

# Multiple Sewershed Package 17B Project (CO-00442)

Alla Korostyshevsky, P.E.

Pipelines – SSO Condition and Water Projects

Janie Powell

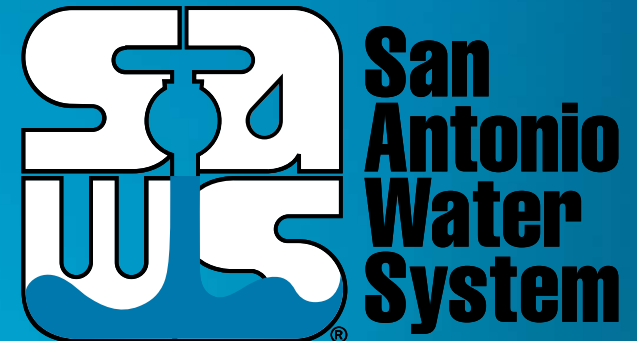
Contract Administrator

Marisol V. Robles

SMWVB Program Manager

Alan Swartz, P.E.

Plummer Associates, Inc



Non- Mandatory Pre-Bid Meeting

April 6, 2022

MAKING SAN ANTONIO  
**WATERFUL**



# WebEx Reminders

- 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.
  - Ensure to direct your questions to the entire group by selecting everyone from the drop down.
  - All formal responses to questions will be provided via an Addendum.
- 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.

# Agenda

- General Information
- SMWB Requirements
- Contract Solicitation Website
- Vendor Registration & Notification (VRN)
- IFB Schedule
- Contract Requirements
- Bid Packet Preparation
- Bid Opening Procedures
- Key Reminders
- Contact Information
- Contract Background
- Project Background
- Project Details
- Project Requirements
- Questions

# General Information

- This is a Non-Mandatory pre-bid meeting
- This presentation has been posted and the attendance sheet will be posted, at the end of this meeting, to the SAWWS website
- Construction services being procured through low bid under Chapter 2269 of the Texas Government Code
- Key Project Information:
  - Construction Estimate: \$4,823,286.00
  - Calendar Duration: 502 days

# Aspirational SMWB Goal

Industry	Aspirational SMWB Goal
Construction	20%

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

## Minimum Qualifications for SMWB recognition:

- South Central Texas Regional Certification Agency
  - Must be SBE-Certified (including MBEs and WBEs)
  - Texas Historically Underutilized Business “HUB” Program
- Local Office or Local Equipment Yard
  - Atascosa, Bandera, Bexar, Comal, Frio, Guadalupe, Kendall, Kerr, McMullen, Medina, Uvalde and Wilson

# 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: The SCTRCA has a search portal at [www.sctrca.sctrca.org](http://www.sctrca.sctrca.org). Please make sure to include SAWWS-specific parameters in your search. Contact Marisol Robles at [Marisol.Robles@saws.org](mailto:Marisol.Robles@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, even those that may not count towards the SMWB goal.

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

A: Please contact the SMWB 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.



# 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>

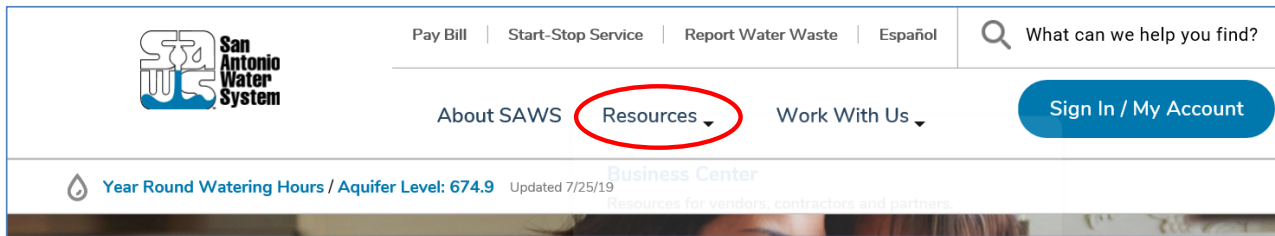


Multiple Sewershed Package 17B Project

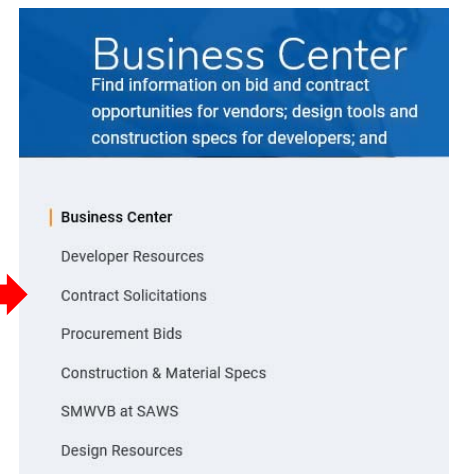


# Contract Solicitations Website

- 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




- At the left-hand menu choose Contract Solicitations



# Contract Solicitations Website

- Choose the specific project
- The following buttons are located under the advertisement:
  - \*Notify Me - Subscribe
  - Plan Holder’s List – View List
  - Downloads
    - Specifications
    - Plans
    - Addendums
    - Engineering Reports






**Non-Mandatory  
Pre-Bid Meeting**

10:00 AM, Tuesday Aug. 6, 2019


San Antonio Water System Customer Service  
Building, 2800 U.S. Hwy 281 N, San Antonio,  
Texas 78212; Conference Room CR-C145



**Notify Me**

Receive updates sent straight to your inbox.

[Subscribe](#)



**Plan Holders List**

View plan holders list.

[View List](#)


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**Downloads**

**Specifications**

Jul. 31, 2019

Note: You must be logged in to access this document.




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**Plans**

Jul. 31, 2019

Note: You must be logged in to access this document.



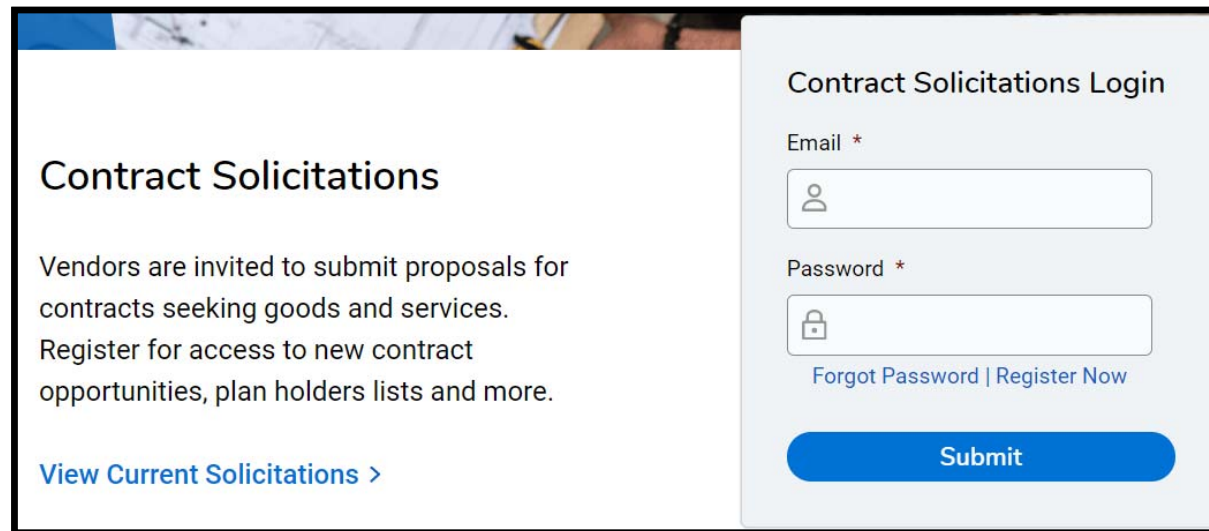
\* To receive updates on specific projects, registered vendors must 'Subscribe' to the project by selecting the project, and clicking 'Subscribe' under the Notify Me box

## Multiple Sewershed Package 17B Project



# Vendor Registration & Notification (VRN)

- Please register through SAWS Vendor Registration Program on the SAWS website at [Business Center - San Antonio Water System \(saws.org\)](https://www.saws.org) to ensure access to the latest information.



**Contract Solicitations**

Vendors are invited to submit proposals for contracts seeking goods and services. Register for access to new contract opportunities, plan holders lists and more.

[View Current Solicitations >](#)

**Contract Solicitations Login**

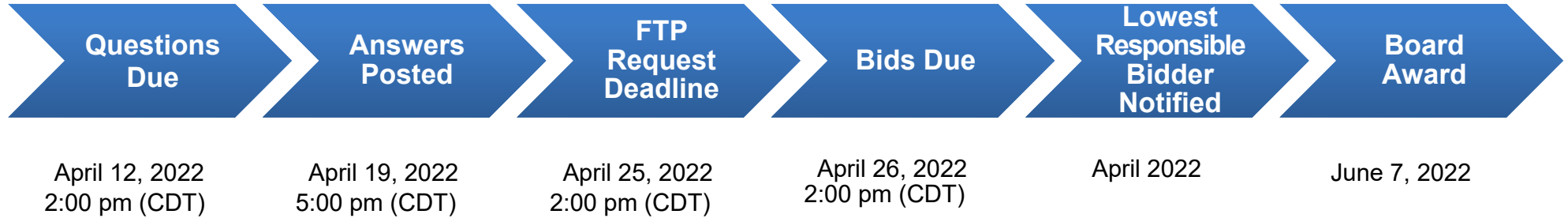
Email \*

Password \*

[Forgot Password | Register Now](#)

**Submit**

# IFB Schedule



Multiple Sewershed Package 17B Project



# 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
- Contractors are responsible for sub-contractor payroll
- Late payrolls delay contractor payments from SAWS, 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

# Contract Requirements

- Insurance requirements are found in Section 5.7 of the GCs  
**Supplemental Conditions**
  - **Installation Floater** coverage required in lieu of Builder's Risk
- Maintain insurance coverage during the construction of this Project
- Compliant prior to executing the contract
- Will ask for insurance prior to Board award to expedite execution of the contract
  - Any deficiencies must be corrected prior to Board award

# Contract Requirements

## Supplemental Conditions (Continued)

### Apparent Low Bidder (Continued)

- To provide the following within one (1) business day of bid opening
  - Statement of Bidder's Experience Form
    - Projects to have been completed by the Bidder.
    - Projects must have been completed within the last 5 years
    - Record of performance on three (3) similar projects
      - A-1 Minimum of 1,500 LF by Pipe Bursting 8" sewer mains within residential areas
      - A-2 Minimum of 1,500 LF by Open Cut for 6", 8", 10", 12" and 15" sewer mains within residential areas
      - A-3 Minimum of 1,000 LF by Pipe Bursting and Open Cut for 8", 10", 12" and/or 15" sewer within TxDOT ROW
      - No repetitive projects
    - Ensure all project reference contact information provided is current and valid prior to submitting.
  - Detailed Baseline Schedule
    - Estimated notice to proceed (NTP) date of June 22, 2022



# Contract Requirements

## Supplemental Conditions (Continued)

- 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.

Prime Contractor's Percentage of Participation: (Ex: 100% is the total value of the contract.) \_\_\_\_\_ %

- Liquidated damages will be assessed at \$770.00 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 Addenda
    - Executive Order
  - Signed Proposal Certification
  - Bid Bond
  - Good Faith Effort Plan

# Bid Packet Preparation

## Apparent Low Bidder

- Notified within 24 hours of Bid Opening
  - To provide the following within one (1) business day
    - Conflict of Interest Questionnaire - Form CIQ (Rev. 1/1/2021)
    - Proof of Insurability
    - Company Information Packet
    - Statement regarding ability to complete the project
    - W-9
    - Bid Bond\*
- \*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 for specified line items (I-I35)
- Addendums are acknowledged on the Bid Proposals
  - Check our website regularly for addendum postings
  - It is possible to have multiple addendums during the time frame in addition to the scheduled final addendum

# Bid Opening Procedures

- Bids will be submitted using SAWS' electronic bid opening procedures
- SAWS encourages and prefers the submission of electronic bids using its secure FTP site.
  - Bidders should submit a request via email to obtain access to the site no later than 24 hours before the 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

# Key Reminders

- All questions should be sent in writing to the corresponding Contract Administrator 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-00442)
- Ensure to acknowledge all Addenda in the Bid Proposal Signature Page. Known Addenda:
  - Response to questions
  - Modify SBE A-2A-2 Minimum of 1,500 LF by Open Cut for 6”, 8”, 10”, 12” and/or 15” sewer mains within residential areas

# Contact Information

<u>Contact Name</u>	<u>Title</u>	<u>Telephone Number</u>	<u>Email address</u>
Janie M. Powell	Contract Administrator	210-233-2443	<a href="mailto:Janie.Powell@saws.org">Janie.Powell@saws.org</a>
Marisol V. Robles	SMWVB Program Manager	210-233-3420	<a href="mailto:Marisol.Robles@saws.org">Marisol.Robles@saws.org</a>

## 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

# Contract Background

- Sealed bids are requested by the San Antonio Water System (SAWS) for the construction of approximately 11,111 linear feet of 8”, 10”, 12” and 15” existing sanitary sewer main to be rehabilitated by pipe bursting (7,634 LF), open cut replacement (3,477 LF) , and associated manhole improvements for the Multiple Sewershed Package 17B, SAWS Job No. 21-4525.
- Project is part of the EPA Consent Decree (see Special Conditions)
- Contractor is to become familiar with the plans, specifications, and project location

Multiple Sewershed Package 17B Project

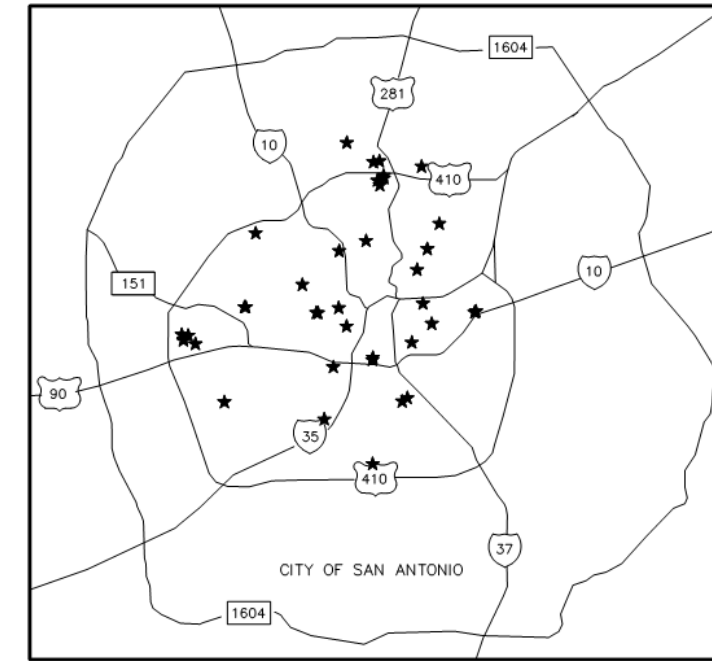




# Project Background

## Project Locations

- SITE 206 - MOUNTRIDGE DR & CALLAGHAN RD ALLEY
- SITE 212 - NW 28TH ST ALLEY
- SITE 216 - MONEY LN ALLEY
- SITE 220 - MT IDA ALLEY
- SITE 222 - PLYMOUTH RD
- SITE 223 - CONTESSA DR ALLEY
- SITE 225 - STOCKTON DR ALLEY
- SITE 226 - REDCLIFF DR ALLEY
- SITE 227 - REXFORD DR ALLEY
- SITE 228 - MILLWOOD LN ALLEY
- SITE 232 - AMESBURY RD ALLEY
- SITE 235 - BURR RD ALLEY
- SITE 237 - NATALEN AVE ESMT
- SITE 239 - LOCKHART ST ALLEY
- SITE 240.3 - W MARTIN ST
- SITE 245 - REMUDA DR ALLEY
- SITE 247 WESTSHIRE DR ALLEY
- SITE 249 - WINWARD WAY ALLEY
- SITE 251 - MERRY OAKS DR
- SITE 254 - EL PASO ST
- SITE 256 - DELAWARE ST & S PIEDMONT AVE ALLEY
- SITE 263 - MERRIMARC ST ALLEY
- SITE 270 - LANIER BLVD ALLEY
- SITE 314 - S MINTER ST & 19TH ST ALLEY
- SITE 315 - SW 20TH ST & S MINTER ST ALLEY
- SITE 324 - BROADWAY ST AND TESORO DR
- SITE 333 - SAN PEDRO AVE
- SITE 336- SANTA PAULA RD ALLEY
- SITE 342.1 - FRONTAGE RD
- SITE 342.2 - FRONTAGE RD
- SITE 344 - REMUDA DR & RAWHIDE LN ALLEY
- SITE 353 - BELMONT & N WALTERS ST
- SITE 360 - PROBANT ST & KING ROGERS ST
- SITE 361 - WALTON AVE & MARIAN ST
- SITE 364 - VFW BLVD & RIVERSIDE DR
- SITE 368 - MCCAULEY DR & KYLE ST

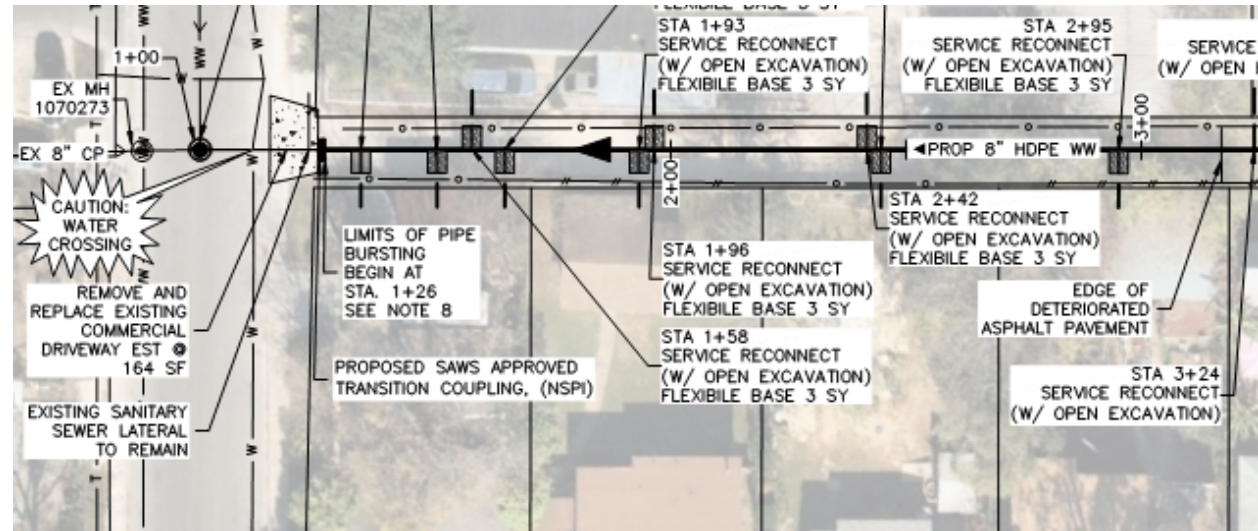


LOCATION MAP

# Project Details

## Site 212 – NW 28<sup>TH</sup> St (Alley)

- Contractor to connect to existing PVC sanitary sewer segment at approximate Station 1+26 using SAWS approved transition coupling (NSPI)
- DR 17 (DIPS) HDPE to be used to minimize change of inside diameter at transition to existing PVC

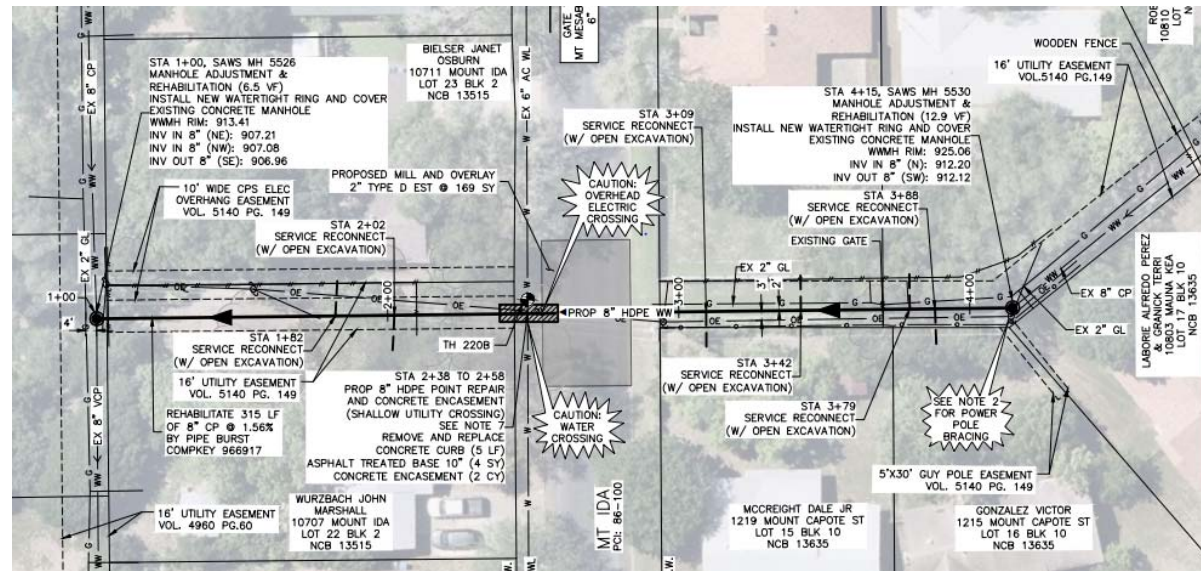


STA 1+26 PIPE BURSTING LIMIT & EXISTING SERVICE LATERAL

# Project Details

## Site 220 – MT IDA (Alley)

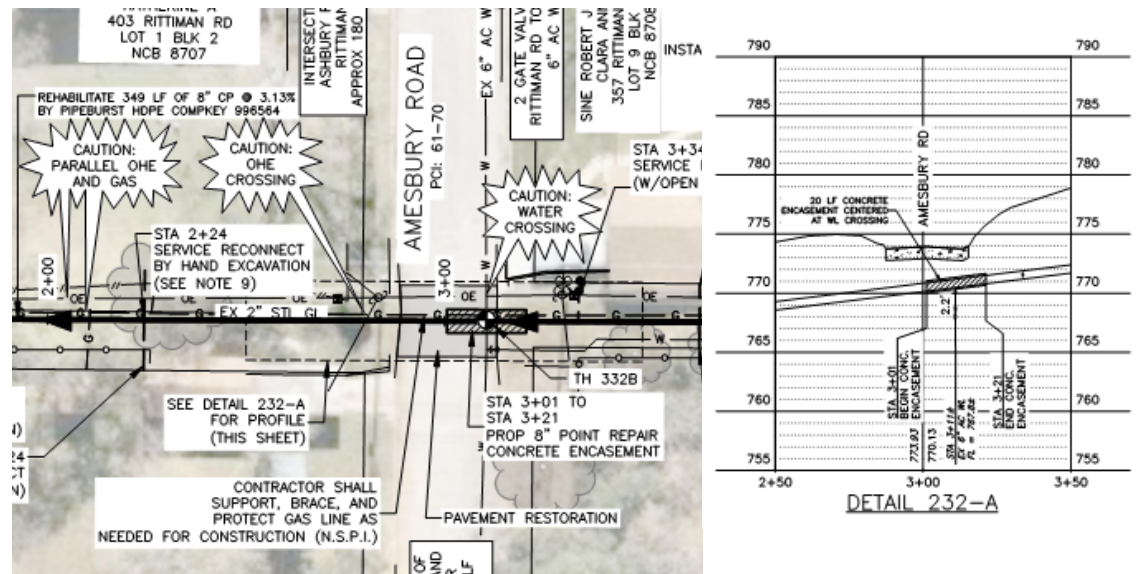
- Contractor shall locate existing water and sewer main crossing and concrete encase sewer main if the separation distance is not in conformance with TCEQ regulations.
- Quantities for water main break/leak repair and handling of asbestos concrete cement are only to be used if, through no fault of the contractor, the existing 6" AC Water main on MT IDA.
- Point Repair is included to protect/support/brace existing 6" AC water main during pipe bursting operation.



# Project Details

## Site 232- Amesbury Rd

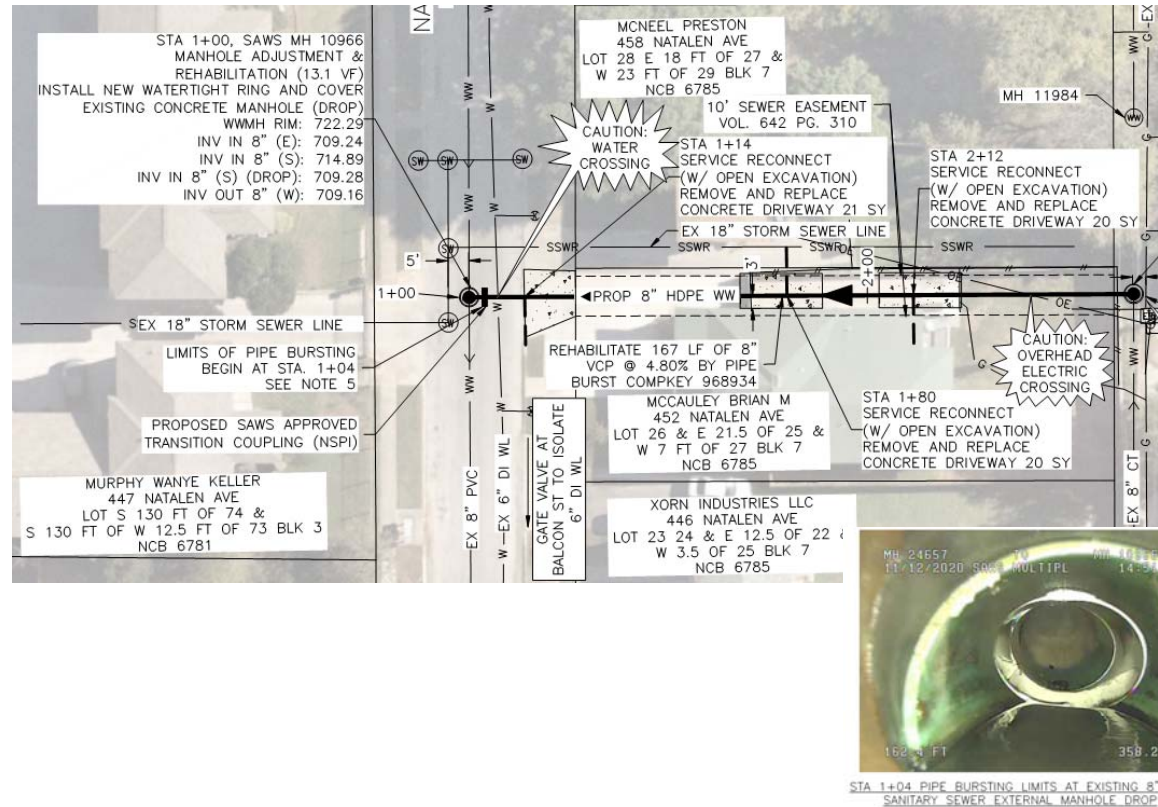
- Contractor install 20 LF concrete encasement centered at existing water line crossing (approximate station 3+01 to 3+21)
- Pavement repair shall be extended from curb return to curb return across Amesbury Road in order to avoid a patch-on-patch pavement repair



# Project Details

## Site 237- Natalen Ave (Easement)

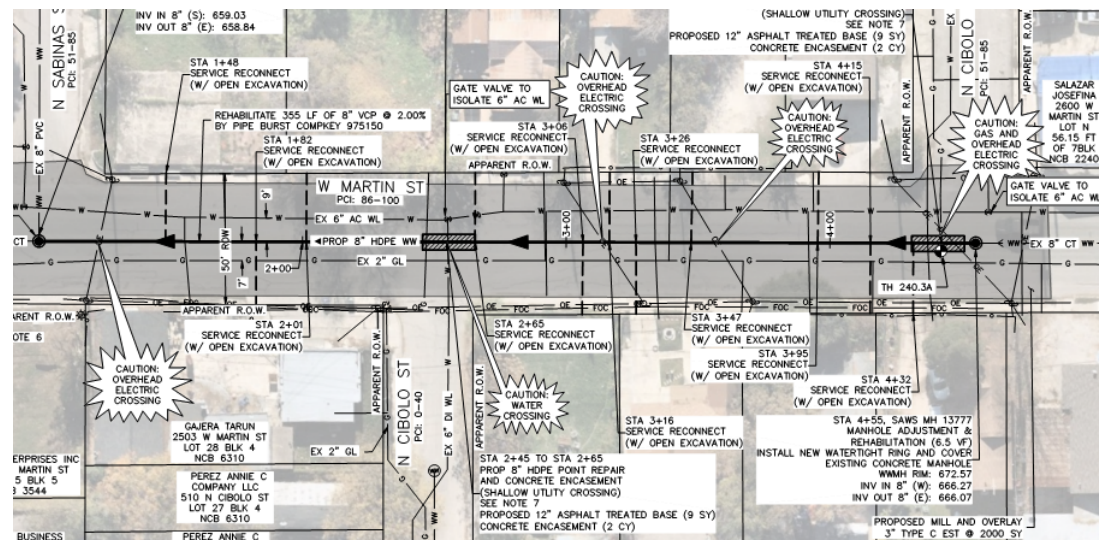
- Contractor to connect to existing PVC of outside-drop manhole 10966 at approximate Station 1+04 using SAWS approved transition coupling (NSPI)
- DR 17 (DIPS) HDPE to be used to minimize change of inside diameter at transition to existing PVC
- Contractor to saw cut and replace concrete driveway sections as shown in order to repair existing concrete following lateral reconnections by open cut excavation



# Project Details

## Site 240.3 – W Martin St

- Contractor to ensure construction does not overlap with SAWS Job no 20-4507 Multiple Sewershed Package 17A
- Mill and overlay to be coordinated with SAWS Job no 20-4507 Multiple Sewershed Package 17A



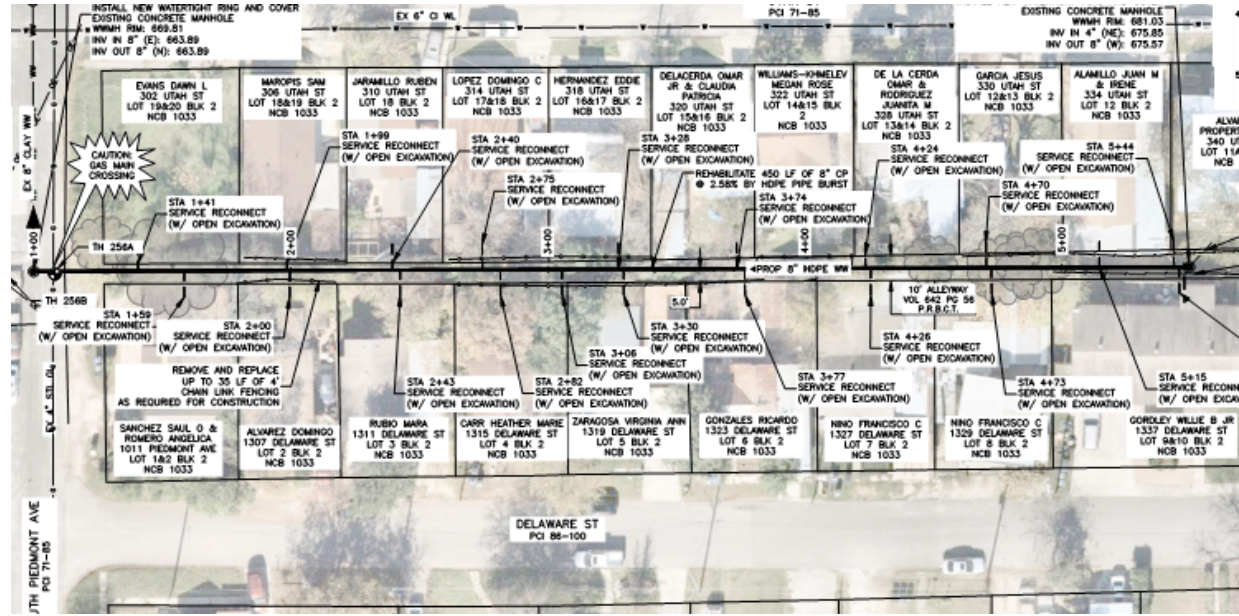
Multiple Sewershed Package 17B Project



# Project Details

## Site 256 – Utah St/Delaware St and S Piedmont

- Approximate 10-foot wide alleyway may require hand excavation for lateral reconnections due to limited width and obstructions which will likely be prohibit heavy equipment



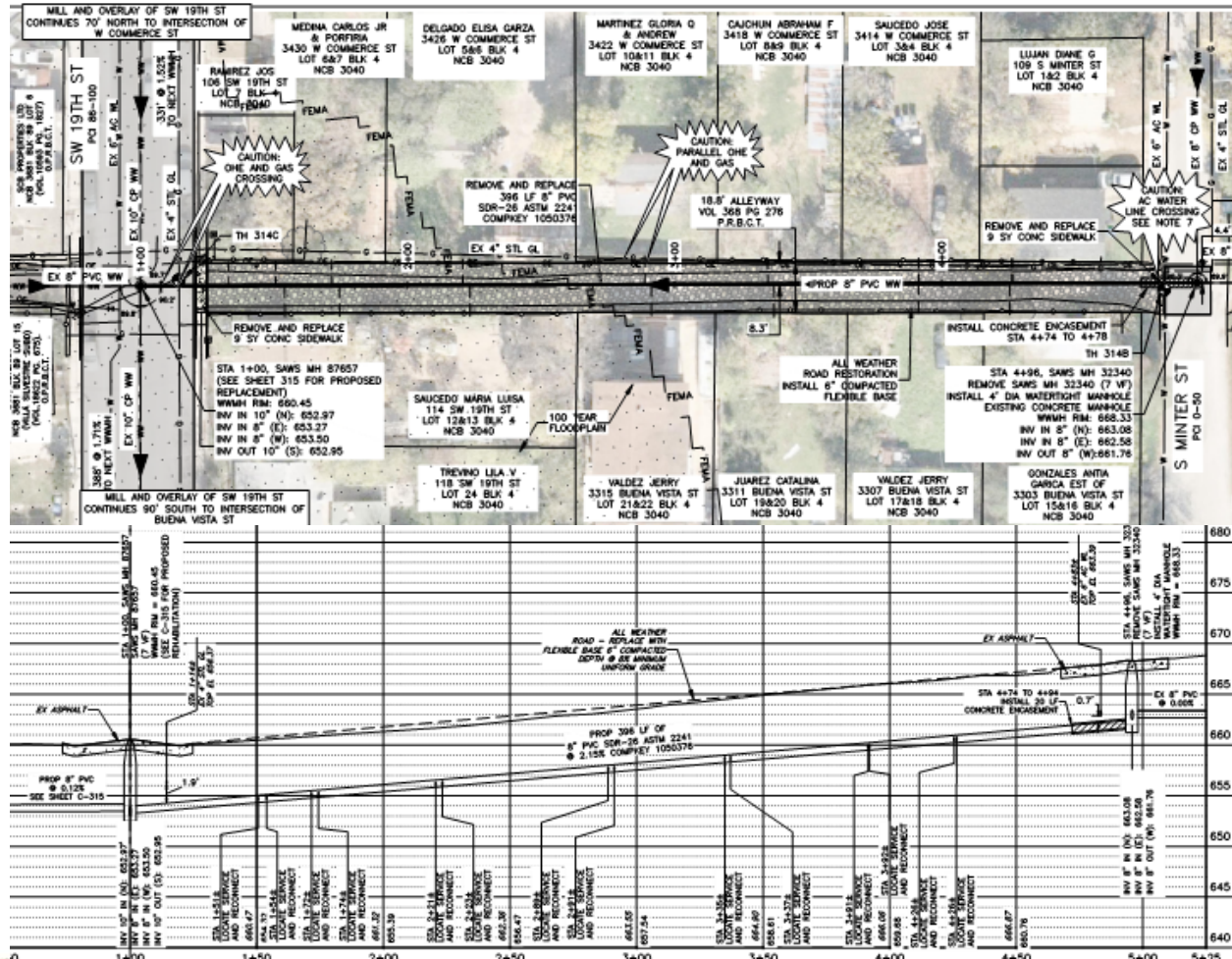
Multiple Sewershed Package 17B Project



# Project Details

## Site 314 – S Minter St to 19<sup>th</sup> St

- Existing all weather road to be replaced at a uniform grade (minimum 8%)
- Mill and overlay of SW 19<sup>th</sup> St will be required curb-to-curb from W Commerce St to Buena Vista St
- Payment for rehabilitation of MH 87657 included on C-315
- Contractor to install concrete encasement from stations 4+74 to 4+94
- Quantities for water main break/leak repair and handling of asbestos concrete cement are only to be used if, through no fault of the contractor, the existing 6" AC Water main on S Minter St fails during construction



Multiple Sewershed Package 17B Project

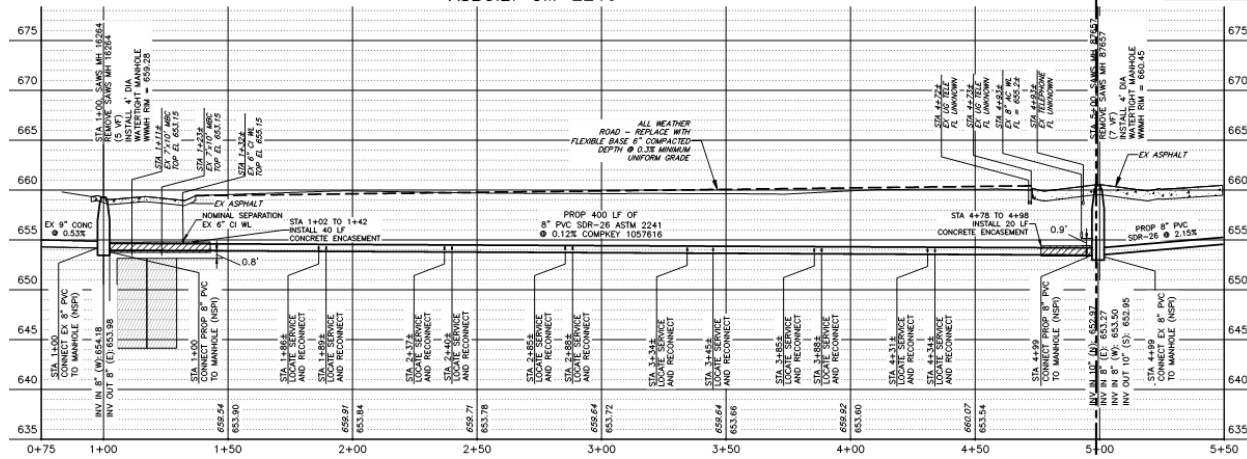
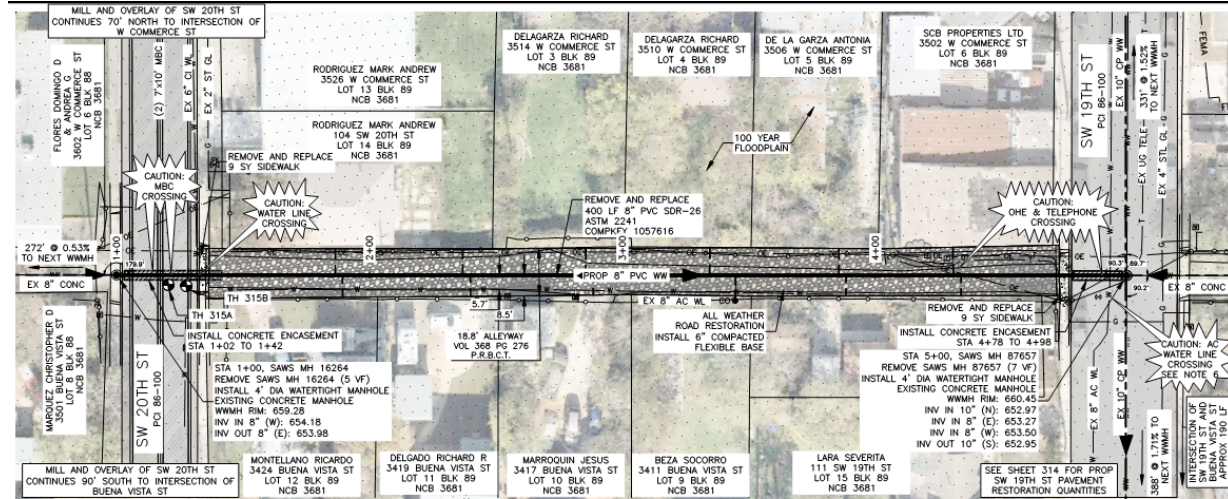




# Project Details

## Site 315 – SW 20<sup>th</sup> St to S Minter St

- Existing all weather road to be replaced at a uniform grade (minimum 0.3%)
- Mill and overlay of SW 20<sup>th</sup> St will be required curb-to-curb from W Commerce St to Buena Vista St
- Contractor to install concrete encasement from stations 1+02 to 1+42 and 4+78 to 4+98
- Quantities for water main break/leak repair and handling of asbestos concrete cement are only to be used if, through no fault of the contractor, the existing 8" AC Water main on SW 19<sup>th</sup> St fails during construction



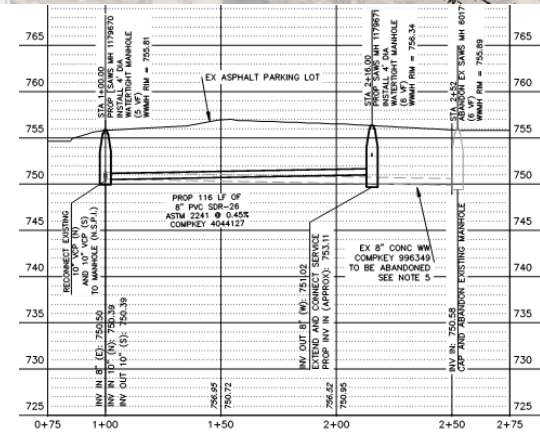
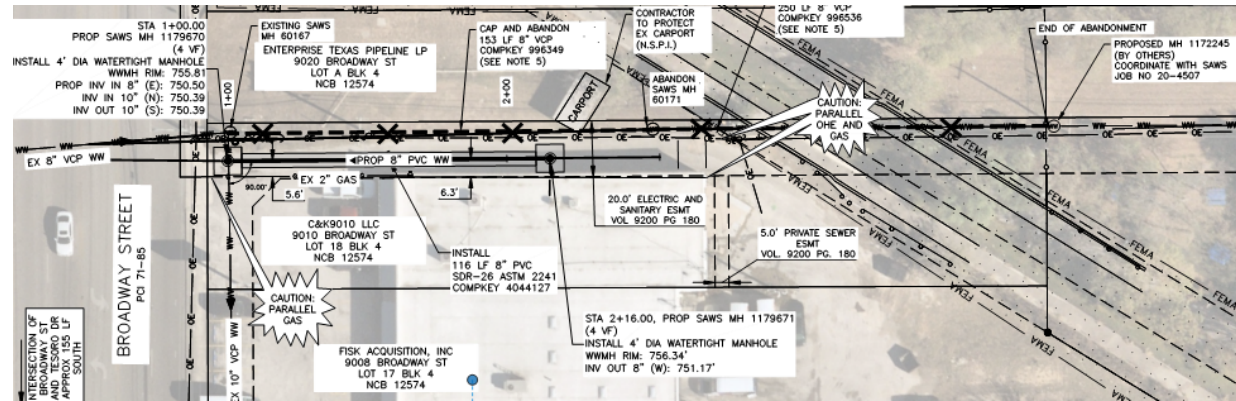
Multiple Sewershed Package 17B Project



# Project Details

## Site 324 – Broadway St and Tesoro Dr

- Replacement method is open-cut rerouting -- contractor to abandon existing 8" VCP mains and install a new 8" main and manhole connecting to existing infrastructure
- Contractor is to coordinate with SAWS Job no 20-4507 Multiple Sewershed Package 17A
- Contractor shall not abandon sewer mains 996282 and 996536 until proposed manhole 1172245 has been installed by others
- Compkey 996536 thought to be a partially abandoned siphon main



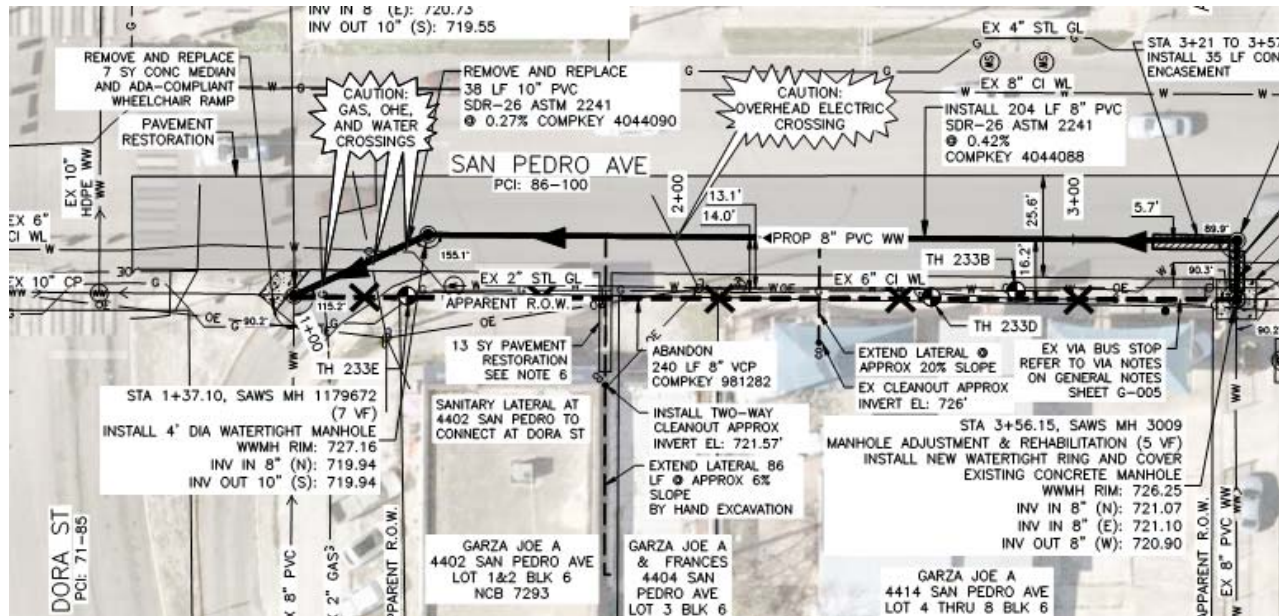
Multiple Sewershed Package 17B Project



# Project Details

## Site 333 – San Pedro Ave

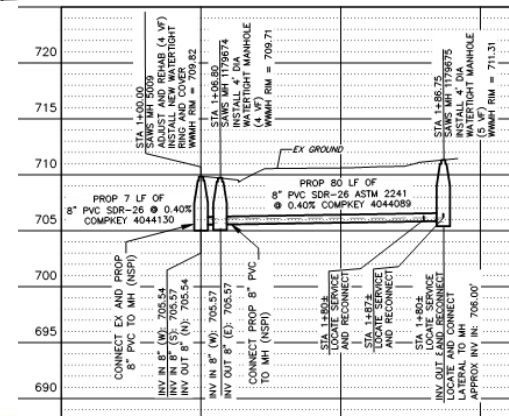
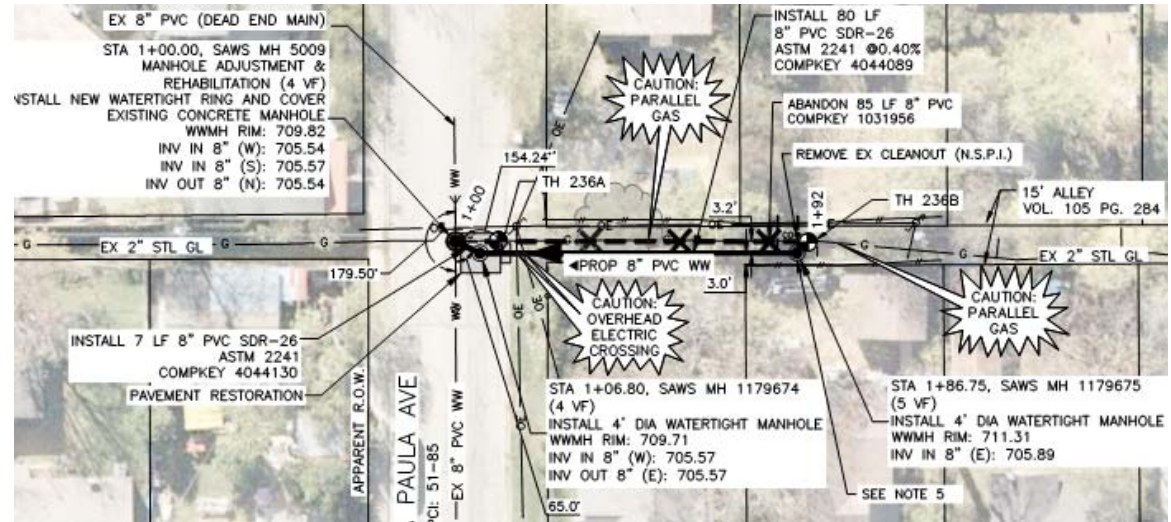
- Replacement method is open-cut rerouting - contractor to abandon existing 8" main and install new 8" and 10" PVC mains connecting to existing infrastructure
- Contractor to install concrete encasement from station 3+21 to 3+57
- Contractor to mill and overlay impacted half of San Pedro St from Dora St to Rex St
- Lateral extension for 4404 San Pedro will likely require hand excavation due to limited space
- Contractor may refer to geotechnical report for information found by soil boring at this site



# Project Details

## Site 336 – Santa Paula Ave (Alley)

- Rehabilitation method is open-cut rerouting - contractor to abandon existing 8" main and install new 8" mains connecting to existing infrastructure
- Temporary special shoring has been included for this site if required for the installation of proposed manhole 1179675 near existing 2" gas main



Multiple Sewershed Package 17B Project



# Project Details

## Site 342.1/342.2 – Frontage Rd

- Main located within TxDOT ROW
- CCTV indicates that a fiber optic cable has partially bored into the existing sanitary sewer main at site 342.2
- Contractor is to coordinate with Lumen Technologies to move the fiber optic cable during construction

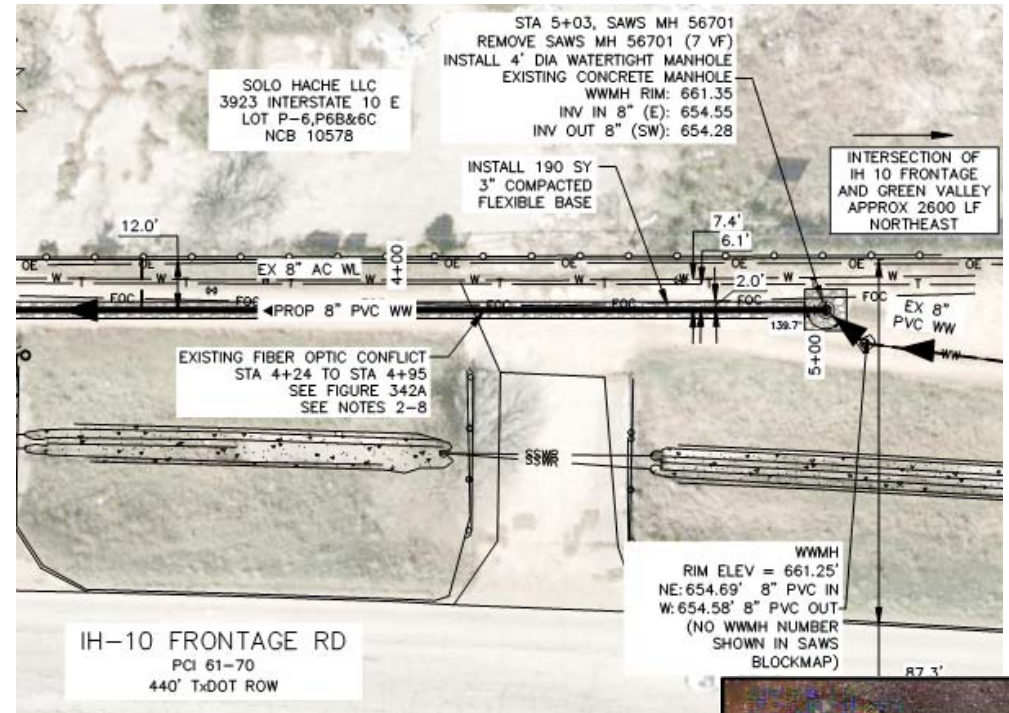
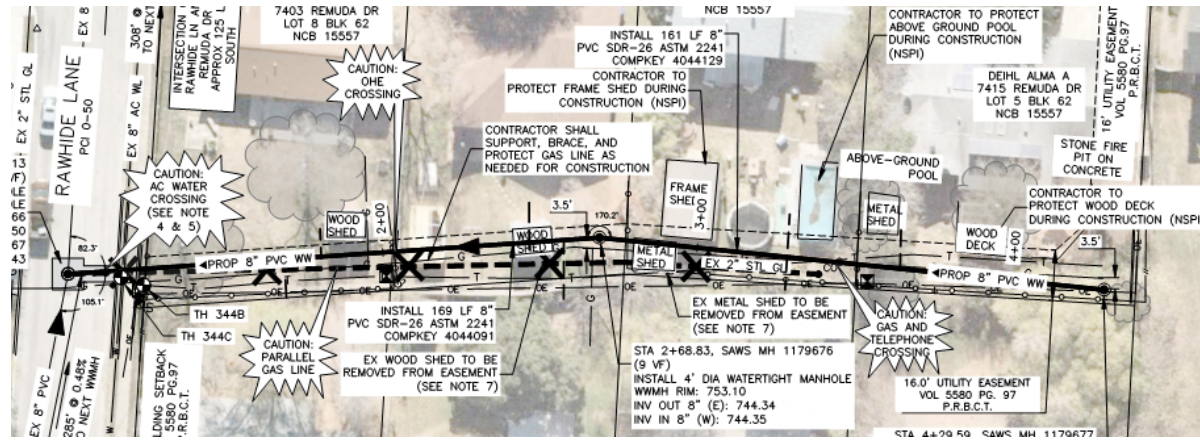


FIGURE 342A: CCTV IMAGE OF FIBER OPTIC CABLE CONFLICT

# Project Details

## Site 344 – Latigo Dr/Remuda Dr and Rawhide Ln

- Contractor is not to proceed with rehabilitation of this site until SAWS and the Engineer have received and reviewed pre-construction CCTV of this entire asset
- (A) point repair(s) may be required in order to obtain CCTV of entire existing asset
- Rehabilitation method is open-cut rerouting - contractor to abandon existing 8" main and install new 8" mains which will connect to existing infrastructure
- An allowance has been included for Contractor to move the existing wooden shed at 7407 Remuda Dr and the metal shed at 7411 Remuda Dr out of the easement if not moved by the owners prior to construction



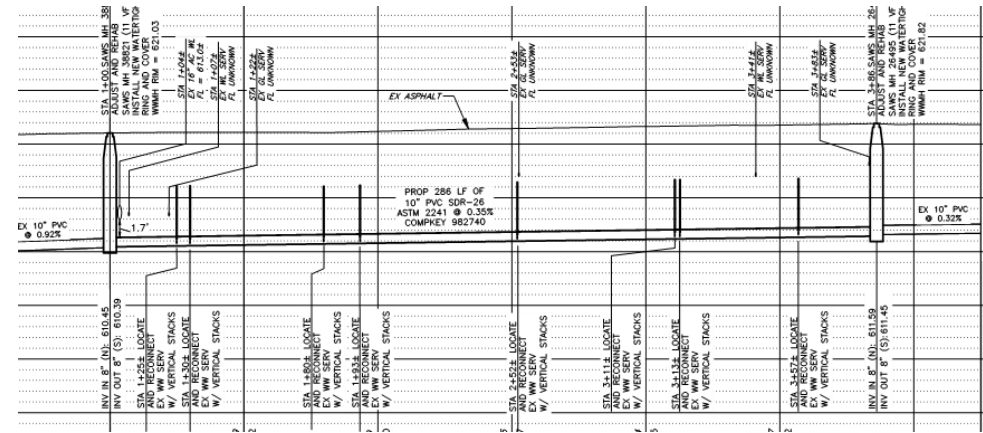
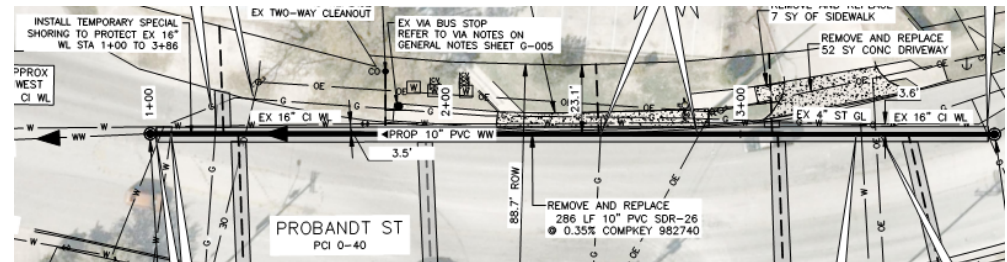
Multiple Sewershed Package 17B Project



# Project Details

## Site 360 – Probandt St & King Roger St

- Temporary special shoring has been included in order to protect and support existing 16-inch parallel water line
- Quantities for water main break/leak repair and handling of asbestos concrete cement are only to be used if, through no fault of the contractor, the existing 16" AC Water main on Probandt St fails during construction



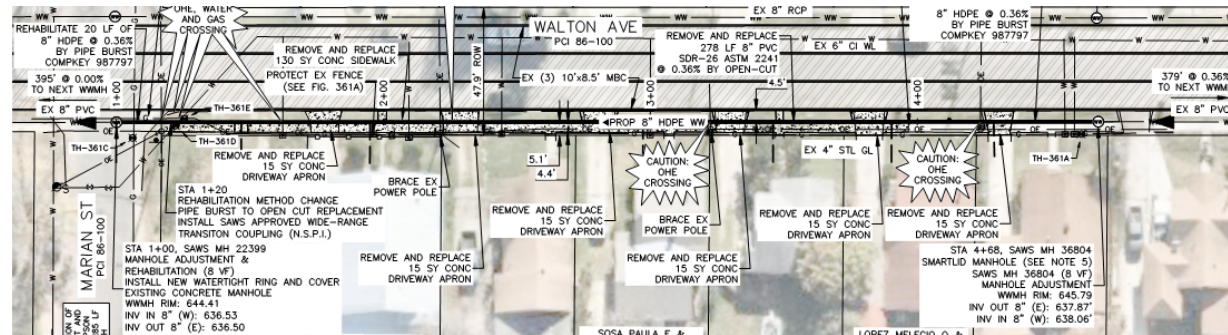
Multiple Sewershed Package 17B Project



# Project Details

## Site 36I – Walton Ave and Marian Ave

- Rehabilitation of this asset is to include two segments of pipe bursting from station 1+00 to 1+20 and 3+98 to 4+68 one section of open-cut replacement from 1+20 to 3+98
- Pipebursting segments shall use DR 17 (DIPS) HDPE to minimize change of inside diameter at transition to existing PVC
- Open cut replacement section shall use SDR-26 PVC
- SAWS approved transition couplings are to be installed by Contractor at HDPE/PVC connections (NSPI)

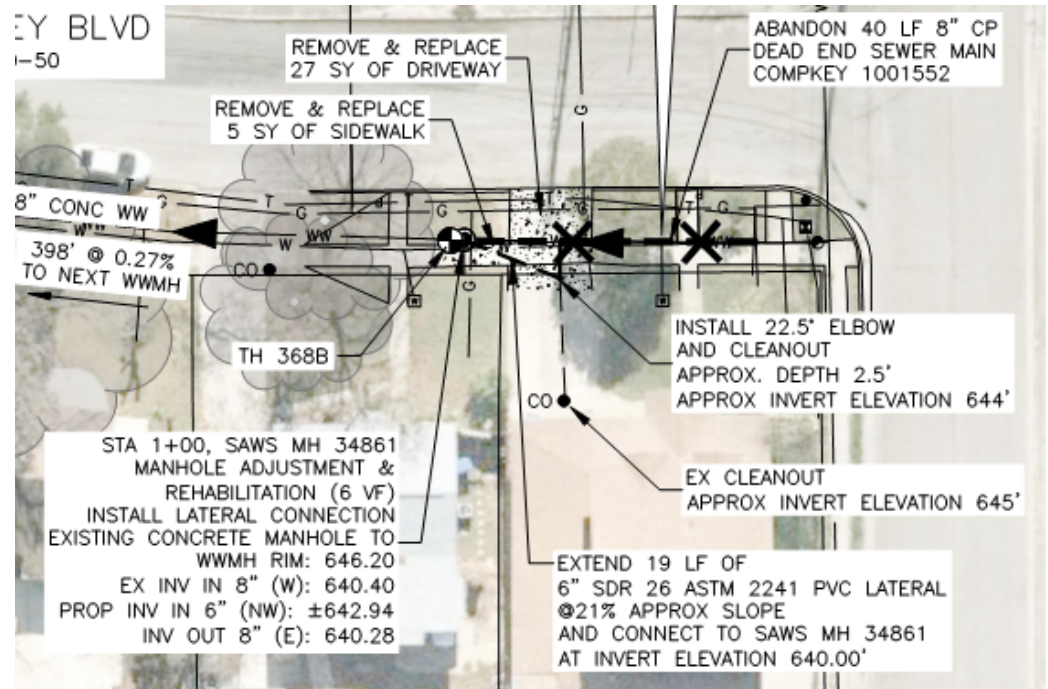




# Project Details

## Site 368 – McCauley Dr & Kyle St

- Contractor to abandon existing 8” sanitary sewer main
- A cleanout and 22.5 degree elbow is to be installed, rerouting the existing lateral to connect directly to manhole 34861
- Payment for lateral installation by a private plumber has been included in the quantities for this site if Contractor determines private plumbing work is required for this lateral rerouting at 1537 McCauley



# Project Requirements

## Special Conditions

- All work under this contract must be properly connected and coordinated with that constructed by others.

PROJECT LOCATION	PLANNED CONSTRUCTION ACTIVITIES
Site 324, Broadway St	SAWS Multiple Sewershed Package 17A, Job No. 20-4507
Site 240.3, W Martin St	SAWS Multiple Sewershed Package 17A, Job No. 20-4507
Site 245, Remuda Dr Alley	SAWS BPC WEST 6A SD Project (SAWS Job No. 19-4507)
Site 247.1/247.2, Westshire Dr Alley	SAWS BPC WEST 6A SD Project (SAWS Job No. 19-4507)
Site 251, Merry Oaks Dr	SAWS BPC WEST 6A SD Project (SAWS Job No. 19-4507)

- Pavement restoration of the intersection of W Martin St and N Sabinas St included in the quantities for Site 240 are contingent upon approval from the SAWS Inspector.

ITEM NO.	DESCRIPTION	UNIT	QTY
203.1	TACK COAT	GAL	30
205.3	HOT MIX ASPHALTIC PAVEMENT, TYPE C (3" COMP. DEPTH)	SY	271
206.1	ASPHALT TREATED BASE (ATB) (12" COMPACTED DEPTH)	SY	271

Multiple Sewershed Package 17B Project



# Project Requirements

## Special Conditions

### REQUESTS FOR CHANGES TO THE IDENTIFIED REHABILITATION METHOD

- The contractor may request a change in rehabilitation method for any site included in this project following pre-construction CCTV of the asset. The Engineer and SAWWS must approve any rehabilitation method changes from those identified in the original contract documents.

### REQUESTS FOR CHANGES TO HDPE MATERIAL

- The contractor may, at no additional cost to the Owner, substitute DR-11 HDPE with a pressure rating greater or equal to 160 PSI where DR-13.5, 160 PSI HDPE is specified in this contract. All other proposed changes will require approval by the ENGINEER.

# Project Requirements

## Special Provisions to Technical Specifications

- Item No. 900 Pipe Bursting Crushing Replacement Process
  - Lateral reconnections on pipe burst lines shall be made using an Inserta Tee connection including a SDR 26 PVC hub, rubber sleeve, and stainless-steel band for connecting new service to the new HDPE pipe.
- Item No. 910 Manhole Rehabilitation (2021 Version)
  - Payment for this item shall be by vertical foot
  - Payment shall be full compensation for materials, labor, equipment, tools, testing, restoration, and any incidentals necessary to complete the work including the bench, invert, and all interior surfaces of the manhole.

# Project Requirements

## Special Provisions to Technical Specifications

### ➤ Item No. 507 – Chain Link Wire Fence

- Material for wooden fencing replacement shall be of equal quality to existing fence materials
- New materials must be used for wooden fence replacement where the existing fence was damaged during removal operations, used materials from other projects or the Contractors own used material stocks will not be allowed
- Timber must be sound and free from decay, shakes, splits, or any other defects which would make it structurally unsuitable for the intended purposes
- Payment Item 507.6.2 for Removal and Replacement of Wooden Fencing added
- Payment for Item 507.6.2 shall be made per linear foot

# Project Requirements

## Special Provisions to Technical Specifications

- Item No. 530 – Barricades, Signs, and Traffic Handling
  - Contractor shall provide at least 3 days advance notice to impacted residents and business by distributing door hangers with format and content determined as part of the COSA ROW permit process
  - Payment for bid item shall be lump sum per each individual project location
  - Failure to complete work for the following reasons will not qualify for additional compensation:
    - approving designs
    - Testing
    - material shortages
    - closed construction season
    - curing and testing periods

Multiple Sewershed Package 17B Project



# Project Requirements

## Special Provisions to Technical Specifications

### ➤ Item No. 540 Storm Water Pollution Prevention Plan

- The Contractor shall place erosion control measures in accordance with this section and the Contractor provided Stormwater Pollution Control Plan. The Engineer may increase or decrease the quantity of these measures if the Contractor's selected measures and locations are not preventing runoff of sediment from the Work Site. Pollution control measures may be applicable to contractor operations outside of the right of way where such work is necessary as a result of roadway related construction such as construction and haul roads, field offices, equipment and supply areas, and material sources.
- Contractor shall provide Storm Water Pollution Prevention Plan (SW3P) designed in accordance with the specific or general storm water requirements...Prevent water pollution from storm water associated with construction activity from entering any surface water or private property on or adjacent to the project site. The Contractor shall effectively prevent and control erosion and sedimentation on the site at the earliest practicable time as outlined in the approved schedule. Control measures, where applicable, will be implemented prior to the commencement of each construction operation or immediately after the area has been disturbed.

# 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.*

Multiple Sewershed Package 17B Project





# Multiple Sewershed Package 17B Project (CO-00442)



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