



2021 CMOM PACKAGE 4 - CIPP PROJECT
Solicitation Number: CO-00663
Job No.: 22-4530

ADDENDUM 5
July 26, 2023

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.

RESPONSE TO QUESTIONS

- 1. Question: With regards to making trails/preparing right of way in the river/creek beds for this project, who owns the riverbeds and are there specs available? (Specs in bid do not accommodate laying down materials for trails, only excavating).**

Response: The owners of the properties/creeks are shown on the project manual in the Special Conditions, item 16 Construction Right of Entry (ROE).

- 2. Question: Are there any environmental requirements for this project like SWPPP?**

Response: It is anticipated that there will be no major soil disturbing activities for this project. A bid item for construction entrance/exit (Bid Item 506) is provided if the contractor believes that soil may be tracked onto city streets. Any other temporary erosion, sedimentation, and water pollution prevention control will be subsidiary to other bid items. Please see Special Provision to Technical Specifications SP540 – Temporary Erosion, Sedimentation and Water Pollution Prevention and Control which is attached to this Addendum.

- 3. Question: The current specification only references excavation for ROW prep and is not clear regarding the Contractor’s ability to prepare access within the ROW of existing creeks & rivers. Will the Owner please provide details and specifications regarding what Contractors are allowed to do with regards to creating access in these areas (installing stone, etc.)? If this specification is dictated by Others (e.g. San Antonio River Authority) will the Owner please provide a copy of those specifications to Bidders?**

Response: Floodplain development permits have been obtained for all segments within the City of San Antonio floodplains. Contractor can perform minor grading to include excavation or fill to permit access to the existing sanitary sewer mains and manholes. Once rehabilitation of the segment is complete, the contractor shall restore the property back to its original or better condition which would include removing any minor fill material. The contractor cost for access shall be all inclusive and shall be included in the bid item 101 Preparation of ROW and item 864/865 Bypass Pumping.

- 4. Question: Will the Owner confirm who has authority over river and creek bed access required for this project’s scopes? If the authority is an entity other than the Owner, will the Owner release specifications for road construction within the river/creek beds from the appropriate owning authority?**

Response: See response to question #1 and #3. There is no other approving authority other than the owner or SAWS.

- 5. Question: If stone is used to create access in the river/creek ROW, will the Contractor be required to remove these after construction? Or will the Owner want to keep these in place for future maintenance access?**

Response: Once rehabilitation of the segment is complete, the contractor shall restore the property back to its original or better condition which would include removing any minor fill material. If contractor chooses to use other materials other than soil such as base material or rock, approval from SAWS/CoSA will be required in order to remain. The contractor cost for access shall be all inclusive and shall be included in the bid item 101 Preparation of ROW and item 864/865 Bypass Pumping.

6. **Question: The current CCTV specification (866-2, item 3) references the Contractor being responsible for repairing any pipe abnormalities will be solely at the Contractor's expense. Will the Owner explain how these types of costs are to be anticipated in our bid when these repairs cannot be defined at this time? Or will the Contractor be paid for point repairs as needed.**

Response: Contractor will be compensated for point repairs and/or obstruction removal by remote device under bid item 1103. Any additional point repair or obstruction removal must be approved, in writing, by SAWS.

CHANGES TO THE SPECIFICATIONS

1. Bid Proposal - Remove Bid Proposal in its entirety and replace with the revised Bid Proposal attached to this Addendum. The bid items and estimated quantities have been updated. This version of the bid proposal should be used by bidders when submitting a bid for this project. Failure to use the revised version of the bid proposal may result in the bid being found non-responsive.
 - a. The revision was to add Bid Item 530 Intersection, Driveways and Turnouts (TxDOT Spec).
2. Special Provision to Technical Specifications - Add Special Provision to Technical Specifications SP 540 - Temporary Erosion, Sedimentation and Water Pollution Prevention and Control to Technical Specifications attached to this Addendum.
3. Special Conditions - Remove Special Conditions and replace with the revised Special Conditions attached to this Addendum. Added Item B to SC 17. Project Requirements – B. ROE Site 4.

CHANGES TO THE PLANS

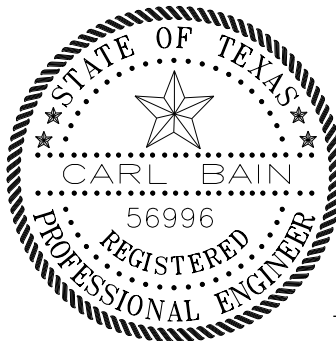
1. General Notes & Quantities Sheet (Sheet 02 of 99) to be removed in its entirety and replaced with the sheet attached to this Addendum.
 - a. The quantity table has been revised to incorporate the updated quantities.

CLARIFICATIONS

1. The estimated budget for this project has changed to \$9,220,000, which is also now reflected on SAWS website at the following:
https://apps.saws.org/business_center/contractsol/Drill.cfm?id=4238&View=Yes

END OF ADDENDUM

This Addendum including these two (2) pages is seventeen (17) pages in its entirety with the attachments.
Attachments:
Bid Proposal (4 pages)
Special Conditions (9 pages)
Special Provision to Technical Specifications (1 Page)
Plan Sheet 02



The seal appearing on this document was authorized by
CARL BAIN
P.E. 56996 ON
07-26-2023

A handwritten signature in blue ink that reads "Carl Bain".

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 **365** 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

BID PROPOSAL LINE ITEMS

No.	ITEM	DESCRIPTION	UNIT	QUANT.	UNIT PRICE	TOTAL
1	104	Removing Conc (TxDOT Spec)	SY	127	\$	\$
2	104	Removing Conc (Riprap) (TxDOT Spec)	SY	12	\$	\$
3	203.1	Tack Coat (CoSA Spec)	GA	40	\$	\$
4	205.4	HMAC Pavement, Type D (2" Compacted Depth) (CoSA Spec)	SY	390	\$	\$
5	206.1	HMAC, Type B (10" Compacted Depth) (CoSA Spec)	SY	84	\$	\$
6	208.1	Salv, Haul & Stkpl Rcl Asph Pvmnt (2" Depth) (CoSA Spec)	SY	300	\$	\$
7	299	Flowable Fill	CY	160	\$	\$
8	432	Riprap (Conc) (6") (TxDOT Spec)	SY	12	\$	\$
9	506.1	Construction Exit (Install) (TxDOT)	SY	770	\$	\$
10	506.2	Construction Exit (Remove) (TxDOT)	SY	770	\$	\$
11	SP507.1	Remove and Replace Fence (CoSA Spec)	LF	100	\$	\$
12	515.1	Top Soil (4") (CoSA Spec)	CY	10	\$	\$
13	516.2	St. Augustine Sodding (CoSA Spec)	SY	150	\$	\$
14	520.1	Hydromulching (CoSA Spec)	SY	3580	\$	\$
15	530	Intersection , Driveways, and Turnouts (TxDOT)	SY	113	\$	\$
16	530.1	Barricades, Signs, and Traffic Handling (Site 1 - Blanco Rd & Bitters Rd)	EA	1	\$	\$
17	530.1	Barricades, Signs, and Traffic Handling (Site 2 - Wurzbach Rd & Whisper Bow St)	EA	1	\$	\$
18	530.1	Barricades, Signs, and Traffic Handling (Site 3 - Wurzbach Pkwy & Weidner Rd)	EA	1	\$	\$
19	530.1	Barricades, Signs, and Traffic Handling (Site 4 - Guilbeau Rd & French Creek)	EA	1	\$	\$
20	530.1	Barricades, Signs, and Traffic Handling (Site 5 - Binz-Engleman & Rosillo Crk)	EA	1	\$	\$
21	530.1	Barricades, Signs, and Traffic Handling (Site 6 - LP 13 & Republic Golf Course)	EA	1	\$	\$
22	530.1	Barricades, Signs, and Traffic Handling (Site 7 - Creekside Dr)	EA	1	\$	\$
23	531	Conc Sidewalks (4") (TxDOT Spec)	SY	14	\$	\$
24	801	Tree Protection (COSA Spec)	LS	1	\$	\$
25	851	Adjusting Existing Manholes	EA	3	\$	\$
26	853	Fiberglass Reinforced Plastic Manholes (Tee Base) (72" Pipe) (5' Dia.)	EA	1	\$	\$
27	855	Reconstruction of Existing Manholes	EA	14	\$	\$
28	864	Bypass Pumping (Large Diameter Sanitary Sewers) (Site 1 - Blanco Rd & Bitters Rd)	LS	1	\$	\$
29	865	Bypass Pumping (Small Diameter Sanitary Sewers) (Site 1 - Blanco Rd & Bitters Rd)	LS	1	\$	\$
30	864	Bypass Pumping (Large Diameter Sanitary Sewers) (Site 2 - Wurzbach Rd & Whisper Bow St)	LS	1	\$	\$
31	865	Bypass Pumping (Small Diameter Sanitary Sewers) (Site 2 - Wurzbach Rd & Whisper Bow St)	LS	1	\$	\$
32	864	Bypass Pumping (Large Diameter Sanitary Sewers) (Site 3 - Wurzbach Pkwy & Weidner Rd)	LS	1	\$	\$
33	864	Bypass Pumping (Large Diameter Sanitary Sewers) (Site 4 - Guilbeau Rd & French Creek)	LS	1	\$	\$
34	865	Bypass Pumping (Small Diameter Sanitary Sewers) (Site 4 - Guilbeau Rd & French Creek)	LS	1	\$	\$
35	864	Bypass Pumping (Large Diameter Sanitary Sewers) (Site 5 - Binz-Engleman & Rosillo Crk)	LS	1	\$	\$

No.	ITEM	DESCRIPTION	UNIT	QUANT.	UNIT PRICE	TOTAL
36	865	Bypass Pumping (Small Diameter Sanitary Sewers) (Site 5 - Binz-Engleman & Rosillo Crk)	LS	1	\$	\$
37	864	Bypass Pumping (Large Diameter Sanitary Sewers) (Site 6 - LP 13 & Republic Golf Course)	LS	1	\$	\$
38	865	Bypass Pumping (Small Diameter Sanitary Sewers) (Site 6 - LP 13 & Republic Golf Course)	LS	1	\$	\$
39	865	Bypass Pumping (Small Diameter Sanitary Sewers) (Site 7 - Creekside Dr)	LS	1	\$	\$
40	866	Sewer Main Pre-Television Inspection (8" - 15" Dia.)	LF	320	\$	\$
41	866	Sewer Main Pre-Television Inspection (18" - 24" Dia.)	LF	2769	\$	\$
42	866	Sewer Main Pre-Television Inspection (27" - Larger Dia.)	LF	4049	\$	\$
43	901.1	Install CIPP Sanitary Sewer Pipe (8") (Hot Water) (All Depths)	LF	320	\$	\$
44	901.1	Install CIPP Sanitary Sewer Pipe (24") (Hot Water) (All Depths)	LF	2769	\$	\$
45	901.1	Install CIPP Sanitary Sewer Pipe (30") (Hot Water) (All Depths)	LF	1067	\$	\$
46	901.1	Install CIPP Sanitary Sewer Pipe (72") (Hot Water) (All Depths)	LF	2982	\$	\$
47	910	Manhole Rehabilitation	VF	41	\$	\$
48	1020	Main Break/Leak Repair (36" Recycle Water)	EA	1	\$	\$
49	1103	Point Repairs (8" Dia.) (All Depths)	EA	1	\$	\$
50	1103	Point Repairs (24" Dia.) (All Depths)	EA	4	\$	\$
51	1103	Point Repairs (30" Dia.) (All Depths)	EA	2	\$	\$
52	1103	Point Repairs (72" Dia.) (All Depths)	EA	1	\$	\$
53	1103	Extra Length Point Repairs (8" Dia.) (All Depths)	LF	10	\$	\$
54	1103	Extra Length Point Repairs (24" Dia.) (All Depths)	LF	80	\$	\$
55	1103	Extra Length Point Repairs (30" Dia.) (All Depths)	LF	20	\$	\$
56	1103	Extra Length Point Repairs (72" Dia.) (All Depths)	LF	20	\$	\$
57	1103	Obstruction Removal by Remote Control (24" Dia.) (Manhole to Manhole)	EA	7	\$	\$
58	1103	Obstruction Removal by Remote Control (30" Dia.) (Manhole to Manhole)	EA	2	\$	\$
59	1103	Obstruction Removal by Remote Control (72" Dia.) (Manhole to Manhole)	EA	1	\$	\$
60	1109	Service Reconnection, All Depths (by Remote Control)	EA	43	\$	\$
61	C50(2)	Temporary Chain Link Fence (CoSA Spec)	LF	722	\$	\$
62	SS 6001	Portable Changeable Message Sign (TxDOT Spec)	EA	10	\$	\$
Subtotal (Line Items 1 - 62) \$						
63	SC-14	RailPros Service Allowance	ALW	1	\$ 50,000.00	\$ 50,000.00
64	100	Mobilization and Demobilization (Site 1 - Blanco Rd & Bitters Rd)	LS	1	\$	\$
65	100	Mobilization and Demobilization (Site 2 - Wurzbach Rd & Whisper Bow St)	LS	1	\$	\$
66	100	Mobilization and Demobilization (Site 3 - Wurzbach Pkwy & Weidner Rd)	LS	1	\$	\$
67	100	Mobilization and Demobilization (Site 4 - Guilbeau Rd & French Creek)	LS	1	\$	\$
68	100	Mobilization and Demobilization (Site 5 - Binz-Engleman & Rosillo Crk)	LS	1	\$	\$
69	100	Mobilization and Demobilization (Site 6 - LP 13 & Republic Golf Course)	LS	1	\$	\$

No.	ITEM	DESCRIPTION	UNIT	QUANT.	UNIT PRICE	TOTAL
70	100	Mobilization and Demobilization (Site 7 - Creekside Dr)	LS	1	\$	\$
Subtotal Mobilization & Demobilization (Line Items 64 - 70)						\$
(Max. 10% of Line Items 1 - 62)						
71	101	Preparation of Right-of-Way (Site 1 - Blanco Rd & Bitters Rd)	LS	1	\$	\$
72	101	Preparation of Right-of-Way (Site 2 - Wurzbach Rd & Whisper Bow St)	LS	1	\$	\$
73	101	Preparation of Right-of-Way (Site 3 - Wurzbach Pkwy & Weidner Rd)	LS	1	\$	\$
74	101	Preparation of Right-of-Way (Site 4 - Guilbeau Rd & French Creek)	LS	1	\$	\$
75	101	Preparation of Right-of-Way (Site 5 - Binz-Engleman & Rosillo Crk)	LS	1	\$	\$
76	101	Preparation of Right-of-Way (Site 6 - LP 13 & Republic Golf Course)	LS	1	\$	\$
77	101	Preparation of Right-of-Way (Site 7 - Creekside Dr)	LS	1	\$	\$
Subtotal Preparation of Right-of-Way (Line Items 71 - 77)						
(Max. 5% of Line Items 1 - 62)						
78	102.1	Intermediate Demobilization and Remobilization	EA	1	\$	\$
Total Bid Price (Line Items 1 - 78)						\$

Mobilization and Demobilization lump sum bid shall be limited to a maximum 10% of the 1-62 Sub-total Base Bid amount. Preparing Right-of-Way lump sum bid shall be limited to a maximum of 5% of the Line Items 1-62 Sub-total Base Bid amount. The Line Item 1-62 Sub-total base bid is defined as all bid items EXCLUDING Item 100, Mobilization and Demobilization Item 101, Preparing Right-of-Way. In the event of a discrepancy between the written percentage and dollar amount shown for Mobilization and Demobilization and Preparation of ROW bid items the written percentage will govern. If the percentage written exceeds the allowable maximum stated for mobilization, demobilization, 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.

REVISION TO STANDARD SPECIFICATION ITEM NO. 540 (TEMPORARY EROSION, SEDIMENTATION AND WATER POLLUTION PREVENTION AND CONTROL)

540.1 Description: Add the following paragraph to Section 540.1 Description:

For additional Stormwater Pollution Prevention Requirements, reference the attached SW3P Notice to Permit Holder regarding updates to the Construction Stormwater Ordinance (Ord. 94002) effective January 1, 2017 attached to the end of the Special Provisions to Technical Specifications.

540.4 Construction: Add the following at the end of section 540.4(A)(2), following subsection (b):

***c. Stormwater Pollution Prevention Plan (SWPPP).** Contractor shall prepare and submit a Stormwater Pollution Prevention Plan with all documents designed and signed by either a Licensed Engineer (Texas), Certified Professional in Erosion and Sedimentation Control (CPESC) or Licensed Landscape Architect. The Contractor's SWPPP shall reflect the Contractor's planned sequencing of work, selected construction methods, staging areas, etc.*

Add the following at the end of section 540.4(B)(3):

Erosion control best management practice inspections can only be performed by Licensed Engineers, CPESC, Certified Erosion, Sediment, and Stormwater Inspector (CESSWI) or Certified Inspector of Sediment and Erosion Control (CISEC).

540.5 Measurement: Replace the content of this section in its entirety with the following:

Temporary erosion, sedimentation, and water pollution prevention control will be subsidiary to other bid items.

540.6 Payment: Replace the content of this section in its entirety with the following:

This will be paid for subsidiary to other bid items, which shall be full compensation for work herein specified, including the preparation and submission of signed and sealed SWPPP, furnishing of all materials, equipment, tools, labor, and incidentals necessary to complete, maintain, inspect, repair, and dispose of the work.

540.7 Bid Item: Delete this section in its entirety.

All other language in this specification 540 remains in full force.

END OF SECTION

SPECIAL CONDITIONS

SC1. The CONTRACTOR shall, to the extent allowed by law, list a landowner or other person or entity with an insurable interest as an additional insured on the Commercial General Liability (CGL) and Commercial/Business Automobile Liability (AL) policy(s) of insurance that CONTRACTOR is required to maintain under this Contract. Landowner shall be added as an additional insured if indicated in the landowner's easement agreement and upon request as needed.

SC2. The CONTRACTOR shall notify the SAWS Construction Manager and the Engineer of Record of anticipated work within TXDOT right-of-way at least 60 days prior to mobilizing within TXDOT right-of-way.

SC3. CCTV videos were completed for SAWS on this project and have been made available for review by Bidders for informational purposes only. SAWS will require the execution of a SAWS disclaimer form by the potential Bidder Respondent as a condition of and prior to the release of the CCTV videos.

The disclaimer form can be found on the SAWS website at the following link:
https://apps.saws.org/business_center/ContractSol/

Bidders shall complete the Video Disclaimer form and sent it to Janie Powell via email at Janie.Powell@saws.org

An ftp link will be sent to the Bidder to access the CCTV videos.

SC4. 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/download.cfm>

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.

PROJECT REQUIREMENTS

SC5. EXISTING UTILITIES

The Contract Documents reflect the general location and routing for existing utilities. The CONTRACTOR shall visit the site, meet with the local utility company representatives, and coordinate and confirm the requirements for securing, protecting, adjusting, or relocating of utilities required to install the proposed sewer improvements. It shall be the CONTRACTOR's responsibility to locate existing utilities as required for construction and to protect them during construction at no additional cost to SAWS. CONTRACTOR shall verify depth and location of existing utilities and all related appurtenances shown and not shown on the plans in advance of trenching to allow for adjustments to the proposed alignment and/or coordination with other utility providers. Prior to commencement of construction, CONTRACTOR shall submit a plan for the proposed methods and frequency of test holes for utility verification as required to complete the work. No separate payment will be made for utility verification required to complete the work. CONTRACTOR assumes all liability for any damage that may result in not properly or adequately locating and protecting existing utilities.

SC6. PUBLIC RELATIONS

The CONTRACTOR shall direct any and all questions from the public or media regarding the project to Byron Gipson with SAWS at (210) 233-2977 or Cecilia Picazo at (210) 233-3750. CONTRACTOR shall coordinate with SAWS COI and the SAWS COI will coordinate with the public relations contact person to provide a response to public inquiries.

SC7. CONSTRUCTION IN PROXIMITY TO RECYCLED WATER LINE

- A. The Contractor will be working in close proximity to or crossing the SAWS' Recycled Water Mains. These mains are typically constructed of CSC pipe and will require support and/or protection during construction.
- B. The recycled water main is considered critical infrastructure for SAWS and its customers, as these mains provide critical water supply to manufacturing and other industry within San Antonio that requires significant notice prior to any shutdown.
- C. The Contractor shall notify SAWS, the Construction Manager and the Engineer of Record two (2) weeks in advance of any work occurring in close proximity to or requiring exposure of the mains.
- D. In the event a recycled water main is observed to be leaking, the Contractor shall notify SAWS immediately. The Contractor shall provide adequate access and space to SAWS to allow for the repair of the main.
- E. Contractor shall be prepared to repair the recycled water main in the event it begins to leak due to the Contractor's lack of proper protection.
- F. For shutdowns of the recycled water mains for any reason, the Contractor shall provide 30-day notice prior to shut down, to Pablo Martinez with SAWS at (210) 233-3673. To accompany the 30-day notice, the Contractor shall provide a work plan including the reason for shutdown, work to be completed, and duration of shutdown. Shutdowns will only be

permitted between the months of November 2023 and March 2024, and shutdown will not be allowed for more than three (3) days for any reason.

SC8. USE OF WATER FOR CONSTRUCTION

- A. Contractor may be authorized to utilize water from recycled water mains that are adjacent to this project. If water from potable sources is not available at a given site, and the use of recycled water is desired, Contractor shall contact SAWS Construction Manager and request permission to use the recycled water. Recycled water may be used under the following conditions:
- a. Contractor to notify Roland Gutierrez (Superintendent, Recycled Water and Odor Control Operations) at roland.gutierrez@saws.org or (210) 233-3194. At the time of notification, Contractor to submit exhibits displaying the air release valves on the recycled water mains that are to be used.
 - b. Contractor to meet with Roland Gutierrez, SAWS Construction Manager, and the Project Engineer onsite prior to use of recycled water and after completion to verify proper restoration of the site.
 - c. The typical process for using recycled water is by replacement of an existing air release valve with a check valve and manifold/connection. Tap size to be determined by the Contractor and approved by SAWS. SAWS Construction Manager and Roland Gutierrez will determine the process for use of recycled water at the time of the onsite meeting.
- B. Contractor is directed to review each project site, as part of the bid process, and is likewise expected to include acquisition of any/all water needed in bid pricing. No additional payment will be made to contractor for acquisition of water for construction uses.

SC9. CLEARING OF EASEMENTS

Contractor is advised to become familiar with the access route intended to access the work site for each segment. In some cases, the clearing and grubbing needed to adequately access the site(s) is significant, and contractor is advised to prepare pricing accordingly, per Item No. 101 – Preparing Right-Of-Way. The Contractor shall protect all trees greater than 6” in diameter, unless shown as removed on the Tree Preservation Plans. A meandering access route may be required to avoid tree removal.

Contractor is also advised that several of the sites contain trash and debris that has been illegally dumped in the area. Contractor is to remove trash and debris and dispose of same properly, as part of bid price for Item No. 101 – Preparing Right-of-Way.

SC10. CONSTRUCTION ADJACENT TO EXISTING LIVE SEWERS AND RECYCLED WATER MAINS

Contractor is advised that this project is being performed, to repair sewer lines known to be in poor condition. New sewer construction is slated to occur in close proximity to existing sewer mains and existing recycled water mains as part of Site 6 of this project. Contractor is to devise a means to ensure that trench walls remain stable during construction, so that the integrity of the adjacent

sewer and/or recycled water main is preserved at all times. Contractor is also advised to exercise extreme caution when excavating, driving over, or placing equipment (such as by-pass pumps or other) directly over existing sewer lines or recycled water mains. Contractor may need to place additional protection over existing pipes to prevent damages from occurring related to construction activity above. Damages caused as a result of collapse of an existing sewer line or recycled water main due to construction activity above or adjacent to these existing infrastructures, is to be repaired by the contractor at no additional cost to SAWS.

SC11. ACCESS/PRIVATE PROPERTY COORDINATION

Access to the project sites will require close coordination with landowners and their tenants, if any. The Contractor shall coordinate with the SAWS Inspector to provide notice to all involved parties well in advance of the work and indicate when field work will begin at each project location. Contractor shall also provide an explanation of the type of work to be done and approximate schedule. The Contractor will bear full responsibility for any and all of his actions or results of any of his activities, intended or not, regardless of where his work is taking place.

SC12. LIVESTOCK PROTECTION

Contractor is advised that some project locations contain livestock. Contractor to be responsible for closing gates each time he passes through them to prevent livestock from exiting impacted properties. Gates shall remain closed when not actively being used for access. Contractor shall also be responsible for motor vehicle operation within the workspace to ensure that safe driving practices are observed, and livestock is not impacted.

SC13. MISCELLANEOUS ITEMS (Site 6)

- A. Contractor shall note that the Temporary Joint Use Agreement (TJUA) for site 6 is owned by the City of San Antonio (CoSA). CoSA has entered into an agreement with SAWS to allow use of the TJUA (location depicted in plans).
- B. Flow meters are present in upstream manholes for this Site 6. Contractor shall coordinate with Bobby Johnson at (210) 233-3493 or Abel Borunda at (210) 233-3704, a minimum of 72 hours, not including weekends or SAWS holidays, if sewer manholes are impacted or utilized for bypass operations.
- C. The contractor shall coordinate with SAWS and the contractor for BPC East and West Sewershed Package 2 – CIPP Project for bypass operations, construction schedule and/or other construction activities that may impact bypass operations for this project. This coordination shall be considered a non-separate pay item "NSPI" for all required coordination and sequencing of work with the other project.
- D. Item C50(2) Temporary Chain Link Fence (CoSA Spec) shall follow CoSA Spec SP507 and the detail shown on Plan Sheet 50.

SC14. Construction within Railroad ROW

The OWNER has entered into pipeline crossing and/or encroachment agreements with the Union Pacific Railroad Company (UPRR) for installation of sewer improvements located within the UPRR right-of-way within the scope of proposed construction. Contractor shall comply with all requirements of the executed agreements between SAWS and UPRR, including but not limited to insurance requirements, and onsite observation and/or inspection through UPRR authorized representatives named in the agreement during all construction and installation work. Copies of the railroad agreements are provided as an attachment to the Special Conditions. Per the Union Pacific Railroad agreements, the Contractor is required to have On-Site Observation of Construction while working on the water main within or crossing UPRR right-of-way. The Contractor shall contact the following RailPros contacts and provide them with the required Work Plan Form, Observation Agreement, and all other forms required prior to construction:

- Jason Murray (jason.murray@railpros.com or 248-974-3362) for any engineering field related questions;
- Marianne O'Bagy (marianne.obagy@railpros.com or 801-815-2884) for any document control questions;

The contractor shall follow UPRR agreement permit requirements and there shall be no separate pay item for coordinating with UPRR. SAWS will reimburse the Contractor at cost per a provided invoice for the required UPRR/RailPros flaggers and/or observers from the included allowance provided in the contract documents. If contractor expects to exceed the allowance provided in the contract documents, contractor shall inform and obtain approval from SAWS before SAWS will agree to exceed the allowance.

As part of the executed agreements, the following forms and/or items will need to be completed by the Contractor with UPRR/RailPros prior to beginning work on each permitted section:

- Complete the Project and Billing Form (to be provided) and email to utilities.office.staff@railpros.com and the Observer Agreement and Flagger Quote and Services Agreement will be sent for processing.
- Email the UPRR representative (contact info found in the fully executed UPRR Agreement for each location) to inform them of construction in their region. Include the fully executed agreement in the email.
- Complete the Work Plan Form (to be provided) and submit to utilities.office.staff@railpros.com.
- Email the UP Manager Signal Maintenance (contact info found in the fully executed UPRR Agreement for each location) and give the location of the by-pass piping, the MP and Subdivision given in the Exhibit A of the executed UPRR Agreement, so they can locate the UPRR Signal Cables. Ask them to reply to your email with any instructions.
- Call 1-800-336-9193 to generate an active ticket or to renew an existing ticket to locate all UPRR telecommunication cables. Forward the CBUD Ticket to utilities.office.staff@railpros.com. Each contractor digging or drilling on the UPRR property must be named on the ticket.

Also, please make sure to review the UPRR PPE Requirements at the following location:
https://www.up.com/cs/groups/public/@uprr/@suppliers/documents/up_pdf_natedocs/pdf_up_supplier_safety_req.pdf

SC 15. Work performed within TxDOT Right-of-Way

Contractor shall notify SAWS at least 60 calendar days prior to conducting any work in the TxDOT Right-of-Way.

SC 16. Construction Right-of-Entry (ROE)

All Sites for this project require Construction ROEs. Work and access areas for these sites are defined in the Construction ROE Exhibit B's (Refer to "Appendix A" for the construction ROE Exhibit B's). Special conditions related to the ROE's are documented in the plans and the signed ROE agreements.

The Contractor shall carefully review these documents and shall closely coordinate with landowners and their tenants. ROE agreements include additional insurance requirements for Contractor. Contractor shall name the affected property owners as additional insured and provide a certificate evidencing coverage limit specified in each ROE agreement prior to contract execution.

Property Owner Name	Property Address	Mailing Address	BCAD Property ID	Notes
HS Tejas LTD	Bitters Rd, San Antonio, Texas 78248	249 Mack Bayou Loop Ste 301, Santa Rosa Beach, FL 32459	698836	ROE TO CONSTRUCT
Mid - America Apartments LP	15150 Blanco Rd, San Antonio, Texas 78232	C/O MAA Schlinder #018168 6815 Poplar Ave. Ste 500, Germantown, TN 38138-0612	1099013	ROE TO CONSTRUCT
Denton Properties Denton Development CO	Blanco Rd, San Antonio, Texas 78232	3303 Oakwell CT Ste 100, San Antonio, Texas 78218-3081	669796	ROE TO CONSTRUCT
11-2015 Investment Holding LLC	1175 W Bitters Rd, San Antonio, Texas 78238	8452 Fredericksburg Rd #1, San Antonio, Texas 78229-3317	669870	ROE TO CONSTRUCT
Elm Creek Owner Assoc	Lockhill Selma Rd, San Antonio, Texas 78230	14603 Huebner Rd Bldg 40, San Antonio, Texas 78230-5513	558375	ROE TO CONSTRUCT
Mawi Saki & Valerie Lynn	11401 Whisper Valley St, San Antonio, Texas 78230	11401 Whisper Valley St, San Antonio, Texas 78230	543783	ROE TO CONSTRUCT
Beitel Creek LTD	Wurzbach Pkwy, San Antonio, Texas 78233	11 Lynn Batts LN Ste 100, San Antonio, Texas 78218-3077	1301653	ROE TO CONSTRUCT

Beitel Creek LTD	Schertz Rd, San Antonio, Texas 78233	11 Lynn Batts LN Ste 100, San Antonio, Texas 78218-3077	1276490	ROE TO CONSTRUCT
City Of San Antonio	N Weidner Rd, San Antonio, Texas 78233	PO Box 839966, San Antonio, Texas 78283-3966	564155	ROE TO CONSTRUCT
City Of San Antonio	S Weidner Rd, San Antonio, Texas 78233	PO Box 839966, San Antonio, Texas 78283-3966	564159	ROE TO CONSTRUCT
REM Enterprises LLC	999 S Weidner Rd, San Antonio, Texas 78233	3514 Forest Glade, San Antonio, Texas 78247	564156	ROE TO CONSTRUCT
Gish Kyle A	5432 Leonhardt Rd, San Antonio, Texas 78233	11603 N Weidner Rd, San Antonio, Texas 78233-6011	564147	ROE TO CONSTRUCT
City Of San Antonio	N Weidner Rd, San Antonio, Texas 78233	PO Box 839966, San Antonio, Texas 78283-3966	564154	ROE TO CONSTRUCT
City Of San Antonio	Guilbeau Rd, San Antonio, Texas 78250	PO Box 839966, San Antonio, Texas 78283-3966	683210	ROE TO CONSTRUCT
Covin Jeffrey Wayne & Marie Claire	Binz-Engleman Rd, Kirby, Texas 78219	5850 Binz-Engleman Rd, San Antonio, Texas 78244-2201	1255797	ROE TO CONSTRUCT
Smith Evelyn M & Wells James H	4207 SE Military Dr, San Antonio, TX 78222	14122 Churchill Estates Blvd apt. 1507, San Antonio, TX 78248-1176	466626	ROE TO CONSTRUCT
Republic Golf Club LTD	4226 SE Military Dr, San Antonio Texas 78222	512 E Blanco Rd #100, Boerne Texas 78006	466770	ROE TO CONSTRUCT

SC 17. Project Requirements

A. Project Milestones

The contractor shall take the following schedule constraints into consideration when planning their construction schedule:

- Site 7 – Creekside Drive needs to be prioritized by the contractor. This rehabilitation needs to be completed before the end of 2023.
- Site 4 – Guilbeau Rd and French Creek shall be prioritized by the contractor and be constructed after Site 7. Contractor is responsible to coordinate CoSA Parks during construction. CoSA Parks will have a project to be constructed in 2024 at the end of Exbourne Street and Echo Willow Drive.

- B. ROE Site 4. The area shown for contractor's access is owned by CoSA and it is part of the French Creek Wildwood West Trail Connection Project. Contractor shall not use the property for material storage or staging without prior approval from CoSA. Contractor shall also obtain approval from CoSA Parks (Roque Duque De Estrada Roque.DuqueDeEstrada@sanantonio.gov or Brandon Ross brandon.ross@sanantonio.gov Phone: 210-207-6101) for vehicular access location through the CoSA property. Contractor shall coordinate a site visit with CoSA Parks before starting construction.
CoSA approvals will not be unreasonably withheld. Contractor shall complete this site by February 28, 2024.

9/5/2023

7/17/2023

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SAWS GENERAL NOTES: (Updated January 06, 2022)

- All materials and construction procedures within the scope of this contract shall be approved by the San Antonio Water System (SAWS) and comply with the Plans, Specifications, General Conditions and with the following as applicable:
 - Current Texas Commission on Environmental Quality (TCEQ) "Design Criteria for Domestic Wastewater System", Texas Administrative Code (TAC) Title 30 Part 1 Chapter 217 and "Public Drinking Water", TAC Title 30 Part 1 Chapter 290
 - Current TXDOT "Standard Specifications for Construction of Highways, Streets and Drainage."
 - Current "San Antonio Water System Standard Specifications for Water and Sanitary Sewer Construction."
 - Current City of San Antonio "Standard Specifications for Construction."
 - Current City of San Antonio "Utility Excavation Criteria Manual" (UECM).
 - The Contractor shall obtain SAWS Standard Details from SAWS website, https://apps.saws.org/business_center/specs/constspecs_2020/index.html unless otherwise noted within design plans.
 - The Contractor is to notify and make arrangements with the SAWS Construction Inspection Division at 210-233-3500 (during regular SAWS working hours), and provide notification procedures the Contractor will use to notify affected home residents and/or property owners two (2) weeks prior to excavation. Outside of regular SAWS working hours the SAWS EOC should be contacted at 210-704-7297.
 - If necessary, Contractor will coordinate use of SAWS premises at no additional cost to SAWS. Such efforts include, but are not limited to, obtaining security identification badges required for access to SAWS facilities.
 - Locations and depths of existing utilities and service laterals shown on the plans are understood to be approximate. Actual locations and depths must be field verified by the Contractor 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.
 - The Contractor shall verify the exact location of underground utilities and drainage structures prior to construction whether shown on plans or not. As-built for SAWS infrastructure can be obtained at website below. Contractor shall coordinate physical locates for SAWS infrastructure through the SAWS Inspector. Please allow up to 7 business days for locates requesting pipe location markers on SAWS infrastructure. The following contact information are supplied for verification purposes:

San Antonio Water System:
Request as-built: <https://www.saws.org/service/locates-service/>
COESA Drainage 210-206-8433
COESA Traffic Signal Operations 210-207-7720
Texas State Wide One Call Locator 1-800-545-6005 or 811
 - The Contractor shall be responsible for restoring existing fences, curbs, streets, driveways, sidewalks, landscaping and structures to its original or better condition as a result of damages done by the project's construction.
 - Contractor shall not make use of dumpsters or waste bins that are intended to serve residents and/or businesses.
 - All work in Texas Department of Transportation and Bexar County right-of-way shall be done in accordance with respective construction specifications and permit.
 - The Contractor shall comply with City of San Antonio or other governing Municipality's tree ordinances when excavating near trees.
 - All work within the 100-year Floodplain shall be done in accordance with Floodplain Development Permit.
 - Any work completed without prior written authorization which is not included in these plans and specifications will not be compensated by the San Antonio Water System.
 - Holiday Work: Contractors will not be allowed to perform SAWS work on SAWS recognized holidays.

Weekend Work: Contractors are required to submit request to the SAWS Inspection Construction department by 12:00pm on the Wednesday prior to the weekend being requested. Request should be sent to cnstworkrea@saws.org.

Any and all SAWS utility work installed without weekend approval will be subject to be uncovered for proper inspection at no cost to SAWS.
 - PRE-CON SITE VIDEO: Before the start of any construction, The site must be video recorded by the contractor with one copy submitted to SAWS Inspections. A pre-site video will provide accurate documentation of the existing conditions (NSPI).
 - POWER POLE BRACING: Contractors should be advised that there are existing overhead utility poles along the project corridor. Contractors should further be advised that if the distance from the outside face of a utility trench to the face of a utility pole is less than 5 feet, said utility pole is subject to bracing, based on a determination made by utility pole owner. Costs incurred by contractor for bracing of these utility poles is subsidiary to that respective utility company's work. It is advisable for the contractor to review the construction documents, and visit the construction site to determine potential impacts.
 - CONSTRUCTION SEQUENCING: It is the Contractor's sole responsibility to schedule sequencing for removal and installation of existing and proposed SAWS utilities in conjunction with general project construction. Sequence of construction activities shall be considered in order to minimize the extent and duration of disturbances.
 - Contractor shall comply with applicable regulations including, but not limited to, those overseen by the U.S. Occupational Safety and Health Administration (OSHA). OSHA information and related materials may be obtained at www.osha.gov/ or at the OSHA San Antonio Office located at Fountainhead Tower, Suite 605 8200 W. Interstate 10 San Antonio, TX 78230 which is also reachable by phone at (210) 472-5040.
 - 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 areas 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 or 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.
- SEWER
- The Contractor is responsible for ensuring that no sanitary sewer overflow (SSO) occurs as a result of their work. All contractor personnel responsible for SSO prevention and control shall be trained on proper response. Should an SSO occur, the contractor shall:
 - Identify the source of the SSO and notify SAWS Emergency Operations Center (EOC) immediately at 210-704-SAWS (210-704-7297). Provide the address of the spill and an estimated volume or flow.
 - Attempt to eliminate the source of the SSO.
 - Contain sewage from the SSO to the extent of preventing a possible contamination of waterways.
 - Clean up spill site (return contained sewage to the collection system if possible) and properly dispose of contaminated soil/materials.
 - Clean the affected sewer mains and remove any debris.
 - Meet all post-SSO requirements as per the EPA Consent Decree, including line cleaning and televising the affected sewer mains (at SAWS direction) within 24 hours.

Should the Contractor fail to address an SSO immediately and to SAWS satisfaction, they will be responsible for all costs incurred by SAWS, including any fines from EPA. No separate measurement or payment shall be made for this work. All work shall be done according to guidelines set by the TCEQ and SAWS.
 - The Contractor shall provide bypass pumping of sewage around each segment of pipe to be replaced. In accordance with SAWS Standard Specification Item No. 865, "Bypass Pumping Small Diameter Sanitary Sewers" and Standard Specification Item No. 864-S2, "Bypass Pumping Large Diameter Sanitary Sewers" as applicable. Payment for such work will be made under the appropriate bid item associated with Sanitary Sewer Bypass Pumping in accordance with SAWS Standard Specifications 865 and 864-S2.
 - Prior to tie-ins, any shutdowns of existing force mains of any size must be coordinated with the SAWS Construction Inspection Division at 210-233-3500 and/or SAWS Production groups at least two weeks or more in advance of the shutdown. The Contractor must also provide a sequence of work as related to the tie-ins; this is at no additional cost to SAWS or the project and it is the responsibility of the Contractor to sequence the work accordingly.
 - ELEVATIONS POSTED FOR TOP OF MANHOLES ARE FOR REFERENCE ONLY: It shall be the responsibility of the Contractor to make allowances and adjustments for top of manholes to match the finished grade of the project's improvements (NSPI).
 - MANHOLE REMOVAL: Where existing manholes are to be replaced by the contractor, the existing manholes shall be removed. (NSPI)
 - SMART MANHOLE COVERS: The Contractor shall notify SAWS EOC at 210-704-SAWS (210-233-7297) and either America Espinoza at 210-233-2934 or Jose A. Martinez at 210-233-3071 a minimum of 72 hours, not counting weekends or SAWS holidays, before working on the pipe or manhole. In order to have SAWS remove the Smart Cover. Any damage done to the Smart Cover will be charged to the Contractor through a change order.
 - FLOW METERS IN MANHOLES: The Contractor shall notify Bobby Johnson at 210-233-3493 or Abel Borunda at 210-233-3704 a minimum of 72 hours, not counting weekends or SAWS holidays, before working on the pipe or manhole. In order to have SAWS remove the Flow Meter in the manhole. Any damage done to the Flow Meter will be charged to the Contractor through a change order.
- CPS ENERGY NOTES:
- Due to federal regulations Title 49, Part 192, 181, CPS must maintain access to gas valves at all times, the contractor must protect and work around any gas valves that are in the project area.
 - The contractor will be responsible for protecting CPS overhead and underground electric facilities of adjacent to work area.

CITY OF SAN ANTONIO NOTES:

- All limits for curb, sidewalk, and tree prep beyond what is considered incidental to normal utility construction will be addressed by the SAWS Inspector. All communication from the City will be coordinated through the SAWS Inspector. SAWS Inspector will also determine if additional compensation is warranted if limits exceed incidentals.
- Prior to construction, the contractor shall obtain all required storm water permits, fees, and approvals. no construction or fabrication shall begin until the contractor has received and thoroughly reviewed all permits required for construction in drainage easements, right of ways, and floodplains. SAWS to obtain FPDP.
- The contractor shall notify storm water engineering at least 24 hours prior to the installation of any drainage facility W within a drainage easement or street right of way not indicated on the construction plans.
- The contractor is responsible for protecting existing drainage facilities from damage, any damage to existing drainage systems, whether or not shown on the plans, shall be the responsibility of the contractor to repair at his expense. The contractor shall notify Storm Water Engineering at 210-206-8433 as soon as conflicts with utilities are encountered or any drainage system is damaged during construction.
- Construction spoils will not be allowed to be deposited anywhere within a drainage easement, right of way, or floodplain within the limits of the project and shall be disposed offsite in compliance with current applicable regulations.
- No structure, fences, walls, landscaping, or other obstructions that impede drainage shall be placed within the limits of the project and shall be disposed offsite in compliance with current applicable regulations.
- Upon completion of trenching, the area will be backfilled and compacted to its original condition, trenches/bore pits to be open and unattended longer than 24 hours shall be protected to withstand all hydrodynamic and hydrostatic forces and prevent downstream impacts. Trenches/bore pits to be open longer than 30 days after starting excavation shall be backfilled with a semi permanent repair backfill.

- Improved sections of earthen channels and/or waterways will be vegetated by seeding or sodding, eighty-five percent of the channel surface area must have established vegetation before the City of San Antonio will accept the channel for maintenance.

INSTALLATION NOTES:

- It is the contractor's responsibility to coordinate and acquire their own staging area, including parking area, to accommodate construction personnel vehicle parking (NSPI).
- After installation is completed, the contractor shall televise and video record the installed sewer mains in accordance with Item no. 866 "Sewer Main Televising Inspection" to document satisfactory completion of work to the Engineer and Owner.
- Contractor shall support and protect existing utilities during construction of sanitary sewer lines and manholes. (NSPI)
- Contractor must field verify all depths, distances, pipe sizes, grades and service laterals before start of construction (NSPI)
- Contractor to verify pipe size diameters prior to ordering cipp liner.

BYPASS PUMPING NOTES

- Contractor shall submit by-pass and phasing plan to SAWS for review and approval prior to commencing of the construction.
- Sewer work and clean up shall be in accordance with the guideline set forth by TCEQ and SAWS. Contractor shall identify and train personnel responsible for spillage prevention and control, contractor shall also document and educate employees in advance of wake about the work environment including what to do when there are sewer leaks and how to work safely around raw sewage.
- In situations where bypass line is to be placed through a culvert or within the 100 Year Floodplain, the contractor shall be responsible to secure and support the bypass line during construction.
- Contractor shall coordinate with the City of San Antonio Right of Way management division and TxDOT to identify and obtain all necessary permits.
- Contractor to acquire staging location and provide locations to SAWS prior to commencing of construction.

TCEQ BYPASS PUMPING REQUIREMENTS

- The use of a secondary containment liner for pumps and fuel storage for bypass pumping operations within environmentally sensitive areas (Edwards Aquifer Recharge Zone (EARZ) locations) is required. Liner shall be of polypropylene composite and consist of three barrier films sandwiched by double layers of needle punched geotextile with heat fused surfaces. The liner shall be a minimum of 100 mil thick. The intent of the liner is to absorb leaks, drips, and spills on contact and barrier film shall keep all spills from reaching the ground. There shall be no separate payment for this liner and it shall be considered inclusive to the other bid items on this contract.
- Issuance of notice of intent to commence rehabilitation, provided to TCEQ San Antonio Regional Office, no later than 48 hours prior to commencement of activities on site. (See 213.5 (f) for details)
- If any sensitive features are discovered, all regulated activities must be suspended and SAWS must be immediately notified.
- Issuance of notice of termination of rehabilitation, provided to TCEQ San Antonio Regional Office.

NOTES:

- Trench excavation safety protection shall be accomplished as required by the most recent provisions of Part 1926, Subpart P-excavations, trenching and shoring of the OSHA standards and interpretations, as may be amended.
- Maintain minimum vertical clearance of 2 ft where sewer main crosses existing and proposed utilities, unless otherwise shown on plans. Provide temporary support of existing utility as required. When sewer main parallels water main, maintain minimum 4 ft horizontal clearance.
- Separation distance between parallel water main and sewer mains are in accordance with saws variances to sections of TCEQ rules.
- Flowable fill to follow TxDOT trench backfill with paved surface details.
- All tree work shall be performed by an ISA certified arborist.
- Tree pruning, protection, or trimming shall be completed to comply with the City of San Antonio.

- Contractors shall indicate to the City of San Antonio DSD proposed limits of clearance with trees during pre-construction meeting and with project submittals.
- Contractor shall maintain flows in existing sewer main.
- Contractor shall remove and replace pavement, driveways, sidewalks, curb, fences, landscaping, irrigation systems and other surface features damaged by construction activities to pre-existing conditions or new material, surface restoration shall be incidental to sanitary sewer laterals (NSPI)
- Contractor to field verify for capped sanitary sewer laterals and connect active service.
- Contractor to protect, support, maintain, and coordinate in advance with SAWS operations as needed to shut off the water main during construction, contractor shall be responsible for repair of water main if damaged during construction at no additional cost to SAWS.

- During construction, the driveway will continue to be usable with a rolled asphaltic base over the driveway cut, the contractor will maintain the temporary driveway for owner's use.
- Asphalt pavement restoration will follow permanent asphalt trench repair detail on miscellaneous details sheet.
- Contractor is responsible for locating a nearby fire hydrant as a source of water for dpp operation. In case that a fire hydrant is not near the area, the contractor is responsible for supplying water to complete the task at no additional cost to SAWS.
- Contractor is responsible to provide lighting if work is required to be performed at night when traffic is minimal. Lighting for after hours construction is to be supplied by the contractor at no additional cost to saws.
- Contractor is to assure that all materials needed to complete the construction are on hand in order to minimize unnecessary work stoppage for extended periods of time.

SERVICE LATERALS:

- The exact location and elevation of the service laterals and manholes shall be field verified by the contractor. (NSPI)
- The contractor shall be responsible for disconnecting each existing service line from the existing main and reconnecting the service to the new service main, the contractor shall be responsible for maintaining continuous service. (NSPI)

ITEM	DESCRIPTION	UNIT	QUANT.
104	Removing Conc (TxDOT Spec)	SY	127
104	Removing Conc (Riprap) (TxDOT Spec)	SY	12
203.1	Tack Coat (CoSA Spec)	GA	40
205.4	HMAC Pavement, Type D (2' Compacted Depth) (CoSA Spec)	SY	390
206.1	HMAC, Type B (10' Compacted Depth) (CoSA Spec)	SY	84
208.1	Salv. Haul & StpklRd Asp Pmnt (2' Depth) (CoSA Spec)	SY	300
299	Flowable Fill	CY	160
432	Riprap (Conc) (6") (TxDOT Spec)	SY	12
506.1	Construction Exit (Install) (TxDOT)	SY	770
506.2	Construction Exit (Remove) (TxDOT)	SY	770
SP507.1	Remove and Replace Fence (CoSA Spec)	LF	100
515.1	Top Soil (4") (CoSA Spec)	CY	10
516.2	St. Augustine Sodding (CoSA Spec)	SY	150
520.1	Hydromulching (CoSA Spec)	SY	3,580
530	Intersection, Driveways, and Turnouts (TxDOT)	SY	113
530.1	Barricades, Signs, and Traffic Handling (Site 1 - Blanco Rd & Bitters Rd)	EA	1
530.1	Barricades, Signs, and Traffic Handling (Site 2 - Wurzbach Rd & Whisper Bow St)	EA	1
530.1	Barricades, Signs, and Traffic Handling (Site 3 - Wurzbach Pkwy & Weidner Rd)	EA	1
530.1	Barricades, Signs, and Traffic Handling (Site 4 - Guilbeau Rd & French Creek)	EA	1
530.1	Barricades, Signs, and Traffic Handling (Site 5 - Binz-Engleman & Rosillo Crk)	EA	1
530.1	Barricades, Signs, and Traffic Handling (Site 6 - LP 13 & Republic Golf Course)	EA	1
530.1	Barricades, Signs, and Traffic Handling (Site 7 - Creekside Dr)	EA	1
531	Conc Sidewalks (4") (TxDOT Spec)	SY	14
801	Tree Protection (COESA Spec)	LS	1
851	Adjusting Existing Manholes	EA	3
853	Fiberglass Reinforced Plastic Manholes (Tee Base) (72" Pipe) (6' Dia.)	EA	1
855	Reconstruction of Existing Manholes	EA	14
864	Bypass Pumping (Large Diameter Sanitary Sewers) (Site 1 - Blanco Rd & Bitters Rd)	LS	1
865	Bypass Pumping (Small Diameter Sanitary Sewers) (Site 1 - Blanco Rd & Bitters Rd)	LS	1
864	Bypass Pumping (Large Diameter Sanitary Sewers) (Site 2 - Wurzbach Rd & Whisper Bow St)	LS	1
865	Bypass Pumping (Small Diameter Sanitary Sewers) (Site 2 - Wurzbach Rd & Whisper Bow St)	LS	1
864	Bypass Pumping (Large Diameter Sanitary Sewers) (Site 3 - Wurzbach Pkwy & Weidner Rd)	LS	1
864	Bypass Pumping (Large Diameter Sanitary Sewers) (Site 4 - Guilbeau Rd & French Creek)	LS	1
865	Bypass Pumping (Small Diameter Sanitary Sewers) (Site 4 - Guilbeau Rd & French Creek)	LS	1
864	Bypass Pumping (Large Diameter Sanitary Sewers) (Site 5 - Binz-Engleman & Rosillo Crk)	LS	1
865	Bypass Pumping (Small Diameter Sanitary Sewers) (Site 5 - Binz-Engleman & Rosillo Crk)	LS	1
864	Bypass Pumping (Large Diameter Sanitary Sewers) (Site 6 - LP 13 & Republic Golf Course)	LS	1
865	Bypass Pumping (Small Diameter Sanitary Sewers) (Site 6 - LP 13 & Republic Golf Course)	LS	1
865	Bypass Pumping (Small Diameter Sanitary Sewers) (Site 7 - Creekside Dr)	LS	1
866	Sewer Main Pre-Television Inspection (8" - 15" Dia.)	LF	320
866	Sewer Main Pre-Television Inspection (18" - 24" Dia.)	LF	2,769
866	Sewer Main Pre-Television Inspection (27" - Larger Dia.)	LF	4,049
901.1	Install CIPP Sanitary Sewer Pipe (8") (Hot Water) (All Depths)	LF	320
901.1	Install CIPP Sanitary Sewer Pipe (24") (Hot Water) (All Depths)	LF	2,769
901.1	Install CIPP Sanitary Sewer Pipe (30") (Hot Water) (All Depths)	LF	1,067
901.1	Install CIPP Sanitary Sewer Pipe (72") (Hot Water) (All Depths)	LF	2,982
910	Manhole Rehabilitation	VF	41
1020	Main Break/Leak Repair (36" Recycle Water)	EA	1
1103	Point Repairs (8" Dia.) (All Depths)	EA	1
1103	Point Repairs (24" Dia.) (All Depths)	EA	4
1103	Point Repairs (30" Dia.) (All Depths)	EA	2
1103	Point Repairs (72" Dia.) (All Depths)	EA	1
1103	Extra Length Point Repairs (8" Dia.) (All Depths)	LF	10
1103	Extra Length Point Repairs (24" Dia.) (All Depths)	LF	80
1103	Extra Length Point Repairs (30" Dia.) (All Depths)	LF	20
1103	Extra Length Point Repairs (72" Dia.) (All Depths)	LF	20
1103	Obstruction Removal by Remote Control (24" Dia.) (Manhole to Manhole)	EA	7
1103	Obstruction Removal by Remote Control (30" Dia.) (Manhole to Manhole)	EA	2
1103	Obstruction Removal by Remote Control (72" Dia.) (Manhole to Manhole)	EA	1
1109	Service Reconnection, All Depths (by Remote Control)	EA	43
C50(2)	Temporary Chain Link Fence (CoSA Spec)	LF	722
SS 6001	Portable Changeable Message Sign (TxDOT Spec)	EA	10
SC-14	RailPros Service Allowance	ALW	1
100	Mobilization and Demobilization (Site 1 - Blanco Rd & Bitters Rd)	LS	1
100	Mobilization and Demobilization (Site 2 - Wurzbach Rd & Whisper Bow St)	LS	1
100	Mobilization and Demobilization (Site 3 - Wurzbach Pkwy & Weidner Rd)	LS	1
100	Mobilization and Demobilization (Site 4 - Guilbeau Rd & French Creek)	LS	1
100	Mobilization and Demobilization (Site 5 - Binz-Engleman & Rosillo Crk)	LS	1
100	Mobilization and Demobilization (Site 6 - LP 13 & Republic Golf Course)	LS	1
100	Mobilization and Demobilization (Site 7 - Creekside Dr)	LS	1
101	Preparation of Right-of-Way (Site 1 - Blanco Rd & Bitters Rd)	LS	1
101	Preparation of Right-of-Way (Site 2 - Wurzbach Rd & Whisper Bow St)	LS	1
101	Preparation of Right-of-Way (Site 3 - Wurzbach Pkwy & Weidner Rd)	LS	1
101	Preparation of Right-of-Way (Site 4 - Guilbeau Rd & French Creek)	LS	1
101	Preparation of Right-of-Way (Site 5 - Binz-Engleman & Rosillo Crk)	LS	1
101	Preparation of Right-of-Way (Site 6 - LP 13 & Republic Golf Course)	LS	1
101	Preparation of Right-of-Way (Site 7 - Creekside Dr)	LS	1
102.1	Intermediate Demobilization and Remobilization	EA	1

No.	DATE	DESCRIPTION	BY
1	6-30-2023	ADDENDUM #3	C.B.
2	7-17-2023	ADDENDUM #5	C.B.

BAIN MEDINA BAIN, INC.
ENGINEERS & SURVEYORS
78PE R-001712
7073 San Pedro, San Antonio, Texas, 78216
Phone: 210-494-7223 Fax: 210-490-5120 WWW.BMBL.COM

2021 CMOM PACKAGE 4 - CIPP
GENERAL NOTES & QUANTITIES

San Antonio Water System

DEVELOPER: _____
CONT. _____ BUDGET PROJ. _____

SUBMITTED _____
APPROVED _____

MAP No. _____ SHEET _____
SECT. No. _____ 100% SUBMITTAL _____
DR. MC CK. CC/CB JOB No. 22-4530 OF 99

PRELIMINARY
FOR REVIEW ONLY
Not for construction,
bidding or permit purposes.

BAIN MEDINA BAIN, INC.
Engineer: **CARL BAIN, PE** 7/17/2023
P.E. No. 56996 Date

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