



**2019 CMOM Package 3 (Urgent) Project  
Solicitation Number: CO-00377-FG  
Job No.: 19-4542**

**ADDENDUM #1  
October 30, 2020**

To Bidder of Record:

This addendum, applicable to work referenced above, is an amendment to the bid proposal, plans and specification and 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.

<b>RESPONSES TO QUESTIONS</b>
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- 1. Question: Due to the many different locations and the delays associated with By-passing set ups, traffic plans and waiting on Proctors for Density Testing, will SAWS increase the number of days to 330?**

*Response: No.*

- 2. Question: Will the bid items for Concrete Curb, Sidewalk & Driveways be paid when applicable for the sewer service crossing?**

*Response: Pertaining to sanitary sewer service laterals, there will be no separate payment for surface restoration. The cost for this work must be included in the appropriate bid item. Refer to SAWS Standard Specifications for Water and Sanitary Sewer Construction, Item 854 Sanitary Sewer Laterals and Item 804 Excavation, Trenching and Backfill Section 804.5.6.*

- 3. Question: Is this package being bid incorporating the new SAWS specifications?**

*Response: The 2017 SAWS Standard Specifications apply for this project. Please reference 2017 Construction Specifications at the following link:  
[https://apps.saws.org/business\\_center/specs/constspecs/constspecs/index.cfm](https://apps.saws.org/business_center/specs/constspecs/constspecs/index.cfm)  
Refer to Table of Contents and Technical Specifications attached to this Addendum.*

- 4. Question: What is the anticipated award date? What is the anticipated Notice to Proceed date?**

*Response: It is anticipated that the SAWS Board of Trustees will consider the award of contract for this project at their regularly scheduled meeting on December 8, 2020. If a contract is awarded, notice to proceed (NTP) would follow the execution of the contract and conducting a preconstruction meeting with the successful Contractor. SAWS may issue the NTP later, but Bidders shall assume an NTP date of December 17, 2020.*

- 5. Question: Will Liquidated Damages be charged only if the entire project extends past the total number of days allowed or on the individual locations?**



*Response: Liquidated Damages will be charged only if the entire project extends past the total number of days allowed.*

**6. Question: Will SAWS identify the location where a TxDOT permit is required and needs a 45-day advance notice?**

*Response: It is anticipated that a TxDOT permit will be required for construction within TxDOT Right-of-Way at project locations as follows: Line F on Plan Sheets F-1, 18 of 35, F-2, 19 of 35, F-BP1, 20 of 35; and Line M on Plan Sheet M-1, 29 of 35.*

**7. Question: Will SAWS identify which locations require the edges of the Right-of-Entry (both sides) in Special Conditions SC-25 Access to be staked?**

*Response: Requirement for the Contractor to stake the edges of the ROE's in Paragraph one (1) of the Special Conditions SC-2.5, Page SC-3, has been removed. Refer to Modifications to Specifications for this Addendum.*

**8. Question: The plans show to rehabilitate existing manholes. Will SAWS add the appropriate bid item for this?**

*Response: The appropriate bid item was already included on the Bid Proposal, which is Line No. 94, Item No. 910.1 Manhole Rehabilitation. The Bid Proposal is being revised for the reason stated in the Modifications to Specifications in this Addendum, which still includes Line No. 94, Item No. 910.1 Manhole Rehabilitation. Refer to Bid Proposal attached to this Addendum.*

**9. Question: Will the owner/engineer please provide the traffic control needs per site, as is typically provided in previous SAWS bids?**

*Response: It is the Contractor's responsibility for the preparation, research, submittal and layout of the site specific submittals, including Traffic Control Plan. Refer to Special Conditions SC-2.3.*

**10. Question: Will the owner/engineer please provide the bypass plans per site for the remaining sites that were not provided? Bypass plans were only given for 4 sites out of 15.**

*Response: A bypass plan was provided for only 1 project location, Line F, in order to facilitate SAWS acquisition of a TxDOT permit. It is the Contractor's responsibility for the preparation, research, submittal and layout of the site specific submittals, including Bypass Pumping Plan. Refer to Special Conditions SC-2.3.*

<b>MODIFICATIONS TO SPECIFICATIONS</b>
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**1. TABLE OF CONTENTS:** Remove and replace in its entirety with the revised version attached to this addendum.

**2. BID PROPOSAL:** Remove and replace the Bid Proposal with the revised Bid Proposal attached to this Addendum. The Bid Proposal has been revised to change the item description for Line No. 92, Item



No. 900 from “PIPE BURSTING 10” SANITARY SEWER PIPE, (20’-25’ DEPTH)” to “PIPE BURSTING 12” SANITARY SEWER PIPE, (20’-25’ DEPTH)”. Bidders shall use this revised version if submitting a bid for this project. Failure to use this version may result in the bid being rejected.

- 3. SPECIAL CONDITIONS:** Remove Paragraph one (1) of SC-2.5, Page SC-3 and replace with the following:

If access to a project location requires a Right-of-Entry (ROE), the Contractor will not commence construction activities at that location until the ROE has been acquired by SAWS. The Contractor shall plan accordingly and prioritize other project locations. Refer to ROE Agreement Exhibits in the Appendix.

- 4. TECHNICAL SPECIFICATIONS, Pages TS-1 to TS-3:** Remove and replace in its entirety with the revised version attached to this addendum.

### MODIFICATIONS TO PLANS

- 1. Plan Sheet G-3, 3 of 35:** Remove and replace Plan Sheet G-3, 3 of 35, with the revised Plan Sheet G-3, 3 of 35, attached to this Addendum. Plan Sheet G-3, 3 of 35, has been revised to change the item description for Item No. 900 from “PIPE BURSTING 10” SANITARY SEWER PIPE, (20’-25’ DEPTH)” to “PIPE BURSTING 12” SANITARY SEWER PIPE, (20’-25’ DEPTH)”.
- 2. Plan Sheet G-10, 10 of 35:** Remove and replace Plan Sheet G-10, 10 of 35, with the revised Plan Sheet G-10, 10 of 35, attached to this Addendum. Plan Sheet G-10, 10 of 35, has been revised to change the proposed pipe-burst line size from 10” to 12”.
- 3. Plan Sheet I-1, 23 of 35:** Remove and replace Plan Sheet I-1, 23 of 35, with the revised Plan Sheet I-1, 23 of 35, attached to this Addendum. Plan Sheet I-1, 23 of 35, has been revised to change the proposed pipe-burst line size from 10” to 12”.

### CLARIFICATIONS

- The estimated cost for this project was changed to \$2,197,892.65, which is now reflected on the SAWS website at the following link:  
[https://apps.saws.org/Business\\_Center/Contractsol/Drill.cfm?id=3889&View=Yes](https://apps.saws.org/Business_Center/Contractsol/Drill.cfm?id=3889&View=Yes)

### ATTACHMENTS

**Attachments:**

Table of Contents  
Bid Proposal  
Technical Specifications  
Plan Sheet G-3, 3 of 35  
Plan Sheet G-10, 3 of 35  
Plan Sheet I-1, 23 of 35

**END OF ADDENDUM #1**

This Addendum, including these four (4) pages, is nineteen (19) pages with attachments in its entirety.

CDS Muery F-1733



*Curt W. Raabe*  
10/30/2020

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Curt W. Raabe, P.E.  
CDS Muery

**Contract Documents**  
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CITY OF SAN ANTONIO (COSA) STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (Latest Edition)	
SAWS SPECIFICATIONS FOR WATER & SANITARY SEWER CONSTRUCTION (February 2017)	

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 Nos. \_\_\_\_\_

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 **250** 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

Line No.	Item No.	Description	Unit	Quantity	Unit Price	Subtotal
1	103.1	REMOVE CONCRETE CURB (COSA SPEC)	LF	100	\$	\$
2	103.3	REMOVE CONCRETE SIDEWALK AND DRIVEWAY (COSA SPEC)	SF	585	\$	\$
3	103.4	REMOVE MISCELLANEOUS CONCRETE (COSA SPEC)	SF	1,000	\$	\$
4	132	EMBANKMENT (TYPE B) (FINAL) (TXDOT SPEC)	CY	126	\$	\$
5	203.1	TACK COAT (COSA SPEC)	GAL	881	\$	\$
6	205.4	HMAC PVMT TY D (2" COMPACTED DEPTH) (COSA SPEC)	SY	6,308	\$	\$
7	205.4	HMAC PVMT TY D (3" COMPACTED DEPTH) (COSA SPEC)	SY	2,501	\$	\$
8	206.1	ATB (10" COMPACTED DEPTH) (COSA SPEC)	SY	2,646	\$	\$
9	206.1	ATB (12" COMPACTED DEPTH) (COSA SPEC)	SY	247	\$	\$
10	208.1	SALVAGING, HAULING, & STOCKPILING RECLAIMABLE ASPHALTIC PAVEMENT - 2" (COSA SPEC)	SY	5,182	\$	\$
11	208.1	SALVAGING, HAULING, & STOCKPILING RECLAIMABLE ASPHALTIC PAVEMENT - 3" (COSA SPEC)	SY	2,337	\$	\$
12	209.1	CONCRETE PAVEMENT (10" DEPTH) (COSA SPEC)	SY	111	\$	\$
13	340	HMAC PVMT TY D (4" COMPACTED DEPTH) (TXDOT SPEC)	SY	131	\$	\$
14	340	HMAC PVMT TY B (10" COMPACTED DEPTH) (TXDOT SPEC)	SY	131	\$	\$
15	401	FLOWABLE BACKFILL (TXDOT SPEC)	CY	42	\$	\$
16	413.1	FLOWABLE FILL (COSA SPEC)	CY	27	\$	\$
17	413.3	FLOWABLE FILL (HIGH STRENGTH EMERGENCY REPAIR) (COSA SPEC)	CY	102	\$	\$
18	500	CONCRETE CURB (COSA SPEC)	LF	100	\$	\$
19	502.1	CONCRETE SIDEWALKS-CONVENTIONALLY FORMED (COSA SPEC)	SY	60	\$	\$

Line No.	Item No.	Description	Unit	Quantity	Unit Price	Subtotal
20	503.1	PORTLAND CEMENT CONCRETE DRIVEWAY (COSA SPEC)	SY	5	\$	\$
21	508	RELOCATING WIRE FENCE (COSA SPEC)	LF	150	\$	\$
22	509.1	METAL BEAM GUARD RAIL (COSA SPEC)	LF	100	\$	\$
23	510	TIMBER GUARD POSTS (COSA SPEC)	EA	25	\$	\$
24	513.1	REMOVING AND REPLACING MAIL BOXES (COSA SPEC)	EA	1	\$	\$
25	515.1	TOPSOIL (COSA SPEC)	CY	40	\$	\$
26	516.1	BERMUDA SODDING (COSA SPEC)	SY	646	\$	\$
27	530.1	BARRICADES, SIGNS AND TRAFFIC HANDLING (COSA SPEC) (LINE A)	LS	1	\$	\$
28	530.1	BARRICADES, SIGNS AND TRAFFIC HANDLING (COSA SPEC) (LINE B)	LS	1	\$	\$
29	530.1	BARRICADES, SIGNS AND TRAFFIC HANDLING (COSA SPEC) (LINE C)	LS	1	\$	\$
30	530.1	BARRICADES, SIGNS AND TRAFFIC HANDLING (COSA SPEC) (LINE D)	LS	1	\$	\$
31	530.1	BARRICADES, SIGNS AND TRAFFIC HANDLING (COSA SPEC) (LINE E)	LS	1	\$	\$
32	530.1	BARRICADES, SIGNS AND TRAFFIC HANDLING (COSA SPEC) (LINE F)	LS	1	\$	\$
33	530.1	BARRICADES, SIGNS AND TRAFFIC HANDLING (COSA SPEC) (LINE G)	LS	1	\$	\$
34	530.1	BARRICADES, SIGNS AND TRAFFIC HANDLING (COSA SPEC) (LINE H)	LS	1	\$	\$
35	530.1	BARRICADES, SIGNS AND TRAFFIC HANDLING (COSA SPEC) (LINE I)	LS	1	\$	\$
36	530.1	BARRICADES, SIGNS AND TRAFFIC HANDLING (COSA SPEC) (LINE J)	LS	1	\$	\$
37	530.1	BARRICADES, SIGNS AND TRAFFIC HANDLING (COSA SPEC) (LINE K)	LS	1	\$	\$
38	530.1	BARRICADES, SIGNS AND TRAFFIC HANDLING (COSA SPEC) (LINE L)	LS	1	\$	\$



Line No.	Item No.	Description	Unit	Quantity	Unit Price	Subtotal
39	530.1	BARRICADES, SIGNS AND TRAFFIC HANDLING (COSA SPEC) (LINE M)	LS	1	\$	\$
40	530.1	BARRICADES, SIGNS AND TRAFFIC HANDLING (COSA SPEC) (LINE N)	LS	1	\$	\$
41	530.1	BARRICADES, SIGNS AND TRAFFIC HANDLING (COSA SPEC) (LINE O)	LS	1	\$	\$
42	535.1	4 INCH WIDE YELLOW LINE (COSA SPEC)	LF	760	\$	\$
43	535.2	4 INCH WIDE WHITE LINE (COSA SPEC)	LF	200	\$	\$
44	535.4	8 INCH WIDE WHITE LINE (COSA SPEC)	LF	80	\$	\$
45	535.7	24 INCH WIDE WHITE LINE (COSA SPEC)	LF	280	\$	\$
46	535.9	LEFT WHITE ARROW (COSA SPEC)	EA	2	\$	\$
47	550	TRENCH EXCAVATION SAFETY PROTECTION	LF	3,436	\$	\$
48	818	8" PVC WATER LINE	LF	172	\$	\$
49	824	RELAY 3/4" SHORT SERVICE	EA	4	\$	\$
50	824	RELAY 3/4" LONG SERVICE	EA	4	\$	\$
51	836	PIPE FITTINGS, ALL SIZES AND TYPES	TN	1	\$	\$
52	840	8" WATER TIE-INS	EA	2	\$	\$
53	841	HYDROSTATIC TESTING	EA	1	\$	\$
54	844	2" BLOWOFF, TEMPORARY	EA	2	\$	\$
55	848	8" PVC SANITARY SEWER LINE (0'-6')	LF	559	\$	\$
56	848	8" PVC SANITARY SEWER LINE (6'-10')	LF	770	\$	\$
57	848	10" PVC SANITARY SEWER LINE (10'-14')	LF	310	\$	\$

Line No.	Item No.	Description	Unit	Quantity	Unit Price	Subtotal
58	848	12" PVC SANITARY SEWER LINE (6'-10')	LF	516	\$	\$
59	848	12" PVC SANITARY SEWER LINE (10'-14')	LF	348	\$	\$
60	848	18" PVC SANITARY SEWER LINE (6'-10')	LF	62	\$	\$
61	848	18" PVC SANITARY SEWER LINE (10'-14')	LF	20	\$	\$
62	851	EXISTING MANHOLE ADJUSTMENTS (WITH NEW RING AND COVER)	EA	10	\$	\$
63	852.1	SANITARY SEWER SHALLOW MANHOLE (< 4')	EA	3	\$	\$
64	852.1	SANITARY SEWER MANHOLE (0-6')	EA	12	\$	\$
65	852.2	SANITARY SEWER DROP MANHOLE (0-6')	EA	5	\$	\$
66	852.3	EXTRA DEPTH MANHOLE (>6')	VF	55	\$	\$
67	854	SANITARY SEWER LATERAL	LF	1,031	\$	\$
68	854.1	TWO-WAY SANITARY SEWER CLEAN-OUT	EA	48	\$	\$
69	855	RECONSTRUCTION OF EXISTING MANHOLE	EA	2	\$	\$
70	858	CONCRETE ENCASEMENT, CRADLES, SADDLES AND COLLARS	CY	55	\$	\$
71	860	VERTICAL STACKS	VF	88	\$	\$
72	865	BYPASS PUMPING SMALL DIAMETER ( LESS THAN 24") (LINE A)	LS	1	\$	\$
73	865	BYPASS PUMPING SMALL DIAMETER ( LESS THAN 24") (LINE B)	LS	1	\$	\$
74	865	BYPASS PUMPING SMALL DIAMETER ( LESS THAN 24") (LINE C)	LS	1	\$	\$
75	865	BYPASS PUMPING SMALL DIAMETER ( LESS THAN 24") (LINE D)	LS	1	\$	\$
76	865	BYPASS PUMPING SMALL DIAMETER ( LESS THAN 24") (LINE E)	LS	1	\$	\$

Line No.	Item No.	Description	Unit	Quantity	Unit Price	Subtotal
77	865	BYPASS PUMPING SMALL DIAMETER ( LESS THAN 24") (LINE F)	LS	1	\$	\$
78	865	BYPASS PUMPING SMALL DIAMETER ( LESS THAN 24") (LINE G)	LS	1	\$	\$
79	865	BYPASS PUMPING SMALL DIAMETER ( LESS THAN 24") (LINE H)	LS	1	\$	\$
80	865	BYPASS PUMPING SMALL DIAMETER ( LESS THAN 24") (LINE I)	LS	1	\$	\$
81	865	BYPASS PUMPING SMALL DIAMETER ( LESS THAN 24") (LINE J)	LS	1	\$	\$
82	865	BYPASS PUMPING SMALL DIAMETER ( LESS THAN 24") (LINE K)	LS	1	\$	\$
83	865	BYPASS PUMPING SMALL DIAMETER ( LESS THAN 24") (LINE L)	LS	1	\$	\$
84	865	BYPASS PUMPING SMALL DIAMETER ( LESS THAN 24") (LINE M)	LS	1	\$	\$
85	865	BYPASS PUMPING SMALL DIAMETER ( LESS THAN 24") (LINE N)	LS	1	\$	\$
86	865	BYPASS PUMPING SMALL DIAMETER ( LESS THAN 24") (LINE O)	LS	1	\$	\$
87	866	SEWER MAIN PRE-TELEVISION INSPECTION (8" THROUGH 15")	LF	2,385	\$	\$
88	866	SEWER MAIN PRE-TELEVISION INSPECTION (18" THROUGH 24")	LF	84	\$	\$
89	866	SEWER MAIN POST-TELEVISION INSPECTION (8" THROUGH 15")	LF	2,501	\$	\$
90	866	SEWER MAIN POST-TELEVISION INSPECTION (18" THROUGH 24")	LF	82	\$	\$
91	900	PIPE BURSTING 8" SANITARY SEWER PIPE, (0'-12' DEPTH)	LF	1,799	\$	\$
92	900	PIPE BURSTING 12" SANITARY SEWER PIPE, (20'-25' DEPTH)	LF	82	\$	\$
93	900	PIPE BURSTING 12" SANITARY SEWER PIPE, (0'-12' DEPTH)	LF	459	\$	\$
94	910.1	MANHOLE REHABILITATION	VF	63	\$	\$
95	1103.4	OBSTRUCTION REMOVAL BY REMOTE DEVICE, 8" THRU 18" DIA, ALL DEPTHS	EA	3	\$	\$

Line No.	Item No.	Description	Unit	Quantity	Unit Price	Subtotal
96	1109	SERVICE RECONNECTION, (W/ OPEN CUT EXCAVATION, 0'-10' DEPTH, INCLUDING UP TO 10' OF LATERAL)	EA	42	\$	\$
97	3000	HANDLING ASBESTOS CEMENT PIPE	LF	169	\$	\$
98	3400	CUT AND REMOVE METAL RUNGS INSIDE MANHOLES	LS	1	\$	\$
99	6001	PORTABLE CHANGEABLE MESSAGE SIGN (TXDOT SPEC)	LS	1	\$	\$
TOTAL BID AMOUNT (LINE ITEMS 1 - 99)					\$	

Line No.	Item No.	Description	Unit	Quantity	Unit Price	Subtotal
100	100	MOBILIZATION (Maximum of 10% of the total of line items 1 - 99)	LS	1	\$	\$
101	101	PREPARATION OF RIGHT-OF-WAY (Maximum of 5% of the total of line items 1 - 99)	LS	1	\$	\$
TOTAL MOBILIZATION AND PREPARATION OF RIGHT-OF-WAY AMOUNT (LINE ITEMS 100 - 101)					\$	

**Mobilization and Prep of ROW shall be limited to the maximum percentage shown. If the percentage 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, MOBILIZATION AND PREPARATION OF RIGHT-OF-WAY (LINE ITEMS 1 - 99 AND 100 - 101)	\$
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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 **250** 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

## TECHNICAL SPECIFICATIONS

### SAWS Standard Specifications for Water and Sanitary Sewer Construction\*

100	Mobilization
101	Preparation of Right of Way
200	Flexible Base
300	Concrete (Natural Aggregate)
301	Reinforcing Steel
307	Concrete Structures
550	Trench Excavation Safety Protection
804	Excavation, Trenching, and Backfill
812	Water Main Installation
818	PVC (C-900, C-905, and C-909) Pipe Installation
824	Service Supply Lines (Water)
826	Valve Box Adjustments
828	Gate Valves
831	Cut-In Tee
832	Tapping Sleeves and Valves
833	Meter and Meter Box Installation
834	Fire Hydrants
836	Grey-Iron and Ductile-Iron Fittings
839	Anchorage/Thrust Blocking and Joint Restraint
840	Water Tie-Ins
841	Hydrostatic Testing Operations
844	Blow-Off Assemblies
846	Air Release Assemblies
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853	Sanitary Sewer Glass-Fiber Reinforced Polyester (FRP) Manholes
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855	Reconstruction of Existing Manholes
858	Concrete Easement, Cradle, Saddles, and Collars
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1110	Progress Schedule
1112	Project Record Documents

\*SAWS Standard Specifications are part of the Project Specifications but are not included in these documents – current versions can be obtained at: [https://apps.saws.org/business\\_center/specs/constspecs/constspecs/index.cfm](https://apps.saws.org/business_center/specs/constspecs/constspecs/index.cfm)

**City of San Antonio Standard Specifications for Construction\***

103	Remove Concrete
202	Prime Coat
203	Tack Coat
205	Hot Mix Asphaltic Concrete Pavement
206	Asphalt Treated Base
208	Salvaging, Hauling & Stockpiling Reclaimable Asphaltic Pavement
209	Concrete Pavement
210	Rolling
300	Concrete
301	Reinforcing Steel
302	Metal for Structures
307	Concrete Structures
413	Flowable Fill
500	Concrete Curb, Gutter, And Concrete Curb And Gutter
502	Concrete Sidewalks
503	Asphaltic Concrete, Portland Cement Concrete, and Gravel Driveways
505	Concrete Riprap
507	Chain Link Wire Fence
509	Metal Beam Guard Rail
510	Timber Guard Posts
513	Removing and Relocating Mailboxes
515	Topsoil
516	Sodding
520	Hydromulch Seeding
530	Barricades, Signs, and Traffic Handling
535	Hot Applied Thermoplastic Pavement Markings
537	Raised Pavement Markers
540	Temporary Erosion, Sedimentation, and Water Pollution Prevention and Control
801	Tree and Landscape Protection

\*City of San Antonio Standard Specifications are part of the Project Specifications but are not included in these documents – current versions can be obtained at: <https://www.sanantonio.gov/PublicWorks/Current-Vendor-Resources/Standard-Specifications-and-Details>

**Texas Department of Transportation Standard Specifications and Maintenance of Highways, Streets, and Bridges\***

104	Removing Concrete
132	Embankment
340	Dense-Graded Hot-Mix Asphalt (Small Quantity)
401	Flowable Backfill
440	Reinforcement for Concrete
502	Barricades, Signs, and Traffic Handling
506	Temporary Erosion, Sedimentation, and Environmental Controls
508	Constructing Detours
512	Portable Traffic Barriers
662	Work Zone Pavement Markings

## **Texas Department of Transportation Special Specifications\***

6001          Portable Changeable Message Sign

\*Texas Department of Transportation Specifications are part of the Project Specifications but are not included in these documents – current versions can be obtained at: <https://www.txdot.gov/inside-txdot/division/construction/txdot-specifications.html>. TxDOT specification are provided for reference only. Work in TxDOT ROW shall conform to TxDOT specifications but shall not be measured separately for payment.

### **Separate Referenced Documents**

- City of San Antonio Right-of-Way Ordinance and Underground Utility Excavation Manual available at: <https://www.sanantonio.gov/PublicWorks/Services/Right-of-Way-and-Permits/Right-of-Way-Regulations>
- SAWS Standard Material Specification available at: [https://apps.saws.org/business\\_center/specs/matspecs/](https://apps.saws.org/business_center/specs/matspecs/)



Table with columns: Item No., Description, Unit, Total Quantity, and Estimated Sheet Quantities (A-1 through O-1). Rows include items like MOBILIZATION, PREPARATION OF RIGHT-OF-WAY, REMOVE CONCRETE CURB, etc.

CDS Muery F-1733 logo and contact information: CURT W. RAABE, 100 NE Loop 410, Ste. 300 | San Antonio, Texas 78216

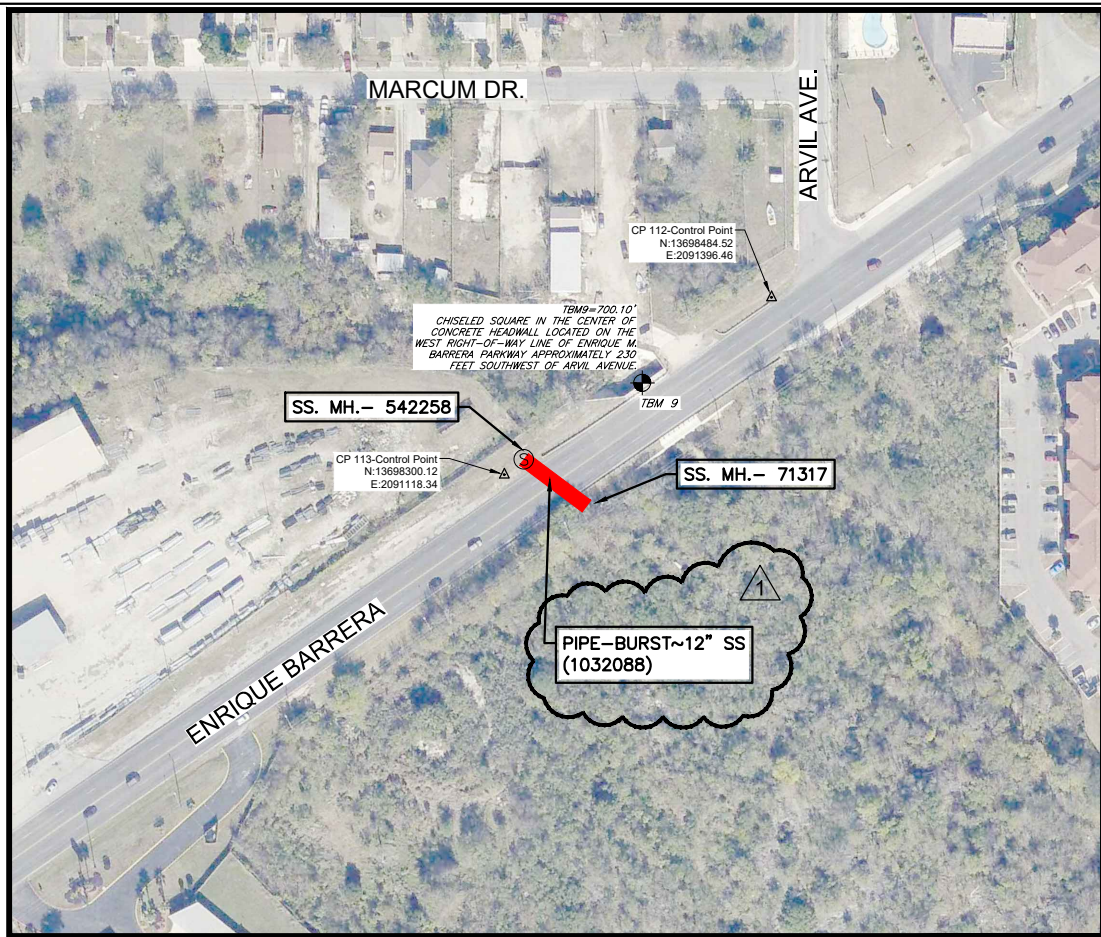
Table with columns: REV. NO., DATE, DESCRIPTION, BY. Row 1: 1, 10/12/2020, ADDENDUM NO. 1

2019 CMOM PACKAGE 3 (URGENT) QUANTITY SUMMARY. Includes SAN ANTONIO WATER SYSTEM logo, DATE: OCTOBER 2020, SAWS PROJECT NO., SHEET G-3 OF 35.

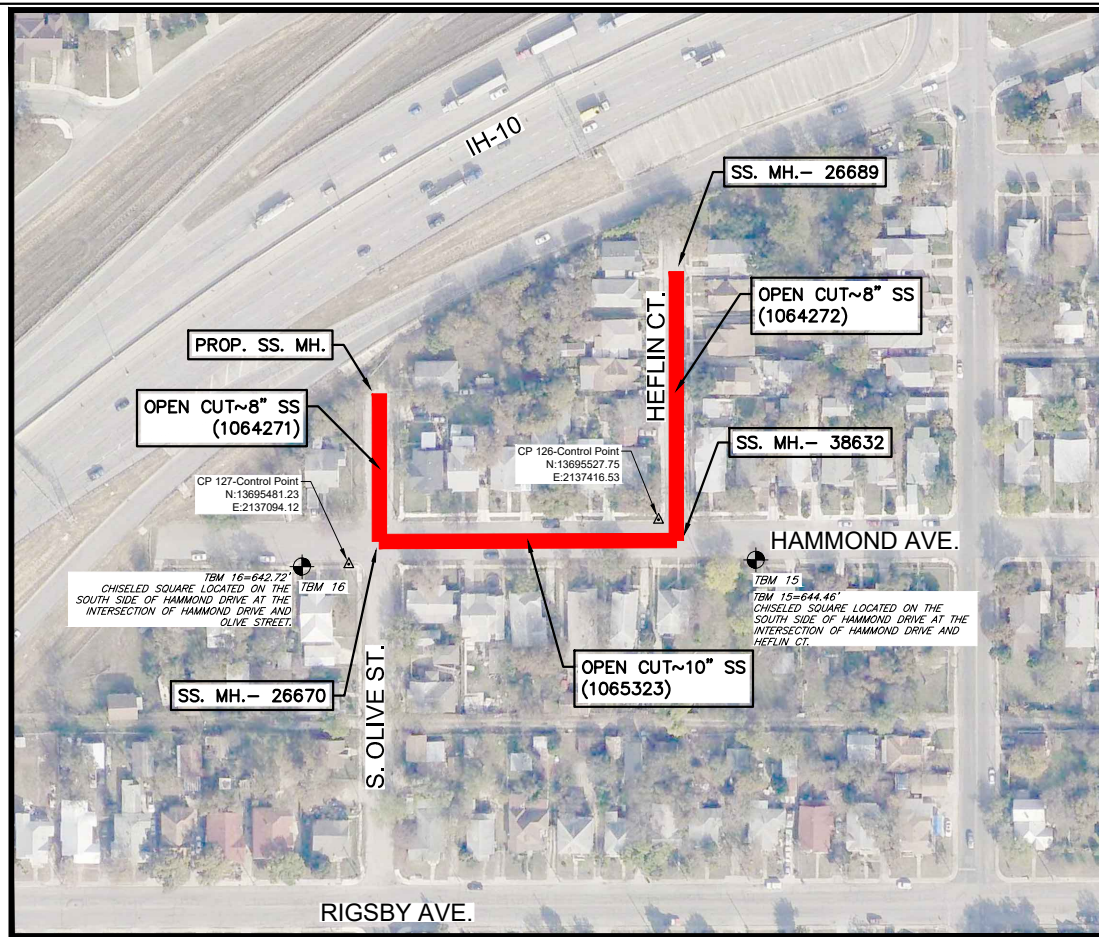


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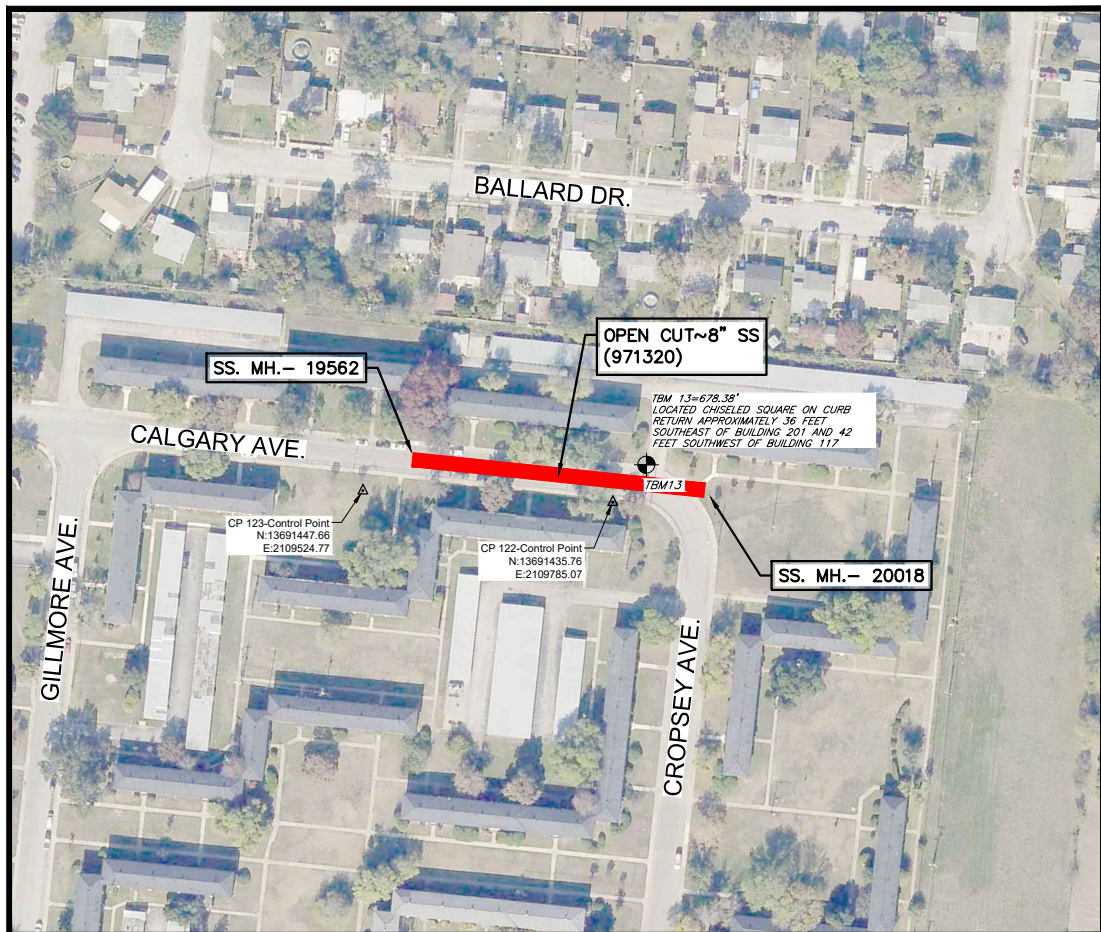
F:\2017\17270 SAWS 2017 PIPELINE CONDITION IMP NO.17270.07 - 2019 CMOM Pkg 3\csh 3D\SWS\_Engineer\17270.07-Project\_Layout.dwg



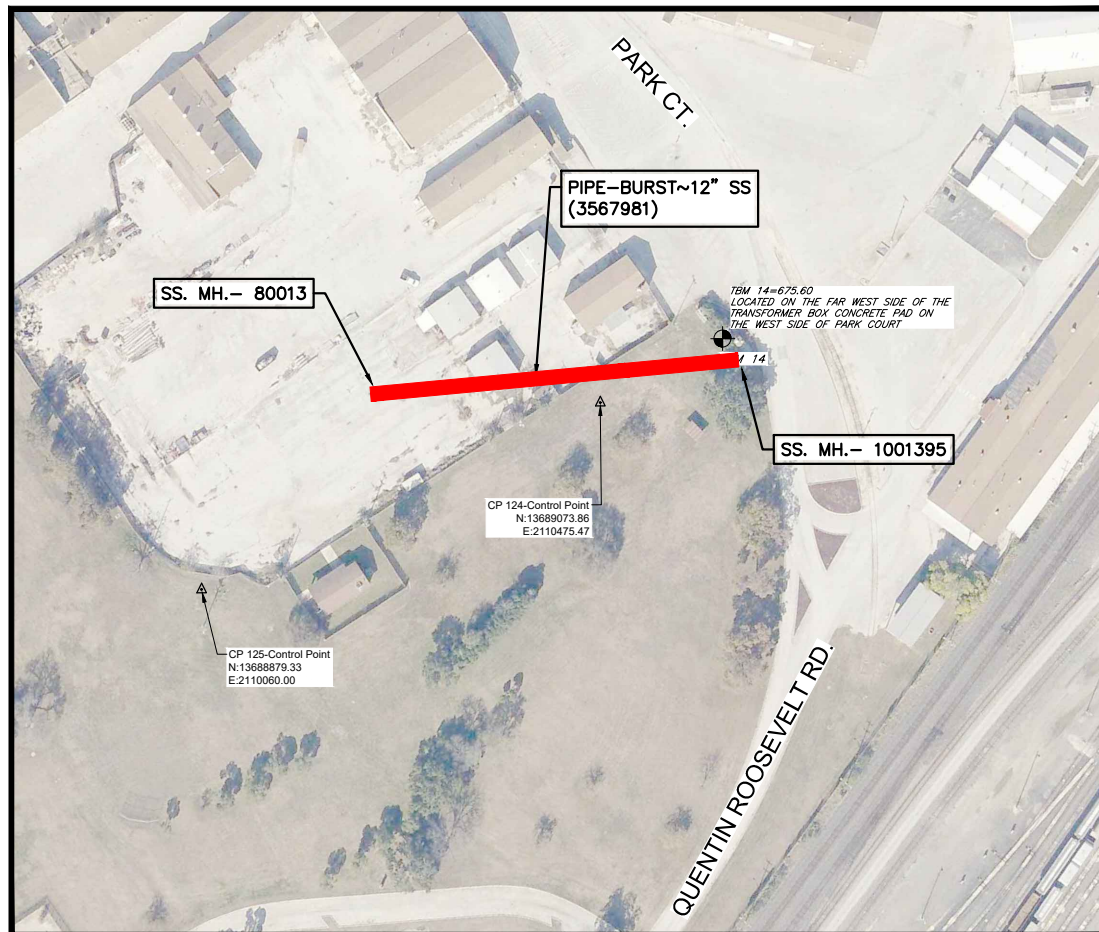
LINE I  
(SEE SHT. I-1)



LINE J  
(SEE SHTS. J-1, J-2 & J-3)



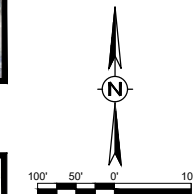
LINE K  
(SEE SHT. K-1)



LINE L  
(SEE SHT. L-1 & L-2)



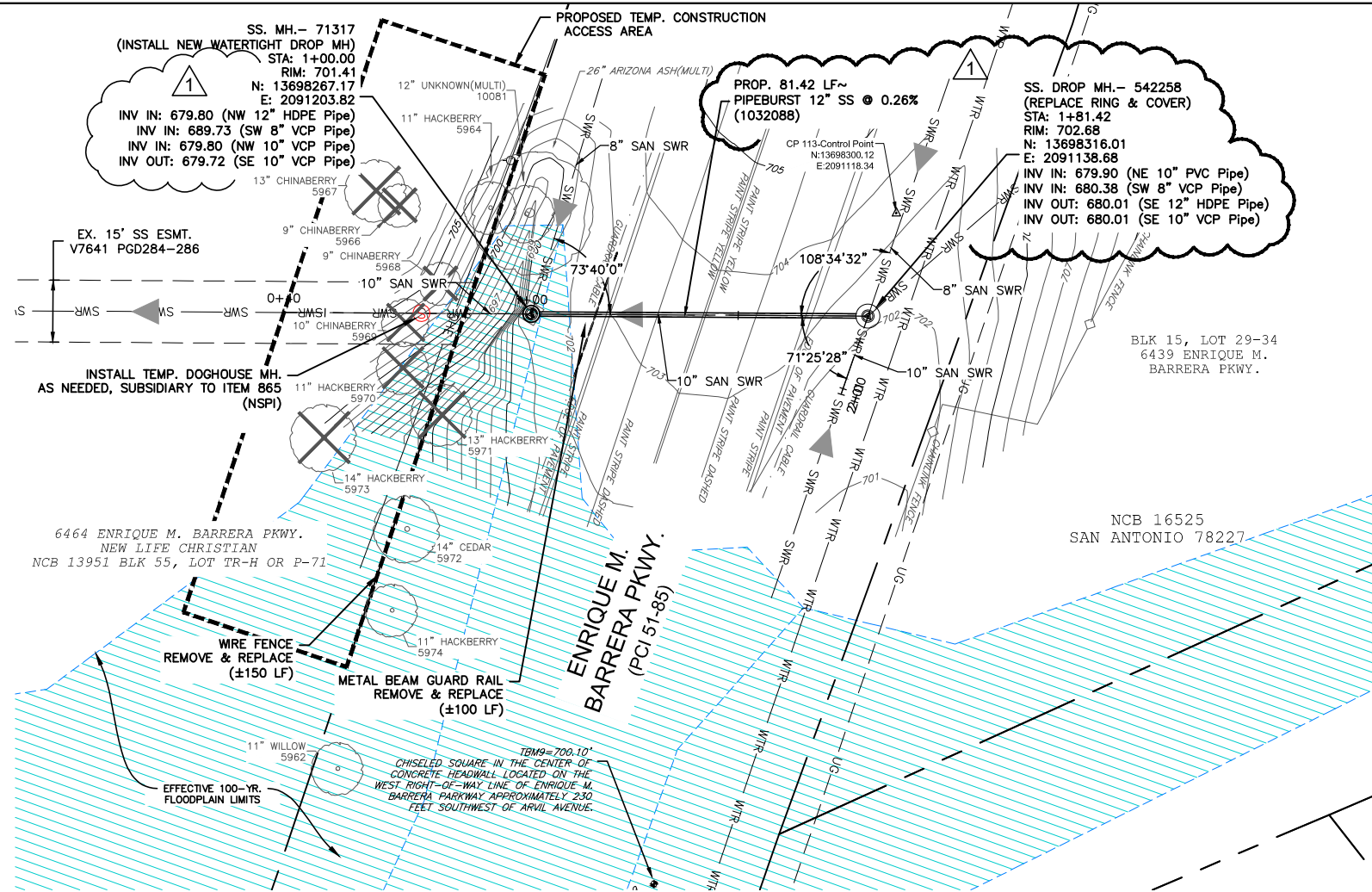
PROJECT SITE MAP



		<p>100 NE Loop 410, Ste. 300   San Antonio, Texas 78216 (210) 581-1111   TBPE No. F-1733   TBPLS No. 100495-00</p>	
REV. NO.	DATE	DESCRIPTION	BY
1	10/12/2020	ADDENDUM NO. 1	
		2019 CMOM PACKAGE 3 (URGENT)  OVERALL PROJECT LOCATION AND CONTROL (3 OF 4)	
DATE: OCTOBER 2020	SAWS PROJECT NO. 19-4542	SHEET G-10	
DESIGN: CWR	CDS PROJECT NO. 117270.07	10 OF 35	
DRAWN: IL			
CHECKED: MR			



F:\2017\17270 SANS 2017 PIPELINE CONDITION IMP NO\17270.07 - 2019 CMOM Pkg 3\Civil 3D\DWG\Engineer\17270.07-1 Barrera.dwg PLOTTED:10/12/2020 2:35 PM

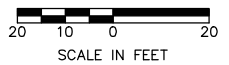


**PLAN**  
**LINE I**  
**SEGMENT: 1032088**

Item No.	Description	Unit	Quantity
508	RELOCATING WIRE FENCE (COSA SPEC)	LF	150.00
509.1	METAL BEAM GUARD RAIL (COSA SPEC)	LF	100.00
510	TIMBER GUARD POSTS (COSA SPEC)	EA	25.00
550	TRENCH EXCAVATION SAFETY PROTECTION	LF	50.00
851	EXISTING MANHOLE ADJUSTMENTS (WITH NEW RING AND COVER)	EA	1.00
852.2	SANITARY SEWER DROP MANHOLE (0-6')	EA	1.00
852.3	EXTRA DEPTH MANHOLE (-6')	VF	15.69
866	SEWER MAIN PRE-TELEVISION INSPECTION (8" THROUGH 15")	LF	81.42
900	PIPE BURSTING 12" SANITARY SEWER PIPE, (20'-25' DEPTH)	LF	81.42

**LEGEND**

- PROPOSED SAN. SEW. MANHOLE
- PROPOSED SAN. SEW.
- PROPOSED SAN. SEW. LATERAL
- PROPOSED SAN. SEW. CLEANOUT
- PWT. REPLACEMENT
- MILL & OVERLAY
- EXISTING SAN. SEW. LATERAL
- EXISTING SAN. SEW. SERVICE W/ CLEANOUT
- CONTROL POINT
- BASELINE
- EXISTING R.O.W. (ASSUMED)
- EXISTING SAN. SEW.
- EXISTING OVERHEAD UTILITY
- EXISTING UNDERGROUND ELECTRIC
- EXISTING UNDERGROUND GAS MAIN
- EXISTING UNDERGROUND TELEPHONE
- EXISTING UNDERGROUND COMM./FIBER OPTIC LINE
- EXISTING WATER LINE
- EXISTING RECYCLE MAIN
- EXISTING GAS LINE
- RIGHT-OF-WAY/ PROPERTY LINE
- EASEMENT LINE
- EXISTING WOOD FENCE
- EXISTING CHAIN LINK FENCE
- EXISTING IRON FENCE
- EXISTING EDGE OF ASPHALT
- EXISTING POWER POLE W/GUY WIRE
- EXISTING ELECTRICAL PEDESTAL
- EXISTING SANITARY SEWER MANHOLE
- EXISTING MANHOLE
- EXISTING FIRE HYDRANT
- EXISTING WATER VALVE
- EXISTING WATER METER
- EXISTING GAS METER
- EXISTING GAS VALVE
- EXISTING SIGN
- EXISTING TREE/VEGETATION



SCALE:  
 1"=20' (FULL SIZE)  
 1"=40' (HALF SIZE)

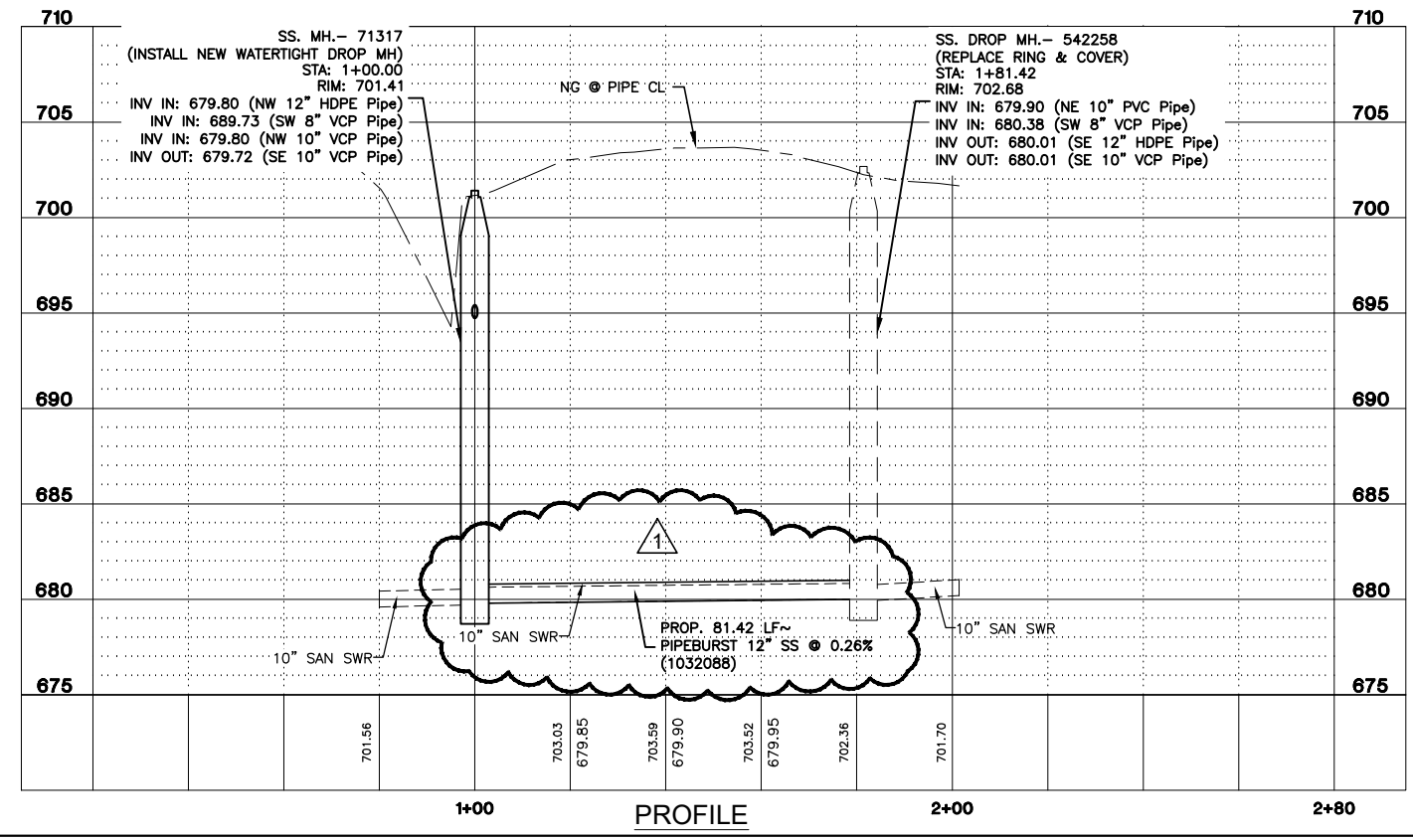
**CAUTION:**  
 EXISTING ELECTRICAL LINES  
 PRESENT. CONTRACTOR TO EXERCISE  
 CAUTION WHEN WORKING AROUND  
 ELECTRICAL LINES.

**TRENCH EXCAVATION SAFETY PROTECTION**

CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR STRUCTURAL DESIGN/GEOTECHNICAL/SAFETY/EQUIPMENT CONSULTANT, IF ANY SHALL REVIEW THESE PLANS AND AVAILABLE GEOTECHNICAL INFORMATION AND THE ANTICIPATED INSTALLATION SITE(S) WITHIN THE PROJECT WORK AREA IN ORDER TO IMPLEMENT CONTRACTOR'S TRENCH EXCAVATION SAFETY PROTECTION SYSTEMS, PROGRAMS AND/OR PROCEDURES. THE CONTRACTOR'S IMPLEMENTATION OF THE SYSTEMS, PROGRAMS AND/OR PROCEDURES SHALL PROVIDE FOR ADEQUATE TRENCH EXCAVATION SAFETY PROTECTION THAT COMPLIES WITH AS A MINIMUM, OSHA STANDARDS FOR TRENCH EXCAVATIONS. SPECIFICALLY, CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OF SAFETY CONSULTANT SHALL IMPLEMENT A TRENCH SAFETY PROGRAM IN ACCORDANCE WITH OSHA STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.

**NOTE**

LOCATIONS AND DEPTHS OF EXISTING UTILITIES AND SERVICE LATERALS SHOWN ON PLANS ARE UNDERSTOOD TO BE APPROXIMATE. ACTUAL LOCATIONS AND DEPTHS MUST BE FIELD VERIFIED BY THE CONTRACTOR AT LEAST ONE WEEK PRIOR TO CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE UTILITY SERVICE LINES AS REQUIRED FOR CONSTRUCTION AND TO PROTECT THEM DURING CONSTRUCTION AT NO COST TO SAWS.



**FULL SIZE:**  
 1"=20' HORZ.  
 1"=5' VERT.

**HALF SIZE:**  
 1"=40' HORZ.  
 1"=10' VERT.

**CDS muery**  
**ENGINEERS | SURVEYORS**

100 NE Loop 410, Ste. 300 | San Antonio, Texas 78216  
 (210) 581-1111 | TBPE No. F-1733 | TBPLS No. 100495-00

REV. NO.	DATE	DESCRIPTION	BY
1	10/12/2020	ADDENDUM NO. 1	

**SAN ANTONIO WATER SYSTEM**

**2019 CMOM PACKAGE 3 (URGENT)**

**LINE I**  
**PLAN & PROFILE**  
**(STA. 1+00 TO STA. 1+81.42)**

DATE: OCTOBER 2020	SAWS PROJECT NO. 19-4542	SHEET
DESIGN: CWR	CDS PROJECT NO. 117270.07	<b>1-1</b>
CHECKED: MR		<b>23 OF 35</b>