



2023 SMP Package III (Hermine Blvd, Bartmer Ave)
Solicitation No. CO-00574
Job No. 21-5056 (Water) & 21-5554 (Sewer)

ADDENDUM 1
September 14, 2022

To Bidder of Record:

This addendum, applicable to work referenced above, is an amendment to the bid proposal, plans and specifications and as such will be a part of and included in the Contract Documents. Acknowledge receipt of this addendum by entering the Addendum number and issue date on the space provided in submitted copies of the bid proposal.

RESPONSES TO QUESTIONS

1. Question: What is the anticipated award date?

Response: Contract will be taken to the November 1st, 2022 SAWS Board

2. Question: Due to the scope of the work and the difficulty in obtaining material, will SAWS increase the days 400 days for substantial completion?

Response: Time for material delays have already been factored into the original contract duration. However full contract duration will be increased from 365 calendar days to 395 calendar days.

3. Question: Will the owner allow for price adjustments when acts of god or “force majeure” events cause material prices to increase?

Response: SAWS does not recognize force majeure in our contracts.

CHANGES TO THE SPECIFICATIONS

1. Remove the Bid Proposal (BP-1–BP-6) in its entirety and replaced with attached. Bidders to note construction duration has been revised to 395 calendar days. Bidders shall use the revised Bid Proposal attached to this Addendum when submitting a bid for this project. Failure to use the revised Bid Proposal may result in the bid being found non-responsive.

2. Remove the Proposal Certification (PC-1) in its entirety and replaced with attached. Bidders to note construction duration has been revised to 395 calendar days.

3. Remove the Contract Agreement (CA-1–CA-2) in its entirety and replaced with attached. Bidders to note construction duration has been revised to 395 calendar days.

4. Remove the Special Conditions (SC-1-SC-3) in its entirety and replaced with attached. Bidders to note construction duration has been revised to 395 calendar days.

CHANGES TO THE PLANS

1. **Sheet W-9 Bartmer Ave. Water Main Replacement Begin Project To Sta 17+00 – Remove Sheet W-9 in its entirety and replace with revised version attached to this addendum.**
2. **Sheet W-10 Bartmer Ave. Water Main Replacement Sta 17+00 To Sta 25+00 – Remove Sheet W-10 in its entirety and replace with revised version attached to this addendum.**
3. **Sheet W-11 Bartmer Ave. Water Main Replacement Sta 25+00 To End Project – Remove Sheet W-11 in its entirety and replace with revised version attached to this addendum.**
4. **Sheet W-17 Hermine Blvd. Water Main Replacement Begin Project To Sta 17+00 – Remove Sheet W-17 in its entirety and replace with revised version attached to this addendum.**
5. **Sheet W-18 Hermine Blvd. Water Main Replacement Sta 17+00 To Sta 25+00 – Remove Sheet W-18 in its entirety and replace with revised version attached to this addendum.**
6. **Sheet W-19 Hermine Blvd. Water Main Replacement Sta 25+00 To End Project – Remove Sheet W-19 in its entirety and replace with revised version attached to this addendum.**
7. **Sheet W-23 Miscellaneous Details – Trench – Remove Sheet W-23 in its entirety and replace with revised version attached to this addendum.**

CLARIFICATIONS

1. **The construction duration has been increased from 365 calendar days to 395 calendar days to account for additional material delays.**
2. **Sheet W-9 Bartmer Ave. Water Main Replacement Begin Project To Sta 17+00 – Note 8 "CONTRACTOR TO FULLY RESTRAINED ALL PIPE" has been replaced with "SEE SHEET W-23 FOR RESTRAINED LENGTH TABLE".**
3. **Sheet W-10 Bartmer Ave. Water Main Replacement Sta 17+00 To Sta 25+00 – Note 8 "CONTRACTOR TO FULLY RESTRAINED ALL PIPE" has been replaced with "SEE SHEET W-23 FOR RESTRAINED LENGTH TABLE".**
4. **Sheet W-10 Bartmer Ave. Water Main Replacement Sta 17+00 To Sta 25+00 – tie-in callouts at Benrus Blvd. to include the following “CONTRACTOR TO PROVIDE THRUST BLOCKING AT TIE-IN TO EXIST MAIN”**
5. **Sheet W-11 Bartmer Ave. Water Main Replacement Sta 25+00 To End Project – Note 8 "CONTRACTOR TO FULLY RESTRAINED ALL PIPE" has been replaced with "SEE SHEET W-23 FOR RESTRAINED LENGTH TABLE".**
6. **Sheet W-17 Hermine Blvd. Water Main Replacement Begin Project To Sta 17+00 – Note 8 "CONTRACTOR TO FULLY RESTRAINED ALL PIPE" has been replaced with "SEE SHEET W-23 FOR RESTRAINED LENGTH TABLE".**
7. **Sheet W-17 Hermine Blvd. Water Main Replacement Begin Project To Sta 17+00 – tie-in callout at Capitol Ave. to include the following “CONTRACTOR TO PROVIDE THRUST BLOCKING AT TIE-IN TO EXIST MAIN”**

8. **Sheet W-18 Hermine Blvd. Water Main Replacement Sta 17+00 To Sta 25+00 – Note 8 "CONTRACTOR TO FULLY RESTRAINED ALL PIPE" has been replaced with "SEE SHEET W-23 FOR RESTRAINED LENGTH TABLE".**
9. **Sheet W-19 Hermine Blvd. Water Main Replacement Sta 25+00 To End Project – Note 7 "CONTRACTOR TO FULLY RESTRAINED ALL PIPE" has been replaced with "SEE SHEET W-23 FOR RESTRAINED LENGTH TABLE".**
10. **Sheet W-19 Hermine Blvd. Water Main Replacement Sta 25+00 To End Project – tie-in callout at Blanco Rd. to include the following “CONTRACTOR TO PROVIDE THRUST BLOCKING AT TIE-IN TO EXIST MAIN”**
11. **Sheet W-23 Miscellaneous Details – Trench – Restrained Length Table included for Bartmer Ave. and Hermine Blvd.**

END OF ADDENDUM 1

This Addendum, including these three (3) pages, is twenty-two (22) pages with attachments in its entirety.

Attachments:

Revised Bid Proposal (6 Pages)

Revised Proposal Certification (1 Page)

Revised Contract Agreement (2 Page)

Revised Special Conditions (3 Page)

Revised Plan Sheet W-9 Bartmer Ave. Water Main Replacement Begin Project To Sta 17+00

Revised Plan Sheet W-10 Bartmer Ave. Water Main Replacement Sta 17+00 To Sta 25+00

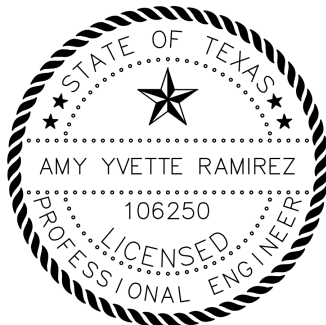
Revised Plan Sheet W-11 Bartmer Ave. Water Main Replacement Sta 25+00 To End Project

Revised Plan Sheet W-17 Hermine Blvd. Water Main Replacement Begin Project To Sta 17+00

Revised Plan Sheet W-18 Hermine Blvd. Water Main Replacement Sta 17+00 To Sta 25+00

Revised Plan Sheet W-19 Hermine Blvd. Water Main Replacement Sta 25+00 To End Project

Revised Plan Sheet W-23 Miscellaneous Details – Trench



Amy Y. Ramirez, P.E.

9-14-22

Amy Yvette Ramirez, PE
WGI, Inc.

BID PROPOSAL

PROPOSAL OF _____, a corporation a
partnership consisting of _____
an individual doing business as _____

THE SAN ANTONIO WATER SYSTEM:

Pursuant to Instructions and Invitation to Bidders, the undersigned proposes to furnish all labor and materials as specified and perform the work required for the project as specified, in accordance with the Plans and Specifications for the following prices in the bid proposal to wit:

PLEASE SEE ATTACHED LIST OF BID ITEMS.

BIDDER'S SIGNATURE & TITLE

FIRM'S NAME (TYPE OR PRINT)

FIRM'S ADDRESS

FIRM'S PHONE NO. /FAX NO.

FIRM'S EMAIL ADDRESS

The Contractor herein acknowledges receipt of the following: **Addendum No(s).** _____

OWNER RESERVES THE RIGHT TO ACCEPT THE OVERALL MOST RESPONSIBLE BID.

The bidder offers to construct the Project in accordance with the Contract Documents for the contract price, and to complete the Project within 395 calendar days after the start date, as set forth in the Authorization to Proceed. **The bidder understands and accepts the provisions of the contract Documents relating to liquidated damages of the project if not completed on time.**

Complete the additional requirements of the Bid Proposal which are included on the following pages.

Statement on President's Executive Orders

Has your firm previously performed work subject to the President's Executive Orders Numbers 11246 and 11375 or any preceding similar executive orders (Numbers 10925 and 11114)? Yes No

Texas Government Code Chapter 2274 Verifications

- (1) Are you, Contractor, held or controlled by individuals who are citizens of China, Iran, North Korea, Russia or a country designated by the Governor of the State of Texas pursuant to Texas Government Code Chapter 2274? Yes No
- (2) Are you, Contractor, held or controlled by a company or other entity, including a governmental entity, that is owned or controlled by citizens of or directly controlled by the government of China, Iran, North Korea, Russia or a country designated by the Governor of the State of Texas pursuant to Texas Government Code Chapter 2274? Yes No
- (3) Are you, Contractor, headquartered in China, Iran, North Korea, Russia or a country designated by the Governor of the State of Texas pursuant to Texas Government Code Chapter 2274?
Yes No

2023 SMP Package III (Hermine Blvd, Bartmer Ave)
 Solicitation No. CO-00574
 Job No. 21-5056 (Water) & 21-5554 (Sewer)

Line No.	Item No.	Spec Item	Description	Unit	Quantity	Unit Price	Total Price
1	1 W	103.1	REMOVE CONCRETE CURB (COSA SPEC)	LF	1133	\$	\$
2	2 W	103.3	REMOVE CONCRETE SIDEWALKS & DRIVEWAYS (COSA SPEC)	SF	1796	\$	\$
3	3 W	103.4	REMOVE MISCELLANEOUS CONCRETE (COSA SPEC)	SF	102	\$	\$
4	4 W	203.1	TACK COAT (COSA SPEC)	GAL	363	\$	\$
5	5 W	205.2	HOT MIX ASPHALTIC PAVEMENT - TYPE B (10" COMP. DEPTH) (COSA SPEC)	SY	1841	\$	\$
6	6 W	205.4	HOT MIX ASPHALTIC PAVEMENT - TYPE D (2" PAVEMENT THICKNESS) (COSA SPEC)	SY	3617	\$	\$
7	7 W	208.1	SALVAGING, HAULING, AND STOCKPILING RECLAIMABLE ASPHALTIC PAVEMENT (2") (COSA SPEC)	SY	1342	\$	\$
8	8 W	299	FLOWABLE FILL	CY	161	\$	\$
9	9 W	500.1	CONCRETE CURB (COSA SPEC)	LF	1133	\$	\$
10	10 W	502	CONCRETE SIDEWALK (COSA SPEC)	SY	201	\$	\$
11	11 W	503.1	PORTLAND CEMENT CONCRETE DRIVEWAY (COSA SPEC)	SY	7	\$	\$
12	12 W	503.3	CONCRETE DRIVEWAYS, EXPOSED AGGREGATE (COSA SPEC)	SY	4	\$	\$
13	13 W	506.1	CONCRETE RETAINING WALLS – COMBINATION TYPE (COSA SPEC)	CY	5	\$	\$
14	14 W	515	TOPSOIL (COSA SPEC)	CY	12	\$	\$
15	15 W	516.1	BERMUDA SODDING (COSA SPEC)	SY	95	\$	\$
16	16 W	524.1	CONCRETE STEPS (COSA SPEC)	CY	2	\$	\$
17	17 W	530.1	BARRICADES, SIGNS AND TRAFFIC HANDLING (COSA SPEC) (BARTMER AVE.)	EA	1	\$	\$
18	18 W	530.1	BARRICADES, SIGNS AND TRAFFIC HANDLING (COSA SPEC) (HERMINE BLVD.)	EA	1	\$	\$
19	19 W	535	4-INCH WIDE YELLOW LINE (<100,000 LF)	LF	20	\$	\$
20	20 W	537.8	PAVEMENT MARKER (TYPE II-A-A)	EA	4	\$	\$

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Line No.	Item No.	Spec Item	Description	Unit	Quantity	Unit Price	Total Price
21	21 W	550	TRENCH EXCAVATION SAFETY PROTECTION	LF	4080	\$	\$
22	22 W	818	6" PVC WATERLINE (RESTRAINED)	LF	20		
23	23 W	818	8" PVC WATERLINE (RESTRAINED)	LF	4060	\$	\$
24	24 W	824	RELAY 3/4" SHORT SERVICE	EA	28	\$	\$
25	25 W	824	RELAY 3/4" LONG SERVICE	EA	26	\$	\$
26	26 W	824	RELAY 1" SHORT SERVICE	EA	18	\$	\$
27	27 W	824	RELAY 1" LONG SERVICE	EA	16	\$	\$
28	28 W	824	NEW 3/4" SHORT UNMETERED SERVICE	EA	1	\$	\$
29	29 W	824	NEW 1" SHORT UNMETERED SERVICE	EA	1	\$	\$
30	30 W	824	NEW 1" LONG UNMETERED SERVICE	EA	1	\$	\$
31	31 W	824	RELOCATE 3/4" SHORT SERVICE	EA	5	\$	\$
32	32 W	824	RELOCATE 3/4" LONG SERVICE	EA	7	\$	\$
33	33 W	824	RELOCATE 1" LONG SERVICE	EA	1	\$	\$
34	34 W	824.5	CUSTOMER SHUT-OFF VALVE	EA	101	\$	\$
35	35 W	828	8" GATE VALVE (COMPLETE)	EA	15	\$	\$
36	36 W	833	NEW METER BOX	EA	91	\$	\$
37	37 W	833	EXISTING METER & NEW METER BOX RELOCATION	EA	13	\$	\$
38	38 W	834	FIRE HYDRANT	EA	8	\$	\$
39	39 W	836	PIPE FITTINGS, ALL SIZES & TYPES	TN	4.0	\$	\$
40	40 W	840	6" WATER TIE-INS	EA	4	\$	\$

2023 SMP Package III (Hermine Blvd, Bartmer Ave)
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Line No.	Item No.	Spec Item	Description	Unit	Quantity	Unit Price	Total Price
41	41 W	840	8" WATER TIE-INS	EA	4	\$	\$
42	42 W	841	HYDROSTATIC TESTING	EA	4	\$	\$
43	43 W	844	2" BLOW-OFF, TEMPORARY	EA	8	\$	\$
44	44 W	1020	WATER MAIN BREAK/LEAK REPAIRS (6"-16" DIAMETERS), ALL TYPES	EA	2	\$	\$
45	45 W	3000	REMOVAL, TRANSPORTATION AND DISPOSAL OF VARIOUS SIZES OF A.C. PIPE	LF	1261	\$	\$
46	46 W	3100	4" TEMPORARY WATER MAIN (4" HDPE), INCLUDING ALL NECESSARY TRENCHING, TRENCH REPAIR, PIPING, FITTINGS, VALVES, SERVICE CONNECTIONS, TIE-INS, AND TESTING	LS	1	\$	\$
47	47 W	3001	POLE BRACING	ALW	1	\$ 44,000.00	\$
48	1 S	103.1	REMOVE CONCRETE CURB (COSA SPEC)	LF	374	\$	\$
49	2 S	103.3	REMOVE CONCRETE SIDEWALKS & DRIVEWAYS (COSA SPEC)	SF	3228	\$	\$
50	3 S	103.4	REMOVE MISCELLANEOUS CONCRETE (COSA SPEC)	SF	20	\$	\$
51	4 S	203.1	TACK COAT (COSA SPEC)	GAL	111	\$	\$
52	5 S	205.2	HOT MIX ASPHALTIC PAVEMENT - TYPE B (10" COMPACTED DEPTH) (COSA SPEC)	SY	887	\$	\$
53	6 S	205.4	HOT MIX ASPHALTIC PAVEMENT - TYPE D (2" COMPACTED DEPTH) (COSA SPEC)	SY	1103	\$	\$
54	7 S	500.1	CONCRETE CURB (COSA SPEC)	LF	374	\$	\$
55	8 S	502	CONCRETE SIDEWALK (COSA SPEC)	SY	48	\$	\$
56	9 S	503.1	PORTLAND CEMENT CONCRETE DRIVEWAY (COSA SPEC)	SY	312	\$	\$
57	10 S	503.5	GRAVEL DRIVEWAY (COSA SPEC)	SY	18	\$	\$
58	11 S	506.1	CONCRETE RETAINING WALLS – COMBINATION TYPE (COSA SPEC)	CY	7	\$	\$
59	12 S	530.1	BARRICADES, SIGNS AND TRAFFIC HANDLING (COSA SPEC) (OPEN CUT) (BARTMER AVE.)	EA	1	\$	\$
60	13 S	530.1	BARRICADES, SIGNS AND TRAFFIC HANDLING (COSA SPEC) (OPEN CUT) (HERMINE BLVD.)	EA	1	\$	\$

2023 SMP Package III (Hermine Blvd, Bartmer Ave)
 Solicitation No. CO-00574
 Job No. 21-5056 (Water) & 21-5554 (Sewer)

Line No.	Item No.	Spec Item	Description	Unit	Quantity	Unit Price	Total Price
61	14 S	550	TRENCH EXCAVATION SAFETY PROTECTION	LF	1820	\$	\$
62	15 S	848	8" PVC GRAVITY SANITARY SEWER PIPE (SDR-26, ASTM 2241, 160 P SI) (ALL DEPTHS)	LF	1820	\$	\$
63	16 S	851	EXISTING MANHOLE ADJUSTMENTS	EA	1	\$	\$
64	17 S	852	4' DIA. SANITARY SEWER MANHOLE (0'-6' DEPTH) WATERTIGHT	EA	7	\$	\$
65	18 S	852	EXTRA DEPTH MANHOLES (> 6')	VF	18.3	\$	\$
66	19 S	852	4' DIA. SANITARY SEWER DROP MANHOLE (0'-6' DEPTH) WATERTIG HT	EA	1	\$	\$
67	20 S	852	EXTRA DEPTH DROP MANHOLE (>6')	VF	6.5	\$	\$
68	21 S	854	6" PVC SANITARY SEWER LATERALS (SDR-26, ASTM 2241, 160 PSI)	EA	1311	\$	\$
69	22 S	854.1	TWO-WAY SANITARY SEWER CLEANOUT	EA	42	\$	\$
70	23 S	854.2	TWO-WAY SANITARY SEWER CLEANOUT (HEAVY DUTY)	EA	13	\$	\$
71	24 S	858	CONCRETE ENCASEMENT, CRADLES, SADDLES AND COLLARS	CY	21	\$	\$
72	25 S	860	VERTICAL STACKS	VF	108	\$	\$
73	26 S	862	ABANDONMENT OF SANITARY SEWER MAINS, MANHOLES, AND STR	EA	1	\$	\$
74	27 S	865	BYPASS PUMPING (SMALL DIAMETER SANITARY SEWER) (BARTMER AVE.)	EA	1	\$	\$
75	28 S	865	BYPASS PUMPING (SMALL DIAMETER SANITARY SEWER) (HERMINE BLVD.)	EA	1	\$	\$
76	29 S	866	SEWER MAIN PRE-TELEVISION INSPECTION (8"-15" DIA.)	LF	1820	\$	\$
77	30 S	866	SEWER MAIN POST-TELEVISION INSPECTION (8" - 15" DIA.)	LF	1820	\$	\$
78	31 S	910.1	MANHOLE REHABILITATION	VF	5.4	\$	\$
79	32 S	1020	WATER MAIN BREAK/LEAK REPAIRS (6"-16" DIAMETERS), ALL TYPES	EA	2	\$	\$
80	33 S	3000	REMOVAL, TRANSPORTATION AND DISPOSAL OF VARIOUS SIZES OF A.C. PIPE	LF	52	\$	\$
81	34 S	3001	POLE BRACING	ALW	1	\$ 6,000.00	\$
SUBTOTAL (ITEMS 1-81)						\$	

100	MOBILIZATION AND DEMOBILIZATION, MAX 10 % OF LINE ITEMS 1 - 81	LS	1	\$
101	PREPARING ROW, MAX 5 % OF LINE ITEMS 1 - 81	LS	1	\$
102.1	INTERMEDIATE DEMOBILIZATION AND REMOBILIZATION (Water)	EA	1	\$
102.1	INTERMEDIATE DEMOBILIZATION AND REMOBILIZATION (Sewer)	EA	1	\$
102.2	INTERMEDIATE DEMOBILIZATION BYPASS PUMPING EQUIPMENT RENTAL	DAY	15	\$
102.3	INTERMEDIATE DEMOBILIZATION BYPASS PUMPING FUEL	DAY	15	\$
102.4	INTERMEDIATE DEMOBILIZATION BYPASS PUMPING WATCH	DAY	15	\$

Mobilization lump sum bid shall be limited to a maximum 10% of the Line Item "1-81" Sub-total Base Bid amount. Preparing Right-of-Way lump sum bid shall be limited to a maximum of 5% of the Line Item "1-81" Sub-total Base Bid amount. **The Line Item "1-81" Sub-total base bid is defined as all bid items EXCLUDING Item 100, Mobilization and Item 101, Preparing Right-of-Way. In the event of a discrepancy between the written percentage and dollar amount shown for Mobilization and Preparation of ROW bid items the written percentage will govern. If the percentage written exceeds the allowable maximum stated for mobilization and or preparation of ROW, SAWS reserves the right to cap the amount at the percentages shown and adjust the extensions of the bid items accordingly.**

TOTAL BID PRICE (TO INCLUDE LINE ITEMS 1 - 81 AND 100-102.4)	\$
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PROPOSAL CERTIFICATION

Accompanying this proposal is a Bid Bond or Certified or Cashier's Check payable to the Order of the San Antonio Water System for _____ dollars (\$_____), which amount represents five percent (5%) of the total bid price. Said bond or check is to be returned to the bidder unless the proposal is accepted and the bidder fails to execute and file a contract within **10** calendar days after the award of the Contract, in which case the check shall become the property of said San Antonio Water System, and shall be considered as payment for damages due to delay and other inconveniences suffered by said San Antonio Water System due to the failure of the bidder to execute the contract. The San Antonio Water System reserves the right to reject any and all bids.

It is anticipated that the Owner will act on this proposal within **60** calendar days after the bid opening. Upon acceptance and award of the contract to the undersigned by the Owner, the undersigned shall execute standard San Antonio Water System Contract Documents and make Performance and Payment Bonds for the full amount of the contract within **10** calendar days after the award of the Contract to secure proper compliance with the terms and provisions of the contract, to insure and guarantee the work until final completion and acceptance, and the guarantee period stipulated, and to guarantee payment of all lawful claims for labor performed and materials furnished in the fulfillment of the contract.

It is anticipated that the Owner will provide written Authorization to Proceed within **30** days after the award of the contract.

The work called for in this Contract shall commence on the date indicated in the SAWS written Authorization to Proceed. Under no circumstances shall the work commence prior to the date provided for in the SAWS issued, written Authorization to Proceed. Work shall be completed in full within **395** consecutive calendar days.

The undersigned further acknowledges compliance with "Wage and Labor Standard Provisions" of this contract and the use of the Blue Book rental rates for establishment of equipment rental rates whether owned or leased during the course of this Contract.

In completing the work contained in this proposal the undersigned certifies that bidder's practices and policies do not discriminate on the grounds of race, color, religion, sex or national origin and that the bidder will affirmatively cooperate in the implementation of these policies and practices.

Signed: _____
Company Representative

Company Name

Address

Please return bidder's check to:

Company Name

Address

CONTRACT

«Contract_No»

SAWS Job No. 21-5056 (Water) & 21-5554 (Sewer)

STATE OF TEXAS §
COUNTY OF BEXAR §

KNOW ALL MEN BY THESE PRESENTS:

That this Agreement made and entered into this «Board Date» day of «Board Month», A.D.,«Board Year», by and between **THE SAN ANTONIO WATER SYSTEM BOARD OF TRUSTEES**, hereinafter called **THE SAN ANTONIO WATER SYSTEM, COUNTY OF BEXAR, STATE OF TEXAS**, Acting through its Contracting Officer, First Party, hereinafter termed the Owner, and «Company Name», of the City of «City», County of «County», State of «State », Second Party, hereinafter termed the Contractor.

WITNESSETH: That for and in consideration of the payments and agreements hereinafter mentioned to be made and performed by said First Party, (Owner), the said Second Party, (Contractor), hereby agrees with the First Party to commence and complete the construction of certain improvements in the amount of «Written Contract Amt» Dollars «Formatted Price», for the San Antonio Water System Job No(s). «Bid Opening Date», dated «Bid Opening Date», the same being designated as San Antonio Water System Project 2023 SMP Package III (Hermine Blvd, Bartmer Ave).

The Contractor shall perform all work shown on the Plans and described Specifications and shall meet all requirements of this Agreement, The General and Special Conditions of the Agreement; and such Orders and Agreements for Extra Work as may subsequently be entered by the above named parties to this Agreement.

The Contractor shall not offer, confer, or agree to confer any benefit or gift to any San Antonio Water System employee and Water System employees are prohibited from soliciting, accepting or agreeing to accept any gifts from outside sources; please see Section M. – Gifts or Benefits of the Water System’s Code of Ethical Standards. Section M of the Water System’s Code of Ethical Standards regarding Gifts or Benefits is available on the SAWS Business Center website.

The Contractor hereby agrees to commence work under this Contract on the date indicated in the SAWS written Authorization to Proceed. Under no circumstances shall the work commence prior to the Contractor's receipt of SAWS issued, written Authorization to Proceed. Computation of Contract Time will begin on the construction start date as indicated on the written Authorization to Proceed. All work specified in these Contract Documents shall be completed within 395 calendar days from the construction start date indicated on the written Authorization to Proceed.

It is agreed and understood by the Owner and the Contractor that the provisions of Chapter 252, Texas Local Government Code, and/or Chapter 2269, Texas Government Code (as amended) apply to this contract. As applicable, the terms of the aforementioned state law are incorporated herein by reference. Contractor and Owner agree that pursuant to state law, Owner authorizes its duly designated administrative officer (Contracting Officer) to negotiate change orders up to and including the amount of \$100,000.00. It is also agreed and understood that any change orders which increase the cost of the work provided under the contract in excess of 25% of the original contract price are prohibited. The cost of the work provided under the contract may be decreased over 25% of the original contract price with the consent of the Contractor.

The Owner agrees to pay the Contractor in current funds, and to make payments on account, for the performance of the work in accordance with the Contract, at the prices set forth in the Contractor's Proposal, subject to additions and deductions, all as provided in the General Conditions of the Agreement.

The following documents, together with this Contract, comprise the Agreement, and they are as fully a part thereof as if herein repeated in full:

- The Invitation to Bidders or Invitation for Competitive Sealed Proposals
- The Instructions to Bidders or Instructions to Respondents
- The Supplementary Instructions to Respondents (if applicable)
- The Bid Proposal or Price Proposal
- The Payment Bond
- The Performance Bond
- The General Conditions of the Contract
- The Special Conditions of the Contract
- The Supplemental Conditions of the Contract
- The Construction Specifications
- The Standard Drawings
- Addenda
- Change Orders
- Good Faith Effort Plan

The Plans, designated San Antonio Water System Project [21-5056 \(Water\) & 21-5554 \(Sewer\): 2023 SMP Package III \(Hermine Blvd, Bartmer Ave\)](#).

In witness thereof of the Parties of these presents have executed this Agreement in the year and day of first above written.

The individuals executing this Contract each represent and warrant to the other party that he/she has full authority to execute this Contract on behalf of his/her respective party.

**SAN ANTONIO WATER SYSTEM BOARD
OF TRUSTEES, OWNER**

By _____
«Contracting_Director»
Director - Contracting

Date: _____

By _____
Contractor

By _____
(Signature)

(Print/Type Name)

Title _____

Date: _____

Special Conditions

SC 1.0 - PROJECT REQUIREMENTS

Contractor shall submit a completion report to SAWS when construction is completed. The completion report shall include but not limited to the following:

Pre and post MPEG-1 format and written to CD/DVD video and video logs.

Any test and/or submittals specified in this contract documents such as density tests, structural properties, etc. that are required.

SC 1.1 - PERFORMANCE TIME

PROJECT LOCATIONS: There are two (2) Project Locations as part of this construction package: Hermine Blvd. (Capitol Ave. to Blanco Rd.) and Bartmer Ave. (Dead-End to Dead-End) are each identified as a "Project Location".

- I. Multiple project locations shall be under construction concurrently. Final completion of all locations shall be achieved in 395 calendar days. Project locations may be completed in any order at Contractor's discretion. Order of construction shall be reflected in project detailed baseline schedule.

- II. After substantial completion has been achieved, final completion must be completed within 20 calendar days. The Contractor is required to provide the SAWS Inspector and the Engineer final redlines before the project can qualify for final completion. Substantial completion is when all water and sewer work has been completed, tested, and the water and sewer system has been accepted for service for both of the sites. Final completion is declared when the final punch-list is approved by SAWS, all infrastructure is in the ground, and final pavement and surface restoration is completed and associated permits inspected by permitting entity representative (inspectors) and closed.

SC 1.2 - SPECIFICATIONS

All work performed shall be in accordance with the Contract Documents and the current San Antonio Water System Specifications for Water and Sanitary Sewer Construction, these Special Conditions, the current Texas Department of Transportation Standard Specification for Construction of Highways, Streets, and Bridges, the current City of San Antonio Standard Specifications for Public Work Construction, City of San Antonio Utility Excavation Criterial Manual, or specifications and requirements of any other governing jurisdiction that may apply.

SC 1.3 - PAYMENT

- I. As specified in the Contract Documents unit price cost for the items bid shall include all the necessary and incidental work as subsidiary to the bid item, unless specifically called out in the plans or approved by SAWS. Pay items indicating no separate or additional pay for incidental, related, associated or other work will take precedence if in conflict with other pay provisions. If no pay item is included for any stipulated item, it will be considered as subsidiary to other pay items.

- II. It is the Contractor’s responsibility for the preparation, research, submittal and layout of the site specific submittals, including the Storm Water Pollution Prevention Plan, Traffic Control Plan, the Bypass Pumping Plan, and its approvals at no cost to SAWS. If no pay item is included for any stipulated item, it will be considered as subsidiary to other pay items. The Tree Preservation Protection Permit(s) are obtained by the Engineer during design finalizing. The contractor shall follow permit requirements and there will be no measurement or payment associated with the Tree Permit, unless otherwise noted. If applicable, there will be no measurement or payment for the Storm Water Pollution Prevention Plan or work.

- III. There will be no measurement or payment for insurance; bonding; and permitting costs on this contract. There will be no separate payment for temporary or permanent fencing, with all related costs included in the item to which it pertains. Clearing and grubbing or tree pruning will be paid under Item 101 – Preparing Right-of-Way, as noted in the contract documents.

SC 1.4 – ROOT PROTECTION ZONE

- I. Contractor shall hand dig any water service, fire hydrant branch, or sewer lateral connections within ½ of the tree protection zone (NSPI).

CONSENT DECREE NOTICE PROVISION

The San Antonio Water System (“SAWS”), the United States of America and the State of Texas have entered into a Consent Decree in Civil Action No. 5:13-cv-00666- DAE, United States of America and State of Texas v. San Antonio Water System, in the United States District Court for the Western District of Texas, San Antonio Division (the “Consent Decree”). A copy of the Consent Decree is available at

https://apps.saws.org/infrastructure/epa/docs/20131015_SAWS_EPA_FinalDecree.pdf

Work performed pursuant to this contract is work that SAWS is required to perform pursuant to the terms of the Consent Decree. In the event of any conflict between the terms and provisions of this Consent Decree Notice Provision and any other terms and provisions of this Contract or the Contract Documents, the terms and provisions of this Consent Decree Notice Provision shall prevail.

A. Retention of documents.

Contractor shall retain and preserve all non-identical copies of all documents, reports, research, analytical or other data, records or other information of any kind or character (including documents, records, or other information in electronic form including, but not limited to e-mails) in its or its sub-contractors’ or agents’ possession or control, or that come into its or its sub-contractors’ or agents’ possession or control, and that relate in any manner to this contract, or the performance of any work described in this contract (the “Information”). This retention requirement shall apply regardless of any contrary corporate or institutional policy or procedure

or legal requirement. Contractor, Contractor's sub-contractors and agents shall retain and shall not destroy any of the Information until such time as Contractor has received written approval from the General Counsel of SAWS that the Information or any part of the Information may be destroyed. Contractor shall, within 30 days after receipt of a written request by SAWS, deliver the Information to SAWS. Contractor shall instruct and require its agents and sub-contractors performing any part of the work described in this contract to comply with the requirements of this paragraph.

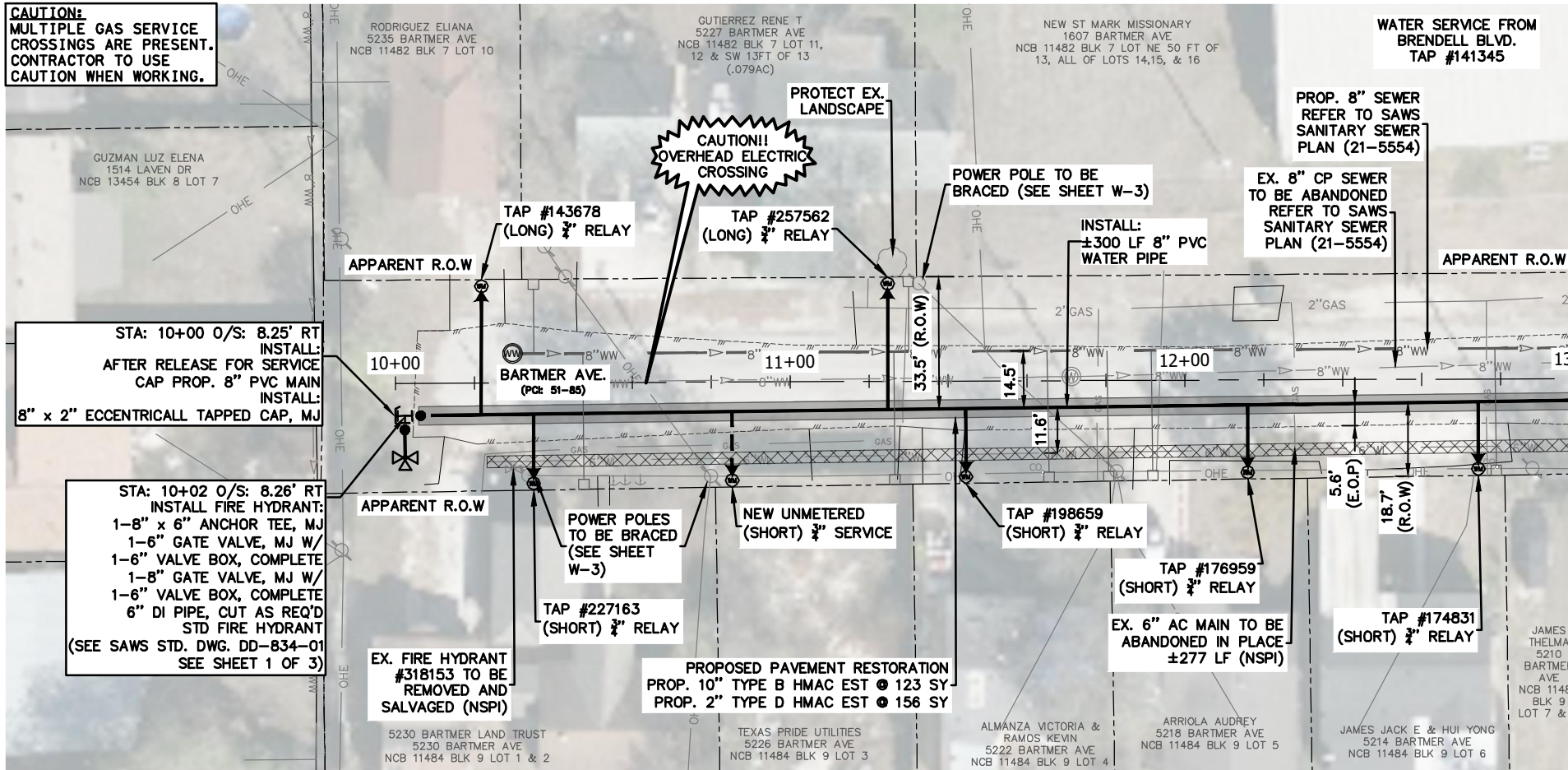
B. Notification of events that may cause delay.

If any event occurs that may delay performance by Contractor, or Contractor's agents or sub-contractors of any work or obligation of any kind under this contract, Contractor shall provide notice in accordance with the Notice Provisions of this contract to SAWS within two (2) business days of the date Contractor or Contractor's agents or sub-contractors first knew that the event might cause a delay. Contractor shall provide a written explanation and description of the reasons for the delay, the anticipated duration of the delay, all actions taken or to be taken to prevent or minimize the delay, and a schedule for implementation of any measures to be taken to prevent or mitigate the delay or the effect of the delay. **TIME IS OF THE ESSENCE** in the performance of the requirements of this paragraph and of any work to be performed by the Contractor in this contract.

C. Liability for stipulated penalties.

The Consent Decree provides that the United States of America, the United States Environmental Protection Agency and the State of Texas may assess stipulated penalties against SAWS upon the occurrence of certain events. To the extent that Contractor or Contractor's agents or sub-contractors cause or contribute to, in whole or in part, the assessment of any stipulated penalty against SAWS, Contractor agrees that it shall pay to SAWS the full amount of any stipulated penalty assessed against and paid by SAWS that is caused or contributed to in whole or in part by any action, failure to act, or failure to act within the time required by any provision of this contract. Contractor shall also pay to SAWS all costs, attorney fees, expert witness fees and all other fees and expenses incurred by SAWS in connection with the assessment or payment of any such stipulated penalties, or in contesting the assessment or payment of any such stipulated penalties. In addition to any and all other remedies to which SAWS may be entitled at law or in equity, Contractor expressly authorizes SAWS to withhold all amounts assessed and paid as stipulated penalties, and all associated costs, fees, or expenses from any amount unpaid to Contractor under the terms of this contract, or from any retainage provided in the contract.

CAUTION:
MULTIPLE GAS SERVICE
CROSSINGS ARE PRESENT.
CONTRACTOR TO USE
CAUTION WHEN WORKING.

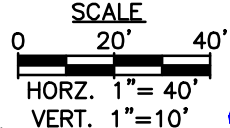
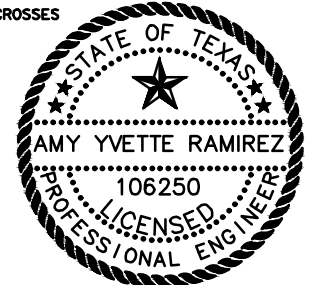


MATCHLINE STA 13+00

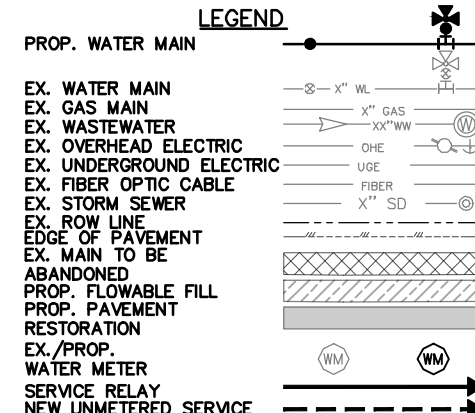
ITEM	DESCRIPTION	UNIT	QTY
103.1	REMOVE CONCRETE CURB (COSA SPEC)	LF	60
103.3	REMOVE CONCRETE SIDEWALKS & DRIVEWAYS (COSA SPEC)	SF	96
103.4	REMOVE MISCELLANEOUS CONCRETE (COSA SPEC)	SF	5
203.1	TACK COAT (COSA SPEC)	GAL	75
205.2	HOT MIX ASPHALTIC PAVEMENT - TYPE B (10" COMP. DEPTH) (COSA SPEC)	SY	321
205.4	HOT MIX ASPHALTIC PAVEMENT - TYPE D (2" PAVEMENT THICKNESS) (COSA SPEC)	SY	753
208.1	SALVAGING, HAULING, AND STOCKPILING RECLAIMABLE ASPHALTIC PAVEMENT (2") (COSA SPEC)	SY	352
299	FLOWABLE FILL	CY	61
500.1	CONCRETE CURB (COSA SPEC)	LF	60
502	CONCRETE SIDEWALK (COSA SPEC)	SY	11
506.1	CONCRETE RETAINING WALLS - COMBINATION TYPE (COSA SPEC)	CY	0.20
515	TOPSOIL (COSA SPEC)	CY	1
516.1	BERMUDA SODDING (COSA SPEC)	SY	12
524.1	CONCRETE STEPS (COSA SPEC)	CY	0.25
530.1	BARRICADES, SIGNS AND TRAFFIC HANDLING (COSA SPEC) (BARTMER AVE.)	EA	1
550	TRENCH EXCAVATION SAFETY PROTECTION	LF	796
818	6" PVC WATERLINE (RESTRAINED)	LF	10
818	8" PVC WATERLINE (RESTRAINED)	LF	786
824	RELAY 3/4" SHORT SERVICE	EA	5
824	RELAY 3/4" LONG SERVICE	EA	3
824	RELAY 1" SHORT SERVICE	EA	1
824	RELAY 1" LONG SERVICE	EA	2
824	NEW 3/4" SHORT UNMETERED SERVICE	EA	1
824	NEW 1" SHORT UNMETERED SERVICE	EA	1
824	NEW 1" LONG UNMETERED SERVICE	EA	1
824.5	CUSTOMER SHUT-OFF VALVE	EA	11
828	8" GATE VALVE (COMPLETE)	EA	5
833	NEW METER BOX	EA	14
834	FIRE HYDRANT	EA	2
836	PIPE FITTINGS, ALL SIZES & TYPES	TN	0.65
840	6" WATER TIE-INS	EA	2
841	HYDROSTATIC TESTING	EA	1
844	2" BLOW-OFF, TEMPORARY	EA	2
1020	WATER MAIN BREAK/LEAK REPAIRS (6"-16" DIAMETERS), ALL TYPES	EA	1
3000	REMOVAL, TRANSPORTATION AND DISPOSAL OF VARIOUS SIZES OF A.C. PIPE	LF	364
3100	4" TEMPORARY WATER MAIN (4" HDPE), INCLUDING ALL NECESSARY TRENCHING, TRENCH REPAIR, PIPING, FITTINGS, VALVES, SERVICE CONNECTIONS, TIE-INS, AND TESTING	LS	1

*QUANTITY PROVIDED FOR WATER SERVICE RELAYS

- NOTES:**
- THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITIES INDICATED ON THESE PLANS ARE APPROXIMATE AND ARE NOT GUARANTEED TO BE ACCURATE. THE CONTRACTOR SHALL CALL FOR LOCATES THROUGH THE "ONE CALL" (1-800-344-8377) 48 HOURS PRIOR TO CONSTRUCTION/ EXCAVATION WORK.
 - CONTRACTOR SHALL USE EXTREME CAUTION DURING CONSTRUCTION OPERATIONS TO AVOID UNNECESSARY DAMAGE TO EXISTING TREES.
 - CONTRACTOR IS RESPONSIBLE FOR MAINTAINING WATER SERVICE TO EXISTING WATER MAINS AND SERVICES. ANY TEMPORARY SERVICE SHALL BE COORDINATED WITH SAWS IN ADVANCE. REFER TO GENERAL NOTES 19 FOR SHUTDOWN OF MAINS.
 - CONTRACTOR SHALL PROTECT AND/OR REPAIR (IF DAMAGED) ANY EXISTING WATER SERVICE LATERALS AND IRRIGATION SHOWN OR NOT SHOWN ON THE PLANS (NSPI).
 - ALL PROPOSED WATER PIPE SHALL HAVE 5 FEET MIN. OF COVER FROM FINISHED GRADE UNLESS OTHERWISE NOTED ON PLANS.
 - MAINTAIN A 2-FOOT VERTICAL CLEARANCE WHERE THE PROPOSED WATER MAIN CROSSES UNDER EXISTING AND PROPOSED UTILITIES.
 - CONTRACTOR SHALL FIELD VERIFY DEPTH OF EXISTING GAS.
 - SEE SHEET W-23 FOR RESTRAINED LENGTH TABLE. REFER TO SAWS SPECIFICATION 839 REGARDING RESTRAINED LENGTH.
 - SAWS SHALL MACHINE CHLORINATE NEW WATER MAINS UNLESS OTHERWISE NOTED ON PLANS.
 - VALVE BOXES TO BE SET FLUSH WITH FINISHED GRADE.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING EXISTING DRIVEWAYS, INLETS, SIGNAGE, LANDSCAPE, FENCING AND STRUCTURE TO ITS ORIGINAL OR BETTER CONDITION AS A RESULT OF THIS PROJECT'S CONSTRUCTION.
 - REFERENCE SHEET W-5 FOR TEST HOLE INFORMATION AND PIPE ELEVATIONS OF EXISTING UTILITIES.

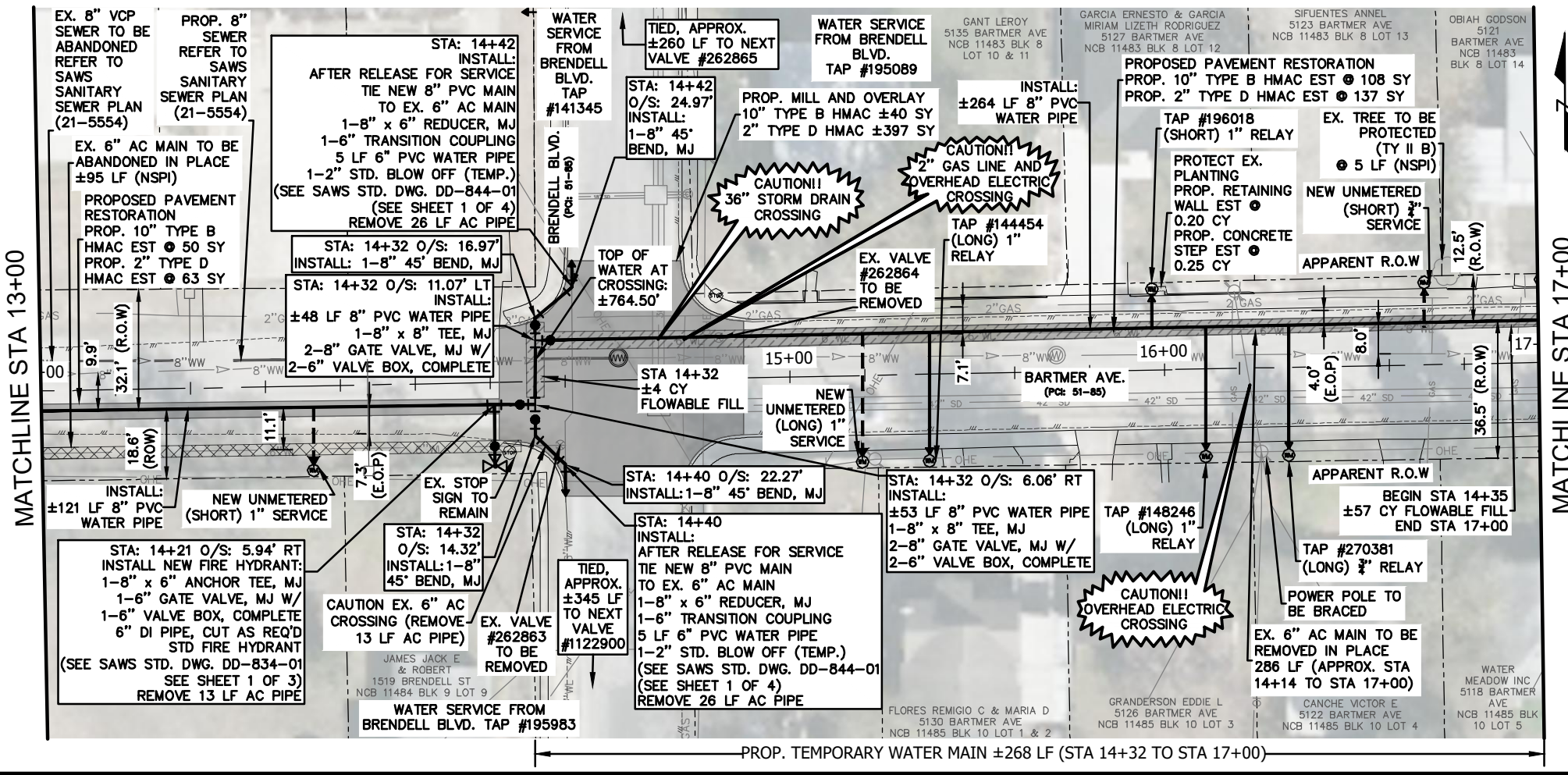


CONTRACTOR TO ENSURE TRENCH SAFETY AND REFERENCE SHEET W-2 NOTE 18 FOR TRENCH EXCAVATION SAFETY PROTECTION NOTE.



REV. NO.	DATE	DESCRIPTION	BY
9/1/22		RESTRAINED LENGTH NOTE UPDATED	AYR

	5710 W. HAUSMAN RD., SUITE 115 SAN ANTONIO, TEXAS 78249 FIRM NO. F-15085 210.860.9224		
	2023 SMP PACKAGE III (HERMINE BLVD, BARTMER AVE) BARTMER AVE. WATER MAIN REPLACEMENT BEGIN PROJECT TO STA 17+00		
DWG: CV	SUBMITTAL	SAWS PROJECT NO. 21-5056	SHEET NO. W-9

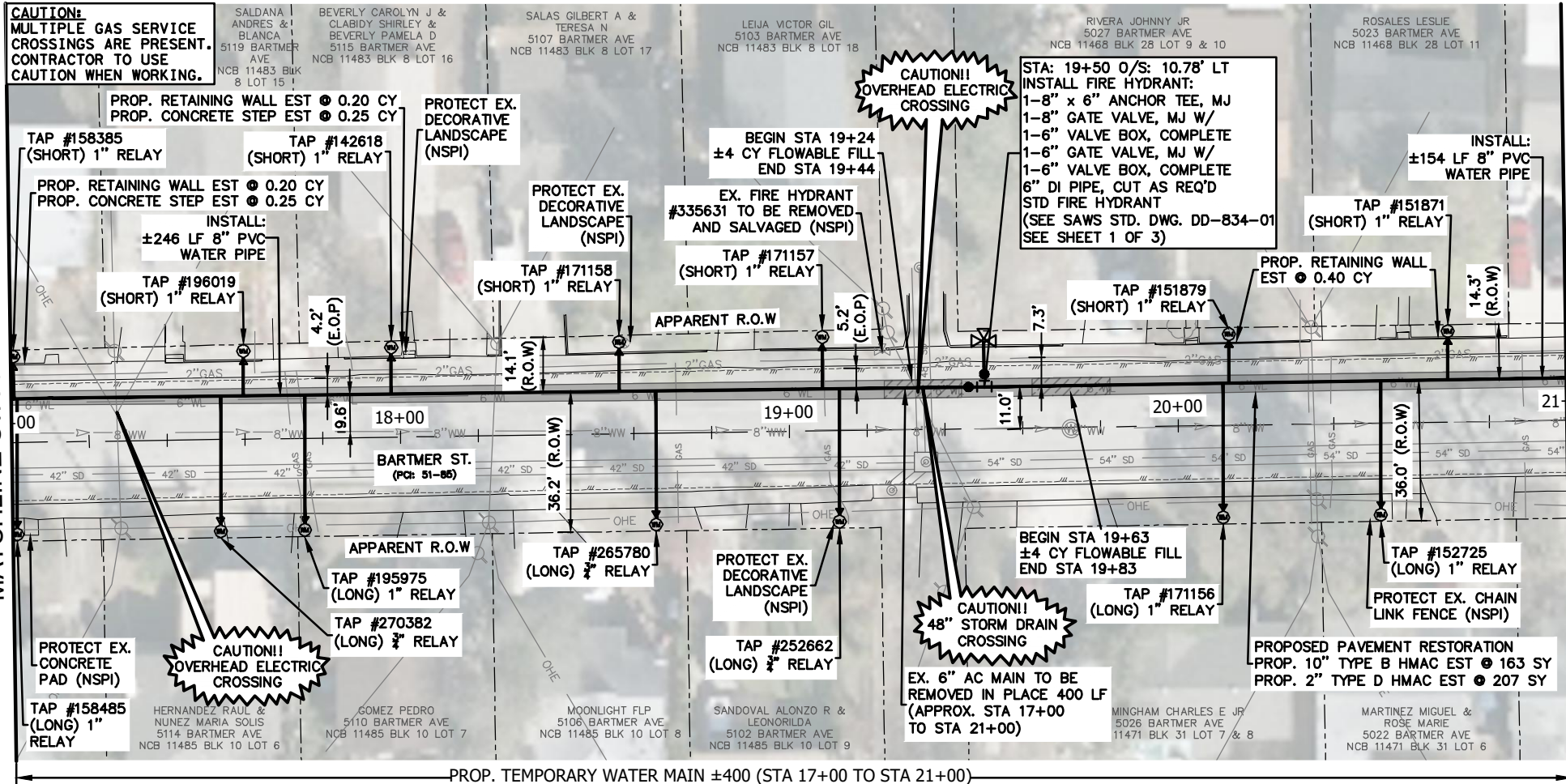


MATCHLINE STA 17+00

2023_SMP_PKG_III_WATER_PLANS_SHEETS(BARTMER) 9/1/2022 9:27 AM

CAUTION!
MULTIPLE GAS SERVICE
CROSSINGS ARE PRESENT.
CONTRACTOR TO USE
CAUTION WHEN WORKING.

MATCHLINE STA 17+00

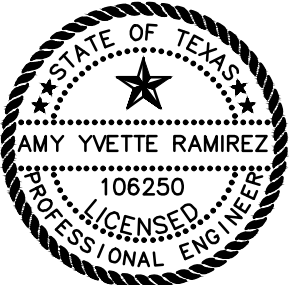


ITEM	DESCRIPTION	UNIT	QTY
103.1*	REMOVE CONCRETE CURB (COSA SPEC)	LF	260
103.3*	REMOVE CONCRETE SIDEWALKS & DRIVEWAYS (COSA SPEC)	SF	416
103.4	REMOVE MISCELLANEOUS CONCRETE (COSA SPEC)	SF	27
203.1	TACK COAT (COSA SPEC)	GAL	92
205.2	HOT MIX ASPHALTIC PAVEMENT - TYPE B (10" COMP. DEPTH) (COSA SPEC)	SY	361
205.4	HOT MIX ASPHALTIC PAVEMENT - TYPE D (2" PAVEMENT THICKNESS) (COSA SPEC)	SY	915
208.1	SALVAGING, HAULING, AND STOCKPILING RECLAIMABLE ASPHALTIC PAVEMENT (2") (COSA SPEC)	SY	458
299	FLOWABLE FILL	CF	16
500.1*	CONCRETE CURB (COSA SPEC)	LF	260
502*	CONCRETE SIDEWALK (COSA SPEC)	SY	46
503.3	CONCRETE DRIVEWAYS, EXPOSED AGGREGATE (COSA SPEC)	SY	3
506.1	CONCRETE RETAINING WALLS - COMBINATION TYPE (COSA SPEC)	CY	1.60
515*	TOPSOIL (COSA SPEC)	CY	2
516.1*	BERMUDA SODDING (COSA SPEC)	SY	21
524.1	CONCRETE STEPS (COSA SPEC)	CY	0.50
535	4-INCH WIDE YELLOW LINE (<100,000 LF)	LF	20
537.8	PAVEMENT MARKER (TYPE II-A-A)	EA	4
550	TRENCH EXCAVATION SAFETY PROTECTION	LF	882
818	8" PVC WATERLINE (RESTRAINED)	LF	882
824	RELAY 3/4" SHORT SERVICE	EA	1
824	RELAY 3/4" LONG SERVICE	EA	4
824	RELAY 1" SHORT SERVICE	EA	11
824	RELAY 1" LONG SERVICE	EA	8
824.5	CUSTOMER SHUT-OFF VALVE	EA	24
828	8" GATE VALVE (COMPLETE)	EA	5
833	NEW METER BOX	EA	24
834	FIRE HYDRANT	EA	2
836	PIPE FITTINGS, ALL SIZES & TYPES	TN	0.60
840	8" WATER TIE-INS	EA	2
841	HYDROSTATIC TESTING	EA	1
844	2" BLOW-OFF, TEMPORARY	EA	2
3000	REMOVAL, TRANSPORTATION AND DISPOSAL OF VARIOUS SIZES OF A.C. PIPE	LF	780

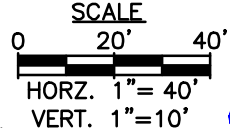
*QUANTITY PROVIDED FOR WATER SERVICE RELAYS

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CONTRACTOR TO ENSURE TRENCH SAFETY AND REFERENCE SHEET W-2 NOTE 18 FOR TRENCH EXCAVATION SAFETY PROTECTION NOTE.

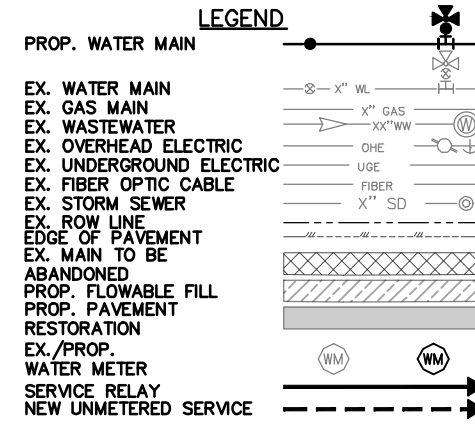
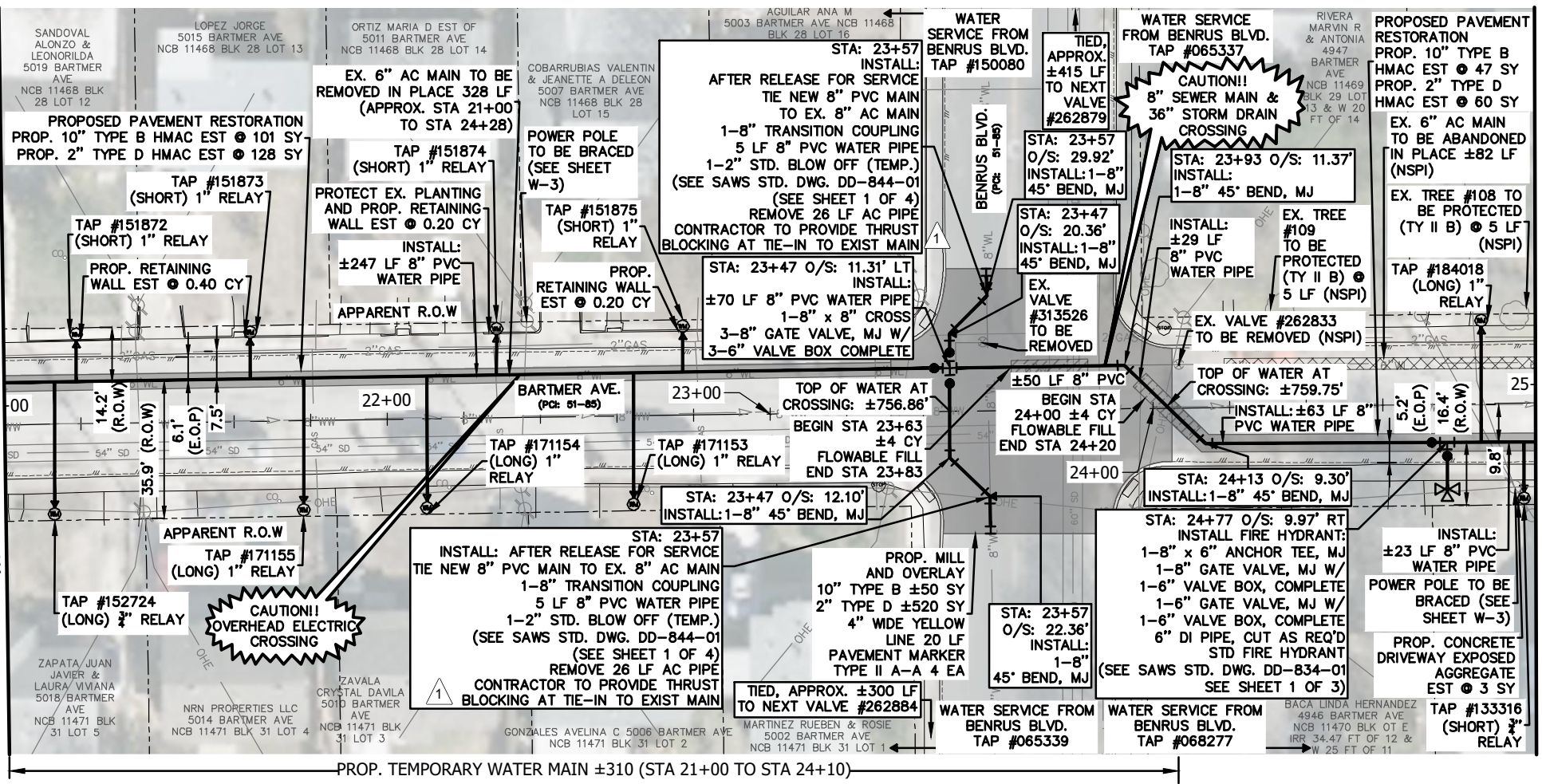


08/18/2022



Amy Y. Ramirez, P.E.

MATCHLINE STA 21+00



WGL
WgInc.com
5710 W. HAUSMAN RD., SUITE 115
SAN ANTONIO, TEXAS 78249
FIRM NO. F-15085
210.860.9224

2023 SMP PACKAGE III
(HERMINE BLVD, BARTMER AVE)
BARTMER AVE. WATER MAIN REPLACEMENT
STA 17+00 TO STA 25+00

DWG: CV	SUBMITTAL	SAWS PROJECT NO. 21-5056	SHEET NO. W-10
CHK DWG: AYR	100% SUBMITTAL		

2023_SMP_PKG_III_WATER_PLAN_SHEETS(BARTMER) 9/17/2022 9:42 AM

CAUTION:
MULTIPLE GAS SERVICE
CROSSINGS ARE PRESENT.
CONTRACTOR TO USE
CAUTION WHEN WORKING.

ALARCON ERANDICA &
ERICK L ORANTES
4939 BARTMER AVE
NCB 11469 BLK 29 LOT
15 & E 30 FT OF 14

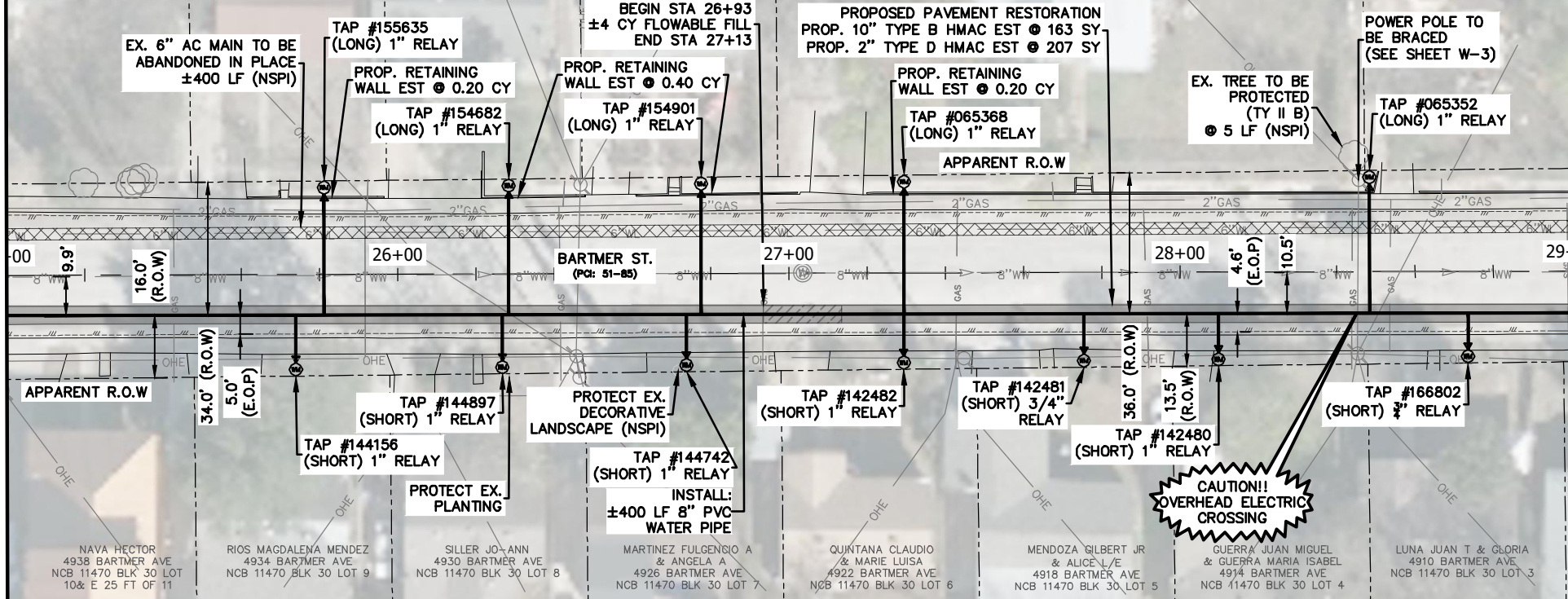
CANTU JUANITA &
CANTU MARIA LUISA
4935 BARTMER AVE
NCB 11469 BLK 29 LOT 16

POBLANO ISIDRO JR
& NARCISA D
4931 BARTMER AVE
NCB 11469 BLK 29 LOT 17

CASTILLO EDWARD & MARY
4927 BARTMER AVE
NCB 11469 BLK 29 LOT 18

HERNANDEZ ALEXANDER
4919 BARTMER AVE
NCB 11469 BLK 29 LOT 19 20 & 21

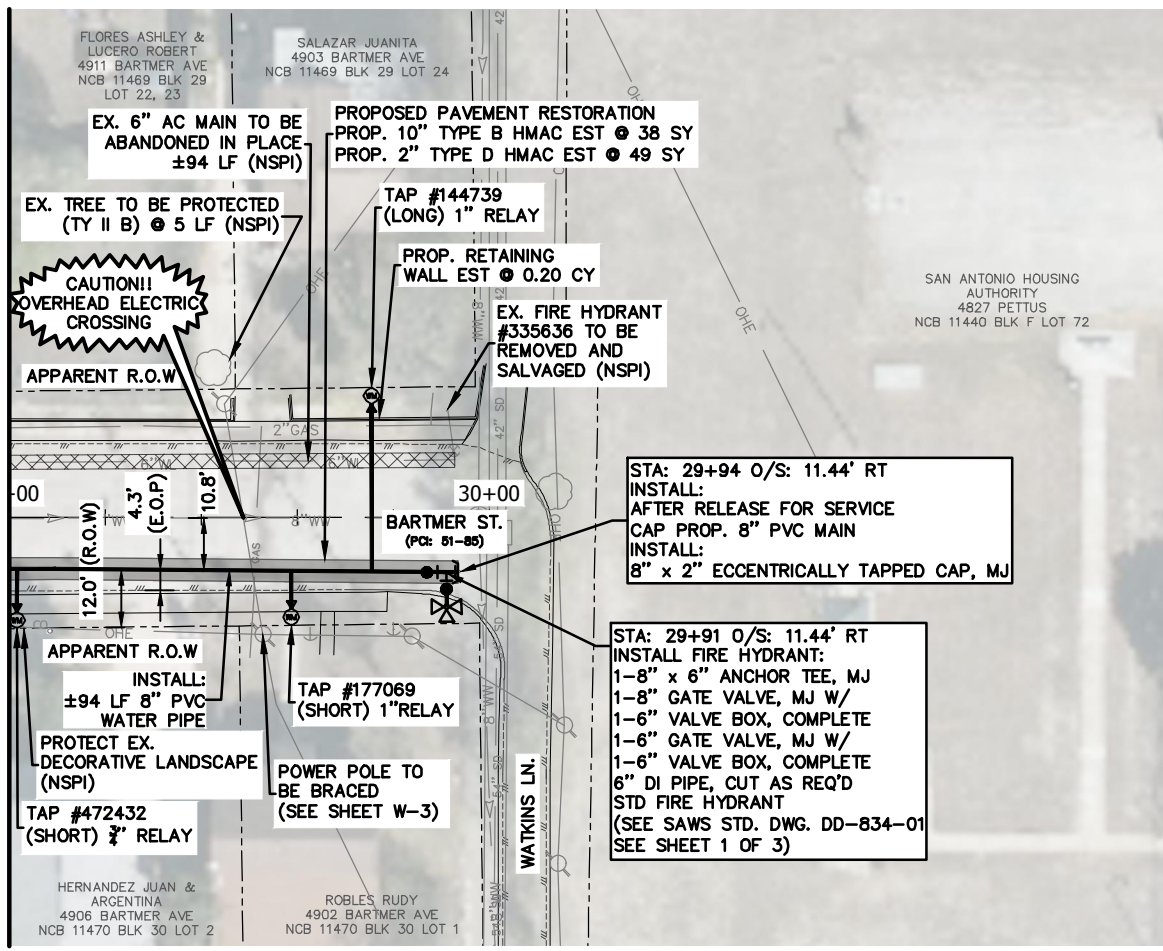
FLORES ASHLEY &
LUCERO ROBERT
4911 BARTMER AVE
NCB 11469 BLK 29
LOT 22, 23



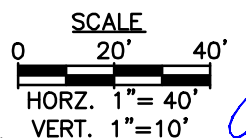
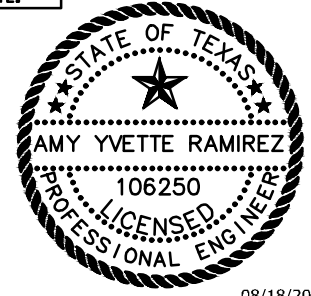
ITEM	DESCRIPTION	UNIT	QTY
103.1*	REMOVE CONCRETE CURB (COSA SPEC)	LF	160
103.3*	REMOVE CONCRETE SIDEWALKS & DRIVEWAYS (COSA SPEC)	SF	256
103.4	REMOVE MISCELLANEOUS CONCRETE (COSA SPEC)	SF	13
203.1	TACK COAT (COSA SPEC)	GAL	26
205.2	HOT MIX ASPHALTIC PAVEMENT - TYPE B (10" COMP. DEPTH) (COSA SPEC)	SY	201
205.4	HOT MIX ASPHALTIC PAVEMENT - TYPE D (2" PAVEMENT THICKNESS) (COSA SPEC)	SY	256
299	FLOWABLE FILL	CY	4
500.1*	CONCRETE CURB (COSA SPEC)	LF	160
502*	CONCRETE SIDEWALK (COSA SPEC)	SY	28
506.1	CONCRETE RETAINING WALLS - COMBINATION TYPE (COSA SPEC)	CY	1
515*	TOPSOIL (COSA SPEC)	CY	2
516.1*	BERMUDA SODDING (COSA SPEC)	SY	15
550	TRENCH EXCAVATION SAFETY PROTECTION	LF	494
818	8" PVC WATERLINE (RESTRAINED)	LF	494
824	RELAY 3/4" SHORT SERVICE	EA	3
824	RELAY 1" SHORT SERVICE	EA	6
824	RELAY 1" LONG SERVICE	EA	6
824.5	CUSTOMER SHUT-OFF VALVE	EA	15
828	8" GATE VALVE (COMPLETE)	EA	1
833	NEW METER BOX	EA	15
834	FIRE HYDRANT	EA	1
836	PIPE FITTINGS, ALL SIZES & TYPES	TN	0.20

*QUANTITY PROVIDED FOR WATER SERVICE RELAYS

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CONTRACTOR TO ENSURE TRENCH SAFETY AND REFERENCE SHEET W-2 NOTE 18 FOR TRENCH EXCAVATION SAFETY PROTECTION NOTE.



08/18/2022
Amy Y. Ramirez, P.E.

LEGEND

- PROP. WATER MAIN
- EX. WATER MAIN
- EX. GAS MAIN
- EX. WASTEWATER
- EX. OVERHEAD ELECTRIC
- EX. UNDERGROUND ELECTRIC
- EX. FIBER OPTIC CABLE
- EX. STORM SEWER
- EX. ROW LINE
- EX. EDGE OF PAVEMENT
- EX. MAIN TO BE ABANDONED
- PROP. FLOWABLE FILL
- PROP. PAVEMENT RESTORATION
- EX./PROP. WATER METER
- SERVICE RELAY
- NEW UNMETERED SERVICE

REV. NO.	DATE	DESCRIPTION	BY
9/1/22		RESTRAINED LENGTH NOTE UPDATED	AYR

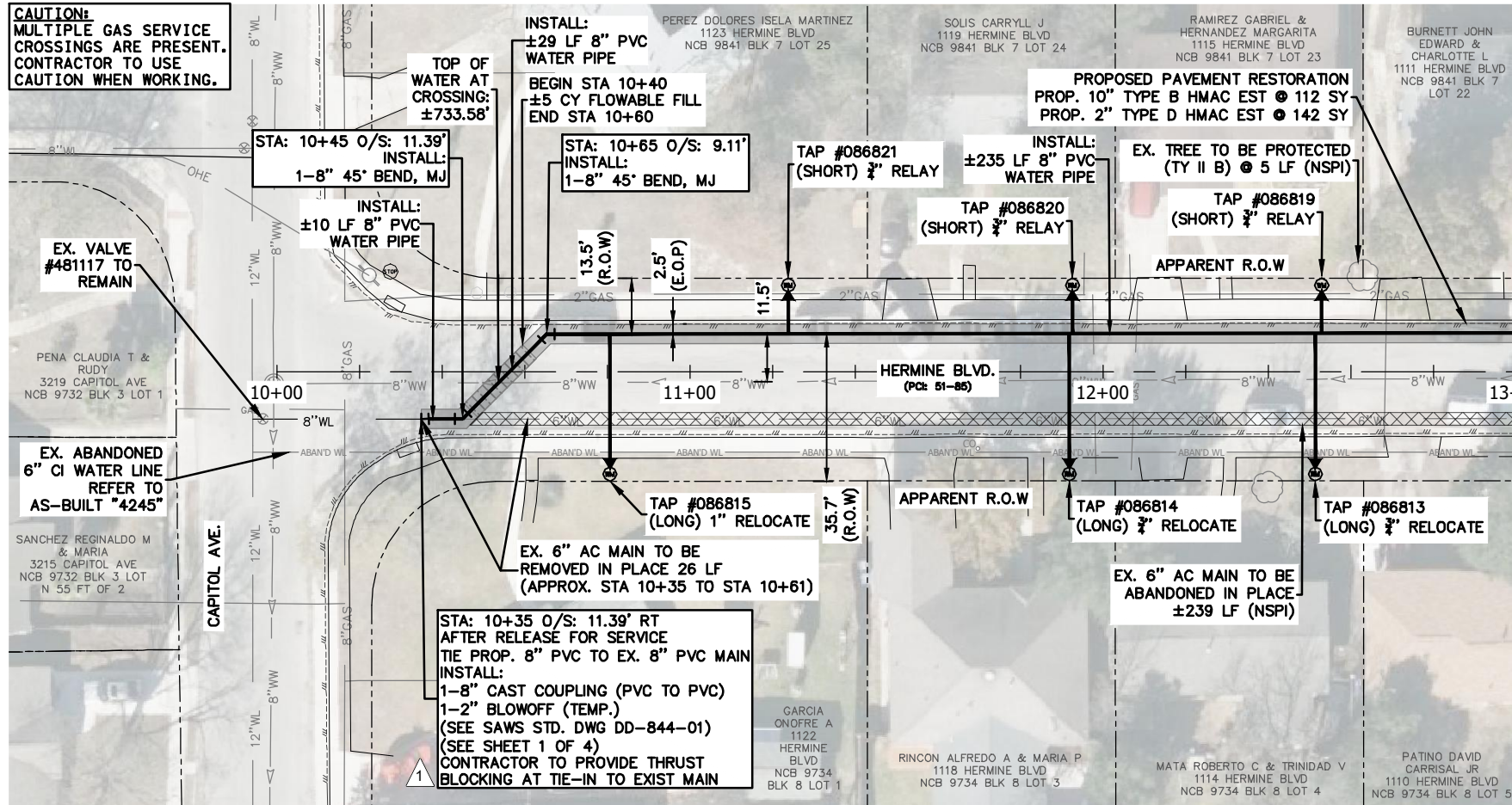
WGL
WgInc.com
5710 W. HAUSMAN RD., SUITE 115
SAN ANTONIO, TEXAS 78249
FIRM NO. F-15085
210.860.9224

2023 SMP PACKAGE III
(HERMINE BLVD, BARTMER AVE)
BARTMER AVE. WATER MAIN REPLACEMENT
STA 25+00 TO END PROJECT

DWG: CV	SUBMITTAL	SAWS PROJECT NO. 21-5056	SHEET NO. W-11
CHK DWG: AYR	100% SUBMITTAL		

2023_SMP_PKG_III_WATER_PLAN_SHEETS(BARTMER) 9/1/2022 9:26 AM

CAUTION:
MULTIPLE GAS SERVICE CROSSINGS ARE PRESENT. CONTRACTOR TO USE CAUTION WHEN WORKING.



MATCHLINE STA 13+00

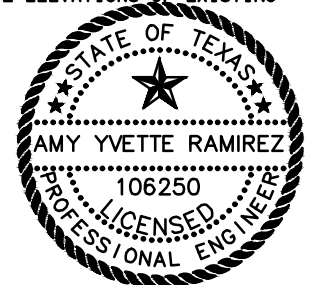
ITEM	DESCRIPTION	UNIT	QTY
103.1*	REMOVE CONCRETE CURB (COSA SPEC)	LF	210
103.3*	REMOVE CONCRETE SIDEWALKS & DRIVEWAYS (COSA SPEC)	SF	336
103.4	REMOVE MISCELLANEOUS CONCRETE (COSA SPEC)	SF	32
203.1	TACK COAT (COSA SPEC)	GAL	35
205.2	HOT MIX ASPHALTIC PAVEMENT - TYPE B (10" COMP. DEPTH) (COSA SPEC)	SY	278
205.4	HOT MIX ASPHALTIC PAVEMENT - TYPE D (2" PAVEMENT THICKNESS) (COSA SPEC)	SY	353
299	FLOWABLE FILL	CY	5
500.1*	CONCRETE CURB (COSA SPEC)	LF	210
502*	CONCRETE SIDEWALK (COSA SPEC)	SY	37
506.1	CONCRETE RETAINING WALLS - COMBINATION TYPE (COSA SPEC)	CY	0.60
515*	TOPSOIL (COSA SPEC)	CY	2
516.1*	BERMUDA SODDING (COSA SPEC)	SY	18
530.1*	BARRICADES, SIGNS AND TRAFFIC HANDLING (COSA SPEC) (HERMINE BLVD.)	EA	1
550	TRENCH EXCAVATION SAFETY PROTECTION	LF	681
818	8" PVC WATERLINE (RESTRAINED)	LF	681
824	RELAY 3/4" SHORT SERVICE	EA	7
824	RELAY 3/4" LONG SERVICE	EA	3
824	RELOCATE 3/4" SHORT SERVICE	EA	2
824	RELOCATE 3/4" LONG SERVICE	EA	7
824	RELOCATE 1" LONG SERVICE	EA	1
824.5	CUSTOMER SHUT-OFF VALVE	EA	20
828	8" GATE VALVE (COMPLETE)	EA	1
833	NEW METER BOX	EA	10
833	EXISTING METER & NEW METER BOX RELOCATION	EA	10
834	FIRE HYDRANT	EA	1
836	PIPE FITTINGS, ALL SIZES & TYPES	TN	0.30
840	8" WATER TIE-INS	EA	1
841	HYDROSTATIC TESTING	EA	1
844	2" BLOW-OFF, TEMPORARY	EA	1
1020	WATER MAIN BREAK/LEAK REPAIRS (6"-16" DIAMETERS), ALL TYPES	EA	1
3000	REMOVAL, TRANSPORTATION AND DISPOSAL OF VARIOUS SIZES OF A.C. PIPE	LF	26

*QUANTITY PROVIDED FOR WATER SERVICE RELAYS

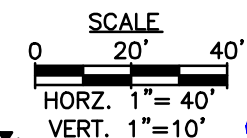
NOTES:

- THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITIES INDICATED ON THESE PLANS ARE APPROXIMATE AND ARE NOT GUARANTEED TO BE ACCURATE. THE CONTRACTOR SHALL CALL FOR LOCATES THROUGH THE "ONE CALL" (1-800-344-8377) 48 HOURS PRIOR TO CONSTRUCTION/ EXCAVATION WORK.
- CONTRACTOR SHALL USE EXTREME CAUTION DURING CONSTRUCTION OPERATIONS TO AVOID UNNECESSARY DAMAGE TO EXISTING TREES.
- CONTRACTOR IS RESPONSIBLE FOR MAINTAINING WATER SERVICE TO EXISTING WATER MAINS AND SERVICES. ANY TEMPORARY SERVICE SHALL BE COORDINATED WITH SAWS IN ADVANCE. REFER TO GENERAL NOTES 19 FOR SHUTDOWN OF MAINS.
- CONTRACTOR SHALL PROTECT AND/OR REPAIR (IF DAMAGED) ANY EXISTING WATER SERVICE LATERALS AND IRRIGATION SHOWN OR NOT SHOWN ON THE PLANS (NSPI).
- ALL PROPOSED WATER PIPE SHALL HAVE 5 FEET MIN. OF COVER FROM FINISHED GRADE UNLESS OTHERWISE NOTED ON PLANS.
- MAINTAIN A 2-FOOT VERTICAL CLEARANCE WHERE THE PROPOSED WATER MAIN CROSSES UNDER EXISTING AND PROPOSED UTILITIES.
- CONTRACTOR SHALL FIELD VERIFY DEPTH OF EXISTING GAS.
- SEE SHEET W-23 FOR RESTRAINED LENGTH TABLE. REFER TO SAWS SPECIFICATION 839 REGARDING RESTRAINED LENGTH.
- SAWS SHALL MACHINE CHLORINATE NEW WATER MAINS UNLESS OTHERWISE NOTED ON PLANS.
- VALVE BOXES TO BE SET FLUSH WITH FINISHED GRADE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING EXISTING, DRIVEWAYS, INLETS, SIGNAGE, LANDSCAPE, FENCING AND STRUCTURE TO ITS ORIGINAL OR BETTER CONDITION AS A RESULT OF THIS PROJECT'S CONSTRUCTION.
- REFERENCE SHEET W-6 FOR TEST HOLE INFORMATION AND PIPE ELEVATIONS OF EXISTING UTILITIES.

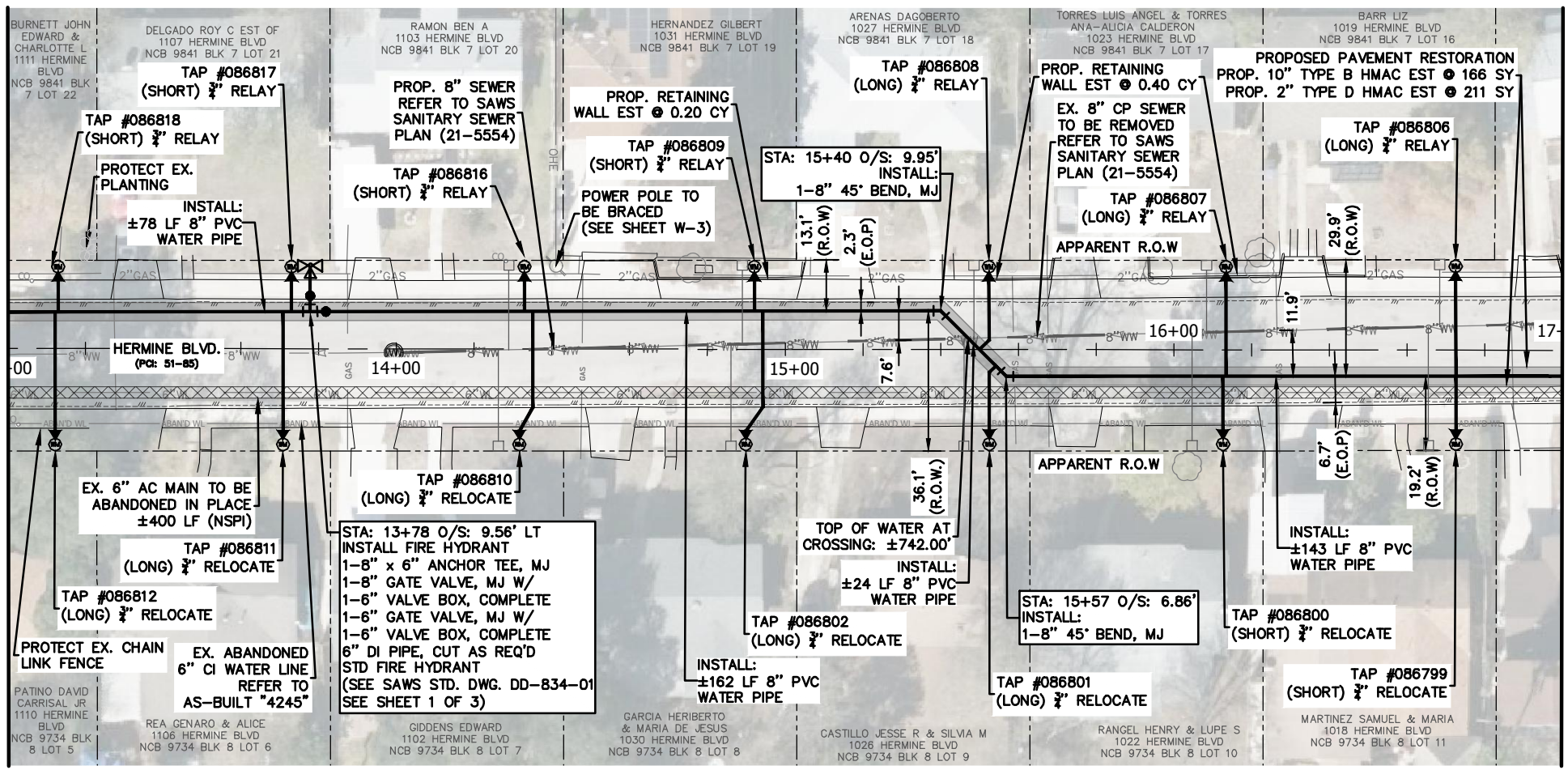
CONTRACTOR TO ENSURE TRENCH SAFETY AND REFERENCE SHEET W-2 NOTE 18 FOR TRENCH EXCAVATION SAFETY PROTECTION NOTE.



08/18/2022



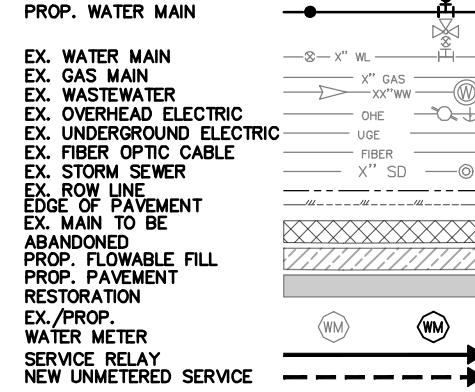
Amy Y. Ramirez, P.E.



MATCHLINE STA 13+00

MATCHLINE STA 17+00

LEGEND

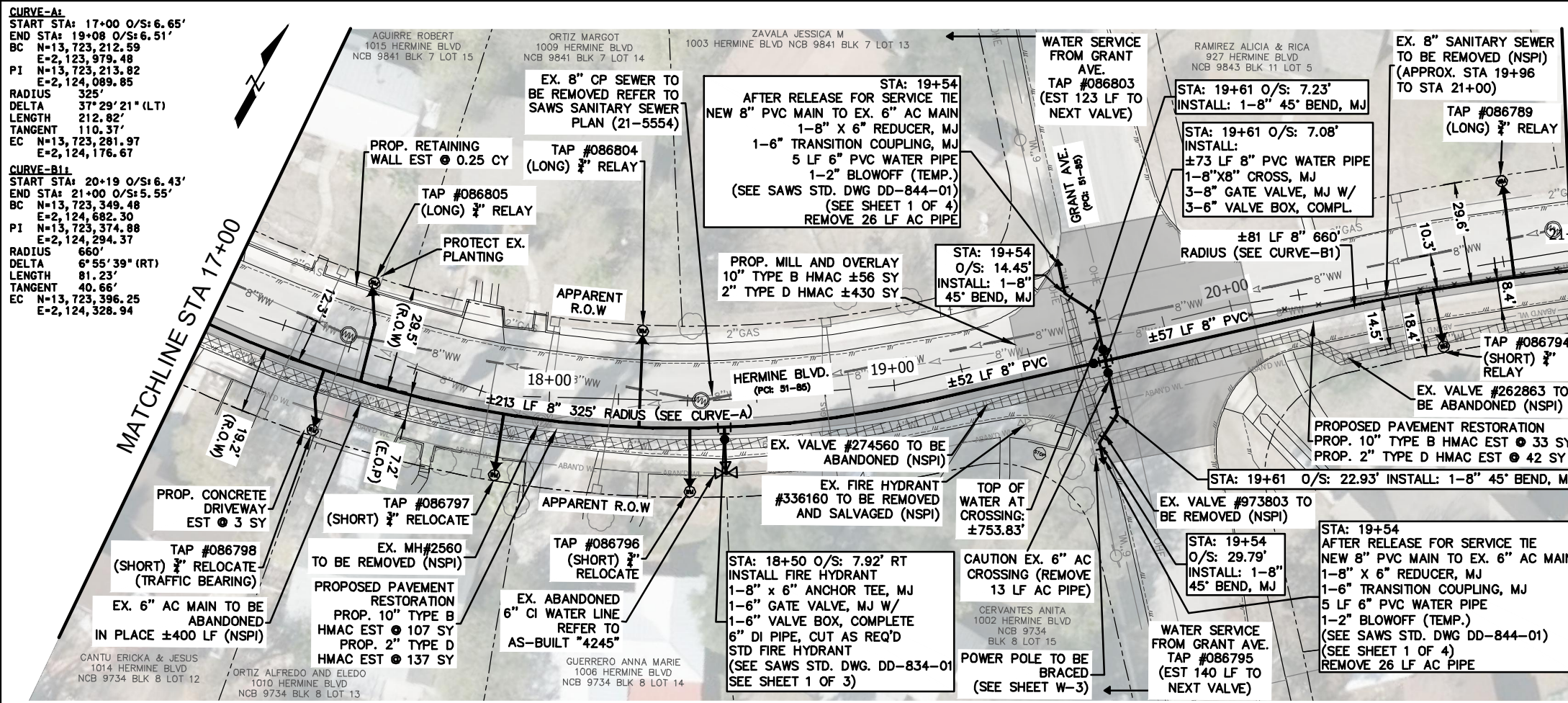


REV. NO.	DATE	DESCRIPTION	BY
9/1/22		RESTRAINED LENGTH NOTE AND THRUST BLOCKING CALLOUT UPDATED	AYR
5710 W. HAUSMAN RD., SUITE 115, SAN ANTONIO, TEXAS 78249, FIRM NO. F-15085, 210.860.9224			
2023 SMP PACKAGE III (HERMINE BLVD, BARTMER AVE) HERMINE BLVD. WATER MAIN REPLACEMENT BEGIN PROJECT TO STA 17+00			
DWG: CV	SUBMITTAL	SAWS PROJECT NO. 21-5056	SHEET NO. W-17
CHK DWG: AYR	100% SUBMITTAL		

2023_SMP_PKG_III_WATER_PLAN_SHEETS(HERMINE) 9/17/2022 9:26 AM

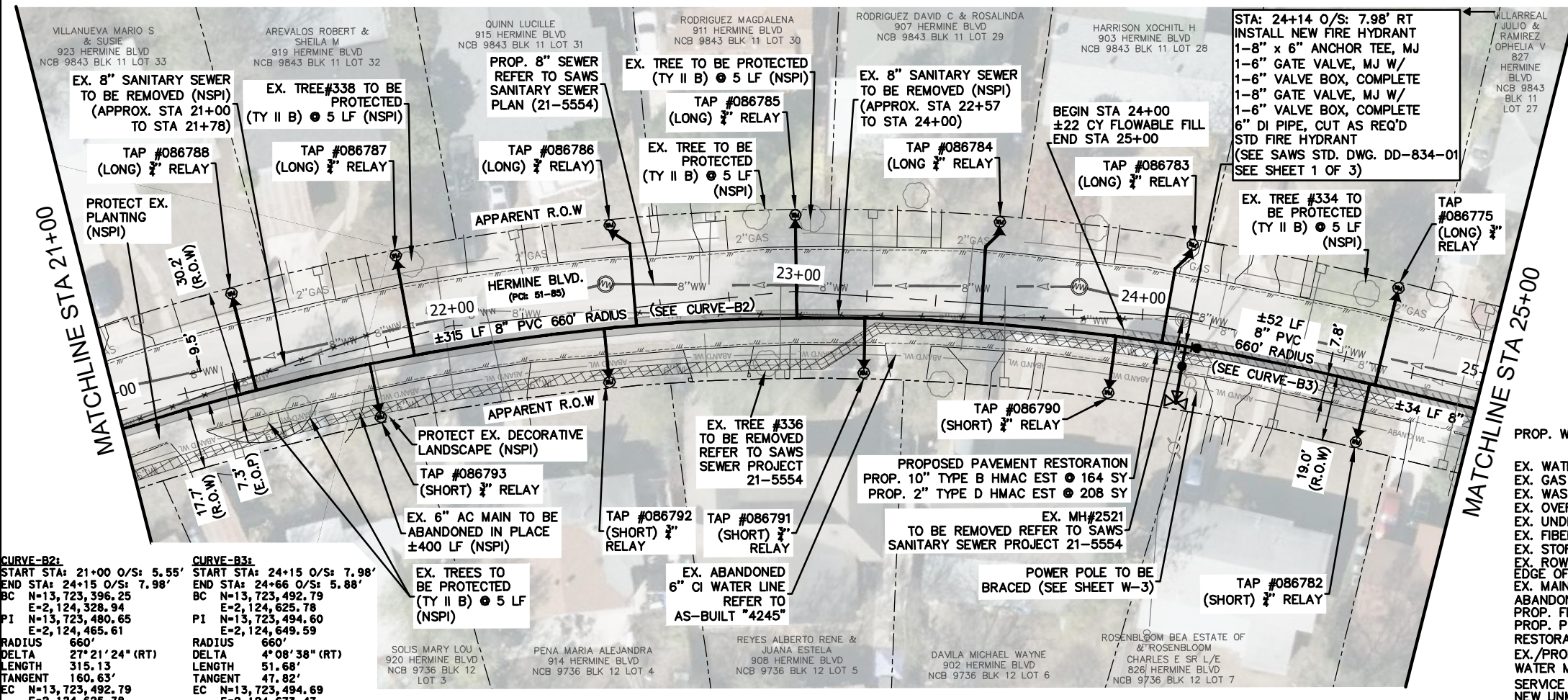
CURVE-A1
 START STA: 17+00 O/S: 6.65'
 END STA: 19+08 O/S: 6.51'
 BC N=13, 723, 212.59
 E=2, 123, 979.48
 PI N=13, 723, 213.82
 E=2, 124, 089.85
 RADIUS 325'
 DELTA 37° 29' 21" (LT)
 LENGTH 212.82'
 TANGENT 110.37'
 EC N=13, 723, 281.97
 E=2, 124, 176.67

CURVE-B11
 START STA: 20+19 O/S: 6.43'
 END STA: 21+00 O/S: 5.55'
 BC N=13, 723, 349.48
 E=2, 124, 682.30
 PI N=13, 723, 374.88
 E=2, 124, 294.37
 RADIUS 660'
 DELTA 6° 55' 39" (RT)
 LENGTH 81.23'
 TANGENT 40.66'
 EC N=13, 723, 396.25
 E=2, 124, 328.94



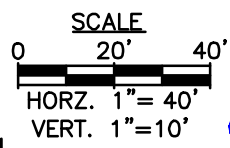
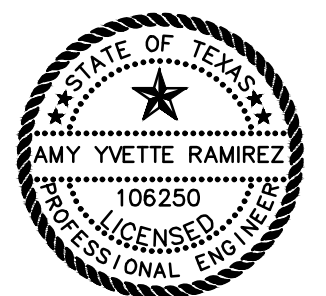
ITEM	DESCRIPTION	UNIT	QTY
103.1	REMOVE CONCRETE CURB (COSA SPEC)	LF	220
103.3	REMOVE CONCRETE SIDEWALKS & DRIVEWAYS (COSA SPEC)	SF	336
103.4	REMOVE MISCELLANEOUS CONCRETE (COSA SPEC)	SF	14
203.1	TACK COAT (COSA SPEC)	GAL	82
205.2	HOT MIX ASPHALTIC PAVEMENT - TYPE B (10\"/>		

- NOTES:**
- THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITIES INDICATED ON THESE PLANS ARE APPROXIMATE AND ARE NOT GUARANTEED TO BE ACCURATE. THE CONTRACTOR SHALL CALL FOR LOCATOR THROUGH THE "ONE CALL" (1-800-344-8377) 48 HOURS PRIOR TO CONSTRUCTION/ EXCAVATION WORK.
 - CONTRACTOR SHALL USE EXTREME CAUTION DURING CONSTRUCTION OPERATIONS TO AVOID UNNECESSARY DAMAGE TO EXISTING TREES.
 - CONTRACTOR IS RESPONSIBLE FOR MAINTAINING WATER SERVICE TO EXISTING WATER MAINS AND SERVICES. ANY TEMPORARY SERVICE SHALL BE COORDINATED WITH SAWS IN ADVANCE. REFER TO GENERAL NOTES 19 FOR SHUTDOWN OF MAINS.
 - CONTRACTOR SHALL PROTECT AND/OR REPAIR (IF DAMAGED) ANY EXISTING WATER SERVICE LATERALS AND IRRIGATION SHOWN OR NOT SHOWN ON THE PLANS (NSPI).
 - ALL PROPOSED WATER PIPE SHALL HAVE 5 FEET MIN. OF COVER FROM FINISHED GRADE UNLESS OTHERWISE NOTED ON PLANS.
 - MAINTAIN A 2-FOOT VERTICAL CLEARANCE WHERE THE PROPOSED WATER MAIN CROSSES UNDER EXISTING AND PROPOSED UTILITIES.
 - CONTRACTOR SHALL FIELD VERIFY DEPTH OF EXISTING GAS.
 - SEE SHEET W-23 FOR RESTRAINED LENGTH TABLE. REFER TO SAWS SPECIFICATION 839 REGARDING RESTRAINED LENGTH.
 - SAWS SHALL MACHINE CHLORINATE NEW WATER MAINS UNLESS OTHERWISE NOTED ON PLANS.
 - VALVE BOXES TO BE SET FLUSH WITH FINISHED GRADE.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING EXISTING, DRIVEWAYS, INLETS, SIGNAGE, LANDSCAPE, FENCING AND STRUCTURE TO ITS ORIGINAL OR BETTER CONDITION AS A RESULT OF THIS PROJECT'S CONSTRUCTION.
 - REFERENCE SHEET W-6 FOR TEST HOLE INFORMATION AND PIPE ELEVATIONS OF EXISTING UTILITIES.



CONTRACTOR TO ENSURE TRENCH SAFETY AND REFERENCE SHEET W-2 NOTE 18 FOR TRENCH EXCAVATION SAFETY PROTECTION NOTE.

CAUTION: MULTIPLE GAS SERVICE CROSSINGS ARE PRESENT. CONTRACTOR TO USE CAUTION WHEN WORKING.



08/18/2022
 Amy Yvette Ramirez, P.E.

CURVE-B21
 START STA: 21+00 O/S: 5.55'
 END STA: 24+15 O/S: 7.98'
 BC N=13, 723, 396.25
 E=2, 124, 328.94
 PI N=13, 723, 480.65
 E=2, 124, 465.61
 RADIUS 660'
 DELTA 27° 21' 24" (RT)
 LENGTH 315.13
 TANGENT 160.63'
 EC N=13, 723, 492.79
 E=2, 124, 625.78

CURVE-B31
 START STA: 24+15 O/S: 7.98'
 END STA: 24+66 O/S: 5.88'
 BC N=13, 723, 492.79
 E=2, 124, 625.78
 PI N=13, 723, 494.60
 E=2, 124, 649.59
 RADIUS 660'
 DELTA 4° 08' 38" (RT)
 LENGTH 51.68'
 TANGENT 47.82'
 EC N=13, 723, 494.69
 E=2, 124, 673.47

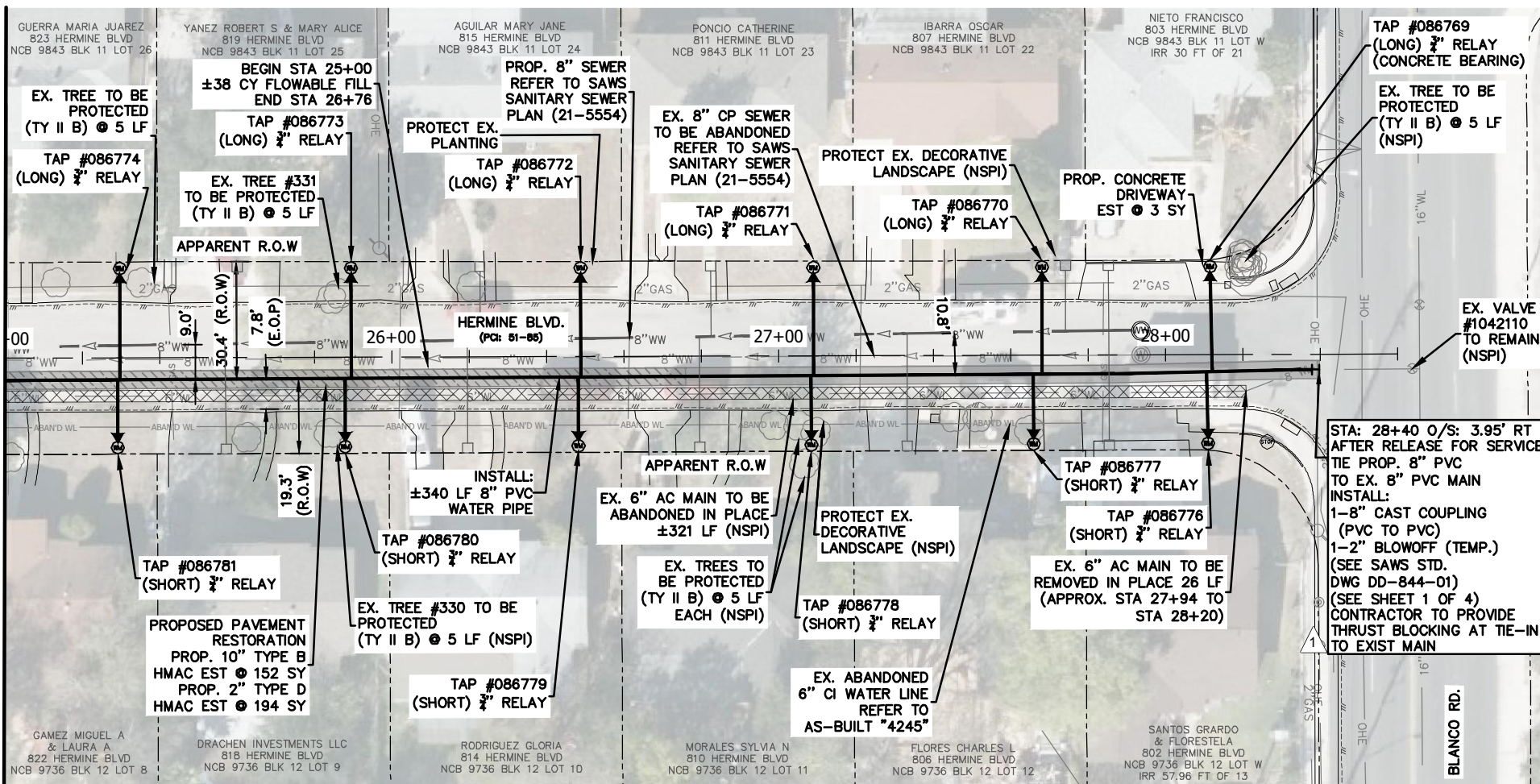
LEGEND

—●—	PROP. WATER MAIN
—○—	EX. WATER MAIN
—○—	EX. GAS MAIN
—○—	EX. WASTEWATER
—○—	EX. OVERHEAD ELECTRIC
—○—	EX. UNDERGROUND ELECTRIC
—○—	EX. FIBER OPTIC CABLE
—○—	EX. STORM SEWER
—○—	EX. ROW LINE
—○—	EDGE OF PAVEMENT
—○—	EX. MAIN TO BE ABANDONED
—○—	PROP. FLOWABLE FILL
—○—	PROP. PAVEMENT RESTORATION
—○—	EX./PROP. WATER METER
—○—	SERVICE RELAY
—○—	NEW UNMETERED SERVICE

9/1/22	RESTRAINED LENGTH NOTE UPDATED	AYR
REV. NO.	DATE	DESCRIPTION
WGL WgInc.com		
5710 W. HAUSMAN RD., SUITE 115 SAN ANTONIO, TEXAS 78249 FIRM NO. F-15085 210.860.9224		
2023 SMP PACKAGE III (HERMINE BLVD, BARTMER AVE) HERMINE BLVD. WATER MAIN REPLACEMENT STA 17+00 TO STA 25+00		
DWG: CV	SUBMITTAL	SAWS PROJECT NO. SHEET NO.
CHK DWG: AYR	100% SUBMITTAL	21-5056 W-18

2023_SMP_PKG_III_WATER_PLAN_SHEETS(HERMINE) 9/17/2022 9:28 AM

MATCHLINE STA 25+00



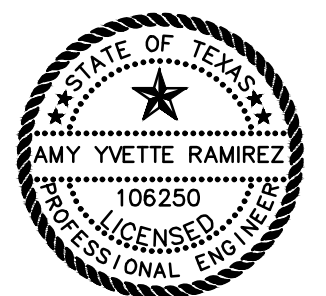
CAUTION:
MULTIPLE GAS SERVICE CROSSINGS ARE PRESENT. CONTRACTOR TO USE CAUTION WHEN WORKING.

CONTRACTOR TO ENSURE TRENCH SAFETY AND REFERENCE SHEET W-2 NOTE 10 FOR TRENCH EXCAVATION SAFETY PROTECTION NOTE.

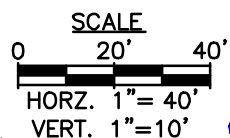
ITEM	DESCRIPTION	UNIT	QTY
103.1	* REMOVE CONCRETE CURB (COSA SPEC)	LF	120
103.3	* REMOVE CONCRETE SIDEWALKS & DRIVEWAYS (COSA SPEC)	SF	192
203.1	TACK COAT (COSA SPEC)	GAL	19
205.2	HOT MIX ASPHALTIC PAVEMENT - TYPE B (10" COMP. DEPTH) (COSA SPEC)	SY	152
205.4	HOT MIX ASPHALTIC PAVEMENT - TYPE D (2" PAVEMENT THICKNESS) (COSA SPEC)	SY	194
299	FLOWABLE FILL	CY	38
500.1	CONCRETE CURB (COSA SPEC)	LF	120
502	* CONCRETE SIDEWALK (COSA SPEC)	SY	21
503.1	* PORTLAND CEMENT CONCRETE DRIVEWAY (COSA SPEC)	SY	3
515	* TOPSOIL (COSA SPEC)	CY	1
516.1	* BERMUDA SODDING (COSA SPEC)	SY	10
550	TRENCH EXCAVATION SAFETY PROTECTION	LF	340
818	8" PVC WATERLINE (RESTRAINED)	LF	340
824	RELAY 3/4" SHORT SERVICE	EA	6
824	RELAY 3/4" LONG SERVICE	EA	6
824.5	CUSTOMER SHUT-OFF VALVE	EA	12
833	NEW METER BOX	EA	12
836	PIPE FITTINGS, ALL SIZES & TYPES	TN	0.10
840	8" WATER TIE-INS	EA	1
844	2" BLOW-OFF, TEMPORARY	EA	1
3000	REMOVAL, TRANSPORTATION AND DISPOSAL OF VARIOUS SIZES OF A.C. PIPE	LF	26

*QUANTITY PROVIDED FOR WATER SERVICE RELAYS

- NOTES:**
- THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITIES INDICATED ON THESE PLANS ARE APPROXIMATE AND ARE NOT GUARANTEED TO BE ACCURATE. THE CONTRACTOR SHALL CALL FOR LOCATES THROUGH THE "ONE CALL" (1-800-344-8377) 48 HOURS PRIOR TO CONSTRUCTION/ EXCAVATION WORK.
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 - ALL PROPOSED WATER PIPE SHALL HAVE 5 FEET MIN. OF COVER FROM FINISHED GRADE UNLESS OTHERWISE NOTED ON PLANS.
 - MAINTAIN A 2-FOOT VERTICAL CLEARANCE WHERE THE PROPOSED WATER MAIN CROSSES UNDER EXISTING AND PROPOSED UTILITIES.
 - SEE SHEET W-23 FOR RESTRAINED LENGTH TABLE. REFER TO SAWS SPECIFICATION 839 REGARDING RESTRAINED LENGTH.
 - SAWS SHALL MACHINE CHLORINATE NEW WATER MAINS UNLESS OTHERWISE NOTED ON PLANS.
 - VALVE BOXES TO BE SET FLUSH WITH FINISHED GRADE.
 - CONTRACTOR SHALL PROTECT OR RESTORE LANDSCAPING TO EXISTING OR BETTER CONDITIONS (NSPI).
 - REFERENCE SHEET W-6 FOR TEST HOLE INFORMATION AND PIPE ELEVATIONS.



08/18/2022



Amy Y. Ramirez, P.E.

LEGEND

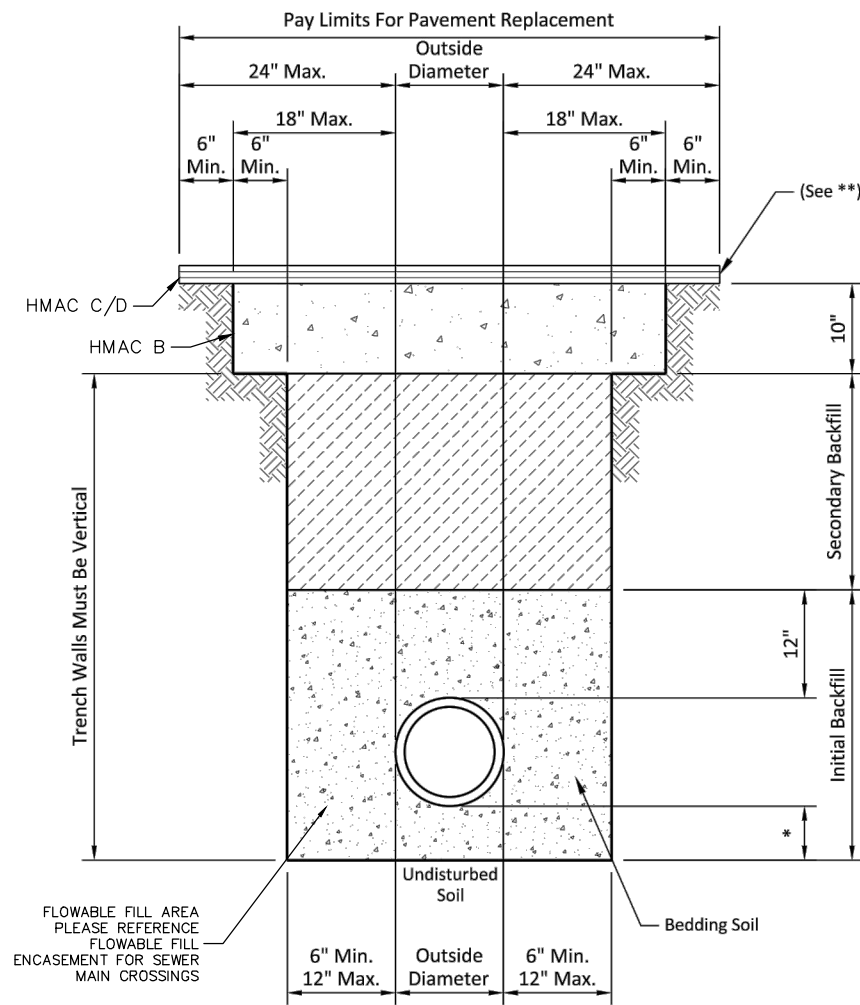
PROP. WATER MAIN	
EX. WATER MAIN	
EX. GAS MAIN	
EX. WASTEWATER	
EX. OVERHEAD ELECTRIC	
EX. UNDERGROUND ELECTRIC	
EX. FIBER OPTIC CABLE	
EX. STORM SEWER	
EX. ROW LINE	
EX. MAIN TO BE ABANDONED	
PROP. FLOWABLE FILL	
PROP. PAVEMENT RESTORATION	
EX./PROP. WATER METER	
SERVICE RELAY	
NEW UNMETERED SERVICE	

9/1/22	RESTRAINED LENGTH NOTE AND THRUST BLOCKING CALLOUT UPDATED	AYR	
REV. NO.	DATE	DESCRIPTION	BY
5710 W. HAUSMAN RD., SUITE 115 SAN ANTONIO, TEXAS 78249 FIRM NO: F-15085 210.860.9224			
2023 SMP PACKAGE III (HERMINE BLVD, BARTMER AVE) HERMINE BLVD. WATER MAIN REPLACEMENT STA 25+00 TO END PROJECT			
DWG: CV	SUBMITTAL	SAWS PROJECT NO. 21-5056	SHEET NO. W-19
CHK DWG: AYR	100% SUBMITTAL		

2023_SMP_PKG_III_WATER_PLAN_SHEETS(HERMINE) 9/17/2022 9:28 AM

UTILITY TRENCH RESTORATION DETAIL

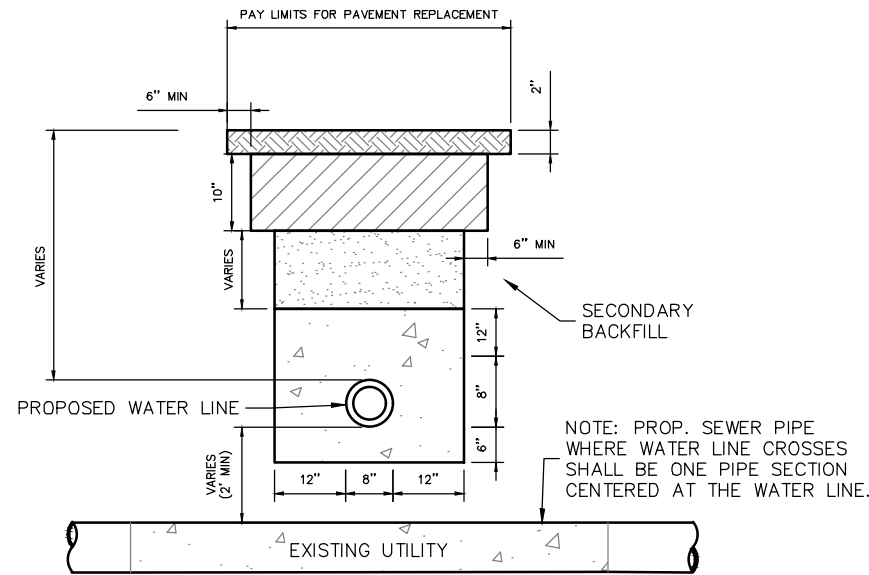
N.T.S.



The Existing Material at the Bearing Level shall be Removed and Replaced to a Minimum Depth of 6-inches or $\frac{1}{8}$ of the Outside Diameter of the Pipe, whichever is greater, with Bedding Material.

In Areas of over Excavation, Encasement shall extend from Trench Wall. Pay Limits shall not Exceed 12" Max. as shown on Detail. Additional Encasement shall be incidental.

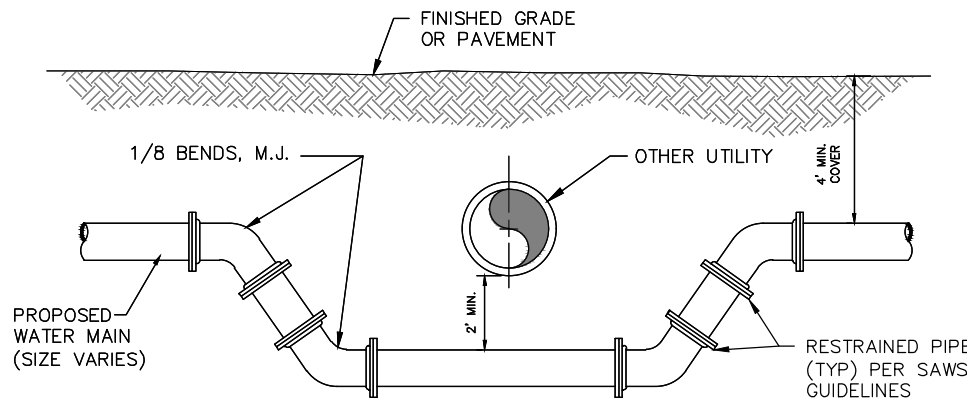
* Sewer Gravel 6" Min. or $\frac{1}{8}$ O.D. of the Pipe, whichever is greater.
 ** Minimum 2" HMAC Type "D" for Trench Repair in Local/Residential Streets.
 ** Minimum 3" HMAC Type "C" for Trench Repair in Collector/Arterial Streets.



- NOTES:
- SEPARATION DISTANCE AND PROTECTION REQUIREMENTS OF 30 TAC §§ 217.53(d) AND 290.44(e) ARE TO BE IMPLEMENTED.
 - CONTRACTOR TO USE EXTREME CAUTION WHEN EXCAVATING BELOW EXISTING SEWER MAINS. CONTRACTOR TO BRACE AND SECURE EXISTING SEWER MAIN (NSPI).

FLOWABLE FILL ENCASEMENT CROSSING EXISTING UTILITY DETAIL

N.T.S.



UTILITY CROSSING DETAIL

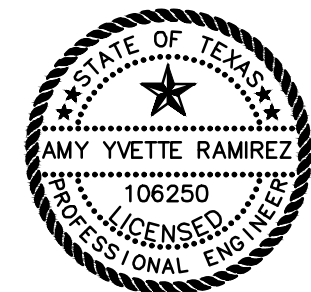
N.T.S.

FITTING	MAIN SIZE	STA	O/S	RESTRAINED LENGTH	SAWS STD. DWG.
DEAD END FIRE HYDRANT	6"	10+02	8.26' RT	59'	DD-839-05
INLINE VALVE	8"	10+02	8.26' RT	77'	DD-839-05
DEAD END FIRE HYDRANT	6"	14+21	5.94' RT	59'	DD-839-05
TEE	8" x 8"	14+32	6.06' RT	77'	DD-839-04
(2) INLINE VALVE	8"	14+32	6.06' RT	77'	DD-839-05
45° BEND	8"	14+32	14.32' RT	12'	DD-839-08
45° BEND	8"	14+40	22.27' RT	12'	DD-839-08
REDUCER	8" x 6"	14+40	N/A	32'	DD-839-07
TEE	8" x 8"	14+32	11.07' LT	77'	DD-839-04
(2) INLINE VALVE	8"	14+32	11.07' LT	77'	DD-839-05
45° BEND	8"	14+32	16.97' LT	12'	DD-839-08
45° BEND	8"	14+42	24.97' LT	12'	DD-839-08
REDUCER	8" x 6"	14+42	N/A	32'	DD-839-07
DEAD END FIRE HYDRANT	6"	19+50	10.78' LT	59'	DD-839-05
INLINE VALVE	8"	19+50	10.78' LT	77'	DD-839-05
CROSS	8" x 8"	23+47	11.31' LT	77'	DD-839-04
(3) INLINE VALVE	8"	23+47	11.31' LT	77'	DD-839-05
45° BEND	8"	23+47	12.10' RT	12'	DD-839-08
45° BEND	8"	23+57	22.36' RT	12'	DD-839-08
45° BEND	8"	23+47	20.36' RT	12'	DD-839-08
45° BEND	8"	23+57	29.92' RT	12'	DD-839-08
45° BEND	8"	23+93	11.37' LT	12'	DD-839-08
45° BEND	8"	24+13	9.30' RT	12'	DD-839-08
DEAD END FIRE HYDRANT	6"	24+77	9.97' RT	59'	DD-839-05
INLINE VALVE	8"	24+77	9.97' RT	77'	DD-839-05
DEAD END FIRE HYDRANT	6"	29+94	11.44' RT	59'	DD-839-05
INLINE VALVE	8"	29+94	11.44' RT	77'	DD-839-05

NOTES:
 1. REFER TO SAWS SPECIFICATION 839 REGARDING RESTRAINED LENGTH.
RESTRAINED LENGTH TABLE - BARTMER AVE.


FITTING	MAIN SIZE	STA	O/S	RESTRAINED LENGTH	SAWS STD. DWG.
45° BEND	8"	10+45	11.39' RT	12'	DD-839-08
45° BEND	8"	10+65	9.11' LT	12'	DD-839-08
DEAD END FIRE HYDRANT	6"	13+78	9.56' LT	59'	DD-839-05
INLINE VALVE	8"	13+78	9.56' LT	77'	DD-839-05
45° BEND	8"	15+40	9.95' LT	12'	DD-839-08
45° BEND	8"	15+57	6.86' RT	12'	DD-839-08
DEAD END FIRE HYDRANT	6"	18+50	7.92' RT	59'	DD-839-05
CROSS	8" x 8"	19+61	7.08' RT	77'	DD-839-04
(3) INLINE VALVE	8"	19+61	7.08' RT	77'	DD-839-05
45° BEND	8"	19+61	22.93' RT	12'	DD-839-08
45° BEND	8"	19+54	29.79' RT	12'	DD-839-08
REDUCER	8" x 6"	19+54	N/A	32'	DD-839-07
45° BEND	8"	19+61	7.23' LT	12'	DD-839-08
45° BEND	8"	19+54	14.45' LT	12'	DD-839-08
REDUCER	8" x 6"	19+54	N/A	32'	DD-839-07
DEAD END FIRE HYDRANT	6"	24+14	7.98' RT	59'	DD-839-05
INLINE VALVE	8"	24+14	7.98' RT	77'	DD-839-05

NOTES:
 1. REFER TO SAWS SPECIFICATION 839 REGARDING RESTRAINED LENGTH.
RESTRAINED LENGTH TABLE - HERMINE BLVD.



Amy Y. Ramirez, P.E.
 08/18/2022

REV. NO.	DATE	DESCRIPTION	BY


WGL
 5710 W. HAUSMAN RD., SUITE 115
 SAN ANTONIO, TEXAS 78249
 FIRM NO: F-15085
 210.860.9224

2023 SMP PACKAGE III
 (HERMINE BLVD, BARTMER AVE)
 MISCELLANEOUS DETAILS - TRENCH

DWG: CV	SUBMITTAL	SAWS PROJECT NO. 21-5056	SHEET NO. W-23
CHK DWG: AYR	100% SUBMITTAL		

2023_SMP_PKG_III_COVER-SHEET_NOTES_Q1YS_9/17/2022_9:25 AM