

West Sewershed Package I

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Project Engineer

M. Antonio Leyva, P.E.

Manager – Engineering

Stella Manzello

Contract Administrator

Diana Woltersdorf

Manager – Contract Administration

Marisol V. Robles

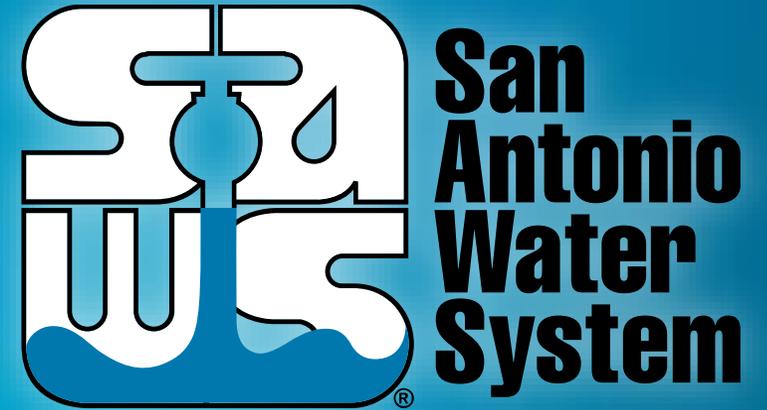
SMWVB Program Manager

David Weikel, P.E.

Project Engineer of Record

David R. Gonzales, CPM

Manager - Construction Inspections



Mandatory Pre-Bid Meeting

September 5, 2018

MAKING SAN ANTONIO
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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 these Projects. Changes, if any, will be addressed in writing only via an Addendum.

Sign-In Sheet

- This is a mandatory pre-bid meeting
- Attendees should provide their contact information on the sign-in sheet
- Only firms that sign-in may submit as a prime contractor for this project
- The sign-in sheet will be posted to the SAWWS website after this meeting

Mandatory Site Visit

- There is a mandatory site visit at 2:00 PM today
- There will be an additional sign-in sheet also posted to the SAWWS website after this meeting
- Attendees must sign-in
- Late or non-attendee(s) will not be allowed to submit a bid for the project.
- Location: Eastbound I-410 Access Road of SW Loop 410
 - Mapping coordinates 29.318849, -98.571976

General Information

- Estimated Cost: \$6,152,765.00
- Calendar Days: 300
- Project is part of the Consent Decree
- Geotechnical Data Report available on the website

Agenda

- Small, Minority, Women and Veteran-Owned Business (SMWVVB) Requirements
- Contract Requirements
- Bid Packet Preparation
- Addendums
- Vendor Registration
- Bid Opening Dates/Time
- Technical Information

SMWVB Program Aspirational Goal

Industry	SMWVB Goal	Description
<p>Heavy Civil/Utility Construction</p>	<p>20%</p>	<ul style="list-style-type: none"> • Typically: Low-Bid • Rarely: CMAR, Design-Build, or RFCSP

Accepted SMWVB Certifications

- Minority Business Enterprise (MBE) (Includes AABE)
- Small Business Enterprise (SBE)
- Woman-owned Business Enterprise (WBE)
- Veteran-owned Business Enterprise (Tracked)

Accepted SMWVB Certification Agency

- **South Central Texas Regional Certification Agency**
(Includes the Texas Historically Underutilized Business “HUB” Program)

Minimum Qualifications for SMWVB recognition:

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

Good Faith Effort Plan (GFEP) FAQs

- **Q: Is the 20% SMWB goal mandatory?**

A: No, but we ask primes to do their best with good faith outreach efforts. If the goal is not met, proof of outreach efforts is required with the bid.

- **Q: What if I am having trouble finding SMWB subcontractors?**

A: Please email the SMWVB Program Mgr. with the scopes of work you are seeking. You will receive lists of local SMWVB-certified firms to contact.

Good Faith Effort Plan (GFEP) FAQs

- **Q: What if my business is SMWVB-certified? Do I need to find SMWVB subs?**

A: If your firm is SMWVB-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: 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. GFEP questions can be asked at any time before deadline.

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

<https://saws.smwbe.com>



Contract Requirements

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

- Certified payroll submitted weekly
- 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 SAWWS

Contract Requirements (*cont.*)

Insurance— Section 5.7 of the General Conditions

- Installation Floater is required
- Compliant prior to executing the contract
- Will ask for insurance prior to Board award to expedite contract execution

Bid Packet Preparation

- Many items are being asked to submit as part of the bid to include:
 - Detailed Baseline Schedule
 - Statement of Bidder's Experience
 - W-9
- Utilize the Bid Packet Checklist (*new version in Addendum*) within the specifications for a comprehensive list of items to be included for Submittal with Bid
- Double check all mathematical calculations and verify all extensions
- References & contact information must be verified prior to submitting
- Acknowledge Addendums on the Bid Proposal (*new version in Addendum*)

Addendum(s)

Revisions, Clarifications, Questions and Answers (Q&A's)

- Questions deadline is September 6, 2018 by 4 P.M.
- Q&A's will be posted on SAWS website on September 11, 2018 by 10 A.M.
- Check our website regularly for the addendum posting.
- It is possible to have multiple addendums during the time frame in addition to the scheduled final addendum

Vendor Registration & Notification (VRN)

Reasons to Register in the VRN

- Receive bid notices directly in your email “Inbox”.
- Download bid documents.
- Subscribe to specific bids.
- Receive addendum notifications.

http://www.saws.org/business_center/vendor/register.cfm

Bid Opening Dates/Times

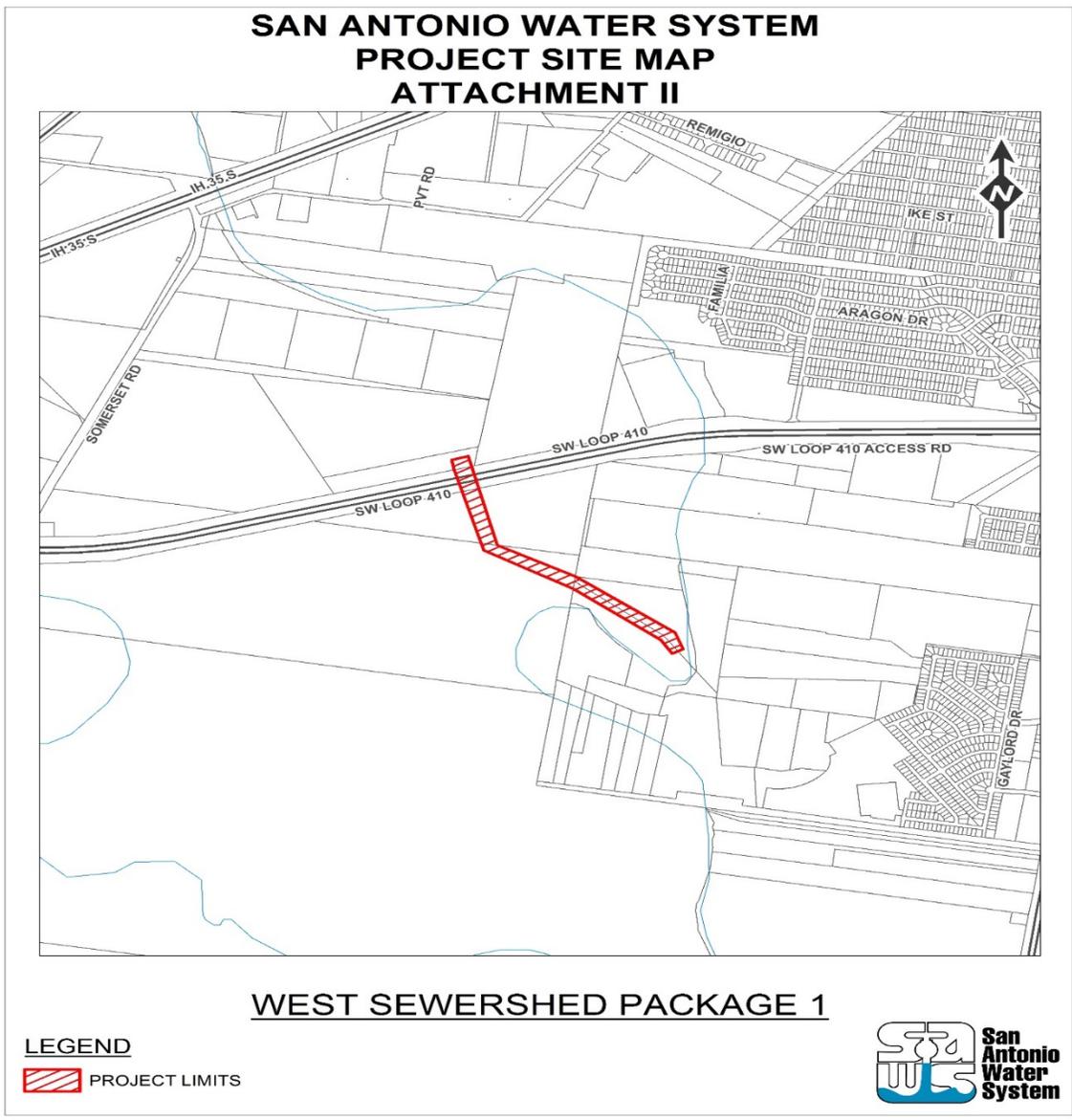
September 14, 2018 at 2:00 P.M.

- Bids may not be late
- Make arrangements if mailing and notify the Contract Administrator
- If delivering in person, bid packets will be turned in at Counter Services
 - Located in Customer Service Building
 - Do not drop off anywhere else unless noted in an Addendum (includes guard station or other tower)

Project Background

- Bid for construction is for a specified contract with rehabilitation of approximately 1.38 miles of parallel 54-inch and 66-inch sanitary sewer mains utilizing cured-in-place (CIPP).
- Contractor is to become familiar with the plans, specifications and the project locations.

Project Map



Supplemental Conditions

- Contractor shall perform the work with its own organization on at least 40% of the total original contract price.
- Liquidated damages will be assessed as follows for final completion extending beyond contract time:

Liquidated Damages Charges		
Category	Duration (days)	Charge (\$) per day
Tier 1	1-7	\$460.00
Tier 2	8-14	\$540.00
Tier 3	15-21	\$600.00
Tier 4	22-28	\$640.00
Tier 5	29-35	\$670.00
Tier 6	36-42	\$690.00

- Any days tallied after 42 days will be assessed as a Tier 6 rate.
- Include any other supplemental conditions pertinent to the project.

Special Conditions

- Reconstruction of the existing siphon inlet structure should be done during dry weather condition.
- Final completion of all pipe segments shall be achieved in 300 calendar days.
- Contractor should perform work within permanent easements.
- Submittals can be submitted as soon as receiving notification of contract award after CPMS training (if necessary) has been completed.

Project Summary

- TX DOT permit and Tree permit.
- Right-Of-Entries (ROEs) have been obtained where private property access may be necessary. ROEs are located in the Special Conditions.
- The contractor is to become familiar with the plans, specifications and the project site.
- Suggested bypass plans and tree canopy assessment are included in the design.
- Soil conditions are unclassified.

Property Owner & Stakeholder Coordination

Project Area Overview

- ROEs obtained for all 5 property owners along project area
- Coordination required between 3 agencies: SAWWS, TxDOT, and CPS



Property Owner & Stakeholder Coordination

TxDOT

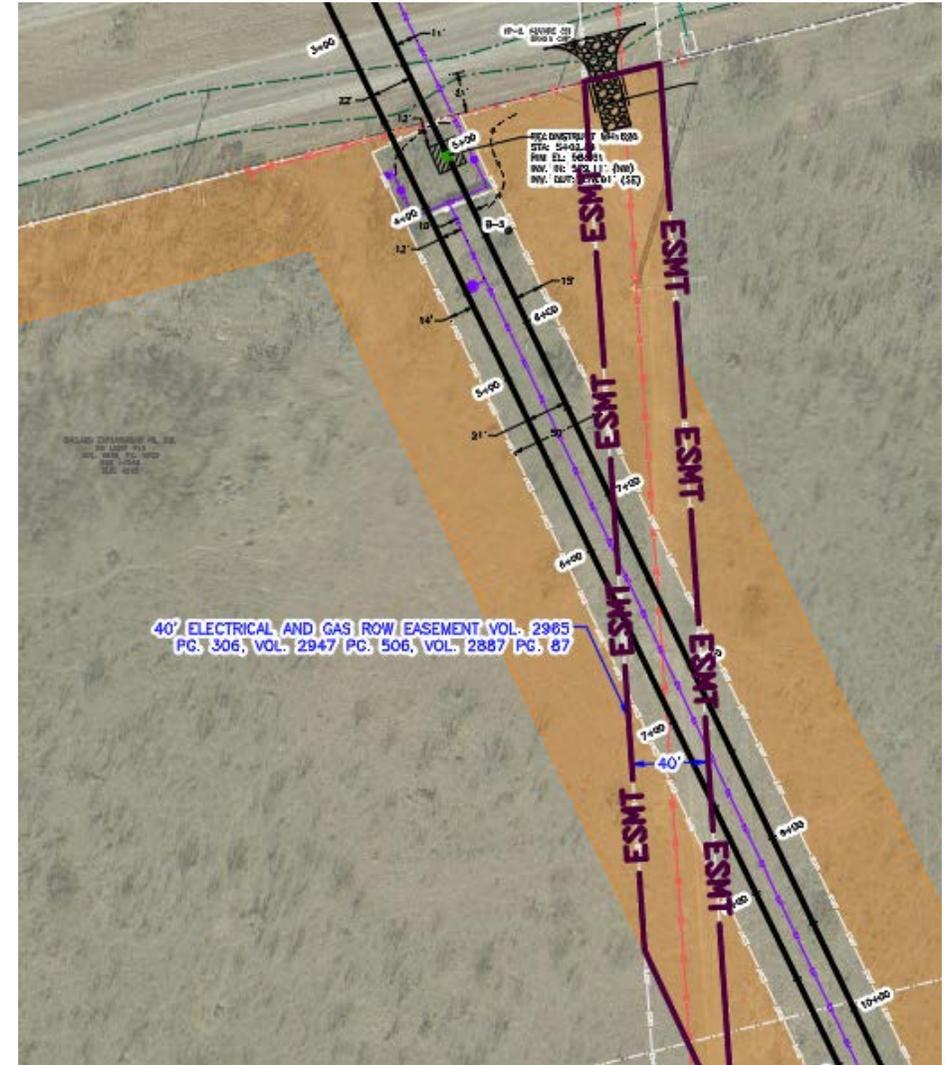
- TxDOT permits available in CPMS



Property Owner & Stakeholder Coordination

CPS

- CPS gate shared with SAWS
- Overhead electric pole to be protected with Jersey Barriers (NSPI)
- See CPS Notes, Sheet 2 of Plan Set



EXPLANATION

<u>EXISTING</u>		<u>PROPOSED</u>	
	RECYCLED WATER LINE		REHABILITATED SANITARY SEWER LINE WITH FLOW DIRECTION
	PARCEL BOUNDARY		WORK AREA
	EASEMENT BOUNDARY		

Property Owner & Stakeholder Coordination

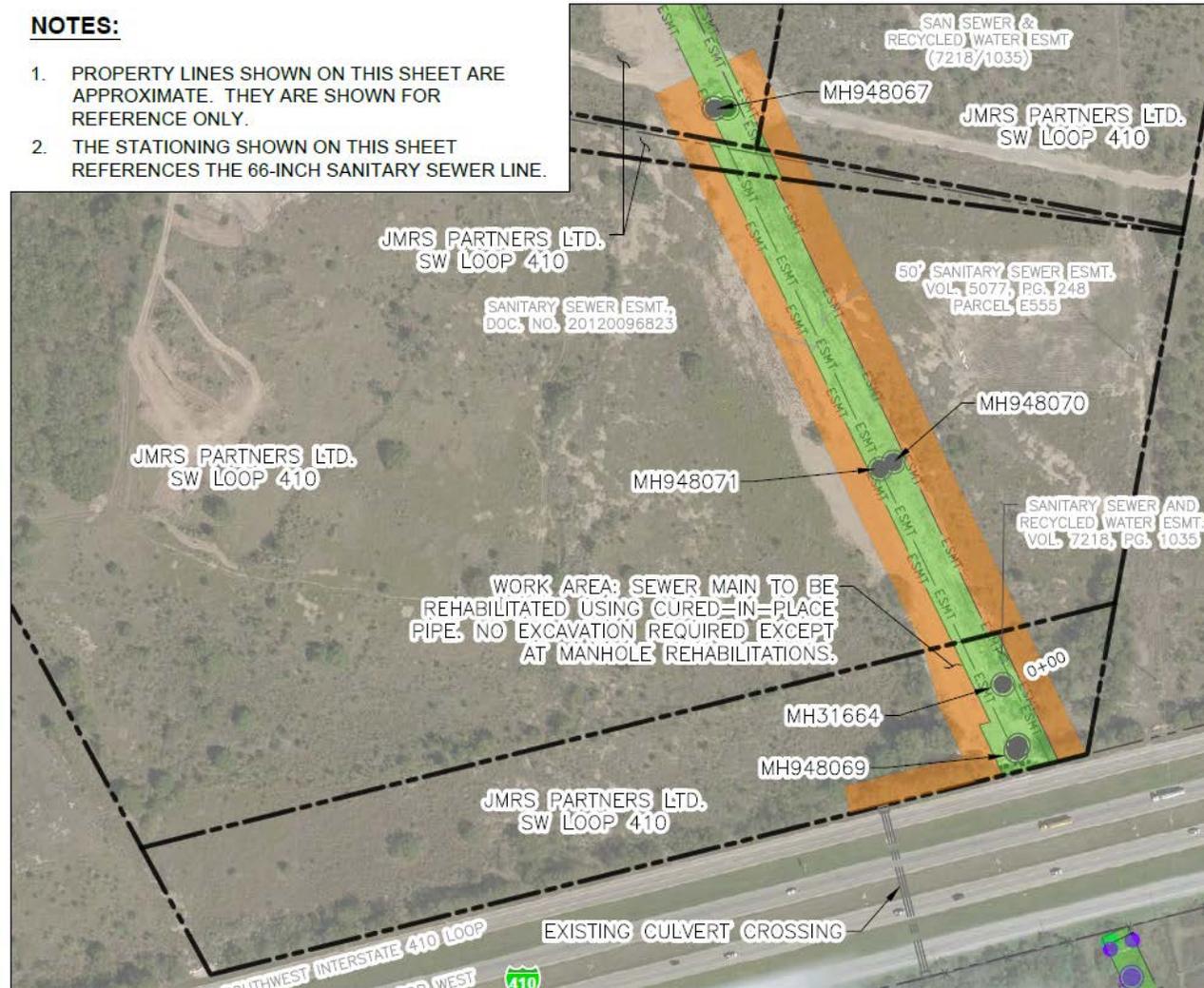
JMRS Partners, LTD

- ROE Acquired

NOTES:

1. PROPERTY LINES SHOWN ON THIS SHEET ARE APPROXIMATE. THEY ARE SHOWN FOR REFERENCE ONLY.
2. THE STATIONING SHOWN ON THIS SHEET REFERENCES THE 66-INCH SANITARY SEWER LINE.

EXISTING		PROPOSED	
	EASEMENT		EXHIBIT PARCEL BOUNDARY
	PARCEL BOUNDARY		WORK AREA

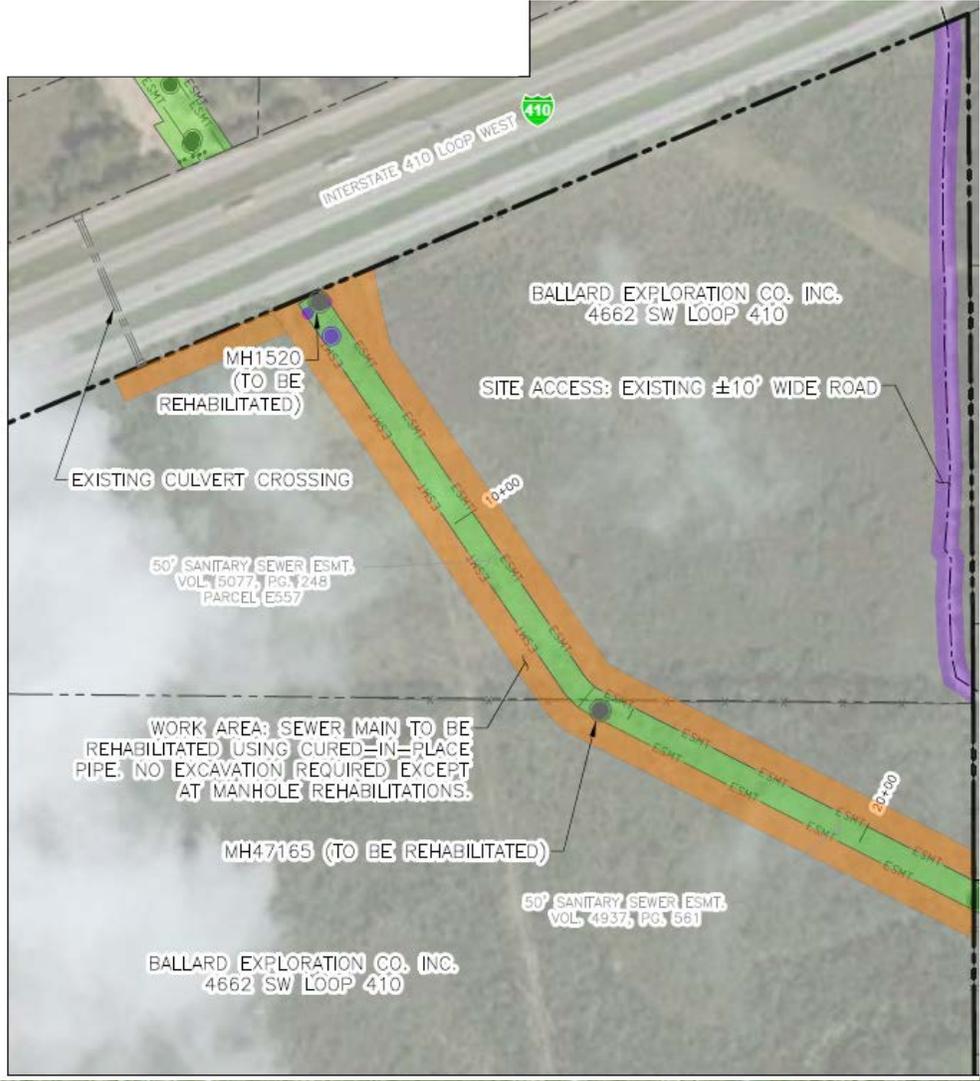


Property Owner & Stakeholder Coordination

Ballard Exploration CO. INC.

- ROE Acquired
- 2 entry points
 - Second entry leads to siphon inlet box

EXISTING		PROPOSED	
	EASEMENT		EXHIBIT PARCEL BOUNDARY
	PARCEL BOUNDARY		WORK AREA
			SITE ACCESS



Property Owner & Stakeholder Coordination

Arellano, Silvia L Gomez

- ROE Acquired

EXISTING		PROPOSED	
	EASEMENT		EXHIBIT PARCEL BOUNDARY
	PARCEL BOUNDARY		WORK AREA
			SITE ACCESS

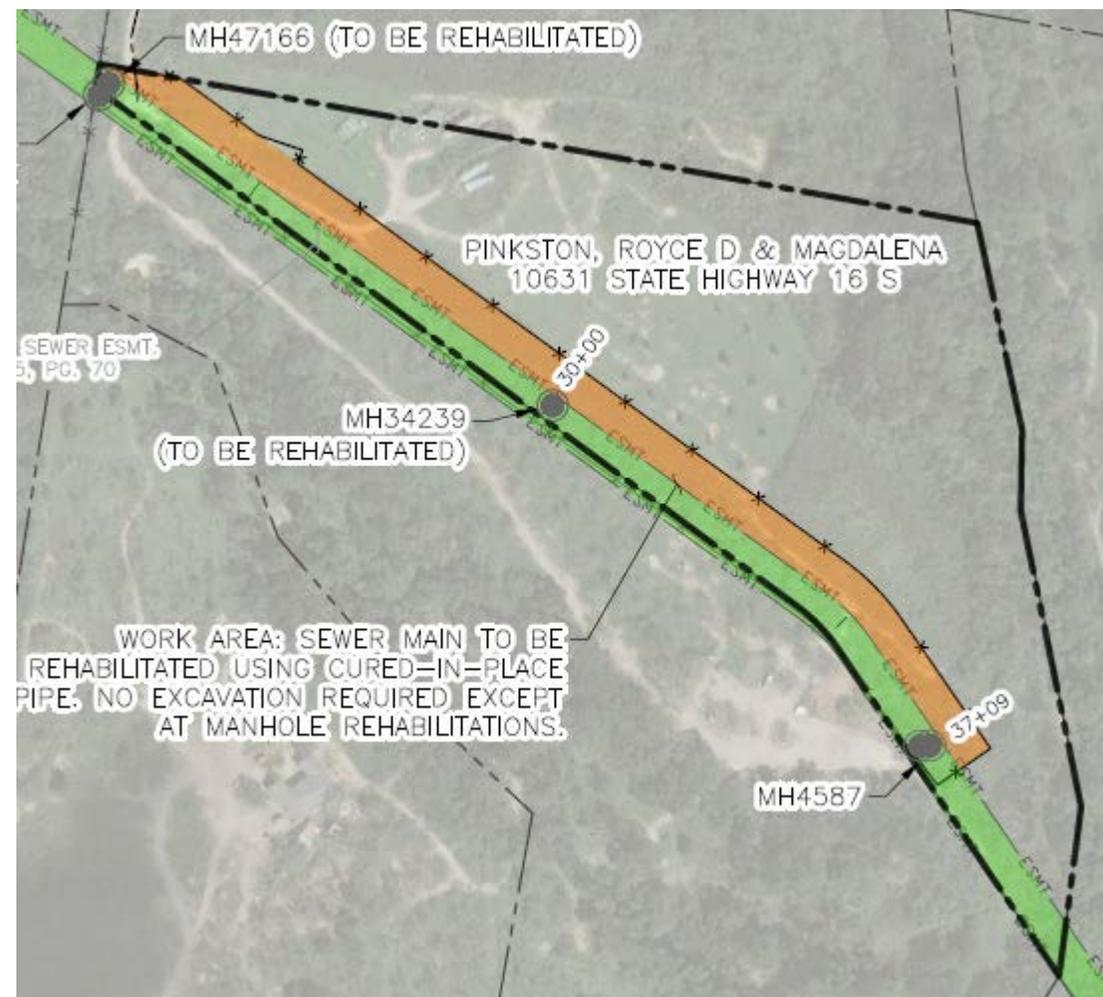


Property Owner & Stakeholder Coordination

Pinkston, Royce D & Magdalena

- ROE Acquired
- Livestock on property
- Pecan grove on property
- Beehives on property
 - Will be moved by property owner
- Project termination at siphon inlet box

EXISTING		PROPOSED	
	EASEMENT		EXHIBIT PARCEL BOUNDARY
	PARCEL BOUNDARY		WORK AREA

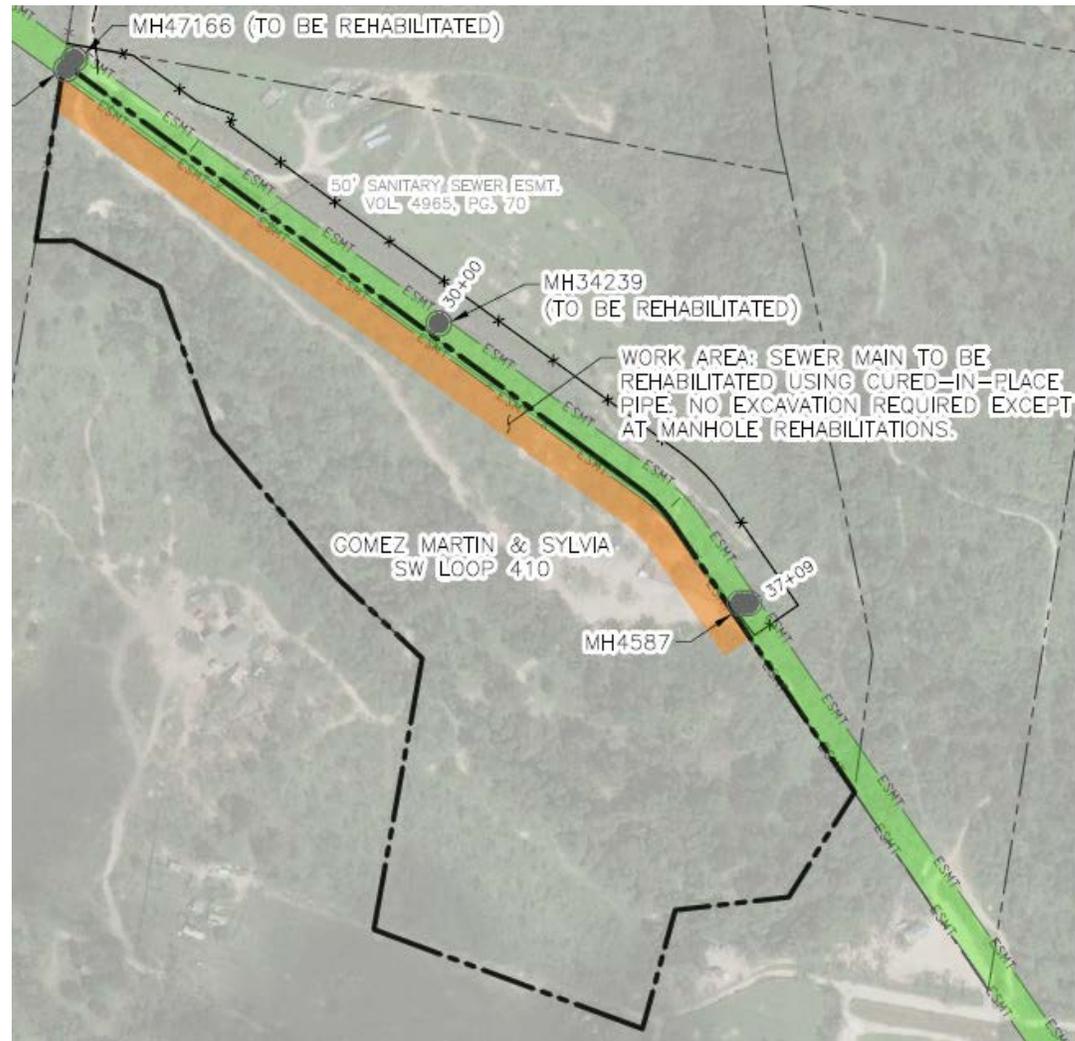


Property Owner & Stakeholder Coordination

Gomez, Martin & Sylvia

- ROE Acquired
- Livestock on property

EXISTING		PROPOSED	
	EASEMENT		EXHIBIT PARCEL BOUNDARY
	PARCEL BOUNDARY		WORK AREA



Unique Features

Recycled Water

- Use caution when working near or using recycled waterline (RW)
- 42" and 36" RW between sewer pipes – Varying 6'-12' of clearance
- RW is supplying water to Toyota Plant and cannot be interrupted
- Contractor must coordinate with SAWS inspector before beginning excavation or accessing RW

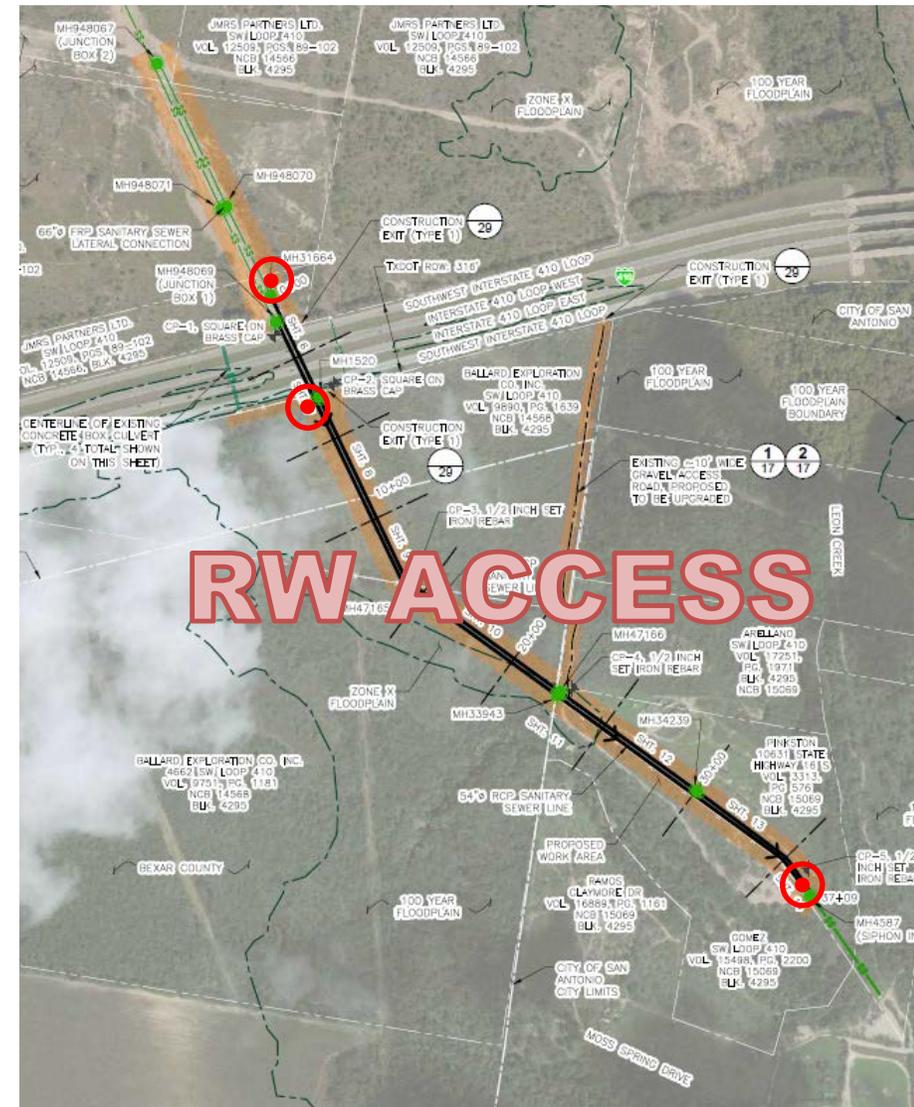


RW CLEARANCE

Unique Features

Recycled Water Cont.

- Contractor may use RW to provide construction water for CIPP
- Contractor may not pressure tap RW
- Contractor may use existing RW appurtenances:
 - 4" blow-off hydrant ~STA 0+00
 - 6" combination ARV ~STA 5+00
 - 4" blow-off hydrant ~STA 36+50



Unique Features

Recycled Water Cont.

- Contractor shall coordinate use of RW with SAWS Dos Rios team
- Contractor shall follow established coordination procedures with SAWS and other external agencies with RW use



RW ACCESS

Unique Features

Recycled Water Cont.

- Temple Williamson
– 210.233.3447
- Roland Gutierrez
– 210.233.3194



CELEBRATING 30 YEARS OF INNOVATION

Project Area

Work Area

- 50' Existing Sanitary Sewer (SS) and RW easement
- Additional 50' temporary ROE agreement on both sides of existing SS easement
- Approx. 50' along both sides of Loop 410
 - From existing SS easement to 3 barrel culvert crossing for bypass pumping



EASEMENT & ROE

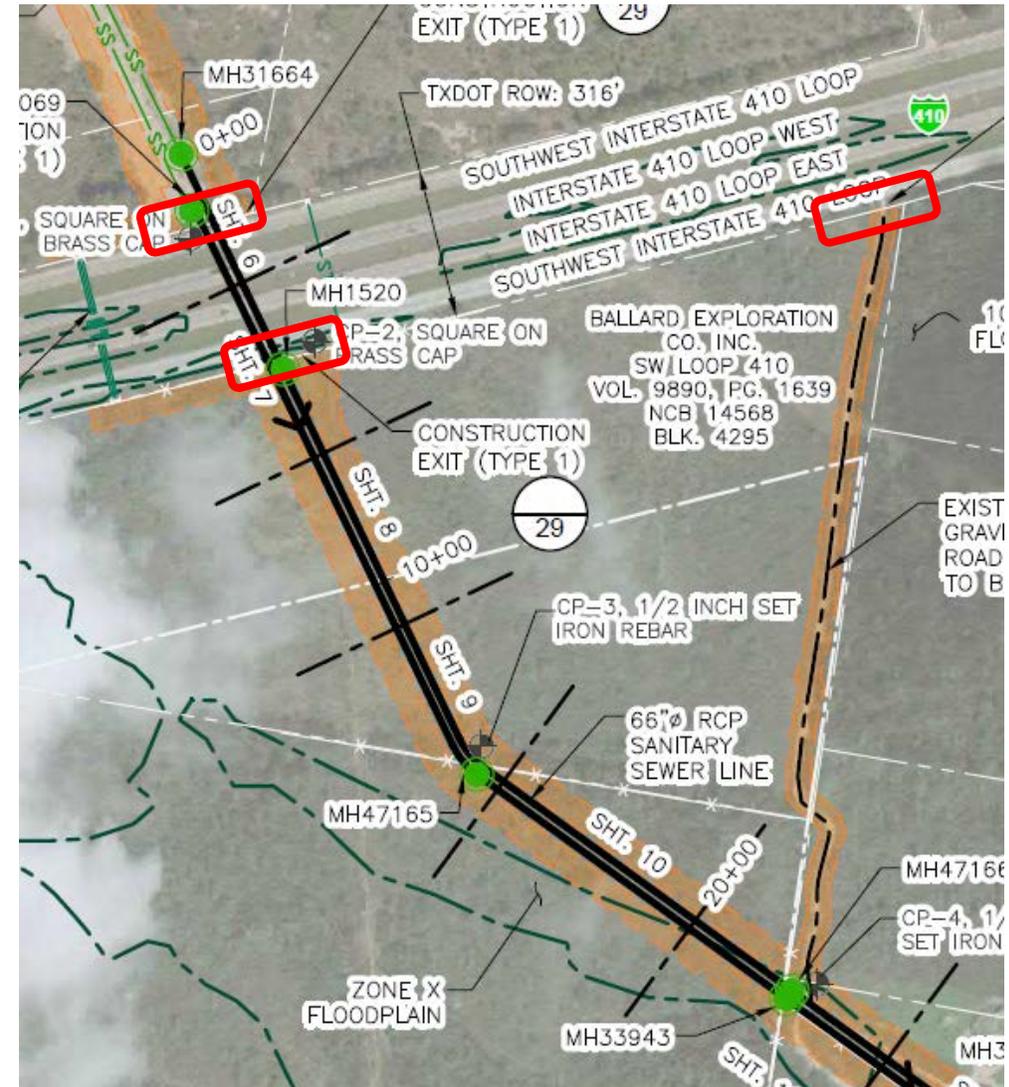


ALONG LOOP 410

Project Area

Temporary Project Ingress/Egress

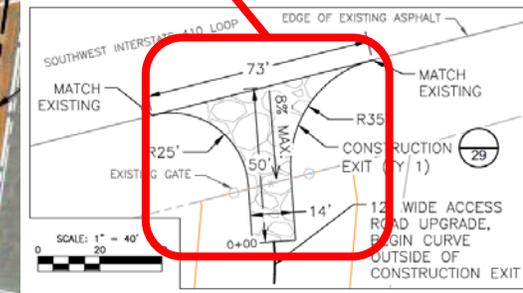
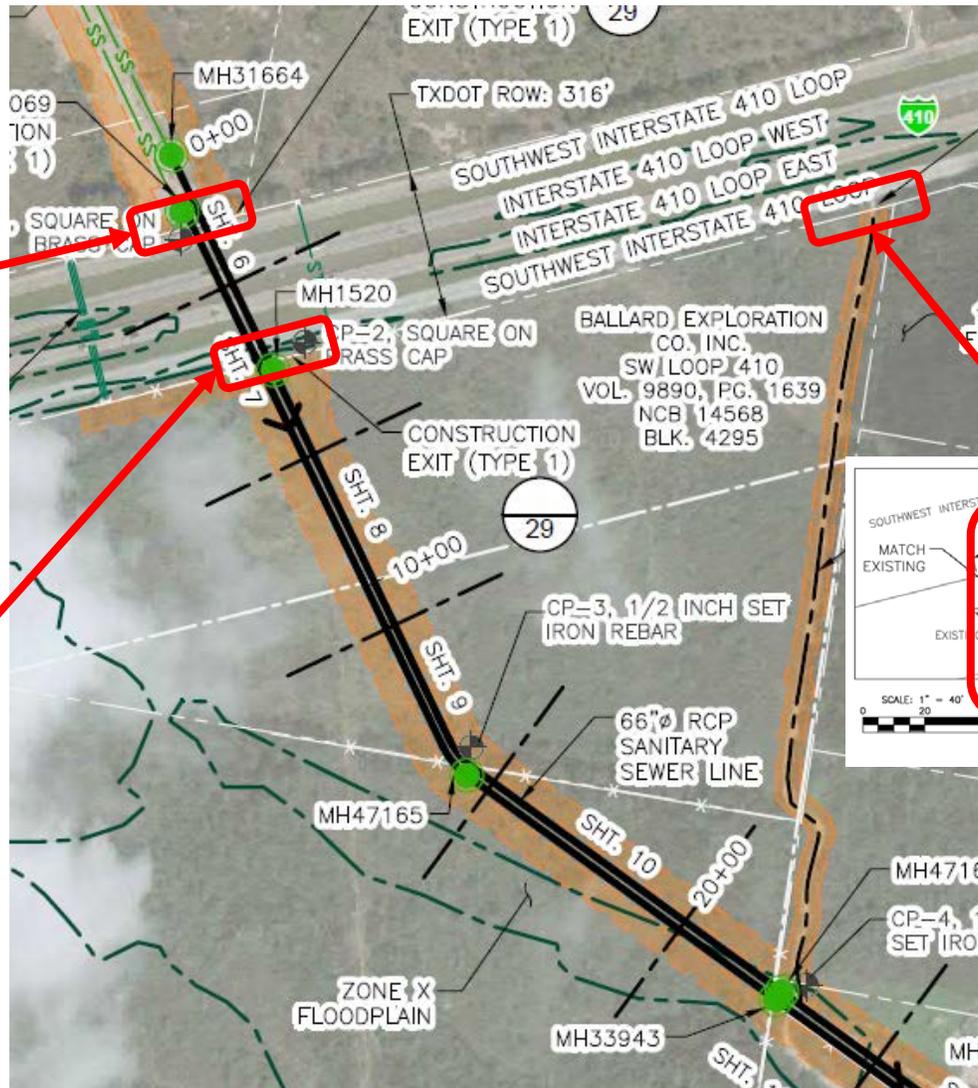
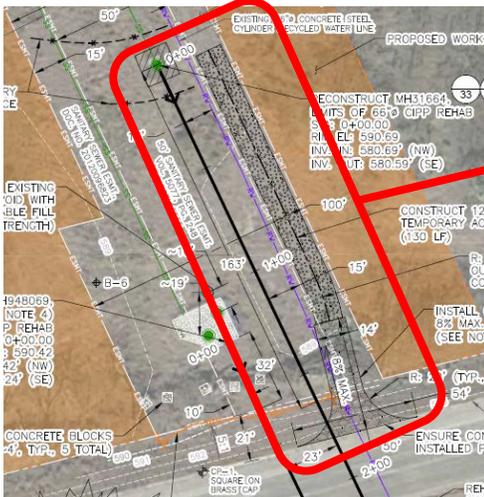
- From westbound Loop 410 access road at existing SS easement
- From eastbound Loop 410 access road
 - At existing CPS overhead electric easement
 - To existing gravel access road at east end of Ballard Exploration Co. Property



EASEMENT & ROE

Project Area

Temporary Project Ingress/Egress Cont.



CONSTRUCION EXITS

Suggested Sequence / Bypass / Flow Management

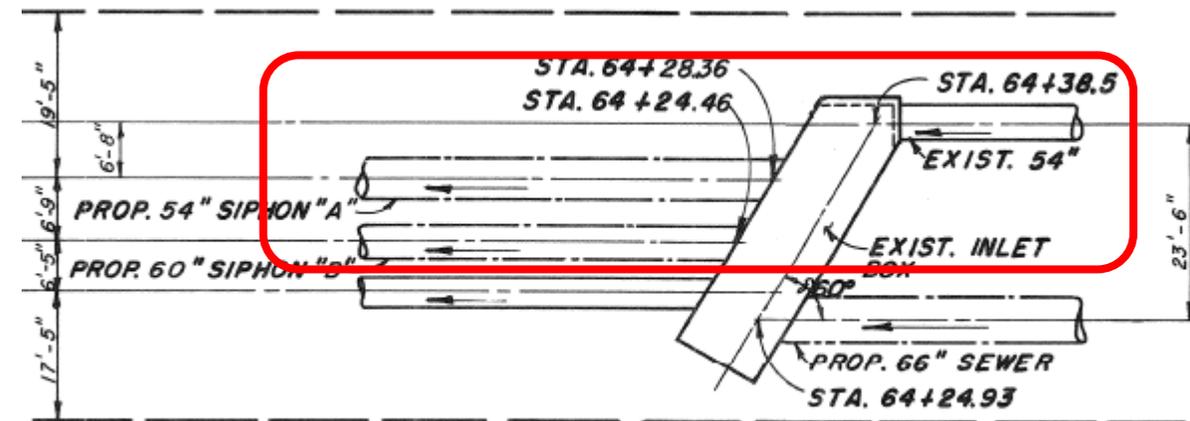
Phase I – 66” SS Bypass

- Contractor to install flow management measures including bypass pumping to complete the rehabilitation of the existing 66” SS main by CIPP from STA 0+00 to STA 30+05
- Bypass pumping shall be based on the difference between peak wet weather flow and peak dry weather flow of both the 66” and 54” SS mains
- To complete the rehabilitation of the existing 66” SS main by CIPP from STA 30+05 to STA 37+09, CIPP installation shall only be allowed during dry weather flow conditions

Suggested Sequence / Bypass / Flow Management

Phase I – 66" SS Bypass Cont.

- Contractor shall install a temporary flow diversion wall within the existing siphon inlet box (MH 4587) to isolate discharge flow into the 54" side of the box
- 2 of the 3 existing siphon barrels must remain operational at all times for diverted flow



**SIPHON INLET BOX
54" FLOW ISOLATION**

Suggested Sequence / Bypass / Flow Management

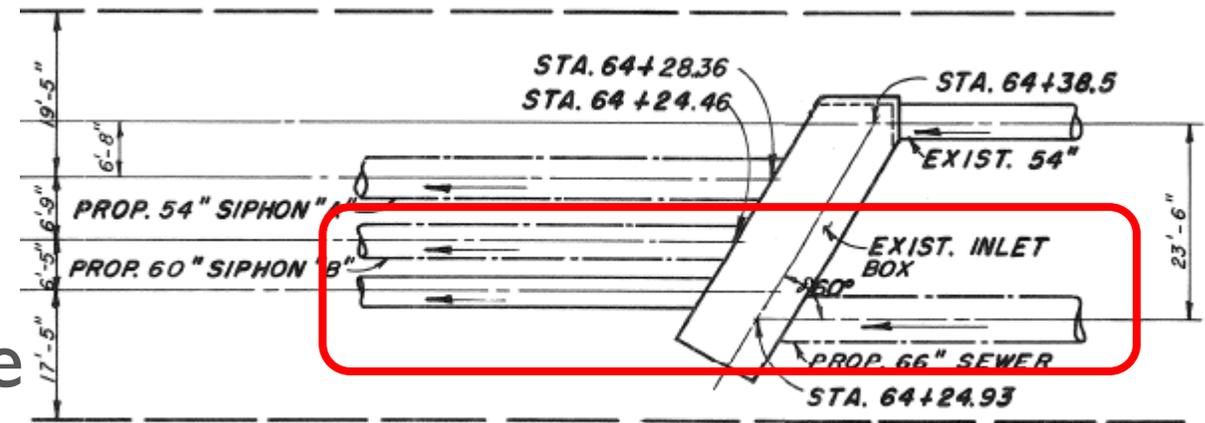
Phase II – 54” SS Bypass

- Contractor to install flow management measures including bypass pumping to complete the rehabilitation of the existing 54” SS main by CIPP from STA 0+00 to STA 21+39
- Bypass pumping is not required; flows shall be diverted to the 66” SS main
- To complete the rehabilitation of the existing 54” SS main by CIPP installation shall only be allowed during dry weather flow conditions

Suggested Sequence / Bypass / Flow Management

Phase II – 54" SS Bypass Cont.

- Contractor shall install a temporary flow diversion wall within the existing siphon inlet box (MH 4587) to isolate discharge flow into the 66" side of the box
- 2 of the 3 existing siphon barrels must remain operational at all times for diverted flow



SIPHON INLET BOX
66" FLOW ISOLATION

Suggested Sequence / Bypass / Flow Management

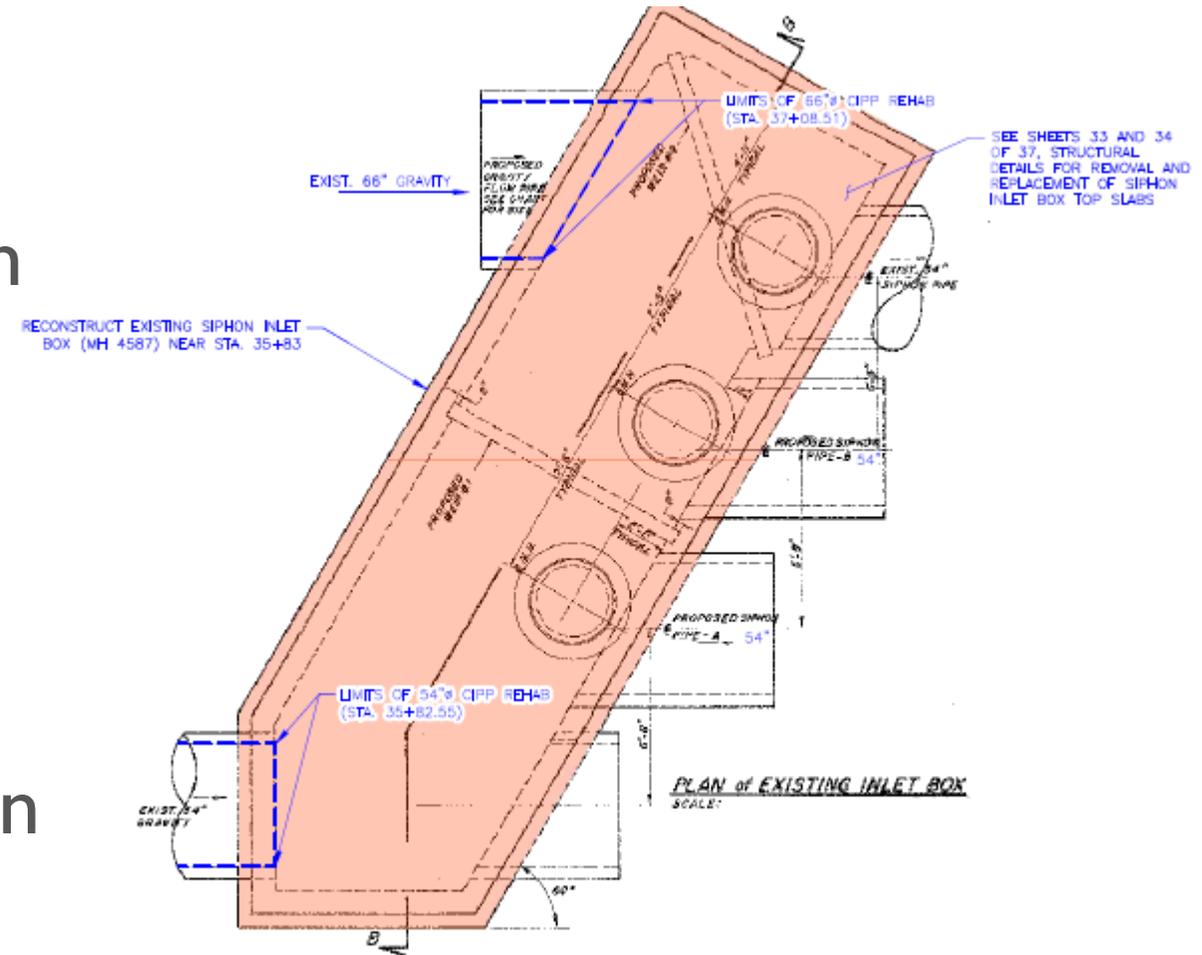
Phase III – Siphon Inlet Box (MH 4587) Flow Management

- Contractor to install flow management measures to complete rehabilitation of the existing siphon inlet structure box
- Interior reconstruction of the existing siphon inlet box shall only be allowed during dry weather flow conditions
- 2 of the 3 existing siphon barrels must remain operational for diversion of flow during interior reconstruction of the box
- Contractor shall install temporary diversion walls within the box, dividing the box and isolating incoming flows for the section of the box under reconstruction

Reconstruction of Existing SS Structures

Siphon Inlet Box

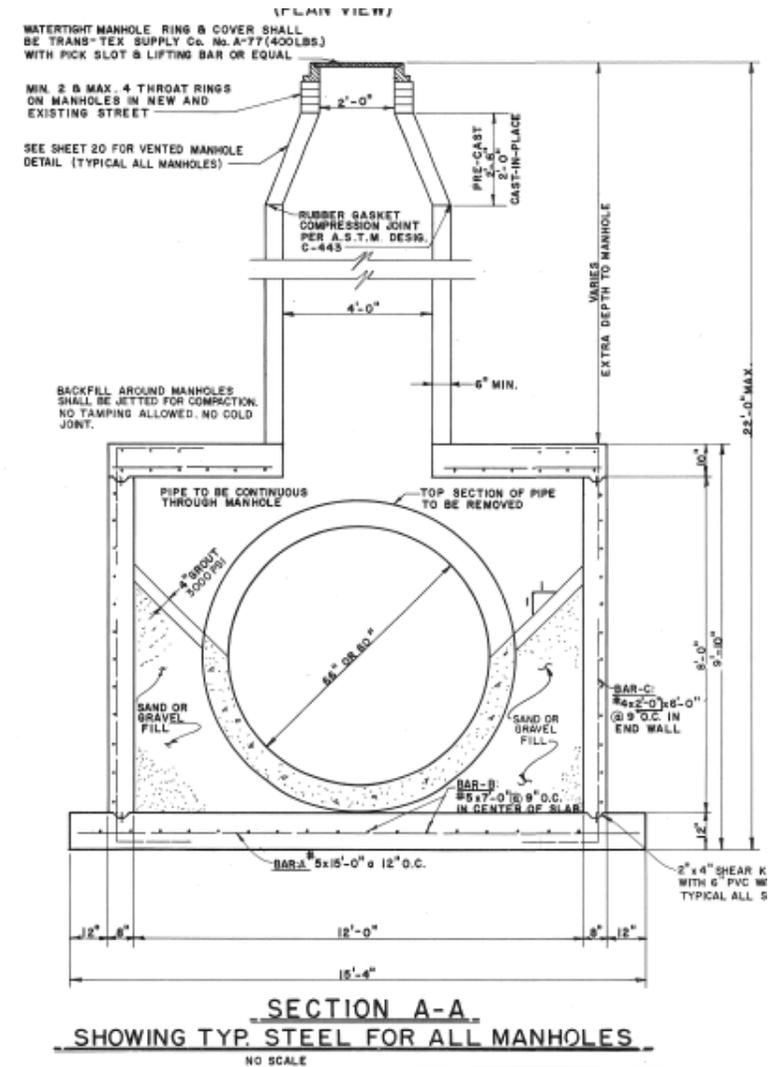
- Required submittal of inlet box condition and rehabilitation plan
- Approval of plan by Engineer required prior to beginning rehabilitation on inlet box
- See structural details for suggested manhole rehabilitation
 - Sheets 24, 33, & 34



Reconstruction of Existing SS Structures

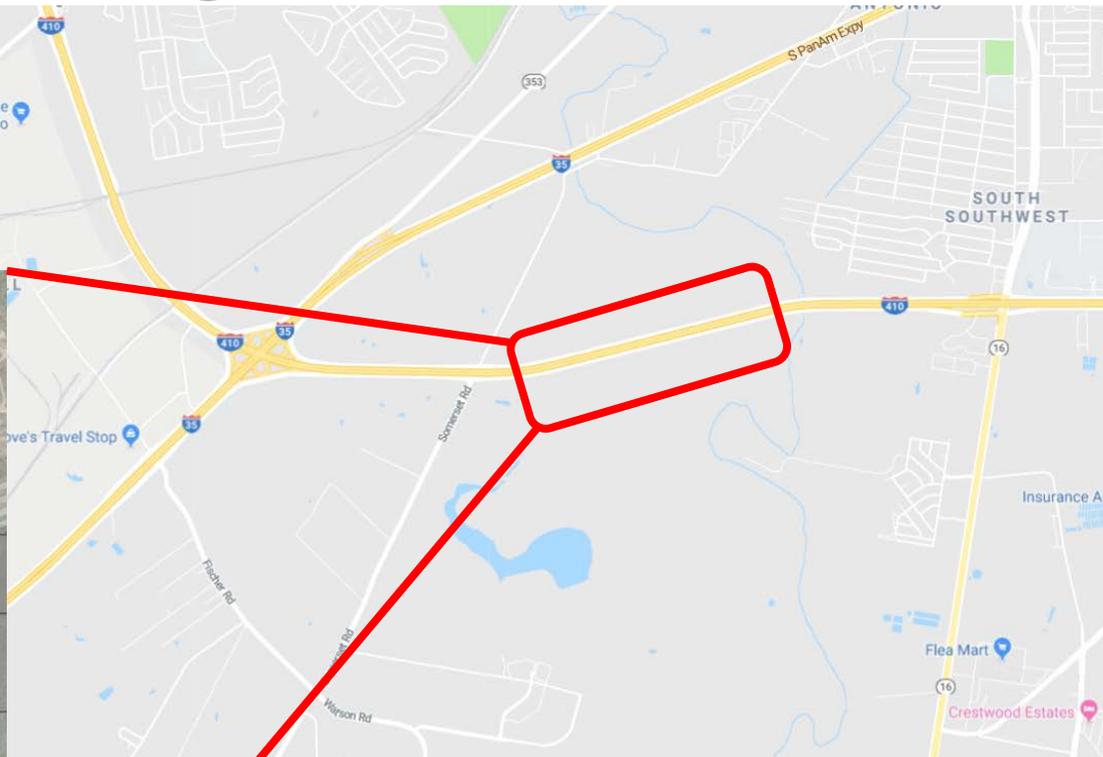
Manhole Structures

- Required submittal of manhole condition and rehabilitation plan, for each manhole
- Approval of plan by Engineer required prior to beginning rehabilitation on any manhole
- See structural details for suggested manhole rehabilitation, Sheets 33 - 35



Mandatory Site Walkthrough

2:00 Today



- Site inaccessible without SAWS
- Multiple gates
- GPS meeting location

Contract Background

- Prior to commencing work, contractor must submit and receive approval of the following:
 - Contractor's Site Specific Health & Safety Plan and Contractors' QA/QC Plan
 - Bypass plan
 - Traffic control plan
 - Construction Schedule
 - Pre-site video
 - Lease agreement
- There will be one pre-construction meeting.
 - Remaining submittals will be required
- Contractor must submit a Work Progress Schedule within 10 days of NTP and monthly thereafter.
- Contractor will be responsible for obtaining additional ROEs.

Contract Background

External Agency Permit Requirements

- Contractor to follow requirements identified in permits.
- Changes in field that are cited by a CoSA or TXDOT Inspector will require concurrence and approval from the SAWS Inspector first.
- If contractor wants to work weekends, notification is required 48 hrs. in advance to SAWS Construction Inspections. Requests should be send to constworkreq@saws.org

Contract Background

- All RFI's, RFP's, submittals, and any other items related to construction must be uploaded and processed via CPMS
- No work can be performed by the contractor unless the cost for that line item is on the contract.
- All traffic control plans must be submitted and approved by CoSA or TXDOT; whichever is applicable.
- Change orders, if any, will be based on negotiated prices not in the bid proposal.
 - Negotiated using RS Means

Contact Information

<u>Contact Name</u>	<u>Title</u>	<u>Telephone Number</u>	<u>Fax Number</u>	<u>Email address</u>
Stella Manzello	Contract Administrator	210-233-3854	210-233-4290	Stella.Manzello@saws.org
Marisol Robles	SMWVB Program Manager	210-233-3420	210-233-4988	Marisol.Robles@saws.org

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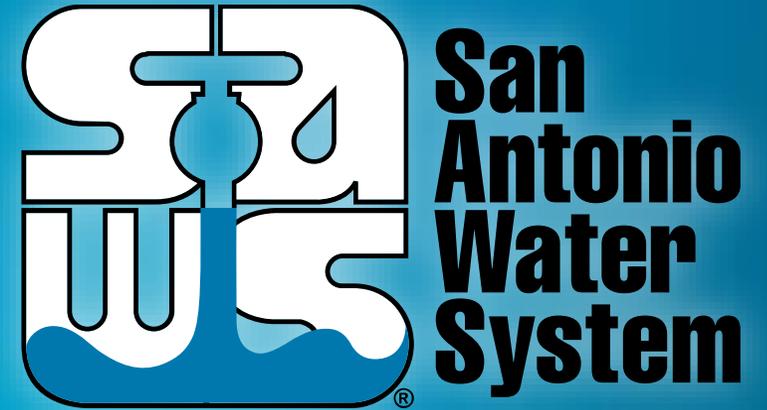
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