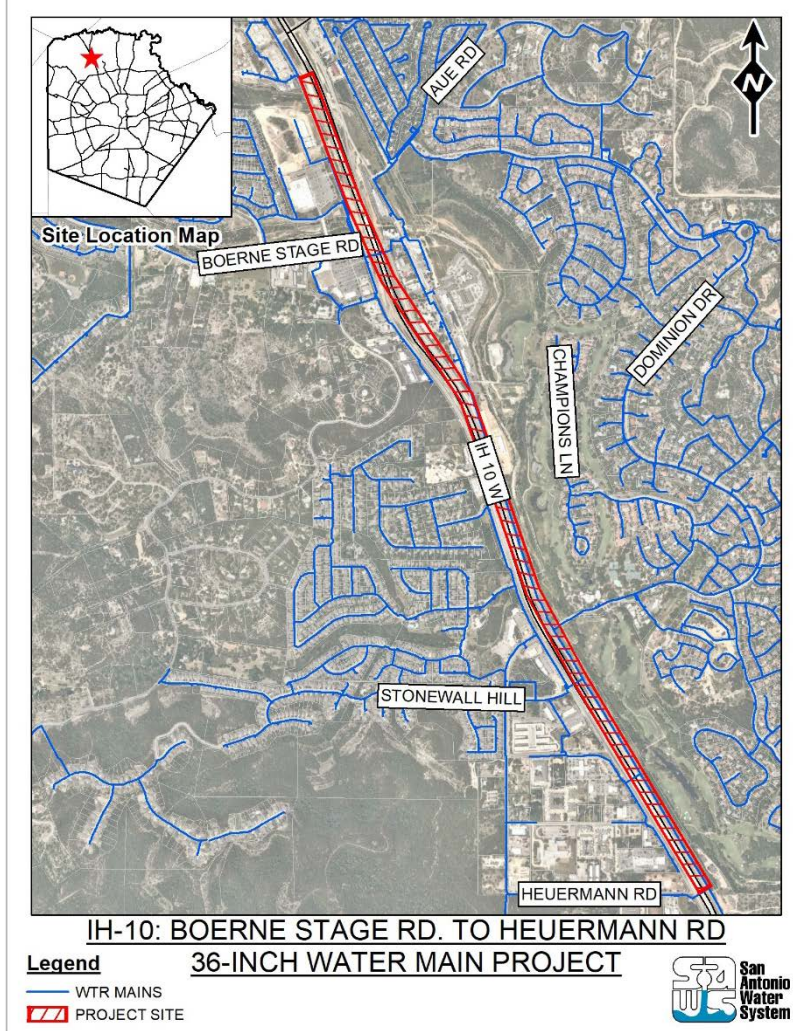
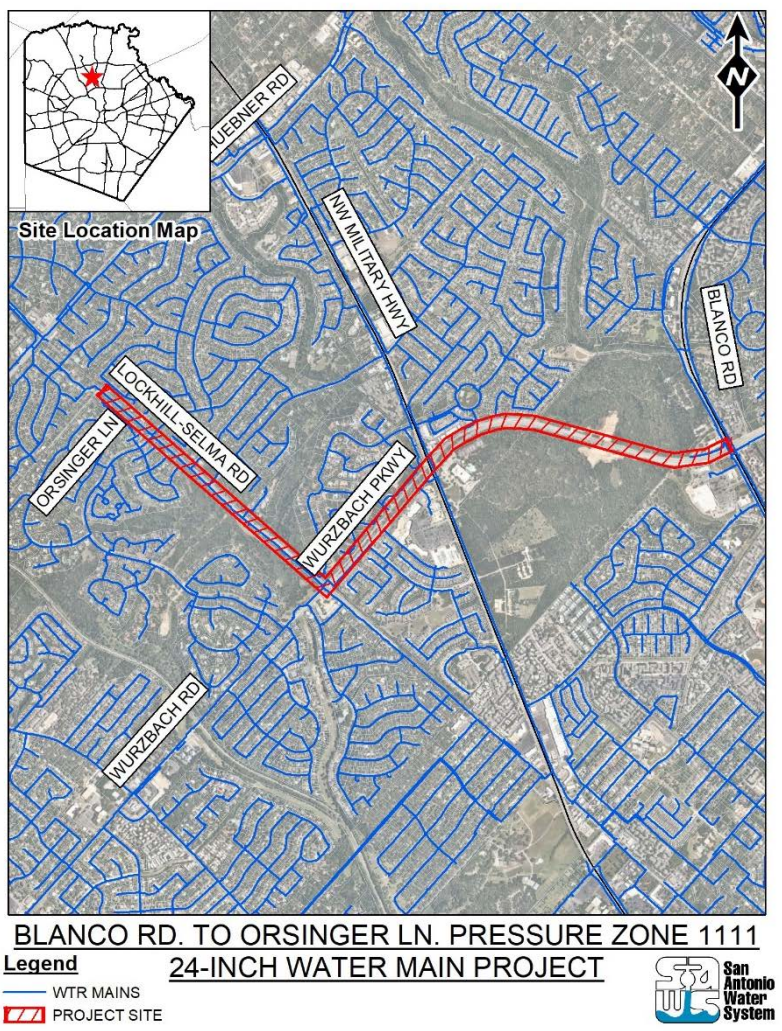


Projects

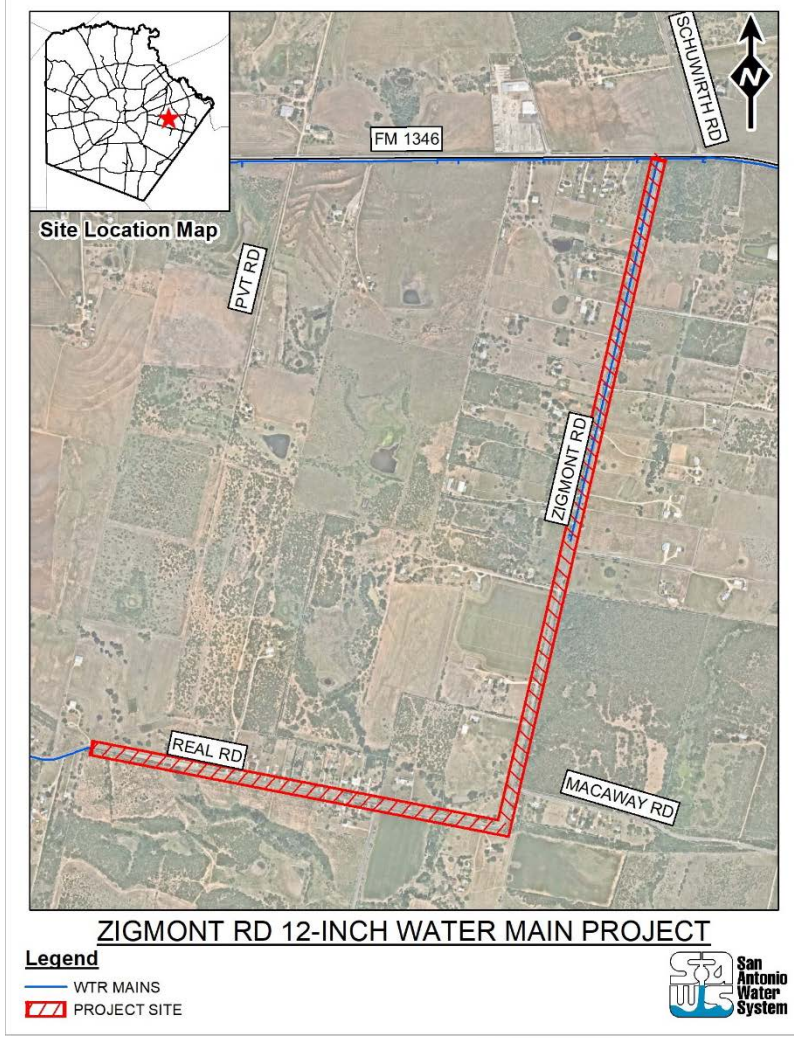
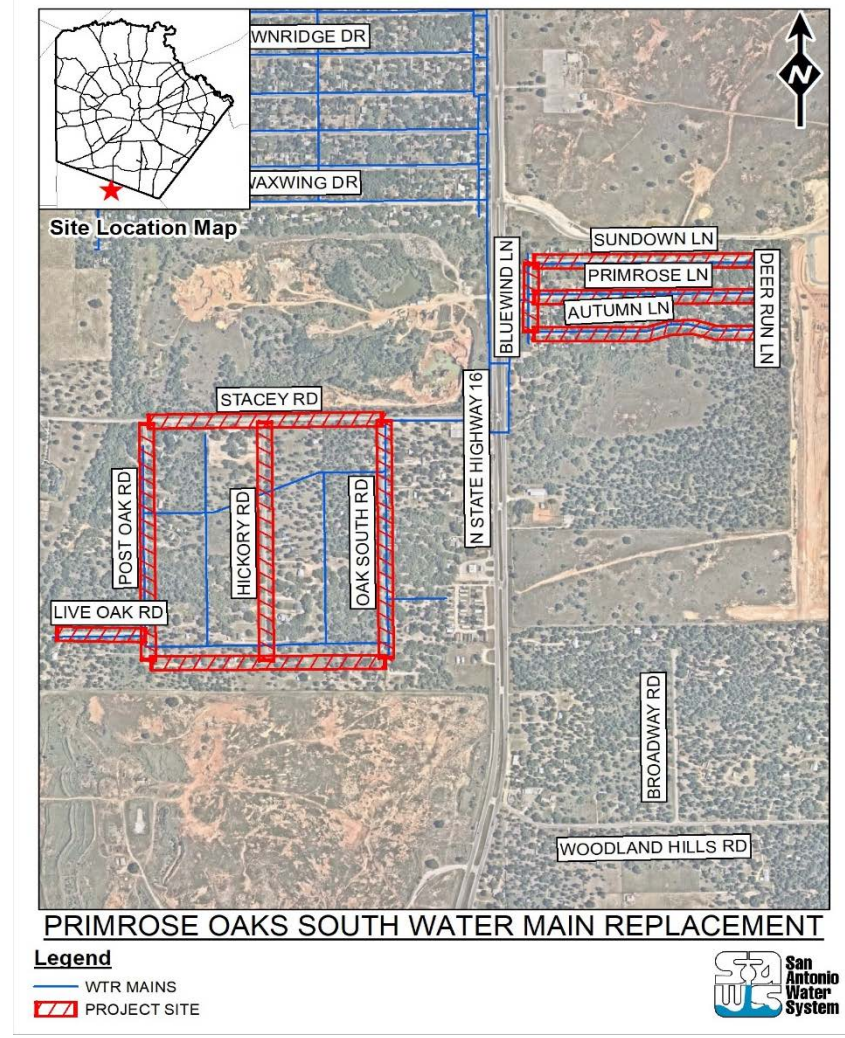
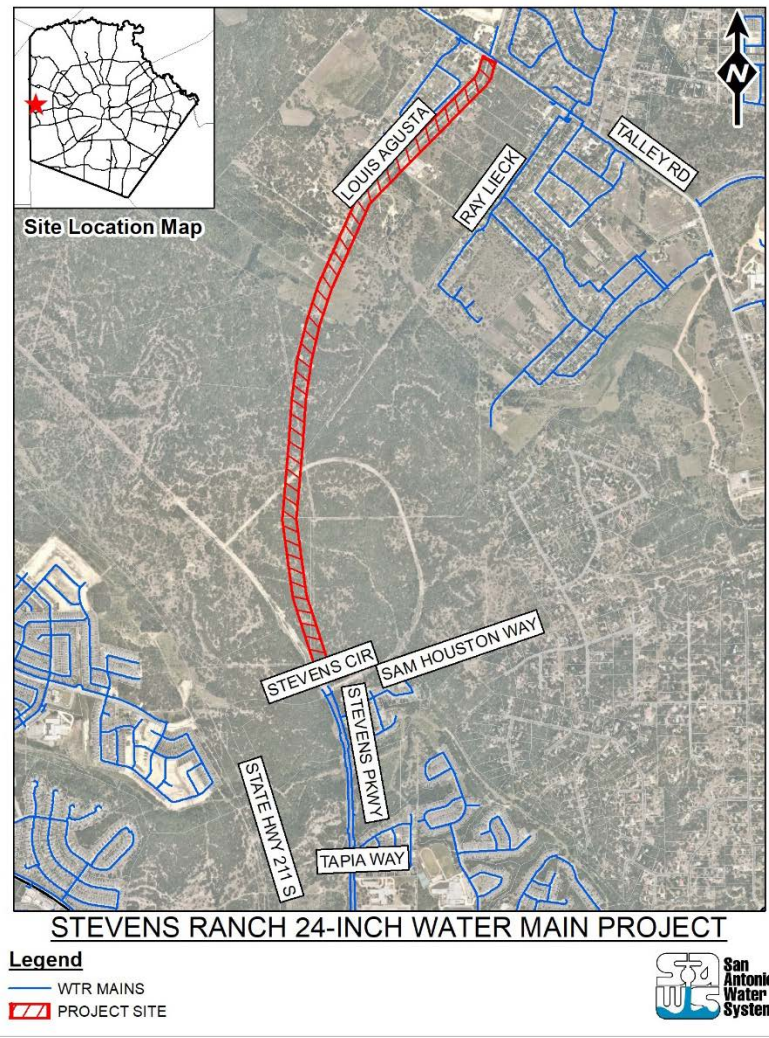
- Blanco Rd. to Orsinger Ln. Pressure Zone I I I I 24-inch Water Main
- IH-10: Boerne Stage Rd. to Heuermann Rd. 36-inch Water Main
- Toutant-Beauregard Rd. Water Main
- Stevens Ranch 24-inch Water Main
- Primrose Oaks South Water Main Replacement
- Zigmont Rd. 12-inch Water Main
- Sable Run and Talley Rd. Pressure Zone Interconnections
- Hollywood Park Pressure Zone Interconnections
- 2021 Dead-End Mains (DEM) Elimination
- 2021 Water Main Replacement Work Order Engineering Contract



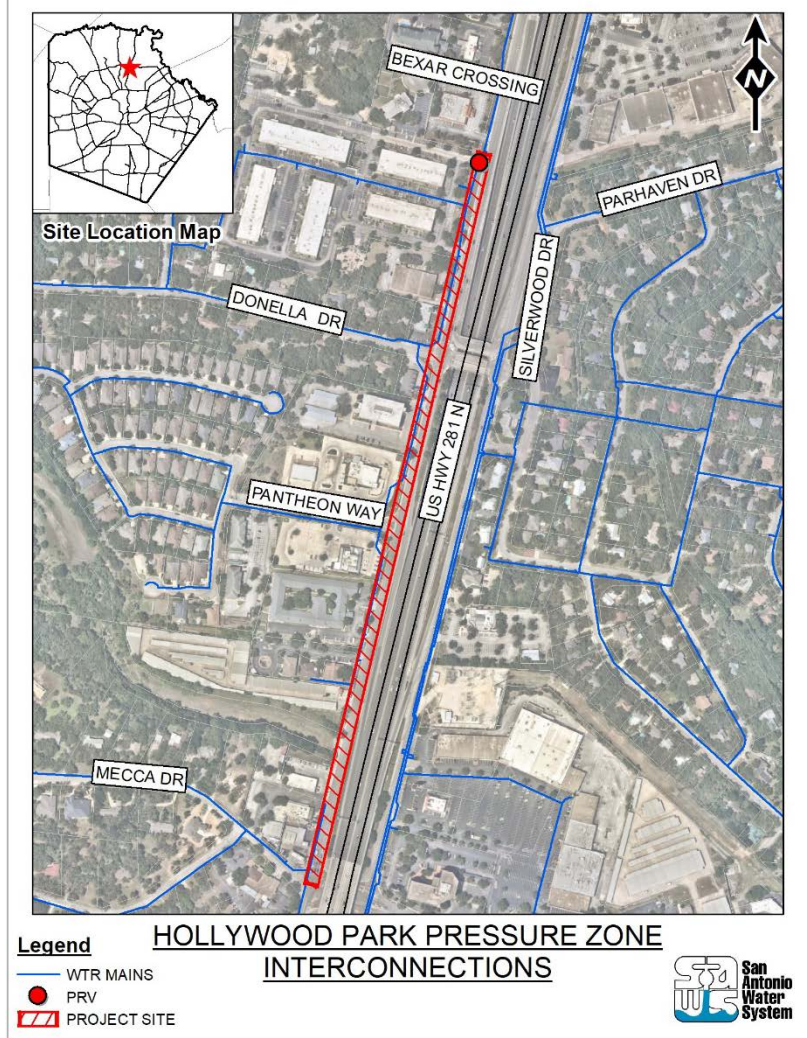
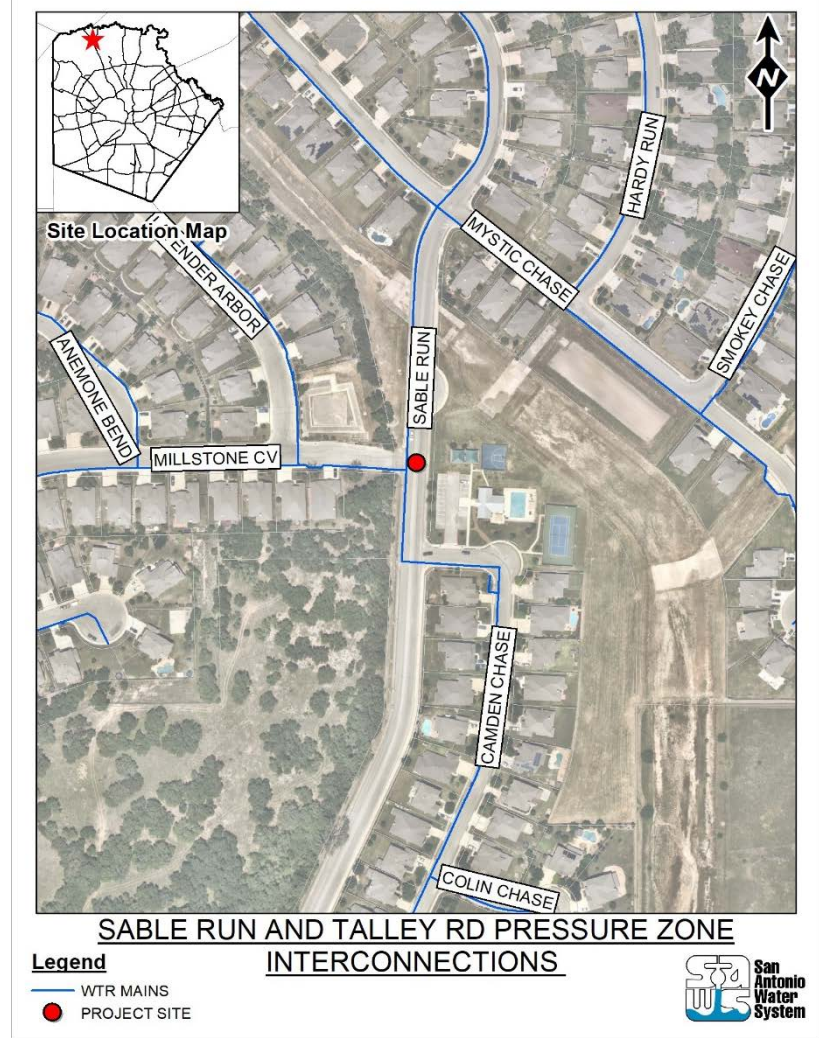
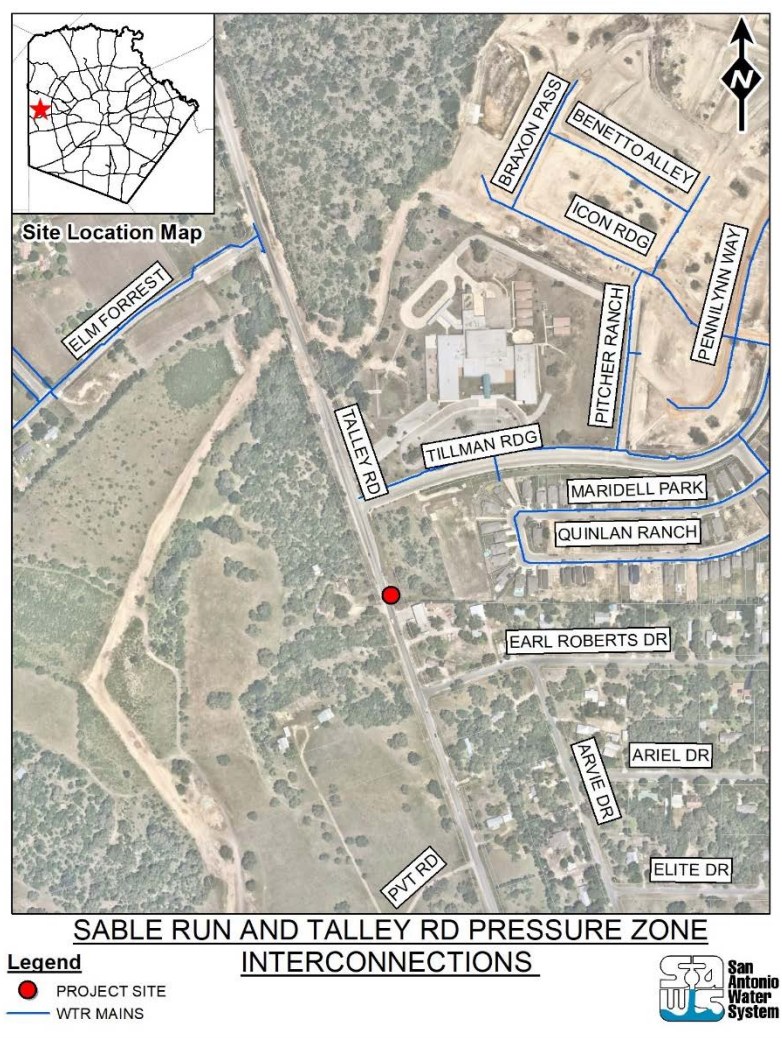
Overview of Project Locations



Overview of Project Locations (continued)



Overview of Project Locations (continued)



Project Implementation Schedules

Project	Construction Funding (CIP Year)
Blanco Rd. to Orsinger Ln. Pressure Zone I I I I 24" Water Main	2023
IH-10: Boerne Stage Rd. to Heuermann Rd. 36" Water Main	2023
Toutant-Beauregard Rd. Water Main	2023
Stevens Ranch 24" Water Main	2023
Primrose Oaks South Water Main Replacement	2022
Zigmont Rd. 12" Water Main	2022
Sable Run and Talley Rd. Pressure Zone Interconnections	2023
Hollywood Park Pressure Zone Interconnections	2023
2021 Dead-End Main (DEM) Elimination	2022
2021 Water Main Replacement Work Order Contract	

Design Considerations

- Contract Documents – Quality and attention to detail
- Adherence to implementation schedule
- Coordination and feedback – SAWS End Users
- Coordination with other agencies (e.g., CoSA, TxDOT, USACE, TCEQ, Bexar County, etc.)
- Permits
- Easements and ROW
- Identification of utilities (above and below ground)
- Design review workshops and walk-throughs



Design Considerations

- Survey and topographic information
- Site visits, as many as needed
- Construction access and staging
- Impacts to traffic, home owners, and business owners
- Temporary Water Service Lines
- Mobilization / Demobilization
- Traffic control plan and coordination
- Technical Specifications – unique project components
- Quality and accuracy of OPCCs



Design Considerations

- Engineer is responsible for compliance with existing rules and regulations
- QMP and disciplined project implementation
- QA/QC of sub-consultants work
- SUE to verify existing utilities and avoid conflicts, as needed
- Survey data and benchmarks
- Verify existing services
- Geotechnical Design Recommendations and Geotechnical Data Report (GDR)

Cost Estimates – Design Phase

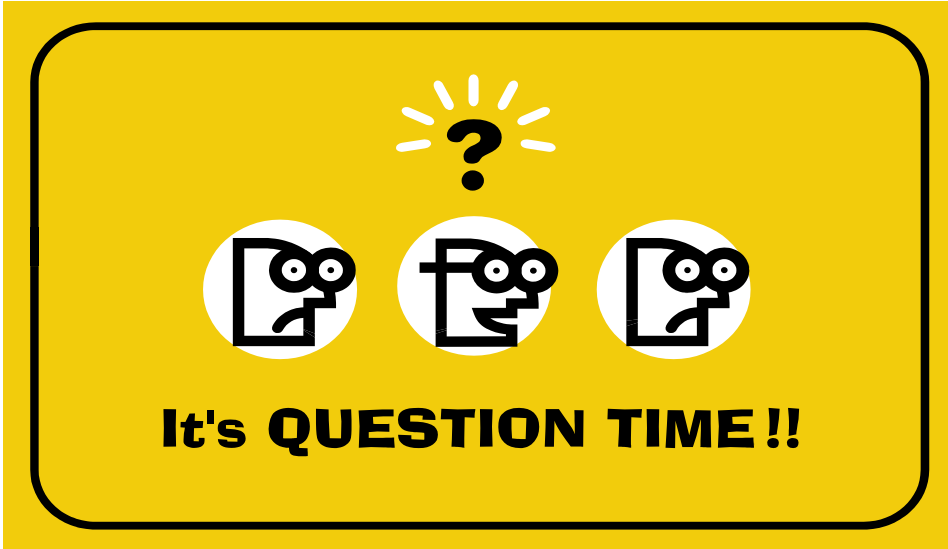
Consultant must develop Engineer’s Opinion of Probable Construction Costs (OPCC) for each phase (30%, 60%, 90%, and 100%) of the project as per the recommendations of AACE International as described in Recommended Practices No. 17R-97 and 56R-08



Cost Estimates – Design Phase

Consultants to develop OPCCs for each design phase as follows:

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%



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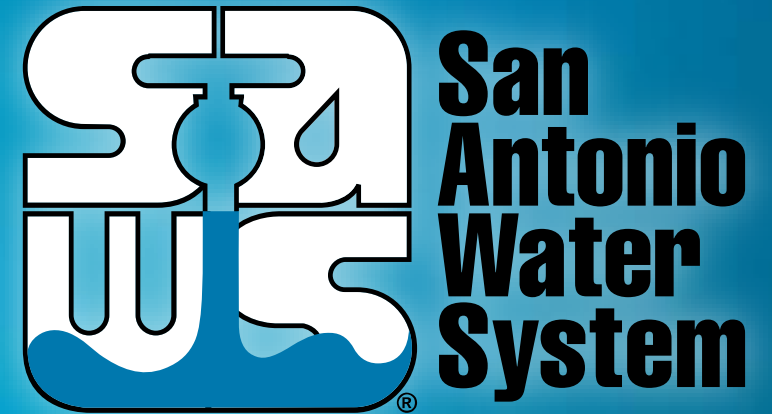
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