

C5 Culebra – Castroville to Laredo & C28 Zarzamora Creek – San Gabriel to NW 23rd Street Phase 3

Chris Mason, P.E.

Project Engineer, SAWS

David Gonzales

Manager – Construction Management, SAWS

Fred Flores

Contract Administrator, SAWS

Diana Woltersdorf

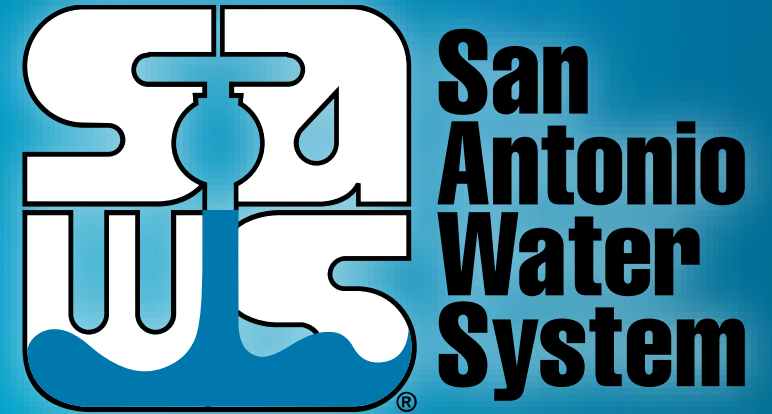
Contract Manager, SAWS

Susan Rodriguez

SMWVB Program Specialist, SAWS

Evan Cook, P.E.

Project Engineer of Record, CP&Y



Non-Mandatory Pre-Proposal Meeting
August 22, 2018 at 10 AM

MAKING SAN ANTONIO
WATERFUL 

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.

Pre-Proposal Meeting

- Non-mandatory pre-proposal meeting
- Attendees should sign-in
- Sign-in sheet and this PowerPoint Presentation will be posted on SAWS website
- List of plan holders may be found on the SAWS website as well
- Construction Services being procured through the Request For Competitive Sealed Proposal (RFCSP) method

Meeting Agenda

- SMWB
- Project Overview
- Miscellaneous Items
- Contract Requirements
- Required Experience
- RFCSP Evaluation Process
- Evaluation Criteria
- Submittal Preparation
- Additional Reminders
- Communication
- Key Dates
- Additional Project Information
- Work within CoSA Parks
- Special Conditions
- Unique Project Challenges
- Coordination with Stakeholders and Property Owners
- Questions?

SMWB Goal

Industry	SMWB Goal
Construction	20%

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**

Accepted SMWVB Certifications

- Minority Business Enterprise (MBE) (Includes AABE, ABE, HABE, and NABE)
- Small Business Enterprise (SBE)
- Woman-owned Business Enterprise (WBE)
- Veteran-owned Business Enterprise (Tracked, but not eligible for points)

SMWB Scoring

Proposed SAWS Construction Alternative Delivery Method SMWB Scoring:

The maximum number of SMWB points to be earned is 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 counted for SMWB points. All prime contractors firms, whether SMWB or not, are eligible to earn the maximum number of SMWB points (10).

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 consultants 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 subconsultants?**

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 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 Specialist at 210-233-2950, or at susan.rodriquez@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 & Subcontractor Changes



San Antonio Water System: SMWB at SAWS - Windows Internet Explorer

https://saws.smwbe.com/Default.asp?

File Edit View Favorites Tools Help

SAWS EZlink Employee Portal San Antonio Water System

Who We Are Our Water Conservation Service Infrastructure Education Environment Jobs Business Center

What makes an idea Refreshing? Find out at RefreshingIdeas.com

HOME BUSINESS CENTER SAWS CONTRACT COMPLIANCE SYSTEM

IN THIS SECTION:

Main

SAWS SMWB Contract Compliance System

System Access Login

Username:

Password:

Remember username

Login

[Home](#)

- [Contact Us & Support](#)
- [Forgot Password](#)
- [Account Lookup](#)
- [Help/First Time Visitors](#)

San Antonio Water System is pleased to offer our Contract Compliance System tracking SMWBE participation!

The Contract Compliance System is designed to streamline and automate your reporting requirements. The system is accessible to all firms doing business with SAWS and includes the following key features:

- Automated communication with contractors via email regarding compliance issues
- Submission of contractors' utilization reports online with automated tracking of contract goals and participation
- Automatic verification of subcontractor payments
- Immediate feedback on accuracy of certified payrolls
- Elimination of paper-based reporting and lengthy payroll validation delays

Subcontractor Change Request

Any changes in subcontractors or suppliers requires prior approval from SAWS:

http://www.saws.org/business_center/contractsol/forms.cfm or

http://www.saws.org/business_center/contractsol/forms/SMWBChangeForm.pdf



Name of Contractor: _____
 Project Name & Number: _____
 Submits the following approval request of the following addition(s) and/or deletion(s) on the Affirmed List of Subcontractors, as originally submitted as part of the BID/PROPOSAL/CONTRACT.

CHANGES

ADD	DELETE	NAME OF SUBCONTRACTOR	SBE, MBE, VBE, WBE	DESCRIPTION OF WORK TO BE PERFORMED	PERCENT & DOLLAR AMOUNT OF CONTRACT
<input type="checkbox"/>	<input type="checkbox"/>				
<input type="checkbox"/>	<input type="checkbox"/>				
<input type="checkbox"/>	<input type="checkbox"/>				
<input type="checkbox"/>	<input type="checkbox"/>				
<input type="checkbox"/>	<input type="checkbox"/>				
<input type="checkbox"/>	<input type="checkbox"/>				
<input type="checkbox"/>	<input type="checkbox"/>				
<input type="checkbox"/>	<input type="checkbox"/>				

JUSTIFICATION

AFFIRMATION

THE ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF, I FUTHER UNDERSTAND AND AGREE THAT THIS DOCUMENT SHALL BE ATTACHED THERETO AND BECOME A BINDING PART OF THE CONTRACT.

Name & Title of Authorized Requestor: _____
 Signature of Authorized Requestor: _____ Date: _____

SMWVB PROGRAM MANAGER: _____ DATE APPROVED: _____
 CONTRACTING DIRECTOR: _____ DATE APPROVED: _____

Office Use Only: _____ S.P.U.R. System _____ CPMS _____ Project Hand File _____



SMWVB Questions

Questions related to SMWVB may be directed to SAWS' SMWVB Program Specialist until the proposals are due. Her contact information is as follows:

Susan Rodriguez

Contract Administration Department

San Antonio Water System

Email Address: Susan.Rodriguez@saws.org

Telephone No.: 210-233-2950

Project Overview

- Replacement of 14,900 LF of existing 12” through 24” gravity sewer main with approximately 15,500 LF of 18” and 33” gravity sewer
- Project limits:
 - **Alignment “B”** Houston and 23rd St. to Culebra Rd and 28th Street
 - **Alignment “E”** Landa Ave. and Matyear St. to San Gabriel Ave.
- Along Zarzamora Creek
- Construction duration is 730 calendar days
- Construction estimate is \$11,500,000.00

Project Overview

- Small and Large bypass pumping operations
- Complex sequencing of construction activities
- This is an EPA Consent Decree (CD) project
- As a CD Project, it requires additional reporting and retention of documents (see Special Conditions)

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 SAWWS

Contract Requirements *(cont.)*

- Insurance requirements are found in 5.7 of the GCs
 - Builder's Risk has been waived and installation floater coverage has been added in Supplemental Conditions
 - Respondent's insurance should be compliant for current SAWS Projects
 - Selected contractor will submit certificate of insurance prior to Board award
 - Maintain insurance coverage during the construction of this project
- Weekly reporting of subcontractor payments using the Subcontractor Payment Utilization Reporting (SPUR) system
- Submittals and invoicing will be handled through CPMS

Required Experience

- Installation of ≥ 24 " sanitary sewer pipelines with depths $> 20'$ via open cut and trenchless (jacking, boring, tunneling, or hand mining with liner plate).
 - In narrow corridors with potential conflicts with existing utilities
 - Along creeks and within the floodplain
- Coordination with multiple stakeholders
- Complex sequencing of construction activities with multiple sites
- On-time project completion with accelerated project schedule
- Managing bypass pumping flows (≥ 3.7 MGD)

RFCSP 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 added to final scores
- SMWVB will be added to final scores
- Selection Evaluation Committee reviews final scores
- Negotiations, if any
- Board award

Evaluation Criteria

CRITERIA	MAX POINTS	SIR PAGES
Team Qualifications and Experience	20	SIR-2 to SIR-4
Quality, Reputation, and Ability to Deliver Projects on Schedule and within Budget	25	SIR-4 to SIR-5
Project Approach including Delivery Schedule	15	SIR-5 to SIR-6
Price	30	SIR-6
Small, Minority, and Woman-Owned Business Participation (SMWB)	10	SIR-6 to SIR-7 and GFEP
TOTAL	100	

Evaluation Criteria

Team Qualifications and Experience (20 points)

- Current business structure, type, and stability of organization
- Debarment history, if any
- Litigation, arbitration and claims (length of time varies); reference Supplementary Instructions to Respondents (SIR)
- Years performing construction; legal business name
- Equipment and facilities available for this Project
- Safety History to include TRIR, EMR, and fatalities

Evaluation Criteria

Team Qualifications and Experience (*cont.*)

- Definitions of Personnel, Subcontractor, Key Subcontractors on page SIR-3
- 1-page Organizational Chart with Key Personnel for Prime and Key Subcontractors with availability and percentage of work for duration of Contract
- Clear description of roles for both Key Personnel and Key Subcontractors
- 8 1/2" x 11" Resumes for all staff on Org Chart with proposed PM's first
 - Not to exceed one page
 - See pages SIR-3 to SIR-4 for required information
 - Capabilities and experience relative to this Project
 - List of current projects assigned to during of this Project

Evaluation Criteria

Quality, Reputation and Ability to Deliver Projects on Schedule and within Budget (25 points)

- **Company On-Time Completion on Similar Projects in Past 10 years**
 - List and describe 5 completed projects within past 10 years of similar size, scope and complexity
 - Provide valid, previously verified contact information
 - A minimum of 2 of the 5 projects must have been performed by the Construction Manager, PM, and/or Project Superintendent
 - Identify if projects were on-time and within budget
 - If SAWWS experience:
 - 1 of 5 projects listed should be a SAWWS project

Evaluation Criteria

Quality, Reputation and Ability to Deliver Projects on Schedule and within Budget

- **Key Subcontractors Performance on Similar Projects within last 10 years**
 - Provide 2 projects that the proposed Key Subcontractor Project Superintendent participated in that were of similar size, scope and complexity within the last 10 years
 - Provide valid, previously verified contact information
 - Identify if projects were on-time and within budget.
 - If not on time, describe recovery schedule and whether project was brought back on schedule

Evaluation Criteria

Project Approach including Delivery Schedule (15 points)

- Project Approach narrative indicating:
 - Overall project approach to successfully complete this project
 - Key milestones
 - Specific critical activities and critical path items
 - Address construction phases and/or sequencing
 - Required permits
- Include corresponding Primavera or MS Project (CPMS milestone) schedule

Evaluation Criteria

Project Approach including Delivery Schedule (*cont.*)

- Project approach for procuring long-lead items, ensuring critical path items
- Coordination with key stakeholders
- Innovative ideas for cost savings
- Quality management plan (steps, safeguards, subcontractor oversight, QA/QC process, document control)
- List and describe instances unforeseen circumstances conditions were encountered and recovery plan, if any
- Approach to mitigate and manage unforeseen conditions, if encountered on this Project

Submittal Packet Preparation

- Utilize the Proposal Response Checklist
 - Original proposal (1) and CD or USB/thumb drive, along with required information differs from copies (7)
- Thoroughly review scope and ensure project examples and key personnel resumes clearly show similar experience
- Review Instructions to Respondents
- Thoroughly review evaluation criteria and respond with all required information to maximize points
 - Do so using proposal packet forms
- Avoid “boilerplate” responses
- Verify contact information for all project references, if SAWWS is not able to contact reference, points may be deducted or proposal deemed non-responsive

Submittal Packet Preparation *(cont.)*

- Ensure required documents are submitted and signed, (i.e. Respondent Questionnaire, CIQ, etc.)
- Entire proposal should create a clear picture of Project Team experience and capabilities (Org chart, projects, and resumes for Key Personnel and Key Subcontractors)
- Ensure Price Proposal and Schedule are submitted
 - Acknowledge Addendums on Proposal Signature Page

Additional Reminders

- Ask clarification questions regarding project, RFCSP process, and evaluation criteria early to ensure they are captured in an Addendum
- Register through the SAWS website to ensure access to the most current information (addendums, supplemental information, etc.)
- Obtain Geotechnical Data Report from SAWS website and review

Communication Reminders

- There should not be any communication with the following:
 - ✓ Design Engineer (CP&Y)
 - ✓ 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 RFCSP
- Release of RFCSP - Board Award
- If under contract with SAWS for another project, indicate this to SAWS staff that your company intends to submit for this RFCSP and do not discuss

Key Dates

- August 22, 2018
- Aug. 27, 2018 by 10:00 AM
- Aug. 31, 2018 by 11:00 AM
- Sept. 14, 2018 by 10:00 AM
- September 2018
- October 2018
- November 2018
- November 2018

Non-Mandatory Pre-Proposal Meeting
Questions Due
Addendum Posted to SAWS Website
Proposals Due
Proposals Evaluated
Selected Contractor Notified
SAWS Board Approval and Award
NTP Issued

Submission Due Date

- Proposals due no later than **10:00 AM CDT Friday, September 14, 2018**
- Follow specific delivery instructions:
 - Deliver to 2800 U.S. Highway 281 North, Suite 171, Customer Service Building, Counter Services (across from the guard station)
 - Make arrangements if mailing a response to this RFCSP
 - Late responses will not be accepted and will be returned unopened

Contract Background

- Traffic Control Plans and Bypass Pumping Plan are the responsibility of the Contractor and at no additional cost to SAWS.
- Contractor's Proposal Packet Checklist.
- Detailed Construction Schedule must be part of the Proposal.
- Submittals can be submitted as soon as receiving notification of contract award after CPMS training (if necessary) has been completed.

Contract Background

- Prior to commencing work, contractor must submit and receive approval of the following:
 - Bypass plan
 - Traffic control plan
 - Construction Schedule
 - Pre-site video
 - Lease agreements
- 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

Contract Background

External Agency Permit Requirements (City of San Antonio, SARA, etc.)

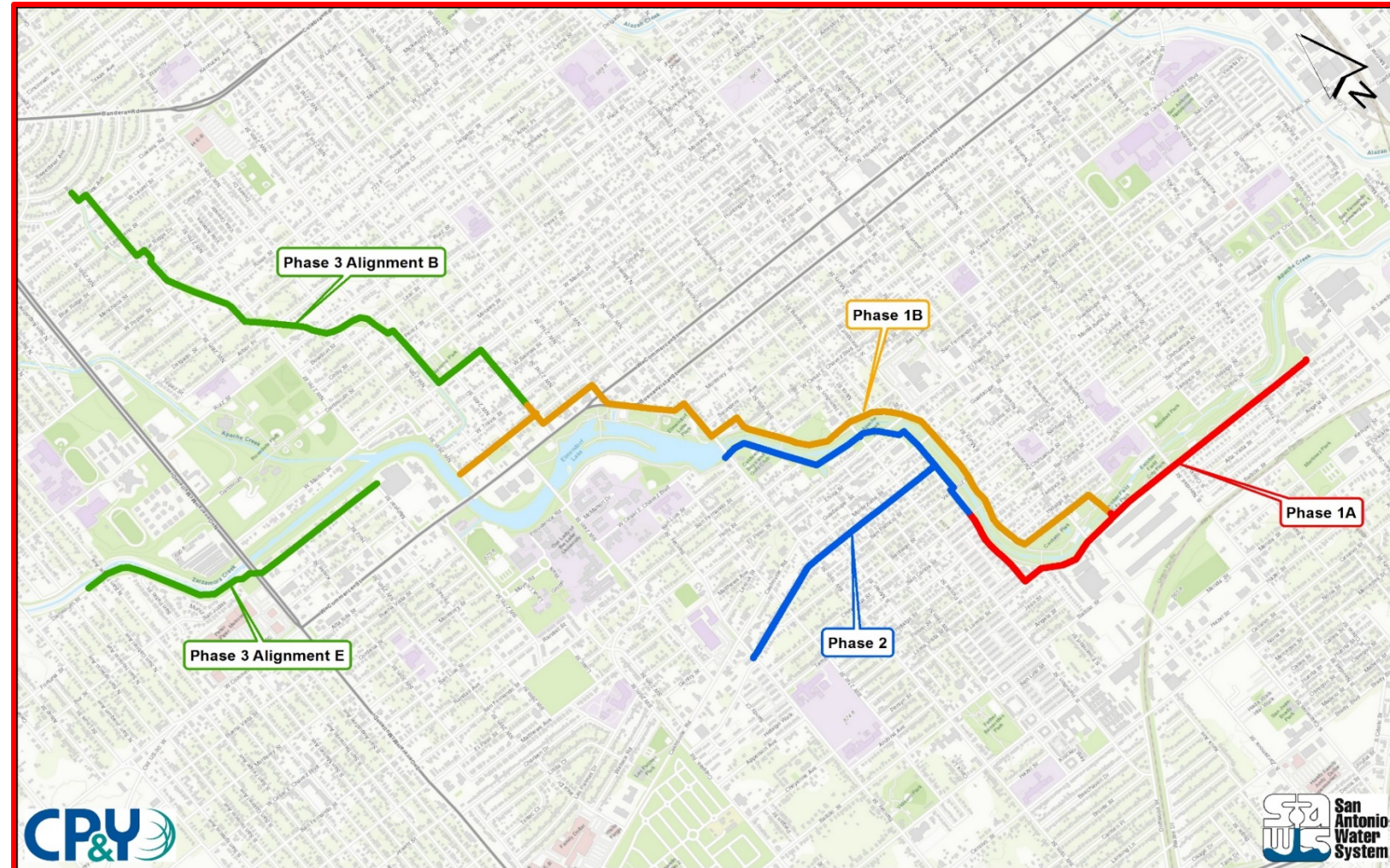
- Contractor to follow requirements identified in corresponding permits.
- Changes in field that are cited by the Agency's Inspector will require concurrence and approval from the SAWWS Inspector first.
- If contractor would like to work weekends or extended hours, notification is required 48 hours in advance to SAWWS Construction and Inspections. Requests should be send to constworkreq@saws.org.

Contract Background

- All RFIs, RFPs, 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 as applicable.
- Change orders, if any, will be based on negotiated prices if items are not in the price proposal.
 - Negotiated using RS Means

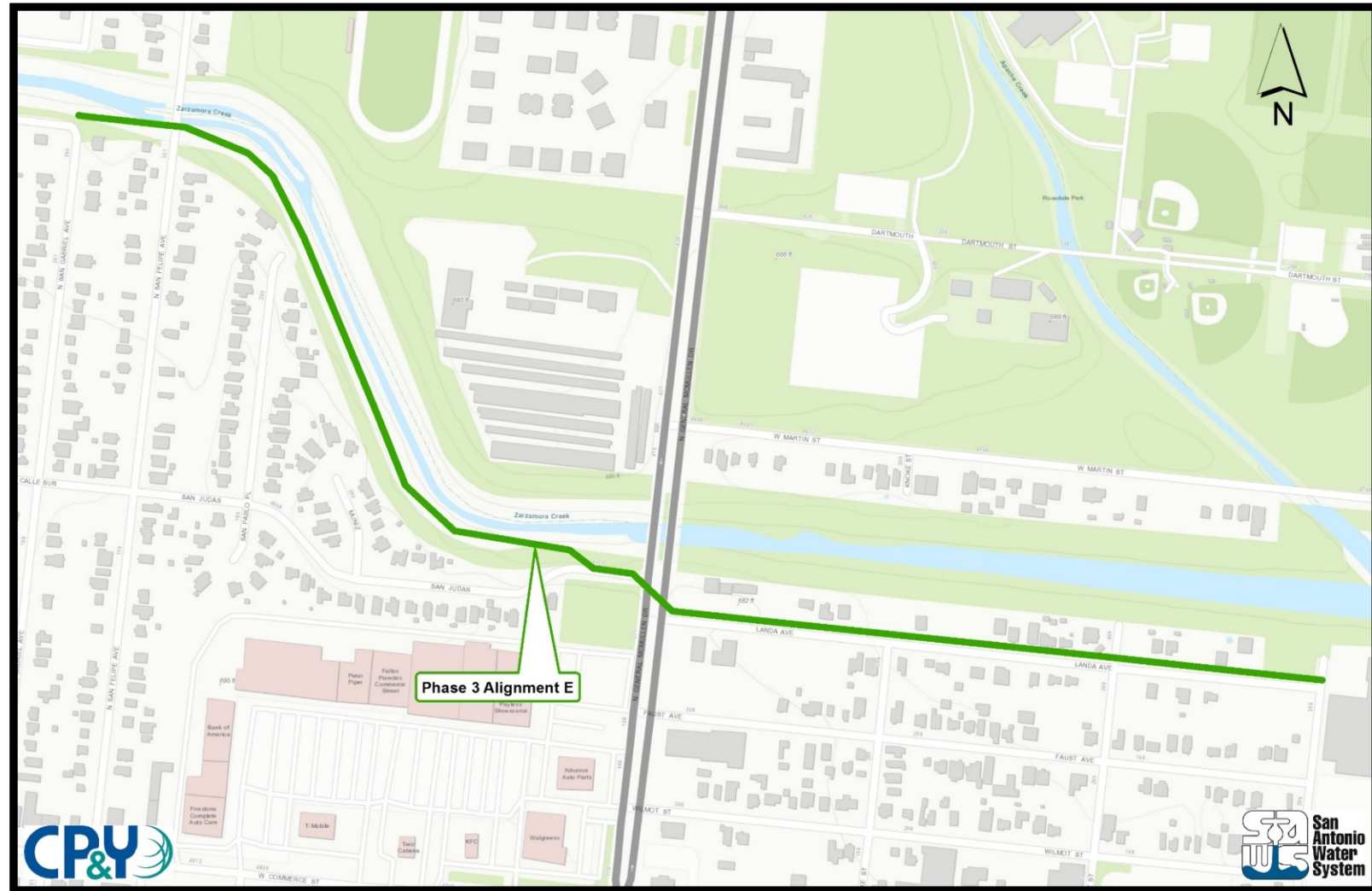
Project Location

- Central San Antonio
- Other Phases (by others):
 - Phase 1A: Complete
 - Phase 1B: Ongoing
 - Phase 2: Ongoing
- Phase 3 ties into Phase 1B
 - Alignment B
 - Along Bandera Branch
 - Alignment E
 - Along Zarzamora Creek



Alignment E Project Highlights

- KIPP School
- Landa Avenue
- General McMullen Crossing
- Zarzamora Creek Construction
- San Felipe St. Crossing
- San Gabriel St. Tie-in



KIPP School

- TCP and bypass coordination required
- Maintain driveway access



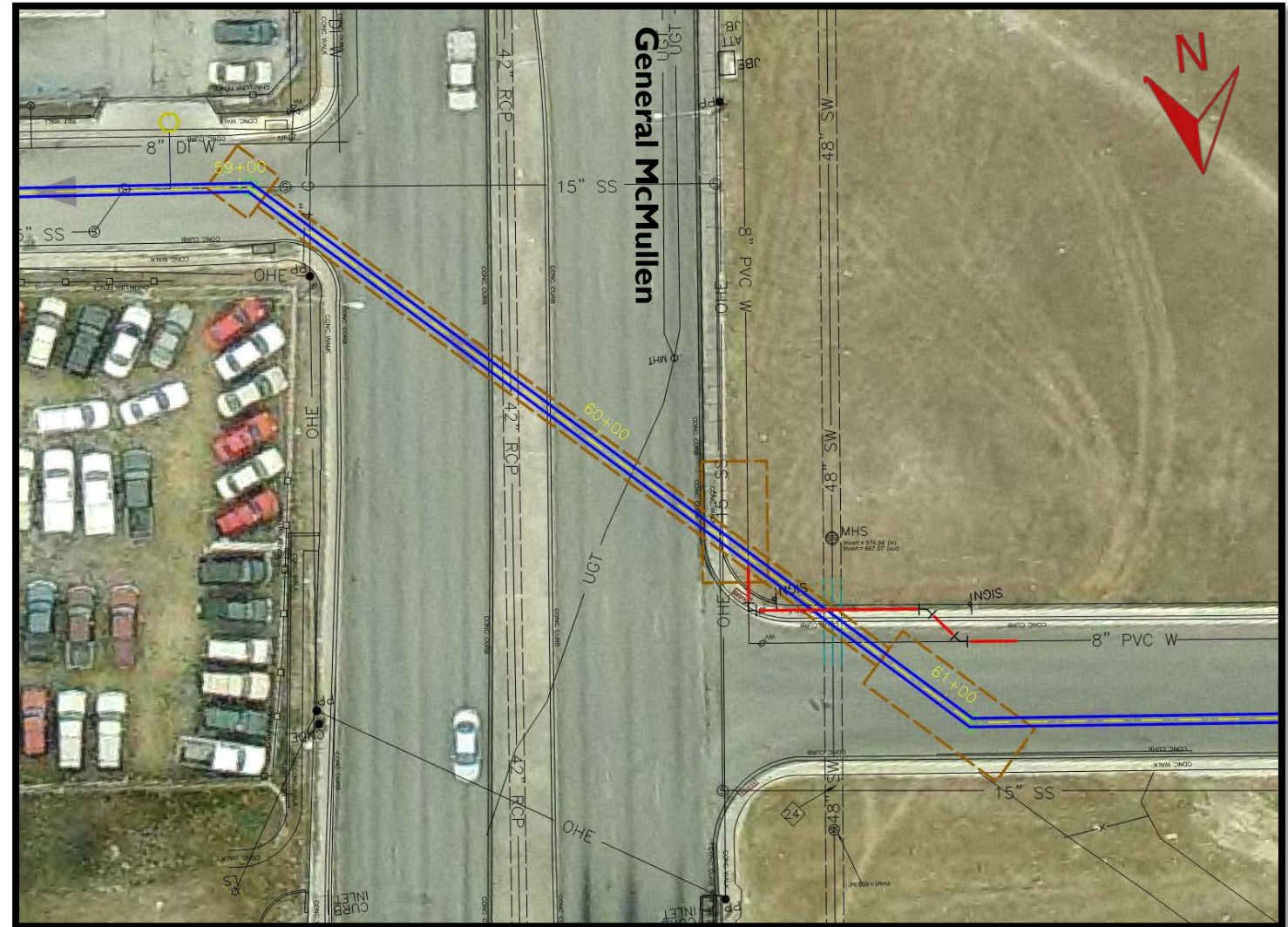
Landa Avenue

- Full road closure required
- Installation of service laterals
- Maintain access to homes and businesses
- Minimum allowable sewer slopes

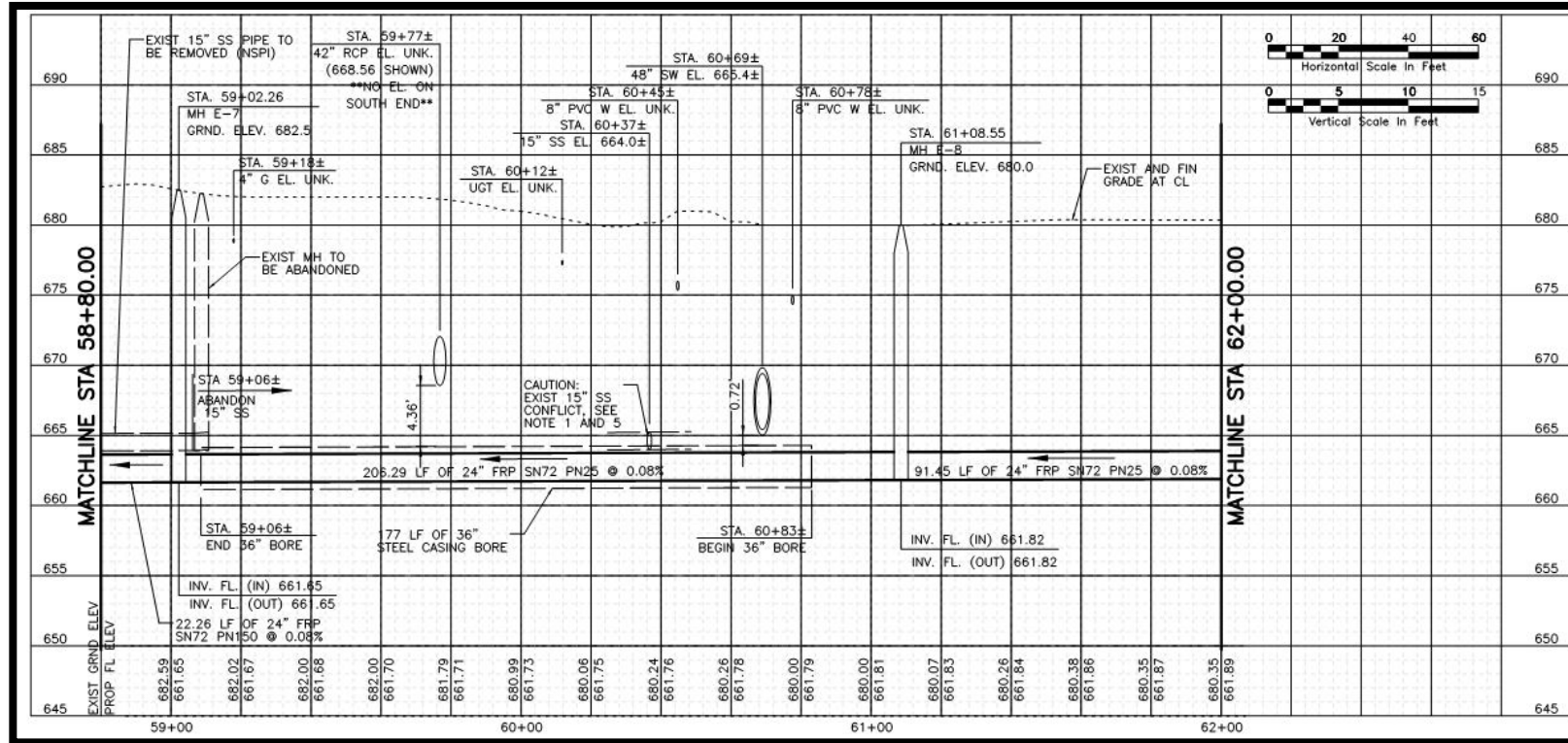


General McMullen Crossing

- Existing 15" SS
 - Excavation and removal of existing SS
 - General McMullen patchwork required
- Existing 48" storm crossing
- 8" water line relocation
- Maintain access to businesses

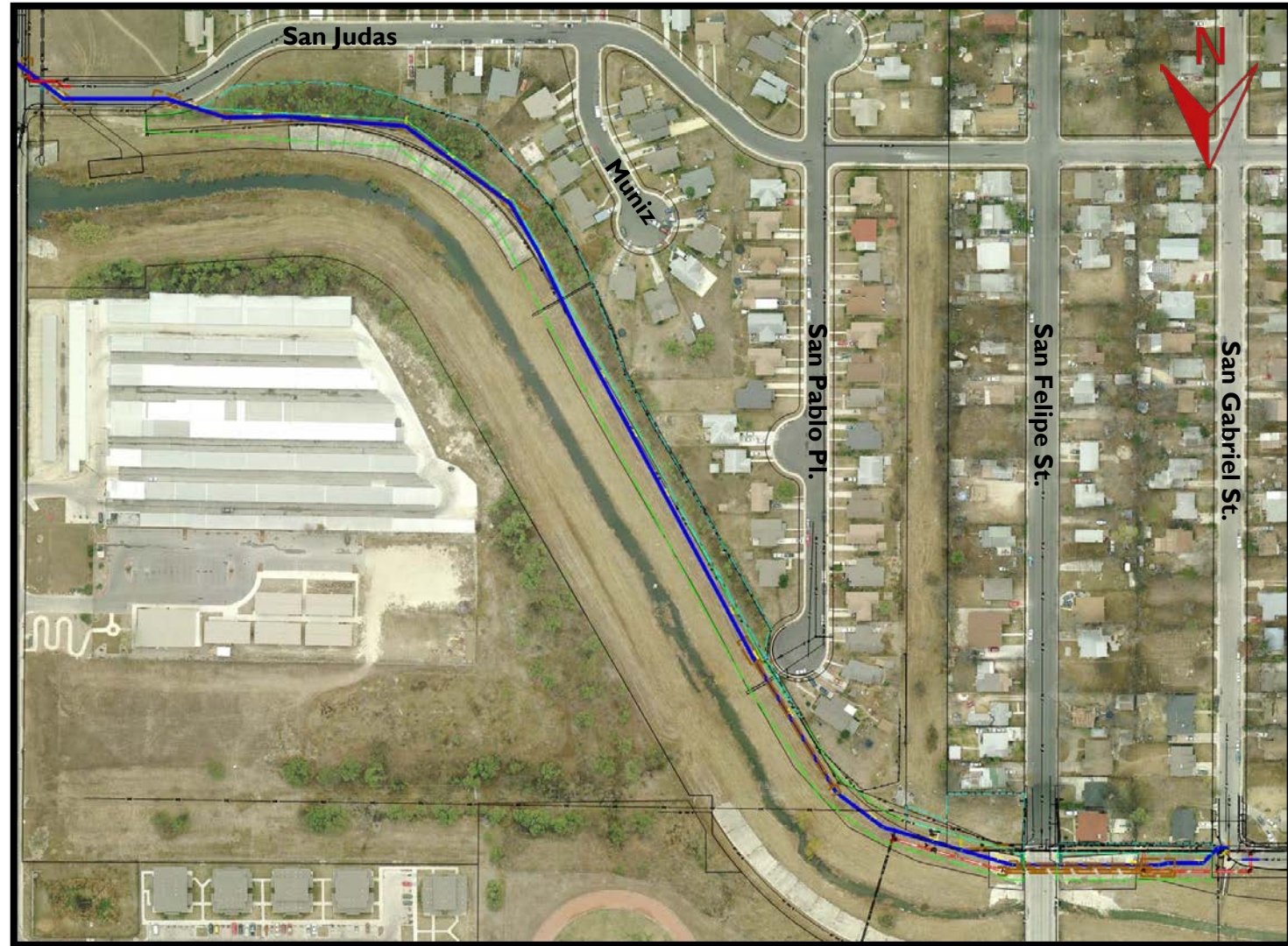


General McMullen Crossing



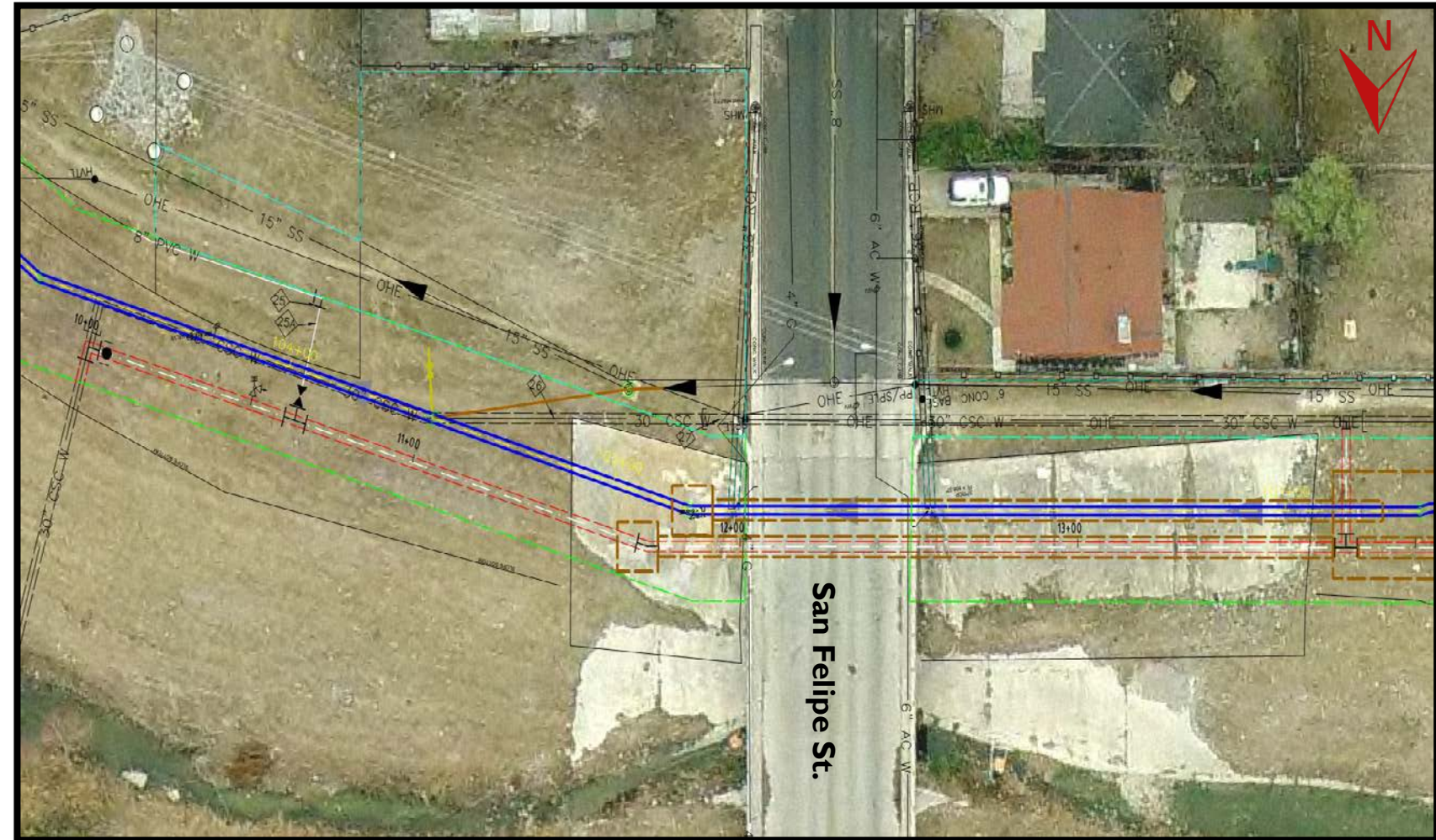
Zarzamora Creek Construction

- COSA and SARA
- Bank stabilization
 - Soil nail wall
 - Soil stockpiles
 - Hydro mulch
 - Slope restoration
- Construction access
 - San Judas, San Felipe St., and San Gabriel St.
 - No access through San Pablo
- Water discharges
- Storm event preparation plan
- Gabion dam installation

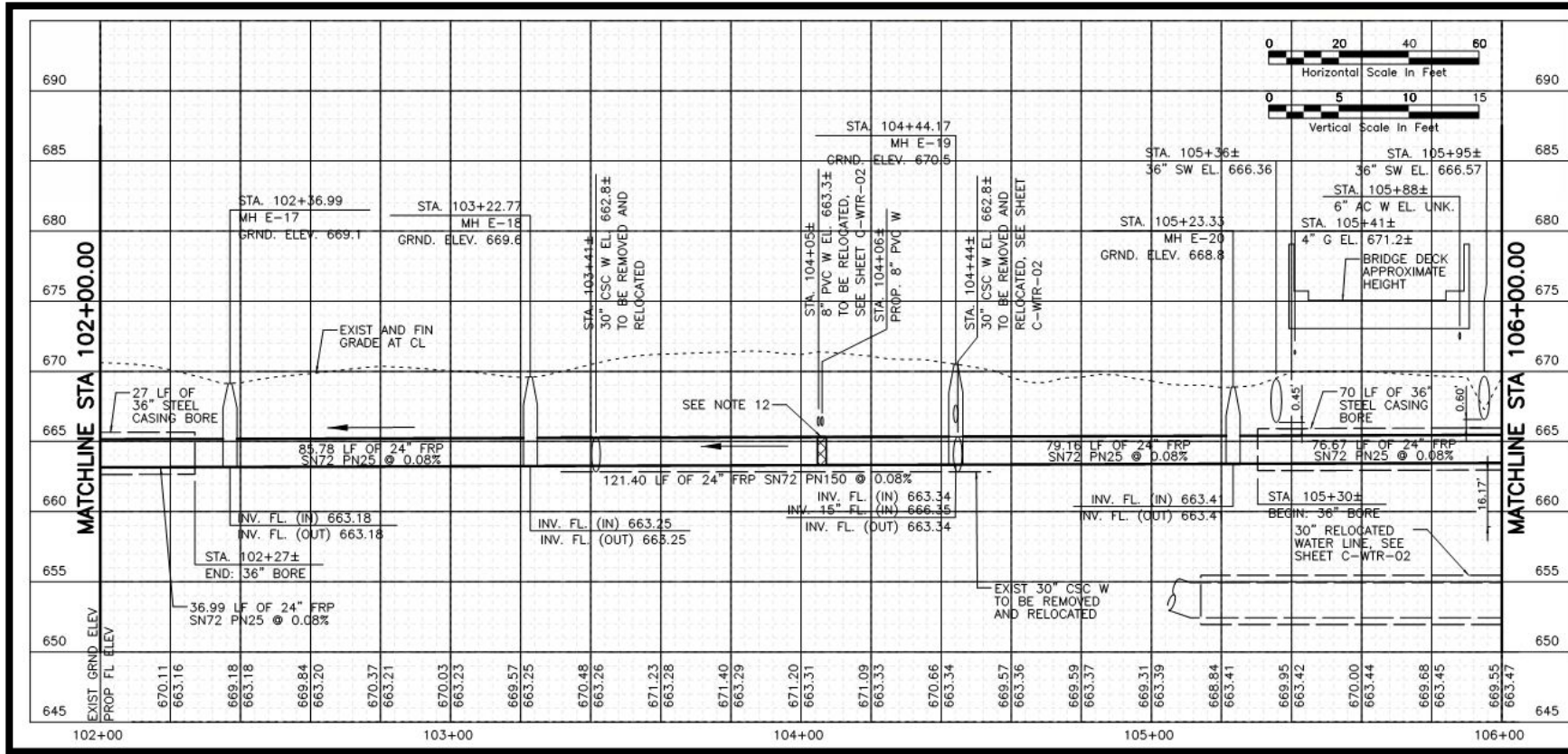


San Felipe St. Crossing

- Replacement of:
 - 30" water line
 - Storm outlet
 - Rip Rap
- Coordination with SAWWS Master Planning
- Verify angle of 30" water line across creek

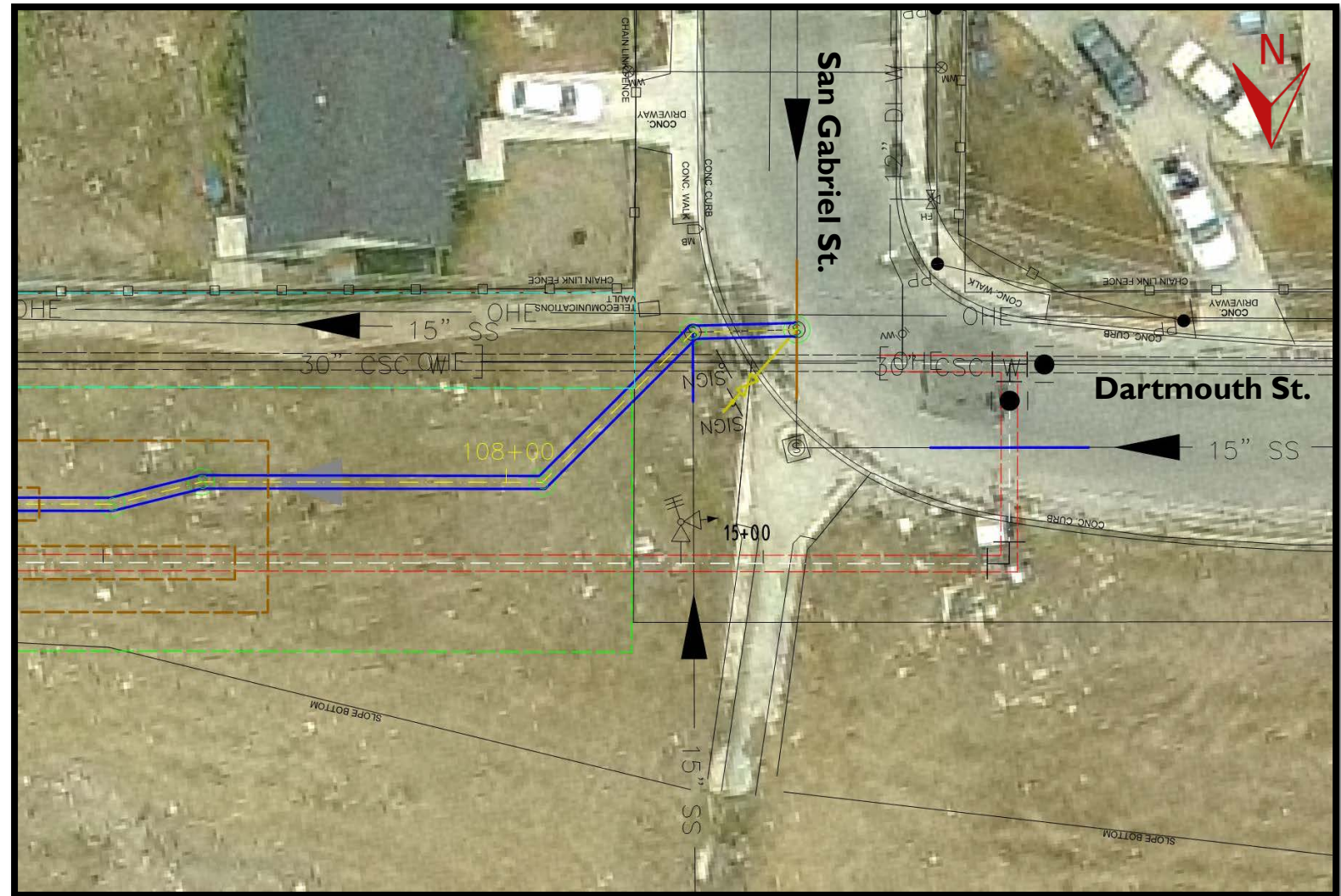


San Felipe St. Crossing

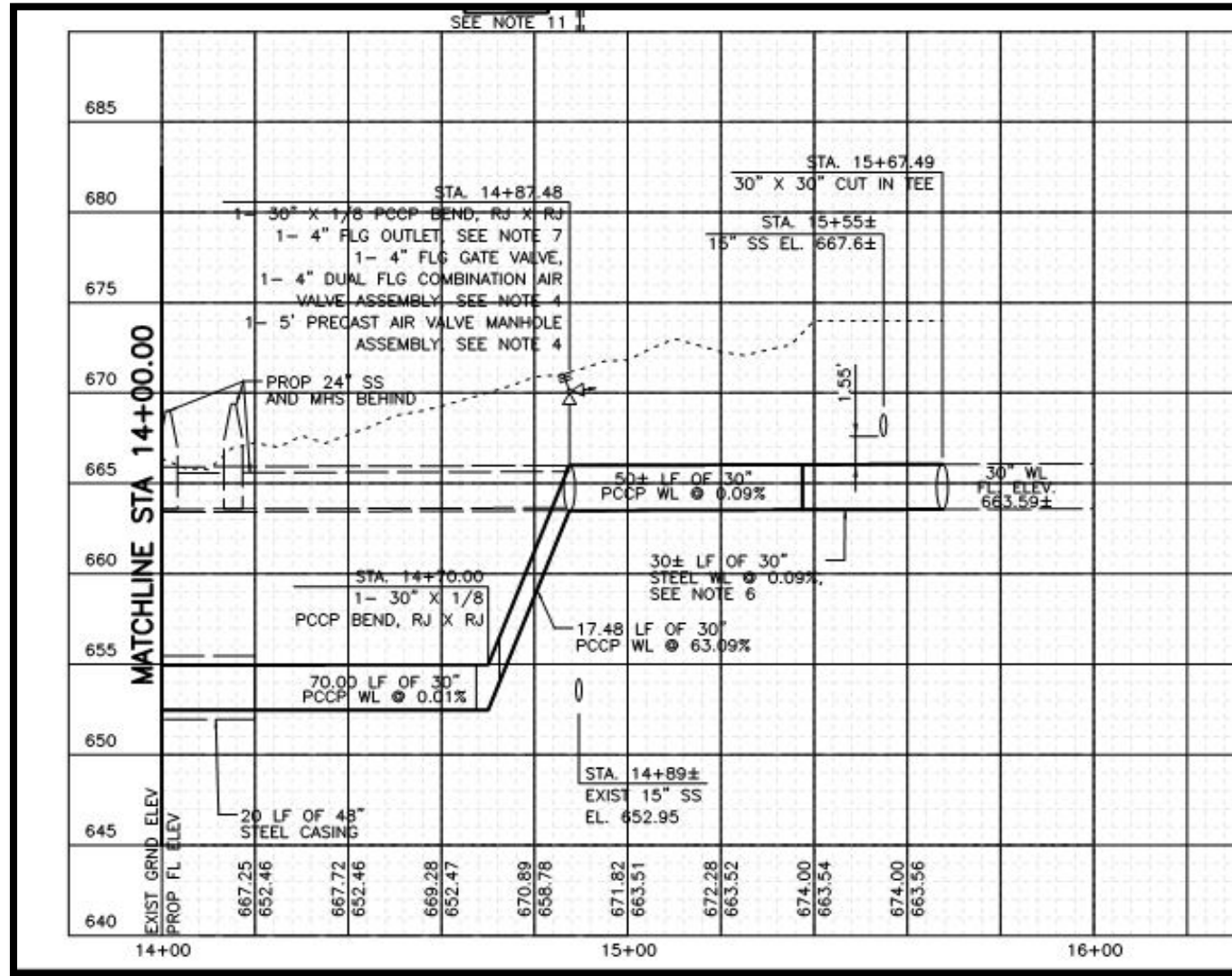


San Gabriel St. Tie-in

- Existing 15" SS siphon
- Existing 15" SS on Dartmouth St.
- Vertical offset of water line

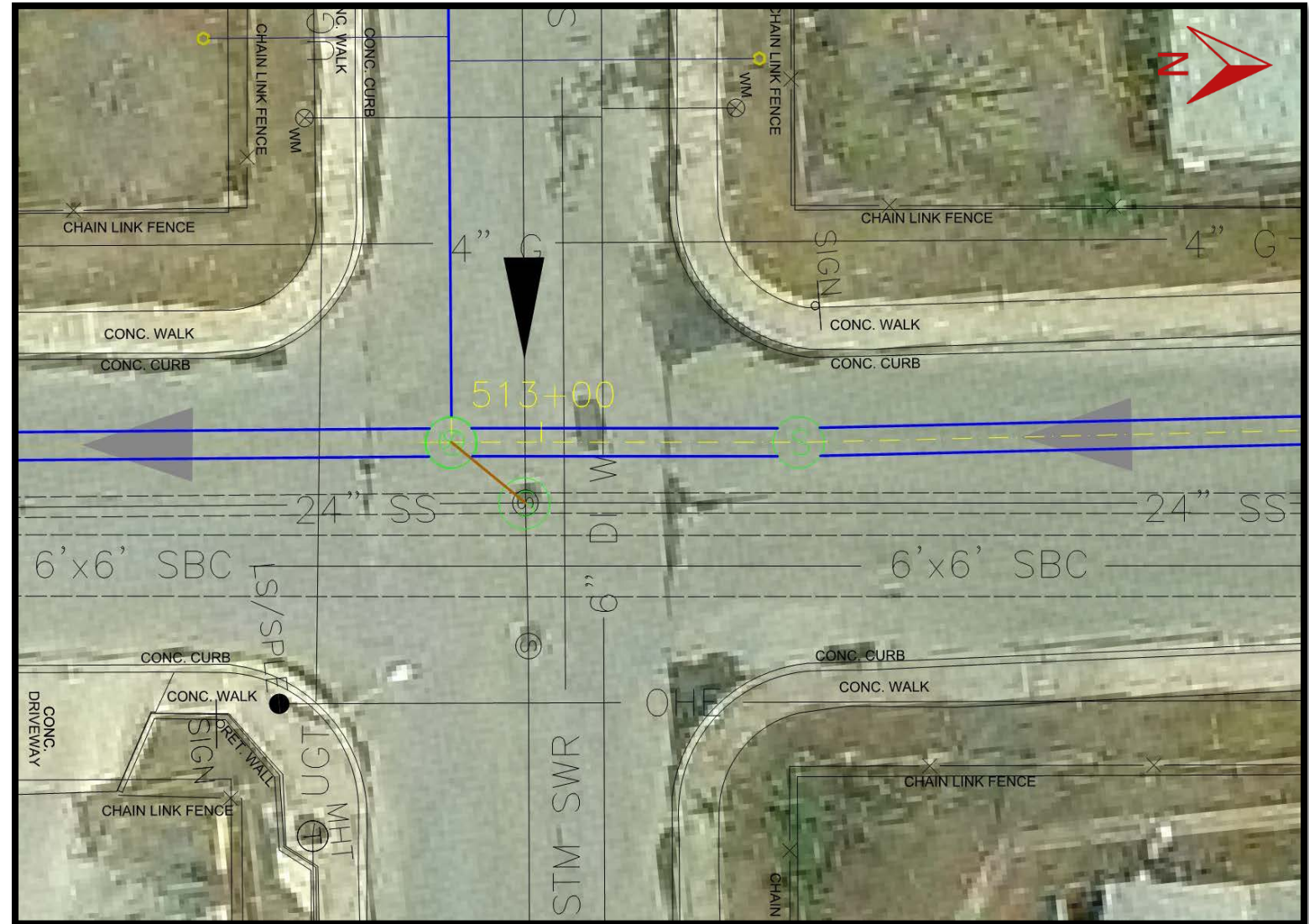


San Gabriel St. Tie-in



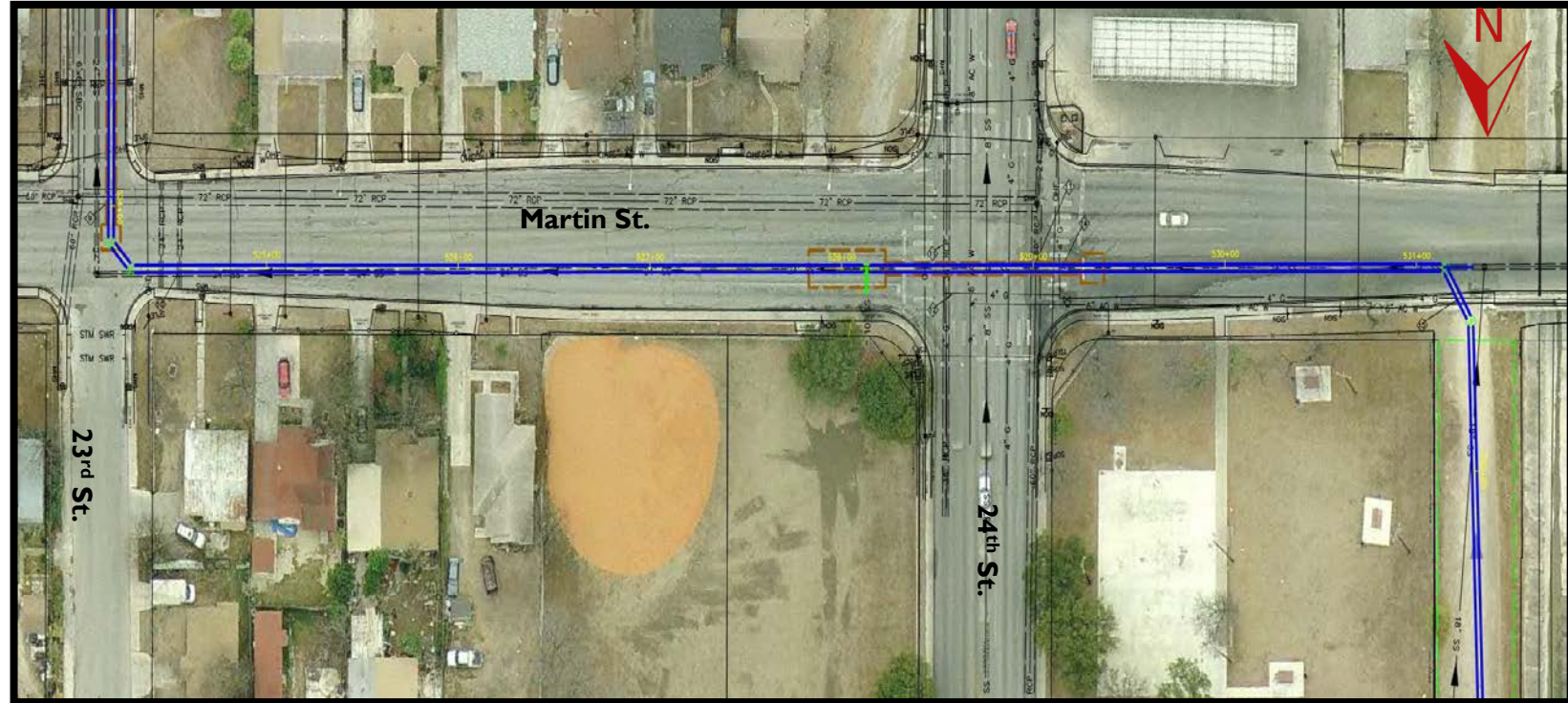
Phase IB Tie-in

- Phase IB construction scheduled for completion in December 2018
- Contractor shall measure tie-in elevation prior to construction

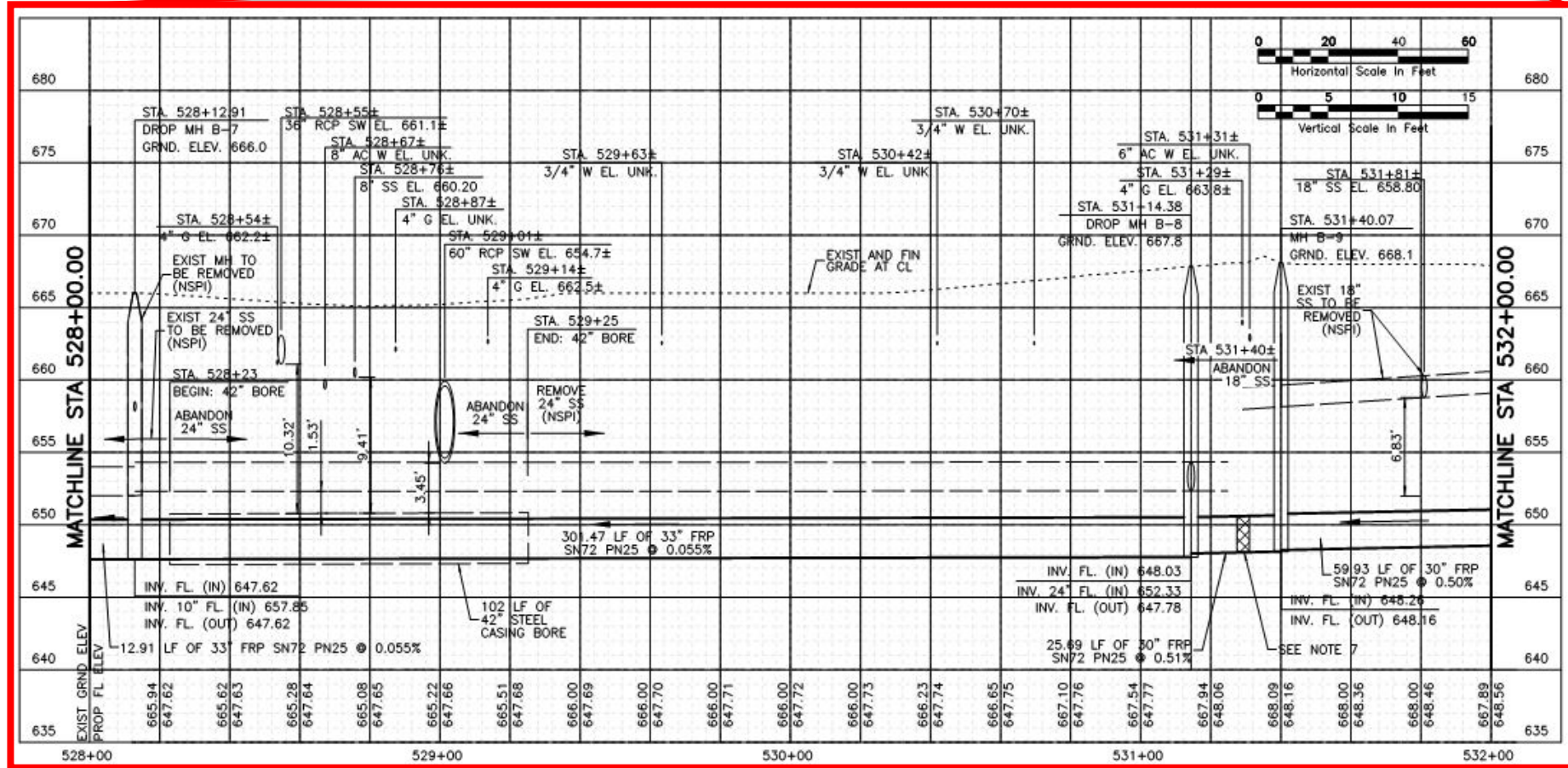


Martin St.

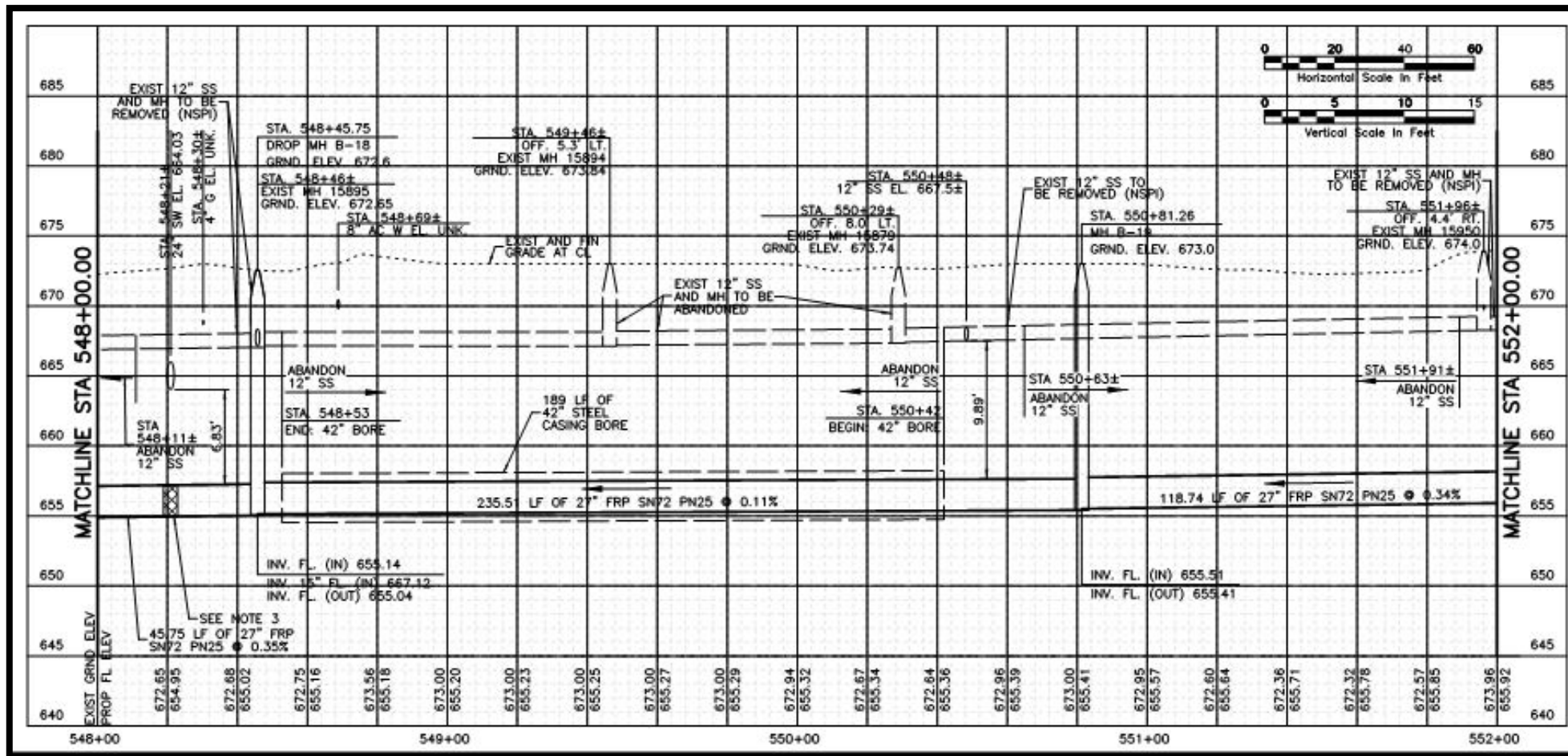
- 24th St. bore minimal clearance under existing 24" SS
- Potential bus pad replacement
- TCP and bypass coordination
- Minimum slopes on Martin St. & NW 23rd St.



Martin St.

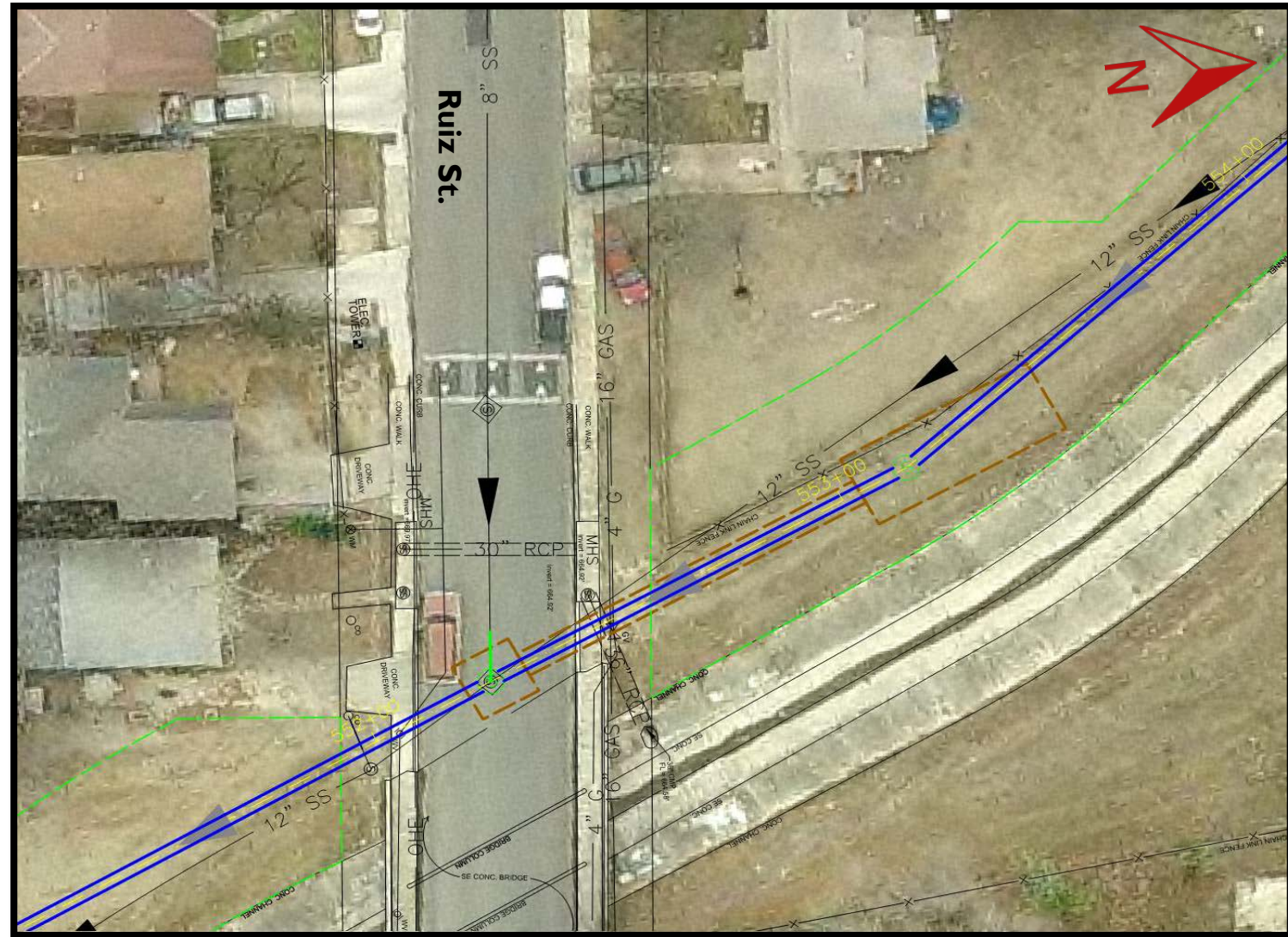


26th St. Tunnel



Ruiz St. Crossing

- Coordinate with resident regarding fence removal
 - Install temporary fence during construction
 - Install permanent fence
- Natural gas crossing, 16"



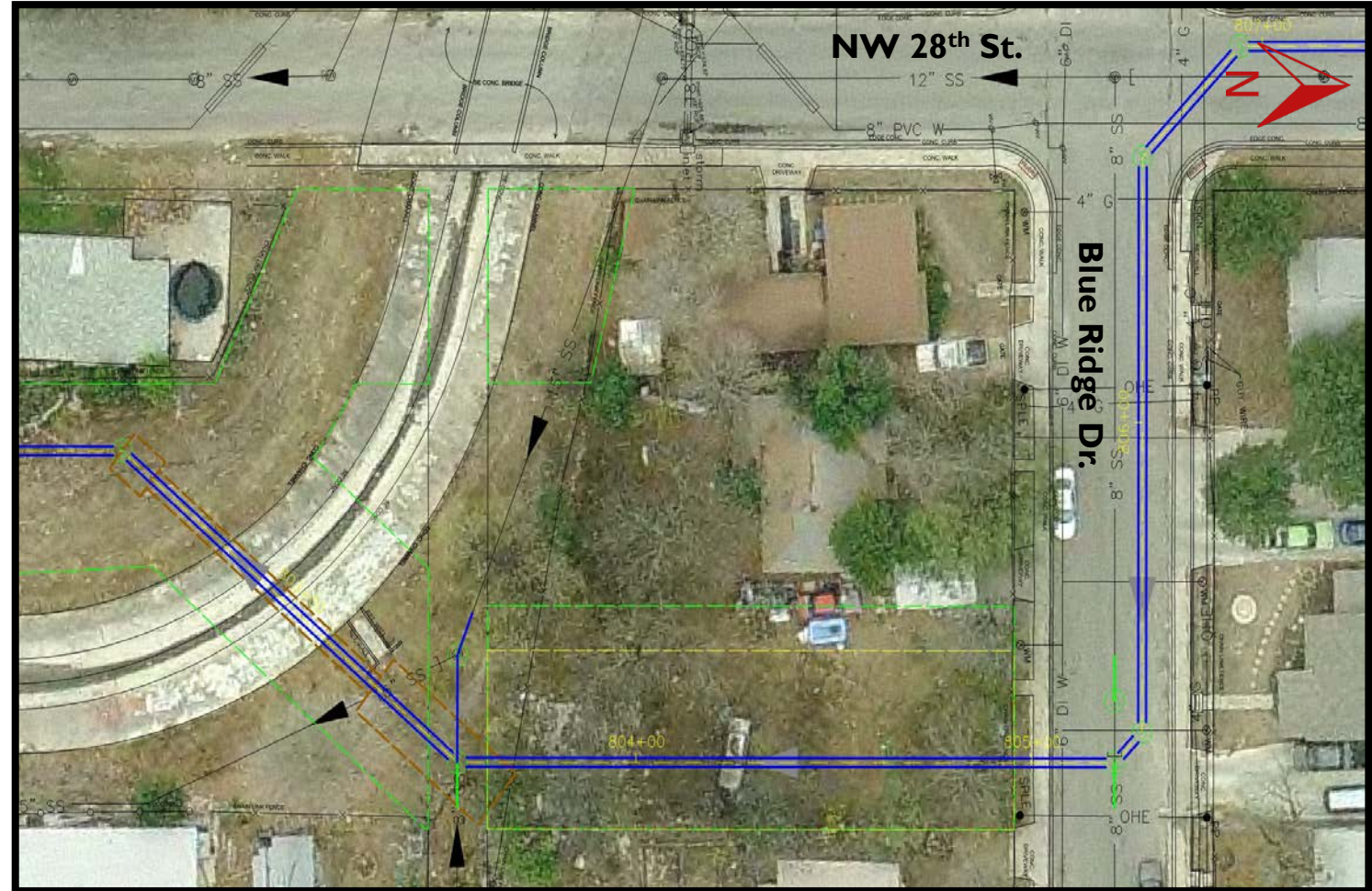
Rivas St. Tunnel

- Sewer depth approximately 17.5'
- Limited access from Rivas St. and alley



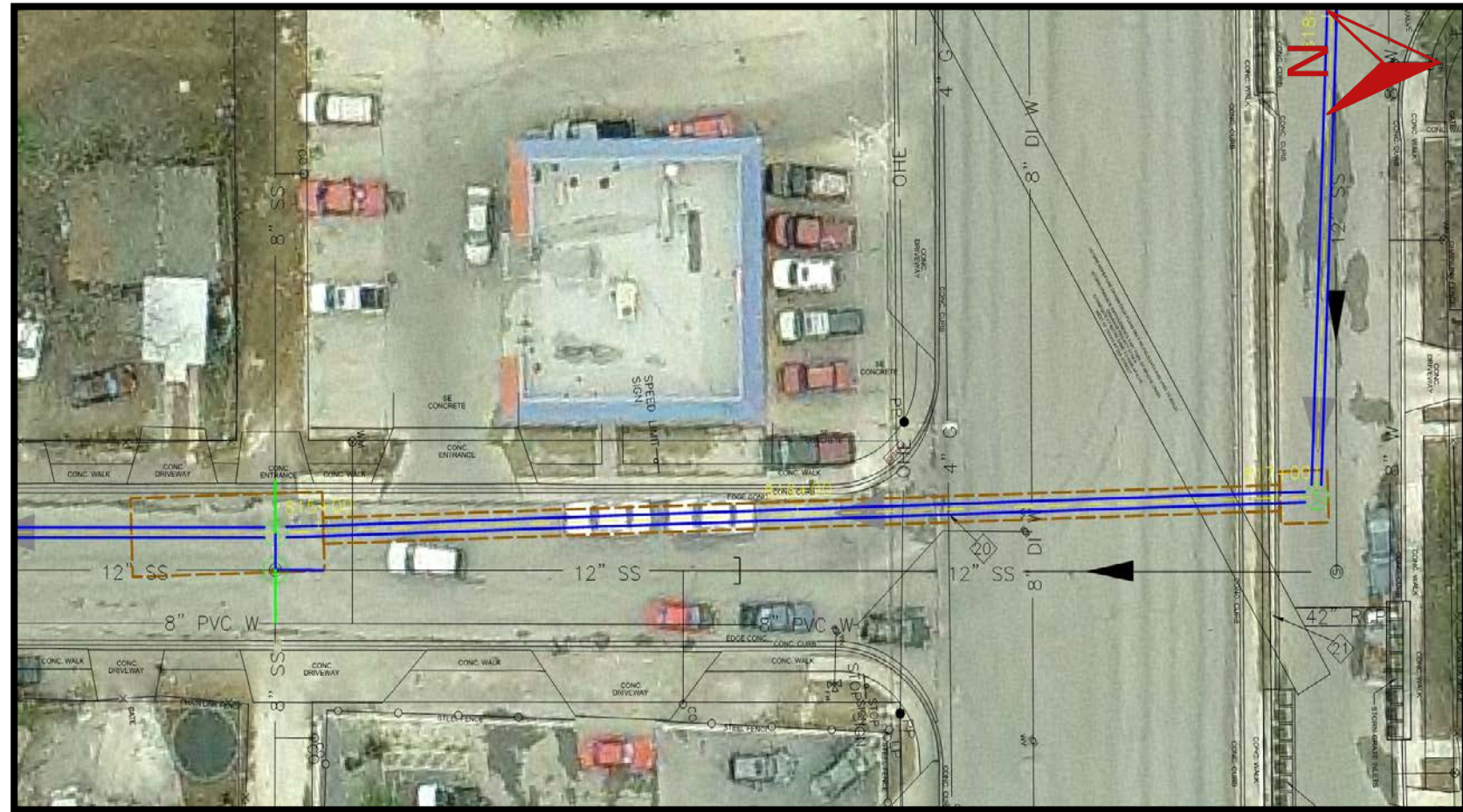
Blue Ridge Property Crossing

- CCTV prior to construction to verify service laterals
- Coordinate with resident regarding fence removal
 - Install temporary fence during construction
 - Install permanent fence

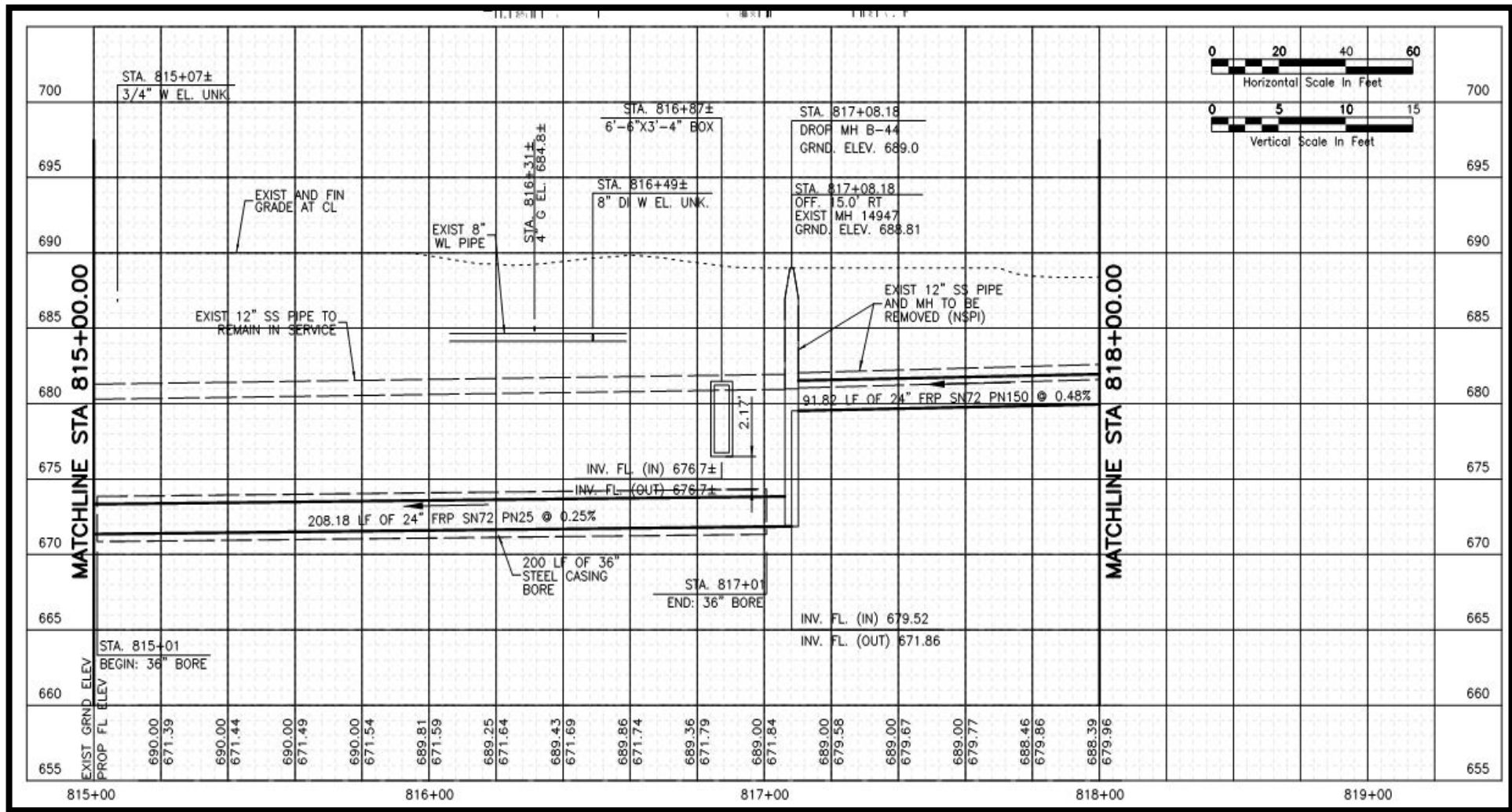


Culebra Rd. Crossing

- Driveway access to businesses at all times
- Maintain 12" SS in service during tunnel construction
- Use carrier pipe under Culebra Rd. for bypass during replacement of 12" SS



Culebra Rd. Crossing



Sequencing and Coordination

- Alignment E
 - Construction may begin with NTP
- Alignment B
 - Ties into Phase 1B
 - Construction may not begin until Phase 1B construction is complete

1.03 WORK SEQUENCE

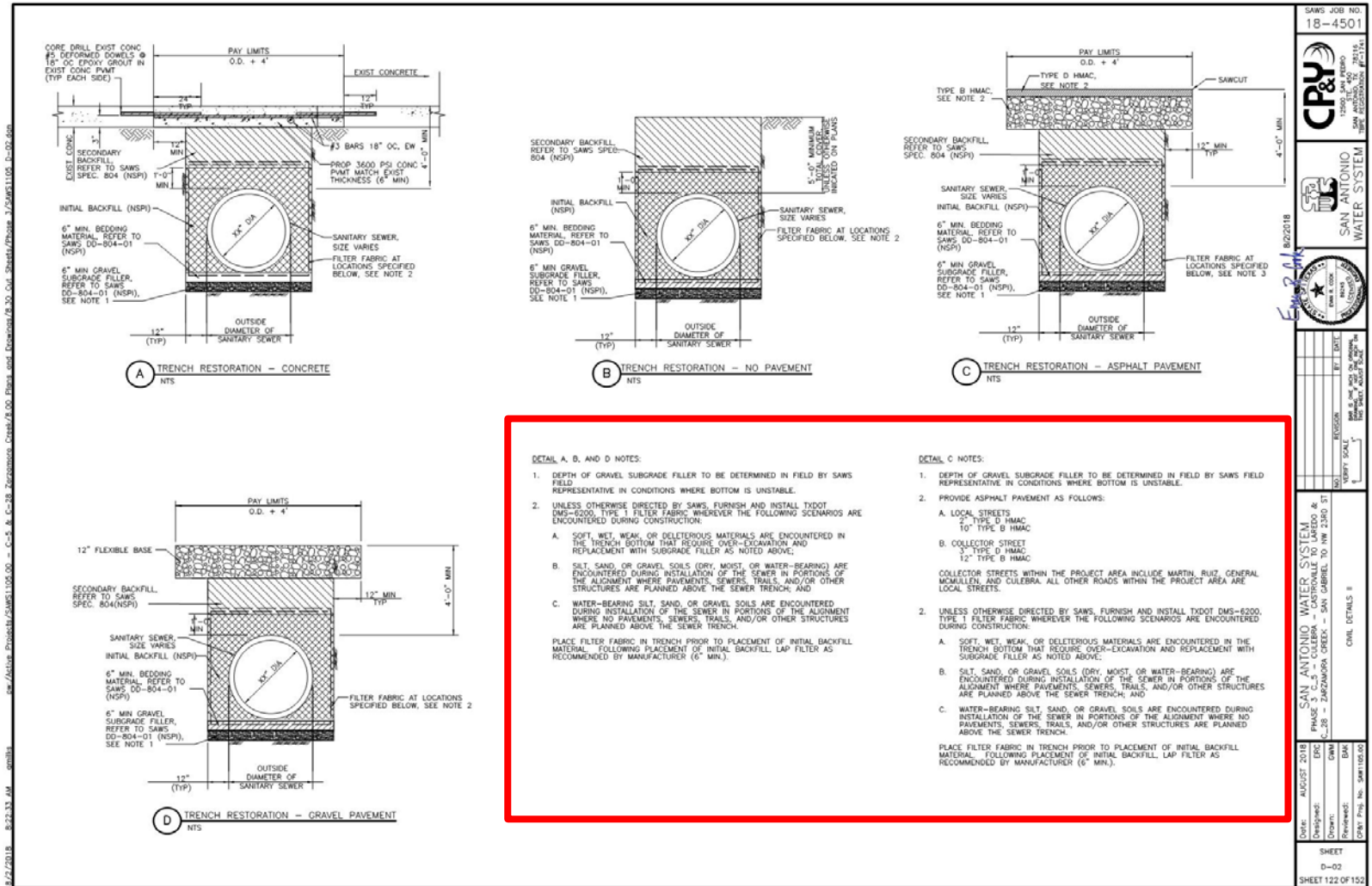
- A. Contractor shall develop a detailed sequence of work for OWNER and ENGINEER's review and acceptance, prior to beginning construction. The general work sequence requirements are as follows:
1. Phase work as required for construction activities and to maintain water and sewer service. Where possible, phase construction such that a phase of work is less than 2,000 linear feet.
 2. Contractor shall install temporary erosion control measures per the Drawings and requirements of these Specifications.
 3. Contractor shall install traffic control measures per the Drawings and requirements of these Specifications for applicable phases of work.
 4. Prior to constructing 33-inch, 30-inch, 27-inch or 24-inch sanitary sewer, pre-televise existing sewer lines as noted in plans.
 5. Contractor shall phase construction of proposed 33-inch, 30-inch, 27-inch or 24-inch sanitary in such manner to maintain service. Provide bypass pumping as required to maintain service.
- B. Schedule Restriction for Alignment B: Alignment B ties into Phase 1B which is currently under construction at the time of bidding for Phase 3. The Phase 3 Contractor will be allowed to start work on Alignment E when Notice to Proceed is given for the project. Work on installation of the sewer line for Alignment B will not be allowed until construction of the Phase 1-B sewer line is completed by others and the Phase 3 Contractor can verify the elevation of the tie-in point.

*Phase 3 Contract Documents: Page 01015-3

Unique Features

Filter Fabric around Initial Backfill

- Over-Excavation is required.
- Water-bearing silt, sand, or gravel is found.
- Dry silt, sand, or gravel is found beneath roads or other facilities.



*Phase 3 Project Plans: Sheet 122

Unique Features

Drainage Structures

- Remove and replace three drainage structures on Alignment B and three drainage structures on Alignment E.
- Coordinate schedule with COSA mowing operations.
- Notify COSA prior to demolition of drainage structures.

The drawing consists of three rows, each representing a drainage structure. Each row includes a top-down photograph of the structure with overlaid dimensions and a side-view photograph showing its profile. Technical notes and specifications are provided for each structure.

Structure 1 (Top): Dimensions: 5 LF, 42". Note: REPLACE CONCRETE DRAINAGE STRUCTURE, SEE NOTE 1. Side view note: DRAINAGE STRUCTURE FLOWLINE SHALL MATCH TOP OF CONCRETE RIP-RAP. SEE EXPANSION JOINT DETAIL SHEET D-008 (TYP. FOR ALL DRAINAGE STRUCTURES).

Structure 2 (Middle): Dimensions: 55 LF, 8 LF. Note: REPLACE CONCRETE DRAINAGE STRUCTURE, SEE NOTE 1. Side view note: DRAINAGE STRUCTURE ALIGNMENT B, STA. 540+96 (NOT TO SCALE).

Structure 3 (Bottom): Dimensions: 10 LF, 1 LF. Note: REPLACE CONCRETE DRAINAGE STRUCTURE, SEE NOTE 1. Side view note: DRAINAGE STRUCTURE ALIGNMENT B, STA. 554+43 (NOT TO SCALE).

Structure 4 (Bottom Right): Dimensions: 10 LF, 1 LF. Note: REPLACE CONCRETE DRAINAGE STRUCTURE, SEE NOTE 1. Side view note: DRAINAGE STRUCTURE ALIGNMENT B, STA. 569+11 (NOT TO SCALE).

Technical Specifications:

- STA. 540+96 ALLEY B6 W = 4' H = 1'-3/8"
- STA. 554+43 ALLEY B7 W = 4' H = 1'-3/8"
- STA. 569+11 ALLEY B72 W = 4' H = 1'-3/8"

SHEET NOTES:

- REMOVE EXISTING REINFORCED CONCRETE DRAINAGE STRUCTURE IN KIND WITH NEW MATERIALS AS SHOWN ON SHEET C-208 AND SPECIFIED IN COSA ITEM 500 AND 501. MATCH EXISTING CONCRETE DIMENSIONS AND SLOPES. ATTACH NEW CONCRETE TO EXISTING CONCRETE USING NO. 4 #10 LONG BOWTIES AS SHOWN IN THE CONNECTION DETAIL ON SHEET C-207. CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACEMENT IN KIND OF ANY DAMAGED DRAINAGE STRUCTURES WITH NEW MATERIALS IN ACCORDANCE WITH APPLICABLE COSA DETAILS AND SPECIFICATIONS.
- PROVIDE 8" (MIN.) COMPACTED FLEXIBLE BASE AND 160# ASPHALT PAVEMENT MATERIAL BENEATH REPLACEMENT DRAINAGE STRUCTURE. COMPACT TO 90% STANDARD PROCTOR DENSITY.
- PROVIDE AN ISOLATION JOINT BETWEEN THE DRAINAGE STRUCTURE AND THE EXISTING CONCRETE RIP-RAP PER DETAIL B ON SHEET C-000.
- NOTIFY CITY OF SAN ANTONIO STORM WATER OPERATIONS AT LEAST ONE WEEK PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITY IN THE VICINITY OF DRAINAGE STRUCTURES AT FRANCISCO.NEWBERRY@SANANTONIO.GOV.

Project Information: SAN ANTONIO WATER SYSTEM, PHASE 3 - 2402 AVONDA CREEK - SAN GABRIEL TO HWY 1340 ST, C-28

Scale: 1" = 10'-0"

Revision Table:

NO.	REVISION	DATE

Design Team: Design: DJC, Drawn: GMM, Reviewed: BJK, Project No.: SAA1100.00

Date: AUGUST 2018

Scale: 1" = 10'-0"

Sheet: D-08, SHEET 128 OF 152

Contract Requirements

Special Provisions

- Item 100 – Mobilization: Establishes Intermediate Demobilization and Remobilization bid item if elected by SAWS, including definition of related temporary bypass pumping activities during SAWS-authorized demobilizations.
- Item 864 – Bypass Pumping, large Diameter Sanitary Sewers: Establishes extended Bypass Pumping equipment rental, fuel, and watch payment items if needed in association with SAWS-approved intermediate demobilization.

Contract Requirements

Special Provisions

- Items SP 848 & SP 857 – Payment for installation of pipe (LF) and separate pay item for testing (LS).
- Items SP 852 & SP 853 – Payment for installation of manholes (EA) and separate pay item for testing (LS).
- Other Special Provisions as described.

Special Conditions

Coordination with Property Owners and Stakeholders

- City of San Antonio (CoSA) Parks Department
- CoSA Office of Historical Preservation
- CoSA Tree Preservation
- San Antonio River Authority (SARA)
- CPS Energy
- KIPP Camino Academy

Temporary fencing and separation of construction activities

Contract Requirements

Supplemental Conditions

- Liquidated damages (LDs) for final completion extending beyond contract time will be assessed at a rate of:
\$1,100 per Day

Project Questions

- Should be submitted no later than August 27, 2018 at 10:00 AM CDT
- Must be submitted in writing:

Fred Flores

Contract Administrator

Contract Administration Department

San Antonio Water System

Fred.Flores@saws.org

Fax: (210) 233-4290

Any Questions of Items Discussed Up to This Point?

- Remember: Submit Questions in Writing

C5 Culebra – Castroville to Laredo & C28 Zarzamora Creek – San Gabriel to NW 23rd Street Phase 3

Chris Mason, P.E.

Project Engineer, SAWS

David Gonzales

Manager – Construction Management, SAWS

Fred Flores

Contract Administrator, SAWS

Diana Woltersdorf

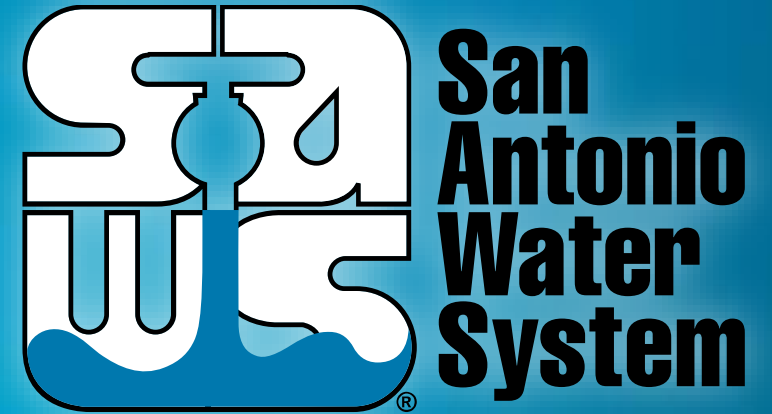
Contract Manager, SAWS

Susan Rodriguez

SMWVB Program Specialist, SAWS

Evan Cook, P.E.

Project Engineer of Record, CP&Y



Non-Mandatory Pre-Proposal Meeting
August 22, 2018 at 10 AM

MAKING SAN ANTONIO
WATERFUL 